CHAMP COOPER ELEMENTARY SCHOOL

10 CLASSROOM ADDITION WITH SITEWORK

TPSS PROJECT No. 2024-003-200

TANGIPAHOA PARISH SCHOOL SYSTEM
EST. 1896

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

G100

TITLE SHEET

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1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

GENERAL NOTES

1. VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS. VERIFY ALL CONDITIONS THAT RELATE TO THE EXECUTION OF THE WORK.
2. NOTIFY ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS THAT AFFECT COMPLETION OF THE WORK.
3. DIVISION OF DRAWINGS AND SPECIFICATIONS INTO DISCIPLINES DO NOT LIMIT SCOPE OR INTENT OF ANY PART. WORK IS TO BE CONSTRUCTED AS A COMPLETE INTEGRATED AND UNIFIED WHOLE.
4. THE DOCUMENTS ARE COMPLIMENTARY; ITEMS SHOWN IN ONE OR MULTIPLE LOCATIONS SHALL BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. SEEK CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING IN THE EVENT OF INCONSISTENCIES WITHIN THE DOCUMENTS. WHERE INCONSISTENCIES ARE NOT CLARIFIED INCLUDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK IN THE BID PROPOSAL. THE WORK INCLUDES LABOR AND MATERIALS NECESSARY FOR A COMPLETE PROJECT AS DESCRIBED OR INFERRED IN THE DOCUMENTS.
5. THE CONTRACT DOCUMENTS INCLUDE THE AGREEMENT, DRAWINGS, PROJECT MANUAL, ADDENDA, AMENDMENTS, FIELD ORDERS, AND CHANGE ORDERS.
6. DRAWING SCALES CHANGE WITH PRINTED SHEET SIZE. NOTE THE GRAPHIC SCALE IN THE LOWER LEFT CORNER OF EACH ARCHITECTURAL SHEET. NOT ALL DRAWINGS ARE GUARANTEED TO BE EXACTLY TO SCALE; CONSULT ARCHITECT SHOULD QUESTIONS ARISE.
7. DOCUMENTS DO NOT SHOW THE EXACT QUANTITIES OF MATERIALS.
8. THE DRAWINGS REPRESENT GENERAL LOCATIONS OF IMPROVEMENTS. LOCATE ALL IMPROVEMENTS ON SITE PRIOR TO ALTERATION, ADDITIONS, OR TIE-INS.
9. PROTECT THE SITE AND PROPERTY. MAINTAIN ALL AREAS FREE OF TRASH AND DEBRIS; REMOVE COLLECTED WASTE WEEKLY. VERIFY LOCATION OF DUMPSTER WITH ARCHITECT. AFTER PROJECT COMPLETION, RESTORE DUMPSTER AREA TO PRE-CONSTRUCTION CONDITION UNLESS NOTED OTHERWISE.
10. STORE MATERIALS IN STAGING AREA, WHICH SHALL BE DETERMINED AND APPROVED BY THE OWNER AT THE PRE-BID MEETING. AFTER COMPLETION, RESTORE STAGING AREA TO ORIGINAL CONDITION UNLESS NOTED OTHERWISE. RESTORE PORTIONS OF THE SITE AFFECTED BY THE WORK TO ORIGINAL CONDITION.
11. MINIMIZE TRAFFIC DISRUPTION IN THE VICINITY OF THE SITE. REGULAR WORKING HOURS SHALL BE FROM 7:00 AM TO 5:00 PM UNLESS NOTED OR APPROVED OTHERWISE.
12. PROVIDE TEMPORARY ENCLOSURES AND SITE FENCING WHERE INDICATED, OR WHERE NOT INDICATED, IN LOCATIONS APPROVED BY THE ARCHITECT AT THE PRE-CONSTRUCTION CONFERENCE. KEEP ALL BUILDING EXITS ACCESSIBLE.
13. OBTAIN AND PAY FOR PERMITS AND CONNECTION FEES; PROVIDE FINAL INSPECTION CERTIFICATES AND OCCUPANCY PERMITS UPON COMPLETION."
14. NOTIFY THE ARCHITECT OF ANY DISCOVERED DISCREPANCIES BETWEEN THE WORK AND APPLICABLE CODES AND STANDARDS.
15. UNLESS NOTED OTHERWISE, ALL MATERIALS SHALL BE NEW. INSTALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, IN PROPER RELATION WITH EACH OTHER AND WITH ADJACENT CONSTRUCTION.
16. ANTICIPATE AND MAKE ARRANGEMENTS WITH LOCAL GOVERNMENT AGENCIES SHOULD ENTRY ONTO, OR OBSTRUCTION OF, A PUBLIC WAY BE NECESSARY IN CONNECTION WITH THE WORK.
17. THE OWNER'S SURVEYOR HAS PROVIDED SURVEY INFORMATION INCLUDED IN THIS SET. ARCHITECT IS NOT RESPONSIBLE FOR THIS INFORMATION.
18. PROVIDE SITE DEMOLITION/UTILITY RELOCATIONS AS NECESSARY FOR COMPLETION OF THE PROJECT. VERIFY EXISTING UTILITIES AND EXACT LOCATIONS PRIOR TO PERFORMING WORK. NOTIFY THE ARCHITECT REGARDING EXISTING SITE CONDITIONS IN CONFLICT WITH THE DOCUMENTS.
19. MAINTAIN INTERIOR MOISTURE LEVELS WITHIN THE RECOMMENDATIONS OF THE MANUFACTURERS OF PRODUCTS TO BE INSTALLED. NOTIFY ARCHITECT SHOULD THIS NOT BE POSSIBLE.
20. EQUIPMENT AND DEVICE LOCATIONS ARE SHOWN ON THE DRAWINGS. CONFIRM DISCREPANCIES AND QUESTIONS WITH THE ARCHITECT.
21. EXERCISE CARE TO AVOID DAMAGE TO EXISTING WORK, ADJACENT SURFACES, AND ADJOINING AREAS INCLUDING AREAS TO REMAIN AS A PART OF THE COMPLETED CONSTRUCTION. REPAIR OR RESTORE AREAS OR SURFACES DAMAGED OR REMOVED ON ACCOUNT OF CONSTRUCTION WORK
22. PROVIDE AND INSTALL ALL ITEMS UNLESS NOTED OTHERWISE.
23. WORK INDICATED AS "NOT IN CONTRACT", "N.I.C", OR "BY OTHERS" SHALL BE PERFORMED BY OWNER'S SEPARATE CONTRACTORS. ASSIST IN COORDINATING THE WORK BY SEPARATE CONTRACTORS WITH THE WORK OF THIS CONTRACT.
24. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, FACE OF SLAB, OR CENTERLINE OF COLUMN.
25. AS A PRE-CONDITION TO SUBSTANTIAL COMPLETION, PROVIDE A SURVEY CONTAINING FLOOR, MECHANICAL EQUIPMENT, ELECTRICAL PANELS, EQUIPMENT AND DEVICE ELEVATIONS CONFIRMING THAT THEY ARE LOCATED ABOVE DESIGN FLOOD ELEVATION.
26. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL LOCATIONS OF CONSTRUCTION.
27. COORDINATE ROOFTOP EQUIPMENT AND PENETRATIONS WITH MECHANICAL AND ELECTRICAL DRAWINGS. FLASH ALL PENETRATIONS IN ACCORDANCE WITH THE ROOFING MANUFACTURER'S RECOMMENDATIONS. PROVIDE POSITIVE DRAINAGE ON HIGH-SIDE OF PENETRATIONS.
28. PROVIDE MIN. 3-FT. WIDE WALKBOARDS AROUND ALL ATTIC EQUIPMENT NEEDING REGULAR MAINTENANCE. PROVIDE MIN. 3-FT. WIDE WALKBOARD PATHWAYS FROM ATTIC ACCESS POINT TO ALL SUCH ATTIC EQUIPMENT.
29. ALL WORK IS TO HAVE A ONE YEAR WARRANTY, MINIMUM.
30. NAMING A CERTAIN BRAND OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER, AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.
31. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY APPARATUS, MEANS, METHODS, AND TECHNIQUES, AS REQUIRED TO ENSURE THE HEALTH, SAFETY, AND WELFARE OF ALL PERSONNEL INCLUDING, BUT NOT LIMITED TO: STAFF, FACULTY, STUDENTS, AND THE GENERAL PUBLIC, IN AND AROUND THE SITE.
32. INTERIOR WALLS AND CEILING SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
33. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED BY APPROVED FIRESTOP SYSTEMS OR DEVICES TESTED IN ACCORDANCE WITH ASTM E-814 OR ANSI/UL 1479.
34. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0- 25 AND A SMOKE DEVELOPMENT FACTOR OF 0-450.
35. DEMOLITION SHALL BE PERFORMED IN AN ORDERLY SEQUENCE, SCHEDULED BY THE CONTRACTOR AND COORDINATED WITH THE OWNER. SHOULD HAZARDOUS MATERIALS, OR MATERIALS SUSPECTED TO BE HAZARDOUS BE ENCOUNTERED, THE CONTRACTOR SHALL NOT PROCEED AND IMMEDIATELY CALL TO THE ATTENTION OF THE OWNER. ALL HAZARDOUS WASTE SHALL BE CONTAINED, ABATED, REMOVED, AND DISPOSED OF IN ACCORDANCE WITH FEDERAL REGULATIONS, LA.D.E.Q. AND THE OWNER'S ASBESTOS MANAGEMENT PLAN.
36. SHALL ROOF MODIFICATIONS BE REQUIRED, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ACCESSORIES AS REQUIRED BY ROOFING MANUFACTURER TO PROVIDE A COMPLETE ROOF CERTIFIABLE BY THE MANUFACTURER.

SYMBOLS

NOTE: ALL OF THE SYMBOLS AND ABBREVIATIONS APPEARING ON THIS SHEET MAY NOT NECESSARILY BE USED ON THIS PROJECT. FOR ADDITIONS TO AND/OR DEVIATIONS FROM THESE STANDARDS, REFER TO THE APPLICABLE DISCIPLINE'S WORK THROUGHOUT THE SET OF DRAWINGS.

- 0.000 — NEW ELEVATION
- 0.000 — EXISTING ELEVATION
- A — COLUMN MARK
- 100' - 0" — LEVEL LINE, CONTROL POINT OR DATUM
- BREAK LINE
- 101a — ROOM NUMBER
- CENTERLINE
- FEC — FIRE CABINET AND EXTINGUISHER
- 1 — REVISION NOTE (CLOUDED AREA DENOTES REVISIONS OCCUR IN THIS AREA)
- A — WINDOW TAG
- A01 — MISCELLANEOUS TAG
- 101a — DOOR TAG
- 0000 — KEYNOTE

DRAWING NUMBER / SHEET NUMBER

- 1 / A501 — BUILDING SECTION
- 1 / A701 — DETAIL SECTION
- 1 / A401 — ELEVATION
- 1 / A801 / 2 — INTERIOR ELEVATION
- 1/A801 — INTERIOR ELEVATION
- 0A0 — WALL TYPE
- 1/A011 — PHOTO TAG

PROJECT INFORMATION

PROJECT DESCRIPTION:	A 1-STORY CLASSROOM BUILDING.
PROJECT ADDRESS:	42530 LA HWY 445, PONCHATOULA, LA 70455
HISTORIC DISTRICT:	N/A
PLANNING DISTRICT:	N/A
EXISTING ZONING:	N/A
FEMA FLOOD ZONE:	X
EXISTING USE:	EDUCATION
PROPOSED USE:	EDUCATION

ABBREVIATIONS

#	NUMBER
@	AT
AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APC	ACOUSTICAL PANEL CEILING
BD	BOARD
BFE	BASE FLOOD ELEVATION
BLDG	BUILDING
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
CT	CERAMIC TILE
DF	DRINKING FOUNTAIN
DFE	DESIGN FLOOD ELEVATION
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EOS	EDGE OF SLAB
EQ	EQUAL
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FDRM	FLOOD DAMAGE RESISTANT MATERIAL
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FOF	FACE OF FINISH
FOS	FACE OF STUD
FRP	FIBER REINFORCED PLASTIC
FT	FOOT OR FEET
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP	GYPSUM
GYP BD	GYPSUM BOARD
HC	HANDICAPPED
HDWR	HARDWARE
HM	HOLLOW METAL
HVAC	HEATING, VENTILATION & AIR CONDITIONING
IN	INCHES
INCL	INCLUDED
INFO	INFORMATION
INT	INTERIOR
J-BOX	JUNCTION BOX
JNT	JOINT
KDAT	KILN-DRIED AFTER TREATMENT
LS	LIFE SAFETY
LVT	LUXURY VINYL TILE
MANUF	MANUFACTURER
MAX	MAXIMUM
MB	MARKER BOARD
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, & PLUMBING
MIN	MINIMUM
MOD BIT	MODIFIED BITUMEN
MTL	METAL
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OF/CI	OWNER-FURNISHED/ CONTRACTOR INSTALLED
OH	OPPOSITE HAND
OPP	OPPOSITE
OVHD	OVERHEAD
PERF	PERFORATED
PERM	PERMEABLE
PLAM	PLASTIC LAMINATE
PLWD	PLYWOOD
PT	PRESSURE TREATED
PTD	PAINTED
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE	REFER
REQ'D	REQUIRED
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
SB	SMART BOARD
SCW	SOLID CORE WOOD
SIM	SIMILAR
SPEC	SPECIFIED OR SPECIFICATION
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
SQ	SQUARE
T&G	TONGUE & GROOVE
TB	TACK BOARD
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPORARY
T.O.	TOP OF
TOS	TOP OF STEEL
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITE TILE
VIF	VERIFY IN FIELD
VPAB	VAPOR PERMEABLE AIR BARRIER
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WD	WOOD
WH	WATER HEATER
WWF	WELDED WIRE FABRIC

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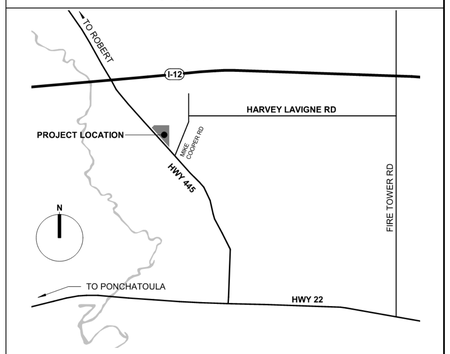
E600 ELECTRICAL DETAILS
E601 ELECTRICAL DETAILS
E602 ELECTRICAL DETAILS

VICINITY MAP



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BID DOCUMENTS

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GENERAL INFORMATION

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1" 1/2" 0"

The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

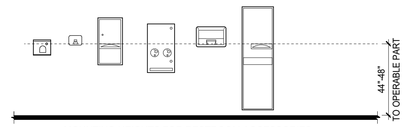
1 NOT USED

6 NOT USED

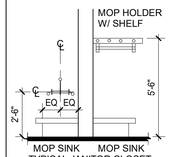
11 NOT USED

16 NOT USED

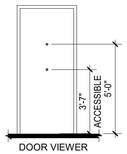
TYPICAL MOUNTING HEIGHTS



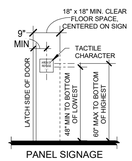
MOUNTING HEIGHTS FOR RESTROOM ACCESSORIES WITH OPERABLE PARTS



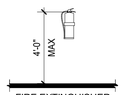
MOP SINK TYPICAL JANITOR CLOSET



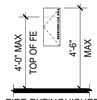
DOOR VIEWER



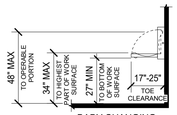
PANEL SIGNAGE



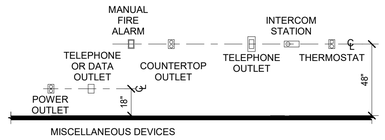
FIRE EXTINGUISHER



FIRE EXTINGUISHER CABINET



BABY CHANGING STATION

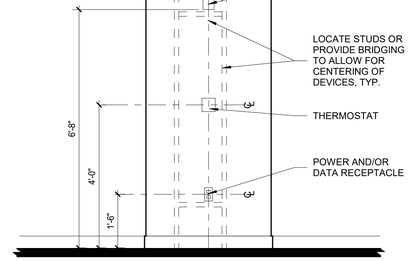


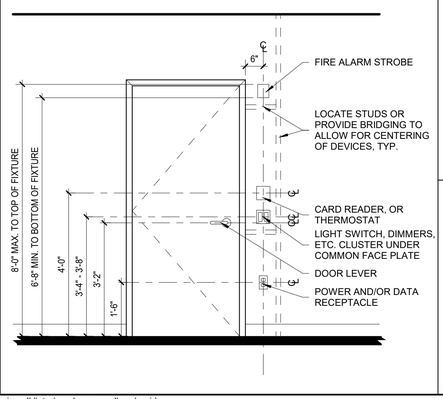
MISCELLANEOUS DEVICES

NOTE:

- ALL ITEMS INDICATED ABOVE THAT ARE TO BE RECESS MOUNTED SHALL BE VERIFIED AGAINST STUD DEPTH / CAVITY SO AS TO ENSURE PROPER FIT. RATED ASSEMBLIES ARE TO BE MAINTAINED FOR ALL RECESSED COMPONENTS WHERE INSTALLED IN FIRE RATED PARTITION.
- ALL LIFE SAFETY, ELECTRICAL AND DATA DEVICES AND COVER PLATES SHALL BE **WHITE**, UNLESS NOTED OTHERWISE.

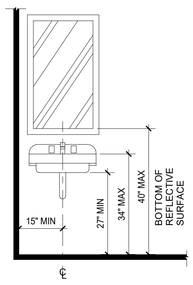
TYPICAL DEVICE LOCATIONS

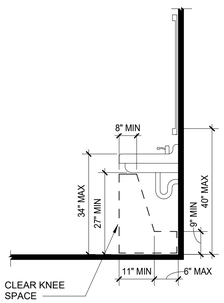




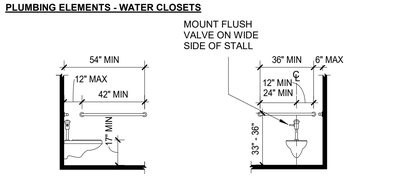
ACCESSIBILITY REQUIREMENTS

PLUMBING ELEMENTS - LAVATORIES

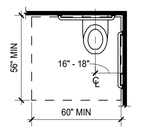




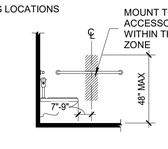
PLUMBING ELEMENTS - WATER CLOSETS



GRAB BAR MOUNTING LOCATIONS



WATER CLOSET LOCATION AND SIZE

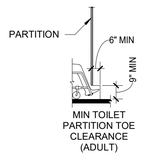


TOILET ACCESSORY MOUNTING ZONE

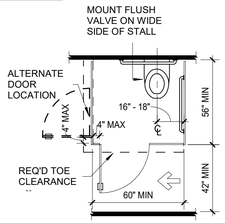
PROTRUDING OBJECTS MOUNTED NEAR GRAB BARS

NOTE: PROVIDE CLEARANCE ABOVE / BELOW GRAB BAR. VERIFY WITH ARCHITECT SHOULD CONFLICT EXIST.

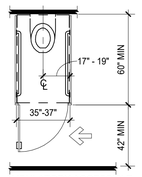
PLUMBING ELEMENTS - TOILET COMPARTMENTS



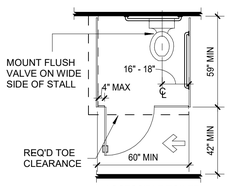
MIN TOILET PARTITION TOE CLEARANCE (ADULT)



ACCESSIBLE TOILET COMPARTMENT WALL HUNG

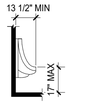


AMBULATORY ACCESSIBLE TOILET COMPARTMENT

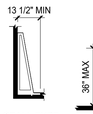


ACCESSIBLE TOILET COMPARTMENT FLOOR MOUNTED

PLUMBING ELEMENTS - URINALS

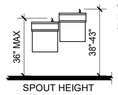


WALL HANG TYPE

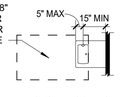


STALL TYPE

PLUMBING ELEMENTS - DRINKING FOUNTAINS



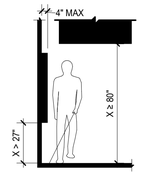
SPOUT HEIGHT



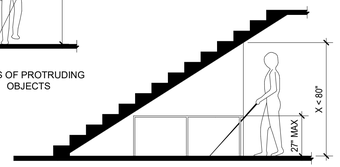
SPOUT LOCATION

ACCESSIBILITY REQUIREMENTS

VERTICAL CLEARANCES / PROTRUDING OBJECTS



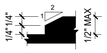
LIMITS OF PROTRUDING OBJECTS



VERTICAL CLEARANCE

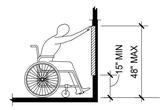
CHANGES IN LEVEL

VERTICAL

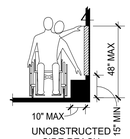


BEVELED

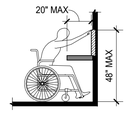
REACH RANGES



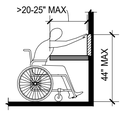
UNOBSTRUCTED FORWARD REACH



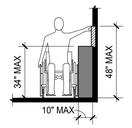
UNOBSTRUCTED SIDE REACH



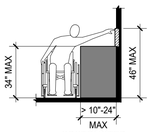
UNOBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED HIGH FORWARD REACH



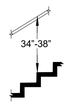
OBSTRUCTED HIGH SIDE REACH



OBSTRUCTED HIGH SIDE REACH

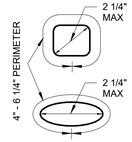
HANDRAILS

RAMPS & WALKING SURFACES



STAIRS

HANDRAIL CLEARANCE

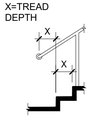


HANDRAIL NON-CIRCULAR CROSS SECTION

HANDRAIL EXTENSIONS

RAMPS

TOP OF STAIRS



BOTTOM OF STAIRS

ACCESSIBILITY REQUIREMENTS

UNLESS NOTED OTHERWISE IN THE DOCUMENTS, ALL ACCESSIBLE COMPONENTS OF THE PROJECT SHALL MEET THE MINIMUM REQUIREMENTS OUTLINED BELOW. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THESE REQUIREMENTS & THE ACTUAL FIELD CONDITIONS TO THE ARCHITECT

GENERAL NOTES

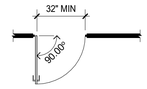
A. DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.

B. PROVIDE SOLID BLOCKING BEHIND ALL WALL-MOUNTED COMPONENTS.

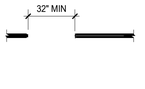
C. SEE THE PLANS FOR ALL ADDITIONAL TOILET ACCESSORIES AND ACTUAL ROOM DIMENSIONS.

D. ACCESSIBILITY DIAGRAMS ILLUSTRATED ARE STANDARD. ALL ITEMS SHOWN ON THIS SHEET MAY NOT BE PRESENT ON THIS PROJECT. IF AN ITEM IS PRESENT ON THIS PROJECT AND DOES NOT COMPLY WITH THESE STANDARDS, NOTIFY THE ARCHITECT BEFORE INSTALLATION OF ITEM.

CLEAR WIDTH OF DOORWAYS

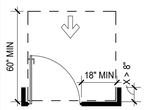


HINGED DOOR

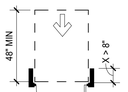


SLIDING DOOR

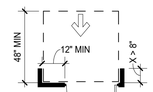
MANEUVERING CLEARANCES AT RECESSED DOORS AND GATES



PULL SIDE

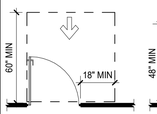


PUSH SIDE

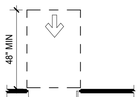


PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH

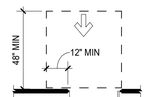
DOOR MANEUVERING CLEARANCES



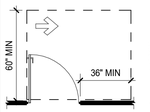
FRONT APPROACH, PULL SIDE



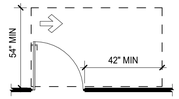
FRONT APPROACH, PUSH SIDE



FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



HINGE APPROACH, PULL SIDE



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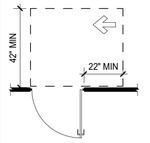
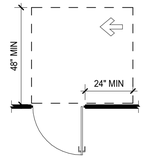
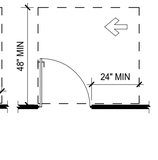


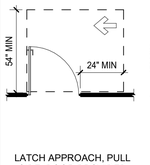
HINGE APPROACH, PUSH SIDE



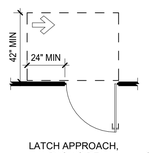
HINGE APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



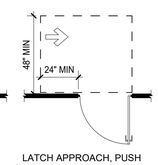
LATCH APPROACH, PULL SIDE



LATCH APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER



LATCH APPROACH, PUSH SIDE



LATCH APPROACH, PUSH SIDE, DOOR PROVIDED WITH CLOSER

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T 504.585.1315
LAFAYETTE
T 337.279.2010
www.hollyandsmith.com

CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

G102

ACCESSIBILITY GUIDELINES

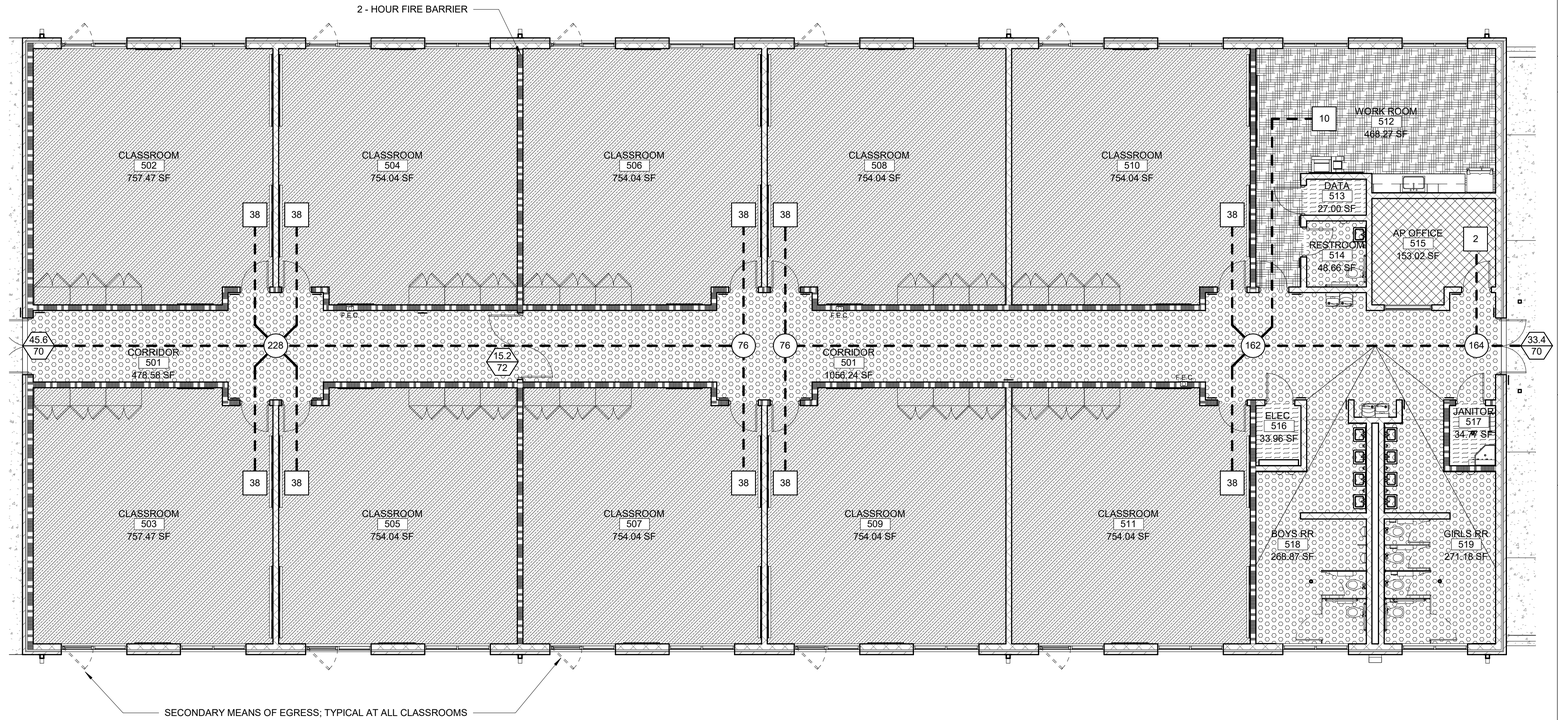
H/S

8/31/2026 1:50:25 PM

C:\Users\bailey\Documents\25006 - TPSS Champ Cooper 10 Classroom Addition_baileyRCWET.rvt

1" 0" 1" 2" 3" 4" 5" 6"

The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



11 EGRESS PLAN
1/8" = 1'-0"

EGRESS LEGEND

- 1 HR. FIRE RATED
- 2 HR. FIRE RATED
- 0 — OCCUPANT LOAD
- 0 — OCCUPANT ROUTE
- 0 / 0 — EXIT WIDTH REQUIRED / EXIT WIDTH PROVIDED
- 0 / 0 — STAIR WIDTH REQUIRED / STAIR WIDTH PROVIDED
- EXIT LIGHT FIXTURE (ARROWS INDICATE DIRECTIONAL INDICATORS IF PRESENT)
- FEC — FIRE EXTINGUISHER CABINET

OCCUPANCY LEGEND

- EDUCATIONAL (EDUCATIONAL CLASSROOM = 20 NET)
- WORKROOM = 50 NET
- BUSINESS (UNCONCENTRATED BUSINESS = 100 GROSS)
- ACCESSORY STORAGE, MECHANICAL (300 GROSS)
- MISCELLANEOUS NON-OCCUPIED SPACES

DETECTION, ALARM, & COMMUNICATION SYSTEM REQ.

FIRE ALARM

SYSTEM REQUIREMENTS:

REQUIRED (IBC SECT. 907.2, NFPA SECT. 14.3.4.1.1)

INITIATION:

AUTOMATIC DETECTION SYSTEM ACTIVATION OF FIRE ALARM CONTROL UNIT (IBC SECT. 907, NFPA SECT. 14.3.4.2.2)

MANUAL INITIATION NOT REQUIRED (IBC SECT. 907 EXCEPTION, NFPA SECT. 14.3.4.2.1) IF THE FOLLOWING IS MET:

1) THE BUILDING IS EQUIPPED WITH A APPROVED AUTOMATIC SPRINKLER SYSTEM.
2) EMERGENCY VOICE\ALARM COMM. SYSTEM WILL ACTIVATE ON SPRINKLER FLOW.
3) MANUAL ACTIVATION IS PROVIDED FROM A NORMALLY OCCUPIED LOCATION.

NOTIFICATION:

AUTOMATIC NOTIFICATION IS REQUIRED UTILIZING AN EMERGENCY VOICE\ALARM COMM. SYSTEM; THE COMM. SYSTEM MAY BE USED FOR OTHER EMERGENCY SIGNALING OR FOR CLASS CHANGES (IBC SECT. 907, NFPA SECT. 14.3.4.3)

POSITIVE ALARM SEQUENCE SHALL BE PERMITTED (IBC SECT. 907, NFPA SECT. 14.3.4.3)

EMERGENCY FORCES NOTIFICATION SHALL BE ACCOMPLISHED BY NFPA 101 9.6.4 (SYSTEM ALARM TRANSMITTED AUTOMATICALLY VIA REMOTE SUPERVISING STATION FIRE ALARM SYSTEM PER NFPA 72 (IBC SECT. 907, NFPA SECT. 9.6.4.2)

AUTOMATIC SPRINKLER SYSTEM

SYSTEM REQUIREMENTS:

NOT REQUIRED (IBC SECTION 903.2.3, NFPA 15.3.5)

GENERAL NOTES

1. THESE PLANS ARE PROVIDED FOR THE CONVENIENCE OF THE BUILDING OFFICIAL & FIRE MARSHAL. IT DOCUMENTS THE MAJOR LIFE SAFETY FEATURES OF THE PROJECT INCLUDING THE EXIT FLOW & FIRE SEPARATION. THIS PLAN IS TO BE FOLLOWED IN REGARDS TO LIFE SAFETY ISSUES BY THE GENERAL CONTRACTOR.
2. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF FIRE DAMPER REQUIREMENTS IN DUCTWORK. IN GENERAL, ALL DUCT WORK THROUGH RATED ASSEMBLIES WILL REQUIRE A DAMPER.
3. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF FIRE ALARM SYSTEM AND EXIT LIGHT LOCATIONS.
4. REFER TO PLUMBING DRAWINGS FOR FIRE SPRINKLER SYSTEM COMPONENT LOCATIONS AND SPRINKLER HEAD LAYOUT.
5. CONTRACTOR SHALL CONFIRM THAT ALL FIXTURES AND APPURTANANCES THAT PENETRATE A FIRE RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ARE COMPATIBLE WITH UL FIRE RATED CEILING DESIGNS WHEN INSTALLED IN ACCORDANCE WITH THE UL FIRE RESISTANCE DIRECTORY. IF THESE ITEMS ARE DEEMED NOT COMPATIBLE TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY AT THE PENETRATION, CONTRACTOR SHALL PROVIDE AND INSTALL ONE-HOUR FIRE RATED ENCLOSURES AT EACH PENETRATION LOCATION. FIRE RATED ENCLOSURES SHALL BE MANUFACTURED BY FIRE RATED PRODUCT SPECIALTIES, EZ BARRIER, TENMAT FIRE PROTECTION SOLUTIONS, OR EQUAL. THIS SHALL APPLY TO ALL LIGHTING FIXTURES, EXHAUST FANS, SPEAKERS, AND OTHER MISCELLANEOUS FIXTURES THAT MAY PENETRATE THE ASSEMBLY.
6. CONTRACTOR SHALL CONFIRM THAT ALL ELECTRICAL OUTLETS AND RECESSED PLUMBING BOXES (I.E. REFRIGERATOR ICEMAKER VALVE) THAT PENETRATE A FIRE RATED WALL ASSEMBLY ARE COMPATIBLE WITH UL FIRE RATED WALL DESIGNS WHEN INSTALLED IN ACCORDANCE WITH THE UL FIRE RESISTANCE DIRECTORY. IF THESE ITEMS ARE DEEMED NOT COMPATIBLE TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY AT THE PENETRATION, CONTRACTOR SHALL PROVIDE AND INSTALL ONE-HOUR FIRE RATED ENCLOSURES AT EACH PENETRATION LOCATION. ELECTRICAL OUTLET PROTECTION SHALL BE PUTTY PADS. RECESSED PLUMBING BOXES SHALL BE ONE-HOUR FIRE RATED ENCLOSURES MANUFACTURED BY FIRE RATED PRODUCT SPECIALTIES OR EQUAL.
7. ALL RECESSED MOUNTED FIRE EXTINGUISHER CABINETS SHALL BE FIRE RATED WHERE THEY PENETRATE A FIRE RATED ASSEMBLY.
8. FIRE SEALANT THAT IS VISIBLE AND EXPOSED TO THE FINISHED INTERIOR OF ROOMS SHALL BE INSTALLED AND TOOLED IN A NEAT, WORKMANLIKE, AND SMOOTH MANNER TO PRODUCE A CLEAN, AESTHETIC JOINT. COMPLETED JOINTS THAT DO NOT MEET THIS REQUIREMENT SHALL BE REWORKED OR REMOVED AND REINSTALLED PER ARCHITECT'S DIRECTION.
9. CONTRACTOR SHALL PROVIDE APPROPRIATELY SIZED ACCESS PANELS AT ALL PLUMBING ACCESS POINTS, HVAC DAMPERS, FIRE DAMPERS, ELECTRICAL ACCESS POINTS, AND AT ALL OTHER EQUIPMENT REQUIRING ACCESS INSIDE WALLS OR CEILINGS. FIRE RATED ACCESS PANELS SHALL BE REQUIRED AT FIRE RATED ASSEMBLIES. UNLESS OTHERWISE NOTED OR DIRECTED, ASSUME PROVISION OF 24" x 24" ACCESS PANEL FOR BIDDING PURPOSES AT EQUIPMENT REQUIRING ACCESS PER MECHANICAL, PLUMBING, OR ELECTRICAL DRAWINGS.

CODE DATA

PROJECT DESCRIPTION:

THIS PROJECT CONSIST OF A ONE STORY ADDITIONAL CLASSROOM BUILDING FOR CHAMP COOPER ELEMENTARY SCHOOL.

BUILDING SQUARE FOOTAGE:

11,450 SF

OCCUPANCY CLASSIFICATION:

PRIMARY OCCUPANCY: EDUCATIONAL GROUP E (IBC)
EDUCATIONAL (NFPA)

CONSTRUCTION TYPE:

TYPE III-B (IBC), TYPE III (000) (NFPA 101)

OCCUPANT LOAD

(IBC TAB. 1004.1, NFPA 101, TAB 7.3.1.2)

WORKROOM: 50 NET	
TOTAL SQUARE FOOTAGE	469 SF
TOTAL OCCUPANTS	**10 OCC**
ACCESSORY STORAGE	300 GROSS
TOTAL SQUARE FOOTAGE	96 SF
TOTAL OCCUPANTS	**3 OCC**
BUSINESS AREAS GROSS	100 GROSS
TOTAL SQUARE FOOTAGE	153 SF
TOTAL OCCUPANTS	**2 OCC**
EDUCATIONAL, CLASSROOM AREA	20 NET
TOTAL SQUARE FOOTAGE	7,575 SF
TOTAL OCCUPANTS	**380 OCC**
TOTAL OCCUPANT LOAD (BUILDING)	**395 OCC**

EGRESS REQUIREMENTS

MINIMUM CORRIDOR WIDTH ALLOWANCE:
44" WIDE MINIMUM (IBC TABLE 1020.3)
36" WIDE MINIMUM WHERE REQUIRED OCCUPANT CAPACITY LESS THAN 50 (IBC TABLE 1020.3)
72" WIDE MINIMUM IN GROUP E WITH A CORRIDOR HAVING AN OCCUPANT LOAD OF 100 OR MORE (IBC TABLE 1020.3, NFPA SECT. 14.2.3.2)

MINIMUM NUMBER OF EXITS REQUIRED:
(NFPA) 2 MEANS OF EGRESS (SECTION 7.4.1.2)
(IBC) 2 MEANS OF EGRESS (SECTION 1006.2.1, TABLE 1006.2.1)
TOTAL WIDTH REQUIRED: (395 OCCUPANTS x .20) = 79" MIN. (SECT. 1005.1)
TOTAL WIDTH PROVIDED: (2) x 70" = 140" TOTAL = 140"

MISCELLANEOUS EGRESS REQUIREMENTS:
MAX. TRAVEL DISTANCE TO EXIT = 200'
(IBC TABLE 1017.1, NFPA TABLE A.7.6)
MAX. DEAD END CORRIDOR LENGTH = 20'-0"
(IBC SECT. 1020.5, NFPA TABLE A.7.6)
COMMON PATH OF TRAVEL = 75'-0" (100'-0")TO CHOICE OF 2 EXIT PATHS
(IBC SECT. 1006.2, NFPA TABLE A.7.6)

BUILDING AREA & CON.

BUILDING CLASSIFICATION:
PRIMARY OCCUPANCY: EDUCATIONAL GROUP E (IBC), EDUCATION (NFPA)

TYPE OF CONSTRUCTION:
TYPE III-B (IBC), TYPE III (000) (NFPA 101)

AUTOMATIC FIRE SUPPRESSION:
NOT REQUIRED PER IBC SECT. 903

BUILDING AREA AND HEIGHT LIMITATIONS:
ALLOWABLE AREA (IBC 506.2) = 14,500 SF

ALLOWABLE HEIGHT (IBC 504.3) = 55 FT

OCCUPANT SEPARATION

INCIDENTAL USE AREAS: (IBC TABLE 509.1, NPFA 101:14.3.2.1, 101:8.7.1.2, TABLE 101:8.3.4.2, 101:12.3.2)

BOILER AND FURNACE ROOM	1 HR. FIRE BARRIER OR AUT. FIRE-EXT. SYS.	
REFRIGERANT MACHINERY ROOMS	1 HR. FIRE BARRIER OR AUT. FIRE-EXT. SYS.	
STORAGE SF)	1 HR. FIRE BARRIER OR AUT. FIRE-EXT. (OVER 100 SYS.	
JANITOR CLOSET SYS.	1 HR. FIRE BARRIER OR AUT. FIRE-EXT.	
LAUNDRIES SYS.	1 HR. FIRE BARRIER OR AUT. FIRE-EXT.	

FIRE RESISTANT REQ.

BUILDING ELEMENT FIRE PROTECTION REQUIREMENTS:

PRIMMARY STRUCTURAL FRAME	0HR	IBC TABLE 601
EXTERIOR BEARING WALLS	2HR	IBC TABLE 601
INTERIOR BEARING WALLS	0HR	IBC TABLE 601
EXTERIOR NONBEARING WALLS	0-1HR	IBC TABLE 602
INTERIOR NONBEARING WALLS	0HR	IBC TABLE 601
FLOOR CONSTRUCTION	0HR	IBC TABLE 601
ROOF CONSTRUCTION	0HR	IBC TABLE 601
CORRIDOR	1HR	IBC TABLE 1020.2

PLUMBING COUNTS

TYPE OF OCCUPANCY:

EDUCATION

NUMBER OF OCCUPANTS:

395

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES:

IPC TABLE 403.1

WATER CLOSETS: 1 PER 50 MALE, 1 PER 50 FEMALE
LAVATORIES: 1 PER 50
4 DRINKING FOUNTAIN REQUIRED, 1 SERVICE SINK REQUIRED

MALE: 198 OCCUPANTS

	REQUIRED	PROVIDED
WC	4	4
LAVATORIES	4	4

FEMALE: 198 OCCUPANTS

	REQUIRED	PROVIDED
WC	4	4
LAVATORIES	4	4

APPLICABLE CODES

BUILDING CODES:
2015 LIFE SAFETY CODE (NFPA 101, EXCLUDING CHAPTER 5)
2021 INTERNATIONAL BUILDING CODE (IBC, EXCLUD. CHAPTERS 1, 11, & 27)
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC, EXCLUD. CHAPTER 1)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL FUEL GAS CODE
2021 NATIONAL ELECTRIC CODE (NFPA 70)
2015 INTERNATIONAL PLUMBING CODE
2019 NFPA 10 - FIRE EXTINGUISHERS
2019 NFPA 13, 13R, & 13D - AUTOMATIC SPRINKLER SYSTEMS
2019 NFPA 20 – STATIONARY FIRE PUMPS
2019 NFPA 72 - FIRE ALARM SYSTEMS
2019 NFPA 96 - HOOD AND EXHAUST SYSTEMS IN COMMERICAL KITCHENS
2019 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS

OTHER CODES:
2010 AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)
AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
UL FIRE RESISTANCE DIRECTORY
2007 ANSI/ASHRAE/IES STANDARD 90.1 - ENERGY CODE FOR BUILDINGS

NOTE: THE CURRENT EDITIONS OF CODES AND STANDARDS ENFORCED BY THE CURRENT STATUES OF THE STATE OF LOUISIANA IN LOUISIANA ADMINISTRATIVE CODE, TITLE 55-V.103 AND 303 SHALL BE REFERENCED ON THIS PROJECT.

1" 1/2" 0" — The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

HOLLY & SMITH ARCHITECTS
HAMMOND T 985.345.5210
NEW ORLEANS T 504.585.1315
LAFAYETTE T 337.279.2010
www.hollyandsmith.com

CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT No. 8217 STATE OF LOUISIANA REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

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LIFE SAFETY

H/S

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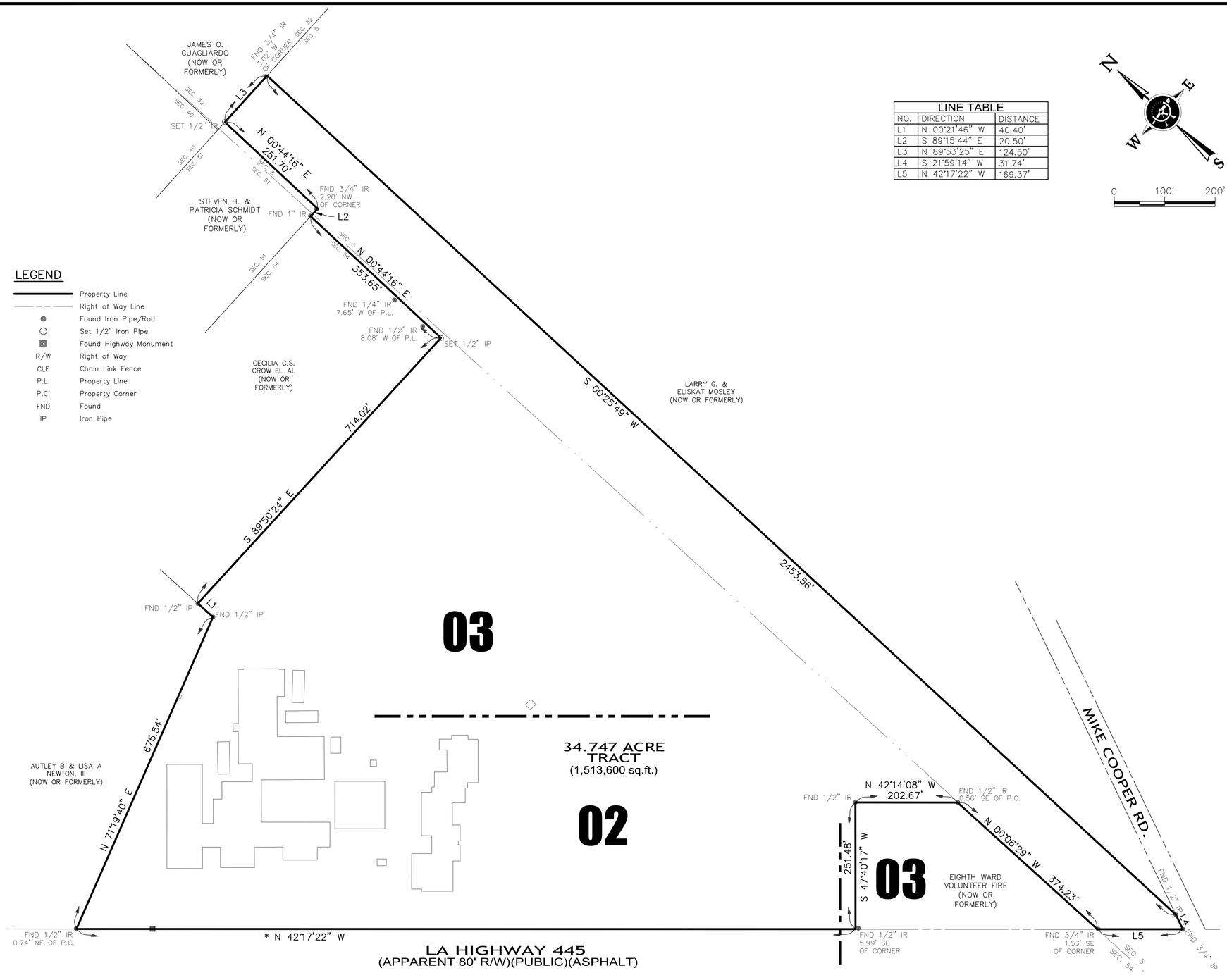
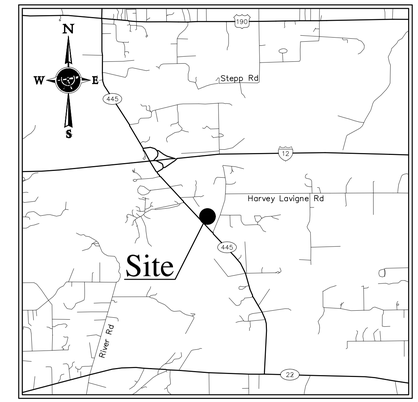


LEGEND

———	Property Line
— — —	Right of Way Line
●	Found Iron Pipe/Rod
○	Set 1/2" Iron Pipe
▣	Found Highway Monument
R/W	Right of Way
CLF	Chain Link Fence
P.L.	Property Line
P.C.	Property Corner
FND	Found
IP	Iron Pipe

LINE TABLE		
NO.	DIRECTION	DISTANCE
L1	N 00°21'46" W	40.40'
L2	S 89°15'44" E	20.50'
L3	N 89°53'25" E	124.50'
L4	S 21°59'14" W	31.74'
L5	N 42°17'22" W	169.37'



VICINITY MAP
NOT TO SCALE

GENERAL NOTES:

1.) Flood Note: In accordance with FEMA Flood Insurance Rate Map Panel No. 22105C0455F for Tangipahoa Parish Louisiana, last revised July 22, 2010, the property shown hereon is located in Flood Zone "X". Nearest adjacent Base Flood Elevation = 23 feet (NAVD 1988). The current base flood and inundation elevations are subject to change and should be verified with the Department of Development prior to issuance of building permits.

FLOOD AREAS DEFINED:
Zone "X": Areas determined to be outside the 0.2% annual chance flood plain.

Flood Insurance Rate Maps are revised frequently and can be found online at: msc.fema.gov

2.) Zoning: Zoning information should be verified with City/Parish Planning Commission.

3.) Reference Maps:
A. Boundary Map of 34.75 Acre Tract of Land Located in Sections 54 & 5, Township 7 South, Range 9 East, Tangipahoa Parish, Louisisana for Champ Cooper School, by John E. Bonneau, dated December 7, 2006

4.) (*) represents the Basis of Bearings. Bearings are based on reference map "A" (above). Distances are U.S. Survey Feet.

5.) Elevations and TBM's were derived from the Leica Network System using Trimble R8 dual frequency GPS units. NAVD 1988 datum, Geoid 18.

6.) No attempt has been made by LandSource, Inc., to verify title, actual legal ownerships, deed restrictions, servitudes, easements, or other burdens on the property other than that furnished by the client or his representative.

7.) Utilities: The underground utilities shown hereon have been located from visible utility features, paint markings made on the ground by utility companies requested by LA. One Call (Ticket No. 260070323) and/or previous construction drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. The surveyor has not physically located the underground utilities, except for above ground visible utility features.

8.) All spot elevations are not shown for clarity of the drawing.

LANDSOURCE INCORPORATED
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MAP SHOWING BOUNDARY & PARTIAL TOPOGRAPHIC SURVEY
OF A
34.747 ACRE TRACT
BEING A PORTION OF
LOCATED IN SECTIONS 5 & 54, T-7-S, R-9-E,
GREENSBURG LAND DISTRICT,
TANGIPAHOA PARISH, LOUISIANA
FOR
HOLLY & SMITH ARCHITECTS, APAC

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STATE OF LOUISIANA
DAVID L. PATTERSON
REG. No. 4784
REGISTERED PROFESSIONAL LAND SURVEYOR

CERTIFICATION:
I hereby certify that I made a survey on the ground of the property shown and that this drawing accurately reflects the findings of said survey, and that this survey conforms to a Class B Survey in accordance with the State of Louisiana Standards of Practice for Boundary Surveys.

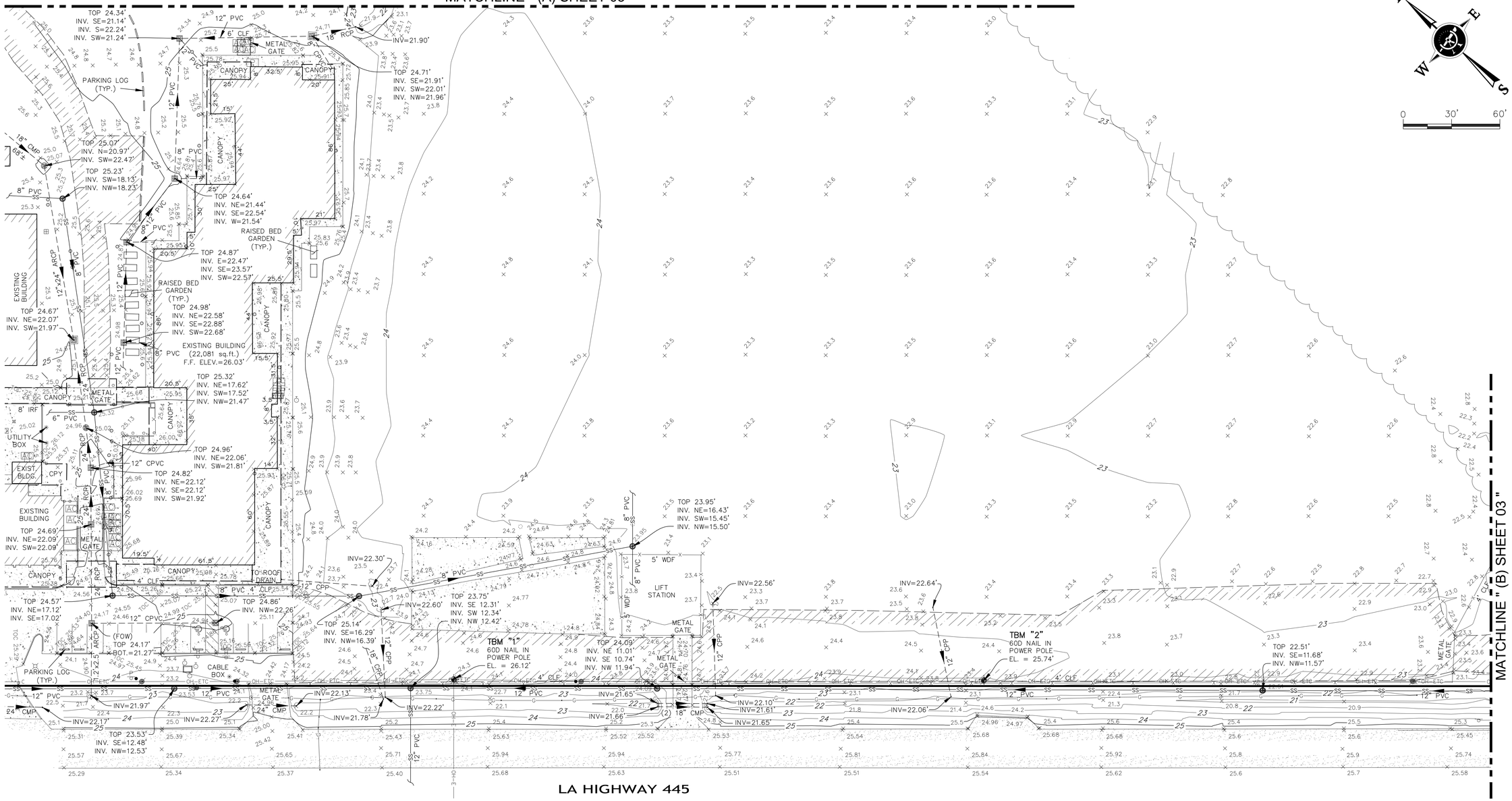
ADVANCE ISSUE

David L. Patterson, P.L.S.
La. Registration No. 04784

Printed on: Mar. 24, 2026
Date

DATE: 03/16/2026
JOB #: 26-358A-01
DWN. BY: DCS
CKD. BY: DLP
SHEET NO: 01
OF: 03

MATCHLINE " (A) SHEET 03 "



MATCHLINE " (B) SHEET 03 "

LEGEND

Property Line	Bollard	CLF	Chain Link Fence
OH–E Overhead Electric	Fire Hydrant	WDF	Wood Fence
OH–ETC Overhead Elec., Tele. & Cable	Water Meter	IRF	Iron Rod Fence
G Underground Gas Line	Water Valve		Asphalt Pavement
SS Underground Sewer Line	Gas Meter		Concrete Pavement
Underground Drain Line	Sewer Manhole		Gravel
Fence Line	Sewer Cleanout		
Ditch Line	Drain Inlet		
Vegetation Line	Drain Manhole		
Temporary Bench Mark	Handicap Sign		
Power Pole	Pipeline Sign		
Pole Mounted Transformer	Reinforced Concrete Pipe	RCP	
Electric Junction Box	Arched Reinforced Concrete Pipe	ARCP	
Electrical Box	Corrugated Metal Pipe	CMP	
Area Light	Corrugated Plastic Pipe	CPP	
Air Conditioner Unit	Corrugated Polyvinyl Chloride	CPVC	
Handicap Parking	Polyvinyl Chloride Pipe	PVC	

Louisiana One Call before you dig.
1-800-272-3020
(TICKET No. 260070323)

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A Professional Surveying And Land Information Company
6730 Exchequer Drive
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Fax (225) 752-0997
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STATE OF LOUISIANA
DAVID L. PETERSON
REG. NO. 4784
REGISTERED PROFESSIONAL LAND SURVEYOR

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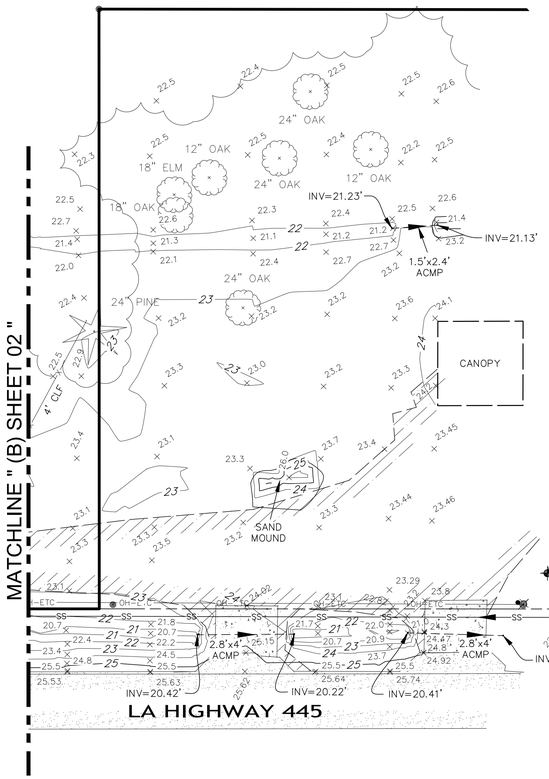
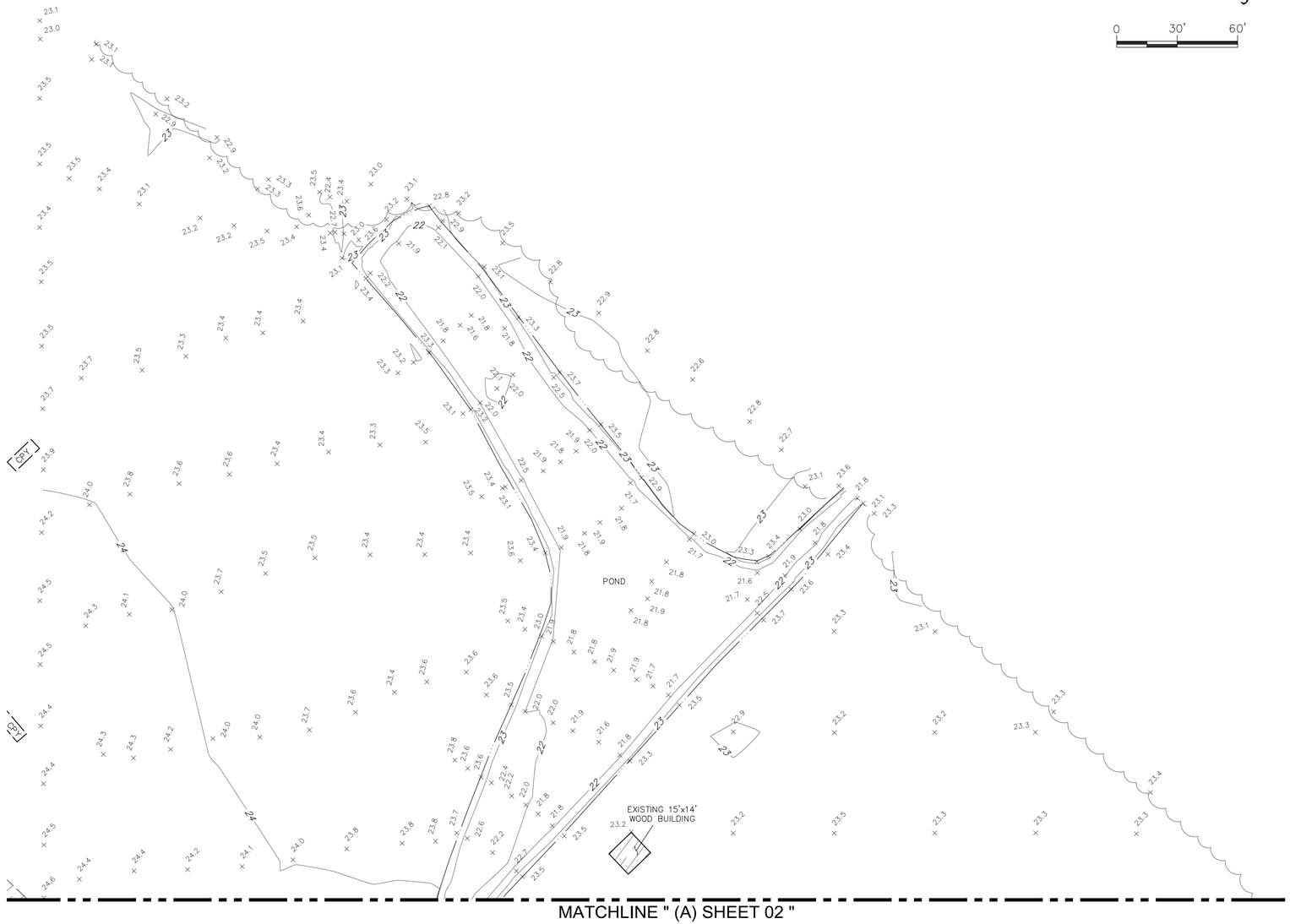
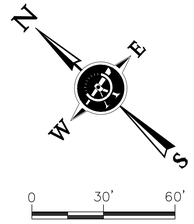
SHEET NO: 02
OF: 03







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OF: 03

LEGEND

Property Line		Pole Mounted Transformer	Asphalt Pavement
Right of Way Line		Area Light	Concrete Pavement
OH–ETC	Overhead Elec., Tele. & Cable	Fire Hydrant	Gravel
SS	Underground Sewer Line	Sewer Manhole	
Underground Drain Line		CMP	Corrugated Metal Pipe
Fence Line		ACMP	Arched Corrugated Metal Pipe
Ditch Line		CLF	Chain Link Fence
Vegetation Line			
Found Iron Pipe/Rod			
Temporary Bench Mark			
Power Pole			

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STATE OF LOUISIANA
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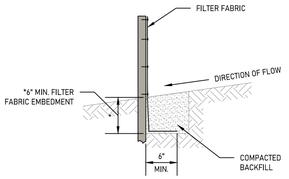
SITE CLEARING/DEMOLITION LEGEND

AREAS OF STRIPPING		SAW CUT PAVEMENT	
PAVEMENT TO BE REMOVED		ITEM TO BE REMOVED	X OR ~~~
GRAVEL/ROCK TO BE REMOVED		EXISTING CONTOUR	23
AREA OF POND EXCAVATION		EXISTING ELEVATION	×23.00
SILT FENCE	X	DIRECTION OF OVERLAND FLOW	
		PROPERTY LINE	℄
		RIGHT-OF-WAY	R/W



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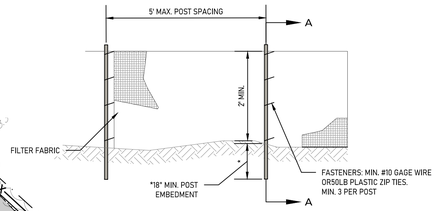
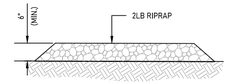


2 SILT FENCE
NOT TO SCALE



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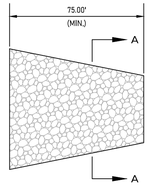
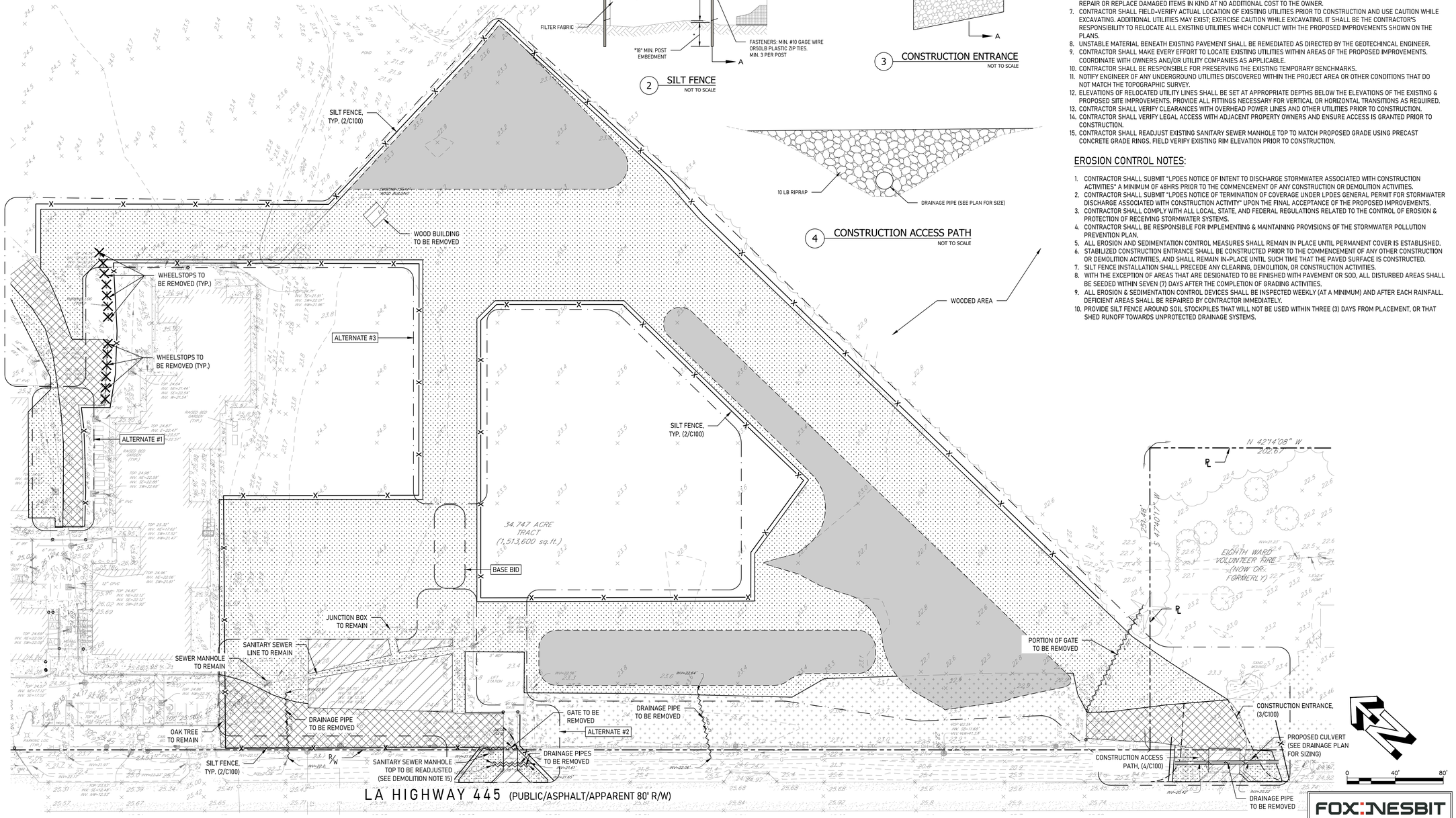


3 CONSTRUCTION ENTRANCE
NOT TO SCALE

4 CONSTRUCTION ACCESS PATH
NOT TO SCALE



1 DEMOLITION & PHASE I EROSION CONTROL
Scale: 1" = 40'

GENERAL NOTES:

1. INFORMATION DEPICTING THE EXISTING CONDITIONS HEREON WAS TAKEN FROM "MAP SHOWING BOUNDARY & PARTIAL TOPOGRAPHIC SURVEY OF A 34.747 ACRE TRACT, LOCATED IN SECTIONS 5 & 54, T-7-S, R-9-E, GREENSBURG LAND DISTRICT, TANGIPAHOA PARISH, LOUISIANA, FOR HOLLY & SMITH ARCHITECTS, DATED FEBRUARY 05, 2026", BY LANDSOURCE INC. FOX-NESBIT ENGINEERING, LLC HAS NOT FIELD-VERIFIED THE ITEMS IDENTIFIED ON THIS SURVEY.
2. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 22105C0455F, LAST REVISED ON JULY 22, 2010, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X". FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH THE PLANNING DEPARTMENT.
3. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION TO HAVE THEIR UTILITIES LOCATED IN THE FIELD. CONTRACTOR SHALL MAKE REQUEST THROUGH LOUISIANA ONE CALL (811).

DEMOLITION NOTES:

1. THE LIMITS OF STRIPPING SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LIMITS BASED ON THE LAYOUT OF THE PROPOSED SITE IMPROVEMENTS.
2. REFER TO STRUCTURAL ENGINEER FOR STRIPPING REQUIREMENTS BENEATH AND WITHIN PROXIMITY OF BUILDING PAD. ADHERE TO MORE STRINGENT REQUIREMENT WHERE OVERLAPPING SPECIFICATIONS OCCUR AT ANY POINT.
3. AREAS WITHIN 5' OF PROPOSED PAVEMENT SHALL BE STRIPPED TO A MINIMUM DEPTH OF 12" OR AS REQUIRED TO ACHIEVE THE PROPOSED SUBGRADE ELEVATIONS IN ORDER TO REMOVE ALL VEGETATION, ORGANIC MATTER, AND DELETERIOUS MATERIALS & TO ACHIEVE STABLE SUBGRADE. ACTUAL DEPTH OF REMOVAL SHALL BE VERIFIED IN FIELD WITH THE GEOTECHNICAL ENGINEER.
4. ALL EXCESS MATERIAL SHALL BE REMOVED FROM SITE & DISPOSED OF LAWFULLY.
5. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATED TO THE DEMOLITION & REMOVAL OF ALL POTENTIALLY HAZARDOUS MATERIALS.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING FEATURES DESIGNATED TO REMAIN THROUGHOUT CONSTRUCTION, AND SHALL REPAIR OR REPLACE DAMAGED ITEMS IN KIND AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL FIELD-VERIFY ACTUAL LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND USE CAUTION WHILE EXCAVATING. ADDITIONAL UTILITIES MAY EXIST; EXERCISE CAUTION WHILE EXCAVATING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
8. UNSTABLE MATERIAL BENEATH EXISTING PAVEMENT SHALL BE REMEDIATED AS DIRECTED BY THE GEOTECHINCAL ENGINEER.
9. CONTRACTOR SHALL MAKE EVERY EFFORT TO LOCATE EXISTING UTILITIES WITHIN AREAS OF THE PROPOSED IMPROVEMENTS. COORDINATE WITH OWNERS AND/OR UTILITY COMPANIES AS APPLICABLE.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING THE EXISTING TEMPORARY BENCHMARKS.
11. NOTIFY ENGINEER OF ANY UNDERGROUND UTILITIES DISCOVERED WITHIN THE PROJECT AREA OR OTHER CONDITIONS THAT DO NOT MATCH THE TOPOGRAPHIC SURVEY.
12. ELEVATIONS OF RELOCATED UTILITY LINES SHALL BE SET AT APPROPRIATE DEPTHS BELOW THE ELEVATIONS OF THE EXISTING & PROPOSED SITE IMPROVEMENTS. PROVIDE ALL FITTINGS NECESSARY FOR VERTICAL OR HORIZONTAL TRANSITIONS AS REQUIRED.
13. CONTRACTOR SHALL VERIFY CLEARANCES WITH OVERHEAD POWER LINES AND OTHER UTILITIES PRIOR TO CONSTRUCTION.
14. CONTRACTOR SHALL VERIFY LEGAL ACCESS WITH ADJACENT PROPERTY OWNERS AND ENSURE ACCESS IS GRANTED PRIOR TO CONSTRUCTION.
15. CONTRACTOR SHALL READJUST EXISTING SANITARY SEWER MANHOLE TOP TO MATCH PROPOSED GRADE USING PRECAST CONCRETE GRADE RINGS. FIELD VERIFY EXISTING RIM ELEVATION PRIOR TO CONSTRUCTION.

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL SUBMIT "LPDES NOTICE OF INTENT TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES" A MINIMUM OF 48HRS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION OR DEMOLITION ACTIVITIES.
2. CONTRACTOR SHALL SUBMIT "LPDES NOTICE OF TERMINATION OF COVERAGE UNDER LPDES GENERAL PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY" UPON THE FINAL ACCEPTANCE OF THE PROPOSED IMPROVEMENTS.
3. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATED TO THE CONTROL OF EROSION & PROTECTION OF RECEIVING STORMWATER SYSTEMS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING & MAINTAINING PROVISIONS OF THE STORMWATER POLLUTION PREVENTION PLAN.
5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT COVER IS ESTABLISHED.
6. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF ANY OTHER CONSTRUCTION OR DEMOLITION ACTIVITIES, AND SHALL REMAIN IN-PLACE UNTIL SUCH TIME THAT THE PAVED SURFACE IS CONSTRUCTED.
7. SILT FENCE INSTALLATION SHALL PRECEDE ANY CLEARING, DEMOLITION, OR CONSTRUCTION ACTIVITIES.
8. WITH THE EXCEPTION OF AREAS THAT ARE DESIGNATED TO BE FINISHED WITH PAVEMENT OR SOD, ALL DISTURBED AREAS SHALL BE SEEDED WITHIN SEVEN (7) DAYS AFTER THE COMPLETION OF GRADING ACTIVITIES.
9. ALL EROSION & SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED WEEKLY (AT A MINIMUM) AND AFTER EACH RAINFALL. DEFICIENT AREAS SHALL BE REPAIRED BY CONTRACTOR IMMEDIATELY.
10. PROVIDE SILT FENCE AROUND SOIL STOCKPILES THAT WILL NOT BE USED WITHIN THREE (3) DAYS FROM PLACEMENT, OR THAT SHED RUNOFF TOWARDS UNPROTECTED DRAINAGE SYSTEMS.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

C100

DEMOLITION & PHASE I EROSION CONTROL

FOX-NESBIT
BATON ROUGE 225:293:6595
NEW ORLEANS www.fox-nesbit.com

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1" 1/2" 1" 0"

The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

LEGEND

KEYED NOTE	#
PARKING COUNT	#
BUILDING ENTRANCES	
NEW CONCRETE SIDEWALK	
BARRIER CURB	
WHEEL STOP	
EDGE OF PAVEMENT	E.O.P.
PROPERTY LINE	℄
RIGHT - OF -WAY	R/W

CROSS SECTION: SECTION NUMBER 1 / SHEET NUMBER C###

DRAWING TITLE: VIEW NUMBER # VIEW TITLE
Scale: 1:1

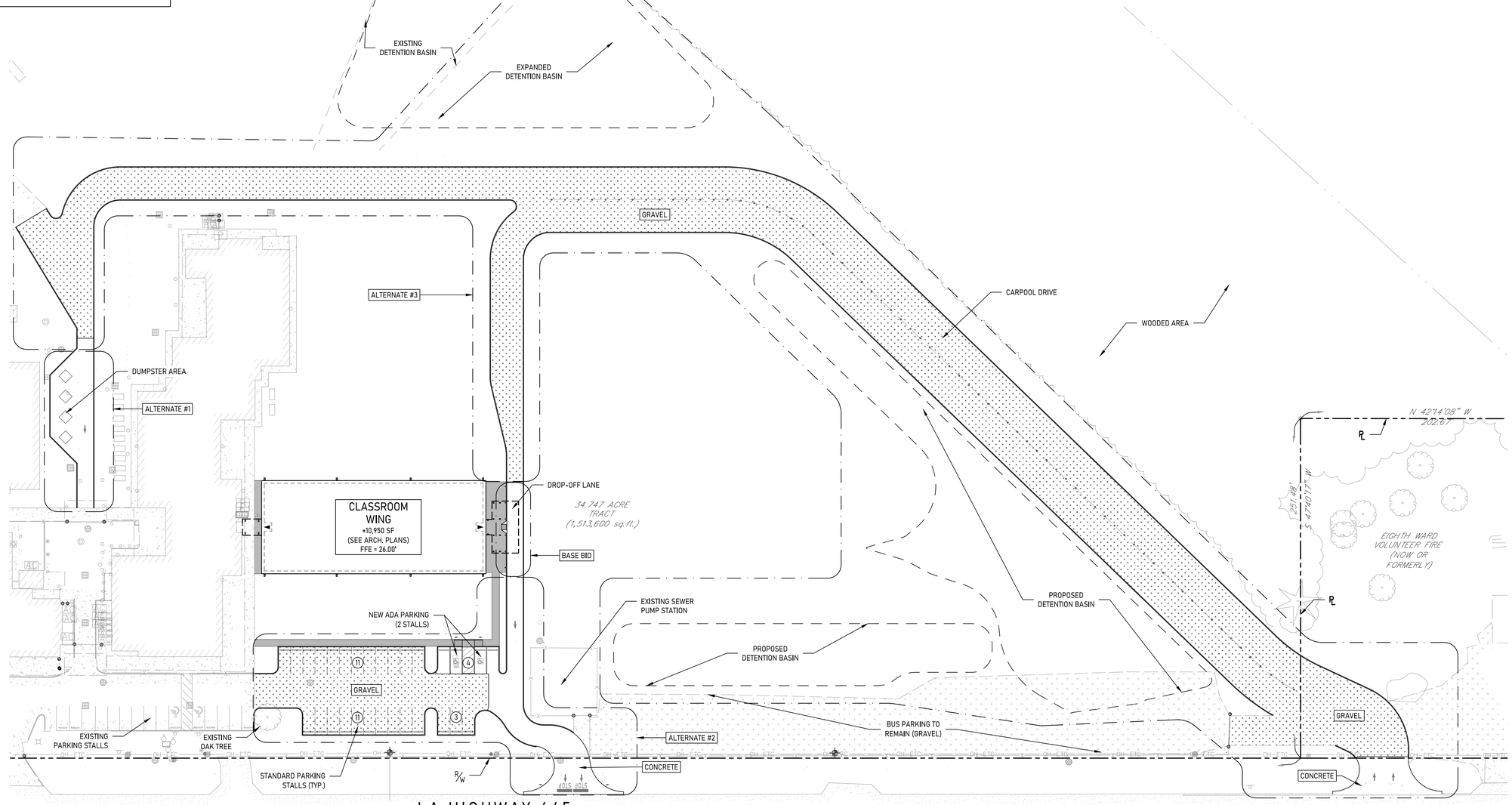
DETAIL CALL OUT: DETAIL NUMBER #/C### SHEET NUMBER

PARKING SUMMARY TABLE

# OF STALLS PROVIDED	# OF ADA STALLS REQ'D	# OF ADA STALLS PROVIDED
29	2	2

GENERAL NOTES:

1. INFORMATION DEPICTING THE EXISTING CONDITIONS HEREON WAS TAKEN FROM "MAP SHOWING BOUNDARY & PARTIAL TOPOGRAPHIC SURVEY OF A 34.747 ACRE TRACT, LOCATED IN SECTIONS 5 & 54, T-7-S, R-9-E, GREENSBURG LAND DISTRICT, TANGIPAHOA PARISH, LOUISIANA, FOR HOLLY & SMITH ARCHITECTS, DATED FEBRUARY 05, 2026", BY LANDSOURCE INC. FOX-NESBIT ENGINEERING, LLC HAS NOT FIELD-VERIFIED THE ITEMS IDENTIFIED ON THIS SURVEY.
2. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 22105C0455F, LAST REVISED ON JULY 22, 2010, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X". FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH THE PLANNING DEPARTMENT.
3. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION TO HAVE THEIR UTILITIES LOCATED IN THE FIELD. CONTRACTOR SHALL MAKE REQUEST THROUGH LOUISIANA ONE CALL (811).



1 OVERALL CIVIL SITE PLAN
Scale: 1" = 40'

0 40' 80'

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER

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PROJECT MANAGER	
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BID DOCUMENTS

C200

OVERALL CIVIL SITE PLAN

H/S

0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

SITE PLAN & GEOMETRIC LAYOUT NOTES:

1. WHERE CURVE DATA IS NOT SHOWN, CURVES SHALL HAVE A TOTAL ANGLE OF 90°.
2. WHERE NO CURB RADIUS IS SHOWN, RADIUS SHALL BE 5' ALONG FACE OF CURB.
3. DIMENSIONS FROM SHOWN PROPERTY BOUNDARIES ARE TAKEN TO THE BACK OF CURB. ALL OTHER DIMENSIONS & ALL CURVE DATA ARE TAKEN TO THE FACE OF CURB.
4. ALL PROPOSED SIGNAGE & PAVEMENT STRIPING SHALL CONFORM TO THE CURRENT EDITION OF THE M.U.T.C.D.
5. ZONING: UNO
6. CONTRACTOR SHALL VERIFY VERTICAL CLEARANCES FOR CANOPY AGAINST ARCHITECTURAL PLANS AND PROPOSED GRADES. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.

LEGEND	
KEYED NOTE	(#)
PARKING COUNT	(#)
BUILDING ENTRANCES	►
NEW CONCRETE SIDEWALK	
BARRIER CURB	
WHEEL STOP	
EDGE OF PAVEMENT	E.O.P.
PROPERTY LINE	℄
RIGHT - OF - WAY	R/W

KEYED NOTES	
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2	6" BARRIER CURB (11/C302)
3	RIBBON CURB (12/C302)
4	CONCRETE CURB RAMP (4/C202)
5	FLARED RAMP (6/C202)
6	LANDSCAPE ISLAND
7	CANOPY (SEE ARCH. PLANS)
8	CANOPY COLUMNS (SEE ARCH. PLANS)
9	DUMPSTER AREA (SEE ARCH. PLANS)
10	"48" DRIVEABLE LANE DELINEATOR (5/C203)
11	TRAFFIC FLOW ARROW (8/C202)
12	PARKING STALL LAYOUT
13	ADA PARKING STALL LAYOUT (2/C202)
14	8" SOLID BLUE STRIPE
15	8" BLUE STRIPE 4' O.C. @ 45°
16	PAINTED INTERNATIONAL SYMBOL OF ACCESS (9/C202)
17	HANDICAPPED PARKING SIGN (2/C203)
18	CONCRETE WHEELSTOPS (5/C202)
19	BOLLARDS (4/C203)
20	CURB TERMINUS (9/C302)
21	END OF LANE MARKINGS (7/C202)
22	STOP SIGN R1-1 (3/C203)
23	EXISTING TREE LINE
24	EXISTING SIDEWALK
25	EXISTING CONCRETE DRIVE
26	EXISTING SEWER PUMP STATION

CLASSROOM WING
±10,950 SF
(SEE ARCH. PLANS)
FFE = 26.00'

34.747 ACRE TRACT (1,513,600 sq.ft.)

LA HIGHWAY 445
(PUBLIC/ASPHALT/APPARENT 80' R/W)

1 GEOMETRIC LAYOUT
Scale: 1" = 20'

0 20' 40'

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C201

GEOMETRIC LAYOUT

FOX NESBIT
BATON ROUGE 225:293:6595
NEW ORLEANS www.fox-nesbit.com

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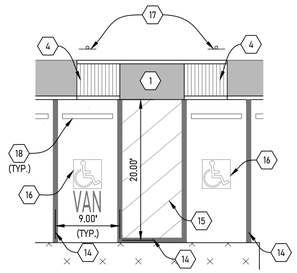
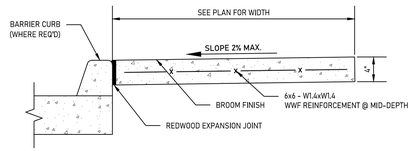
LEGEND	
KEYED NOTE	#
PARKING COUNT	#
BUILDING ENTRANCES	
NEW CONCRETE SIDEWALK	
BARRIER CURB	
WHEEL STOP	
EDGE OF PAVEMENT	E.O.P.
PROPERTY LINE	
RIGHT - OF -WAY	R/W

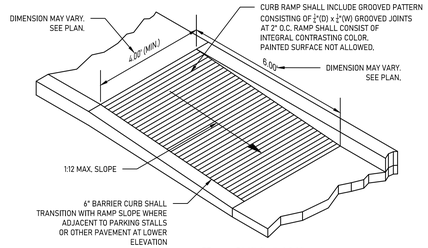


2 TYPICAL ADA PARKING STALL LAYOUTS
SCALE: NOT TO SCALE



CONCRETE SIDEWALK NOTES:
1. ½" TOOLED JOINTS REQUIRED AT INTERVALS EQUAL TO WIDTH OF SIDEWALK. (8' MAX. INTERVAL)
2. ½" EXPANSION JOINTS REQUIRED AT 100' MAX. AND AT JUNCTIONS WITH CURBS, DRIVES, OR OTHER WALKS.
3. SIDEWALK CROSS-SLOPES SHALL NOT EXCEED 2% (1:50).
4. SIDEWALK LONGITUDINAL SLOPES SHALL NOT EXCEED 5% (1:20).

3 CONCRETE SIDEWALK
NOT TO SCALE



4 CURB RAMP
NOT TO SCALE

SITE PLAN & GEOMETRIC LAYOUT NOTES:

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5. ZONING: UND
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8	CANOPY COLUMNS (SEE ARCH. PLANS)
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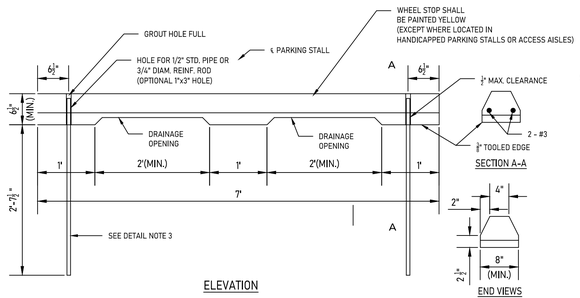
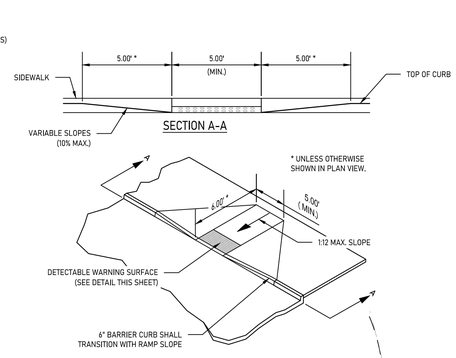
22	STOP SIGN R1-1 (3/C203)
23	EXISTING TREE LINE
24	EXISTING SIDEWALK
25	EXISTING CONCRETE DRIVE
26	EXISTING SEWER PUMP STATION



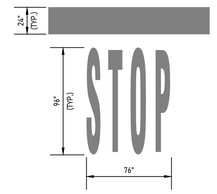
WHEEL STOP DETAIL NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR WHEEL STOPS PRIOR TO CONSTRUCTION. DRAWINGS SHALL INCLUDE ALL DIMENSIONS, REINFORCING, AND COLORS AS SHOWN HEREON.
2. DRAINAGE OPENINGS MUST BE PROVIDED & ILLUSTRATED ON SHOP DRAWINGS.
3. 1/2" STD PIPE OR 3/4" REINF. ROD SHALL BE PLACED PRIOR TO SURFACING OR IN A HOLE DRILLED IN THE FINISHED SURFACE WITH A TIGHT FIT OBTAINED BY AN APPROVED METHOD, OR DRIVEN INTO THE SURFACING.

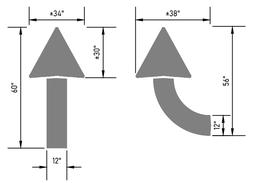
5 PRECAST CONCRETE WHEEL STOP DETAILS
NOT TO SCALE



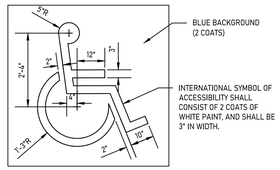
6 FLARED SIDEWALK RAMP
NOT TO SCALE



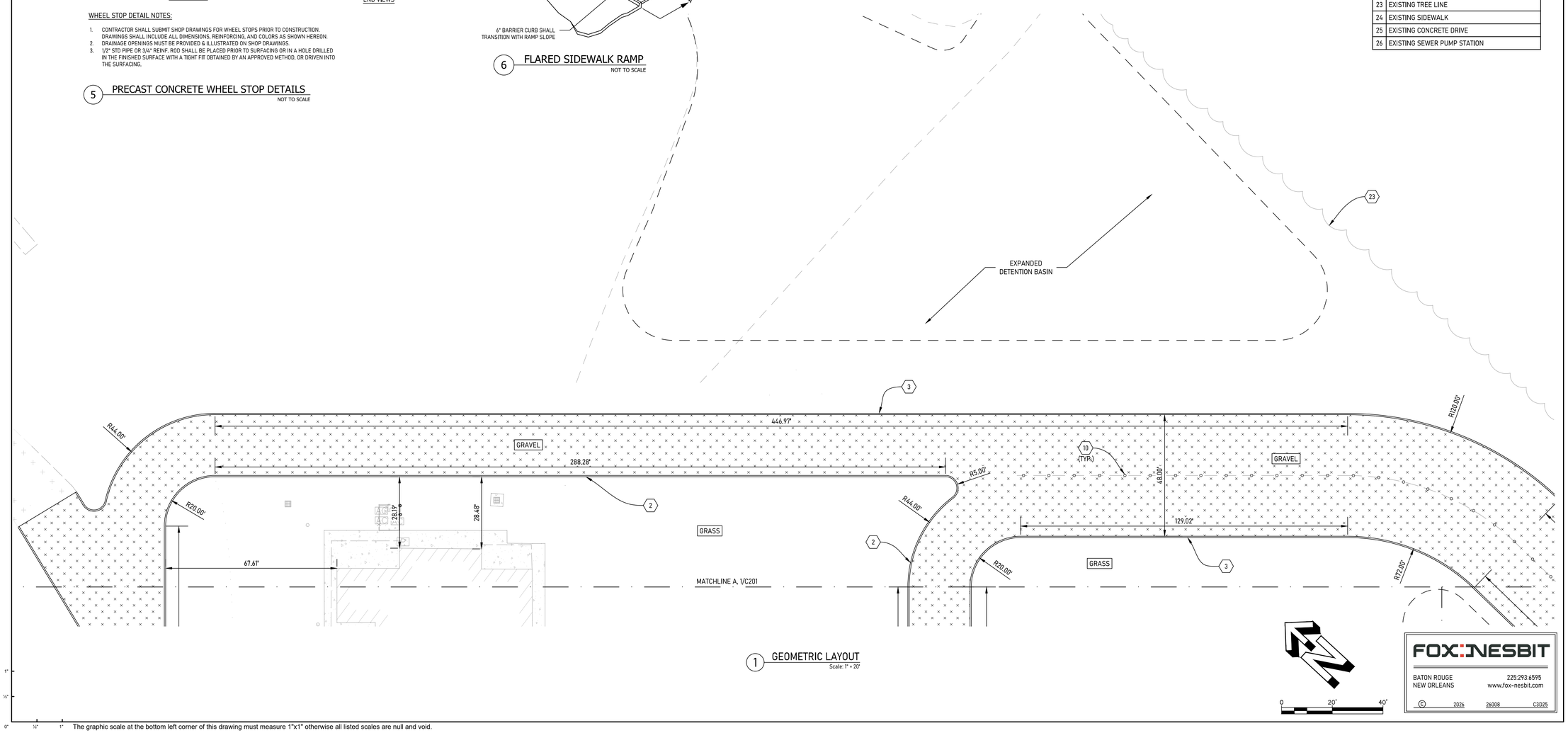
7 END OF LANE MARKINGS
NOT TO SCALE



8 TRAFFIC FLOW ARROWS
NOT TO SCALE



9 PAINTED ACCESS SYMBOL
NOT TO SCALE



1 GEOMETRIC LAYOUT
Scale: 1" = 20'

0 20' 40'

FOX:NESBIT
BATON ROUGE 225:293:6595
NEW ORLEANS www.fox-nesbit.com
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1" ½" 0" ½" 1"
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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER

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QUALITY CONTROL	

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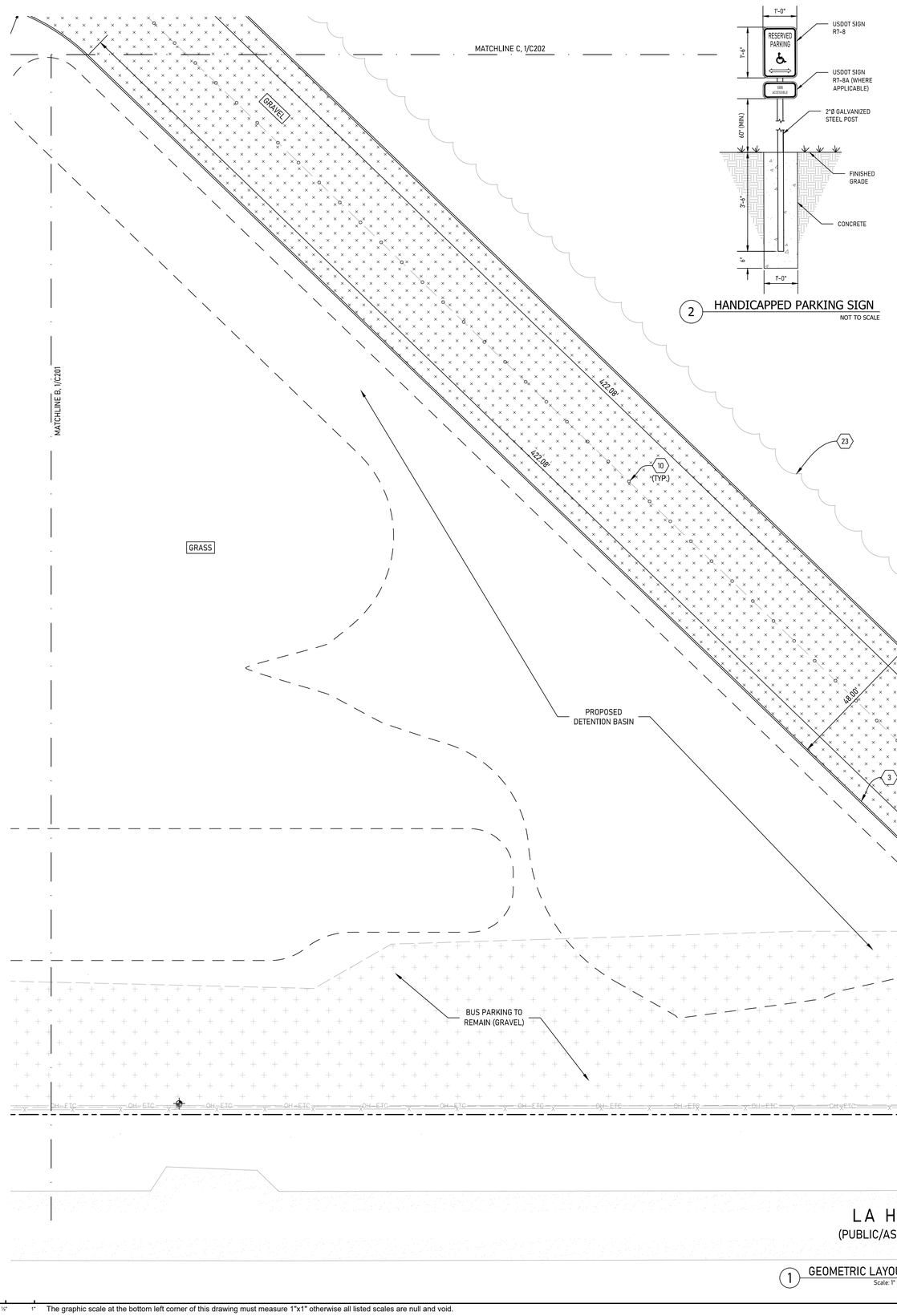
BID DOCUMENTS

C202

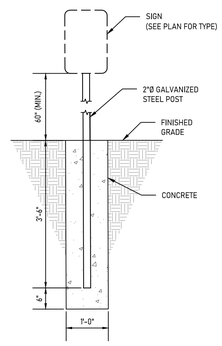
GEOMETRIC LAYOUT

H/S

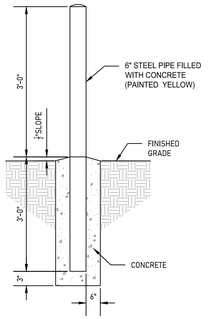


1 GEOMETRIC LAYOUT
Scale: 1" = 20'

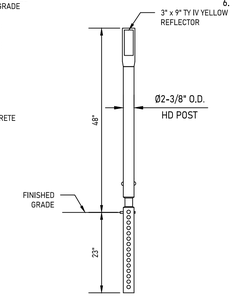
2 HANDICAPPED PARKING SIGN
NOT TO SCALE



3 SIGN DETAIL
NOT TO SCALE



4 BOLLARD
NOT TO SCALE



5 "48" DRIVEABLE LANE DELINEATOR
NOT TO SCALE

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LEGEND	
KEYED NOTE	#
PARKING COUNT	#
BUILDING ENTRANCES	▶
NEW CONCRETE SIDEWALK	
BARRIER CURB	
WHEEL STOP	
EDGE OF PAVEMENT	E.O.P.
PROPERTY LINE	℄
RIGHT - OF -WAY	R/W

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10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

NO.	DESCRIPTION	DATE

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C203

GEOMETRIC LAYOUT

FOX NESBIT
BATON ROUGE 225.293.6595
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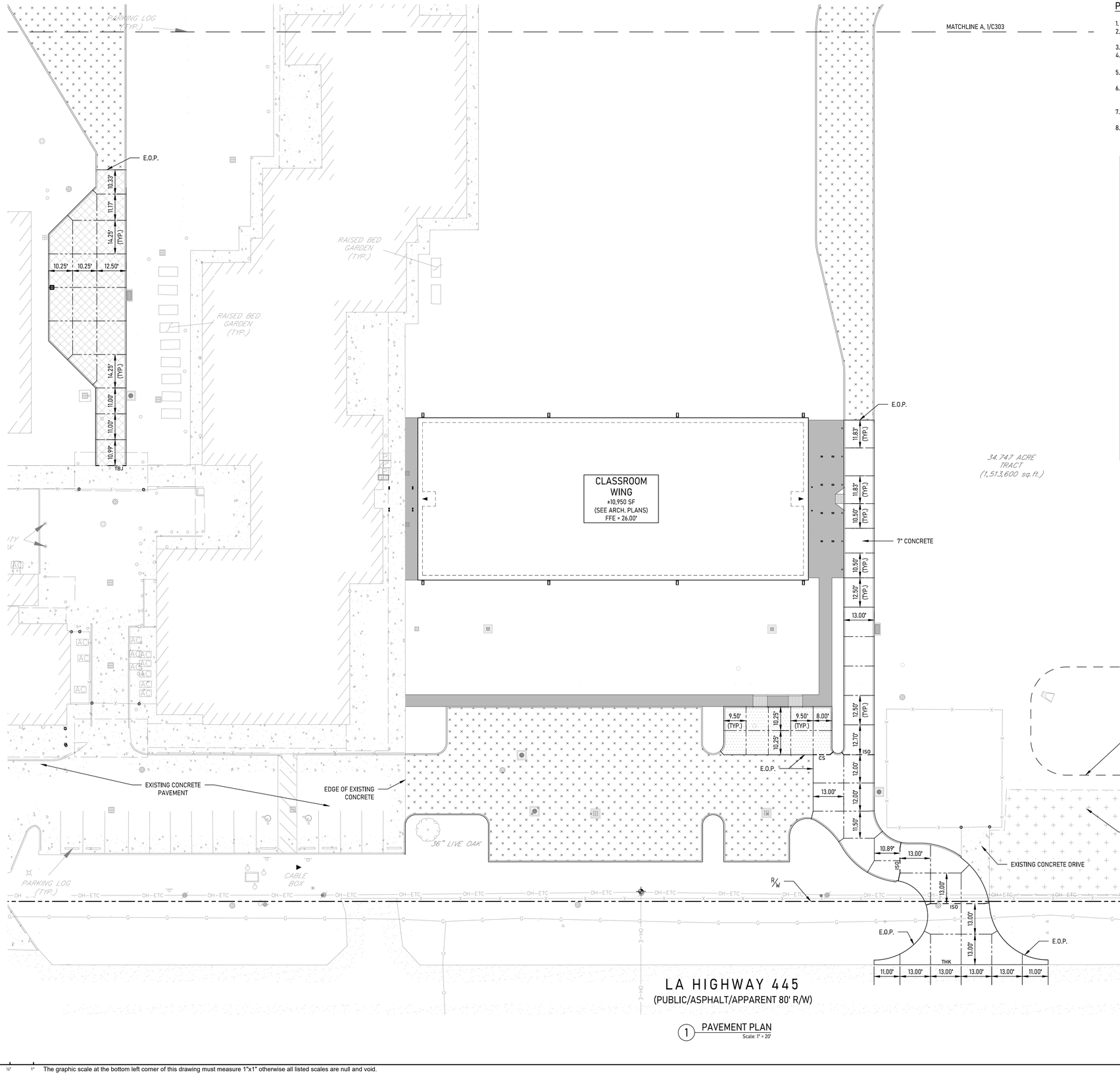
H/S

1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



1 PAVEMENT PLAN
Scale: 1" = 20'

PAVING & JOINT NOTES:

1. ALL CONCRETE PAVEMENT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000PSI.
2. ALL JOINTS SHALL BE OFFSET A MINIMUM OF 2FT FROM EDGE OF PAVEMENT IN ORDER TO PROVIDE A PERPENDICULAR INTERSECTION WHERE CURVES OR ACUTE ANGLES ARE ENCOUNTERED.
3. SAWCUTS SHALL BE MADE AS SOON AS PAVEMENT IS STABLE ENOUGH TO SUPPORT SAWING EQUIPMENT.
4. ALL DOWELS & TIE BARS MUST BE SET AT 90° ANGLES WITH RESPECT TO THE VERTICAL PLANE OF THE SLAB AT THE TIME OF CONCRETE INSTALLATION.
5. PROVIDE ¾" EXPANSION JOINTS CONTINUOUSLY ALONG INTERFACE OF BUILDING SLAB & PAVEMENT WHERE OTHER STRUCTURES ENCOUNTER CONCRETE PAVEMENT.
6. WHERE REQUIRED, GEOTEXTILE FABRIC BENEATH PROPOSED JOINTS SHALL BE A MINIMUM OF 2FT IN WIDTH, WITH A MINIMUM OF 1FT EXTENDING BEYOND EACH JOINT, AND SHALL EXTEND THE FULL LENGTH OF THE JOINT.
7. ALL PAVEMENT JOINTS SHALL BE EXTENDED THROUGH CURBS, AND SHALL EXTEND THROUGH THE FULL DEPTH OF CURBS.
8. PAVEMENT BASE SHALL EXTEND 12" (MIN.) BEYOND BACK OF PROPOSED CURB OR EDGE OF PAVEMENT IN ALL PAVED AREAS.

PAVING & JOINT LEGEND

CONTRACTION JOINT	
CONSTRUCTION JOINT	CS
TRANSVERSE BUTT JOINT	TBJ
ISOLATION JOINT	ISO
SIDEWALK EXPANSION JOINT	EXP
LIGHT DUTY CONCRETE PAVEMENT (5")	
MEDIUM DUTY CONCRETE PAVEMENT (7")	
NEW GRAVEL	
DUMPSTER PAD PAVEMENT (8")	
CONCRETE SIDEWALK	
EXISTING GRAVEL	
EDGE OF PAVEMENT	E.O.P.
THICKENED EDGE	THK
PANELS TO BE REINFORCED W/ #4 DEFORMED BARS @ 12" O.C.E.W.	*
CONTRACTION JOINT INTERCEPT	

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

C301

PAVEMENT PLAN

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H/S

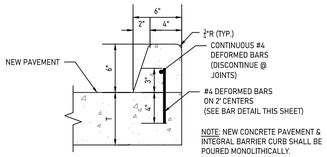
1" ½" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

PAVING & JOINT LEGEND

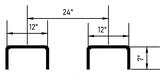
CONTRACTION JOINT	
CONSTRUCTION JOINT	CS
TRANSVERSE BUTT JOINT	TBJ
ISOLATION JOINT	ISO
SIDEWALK EXPANSION JOINT	EXP
LIGHT DUTY CONCRETE PAVEMENT (5")	
MEDIUM DUTY CONCRETE PAVEMENT (7")	
NEW GRAVEL	
DUMPSTER PAD PAVEMENT (8")	
CONCRETE SIDEWALK	
EXISTING GRAVEL	
EDGE OF PAVEMENT	E.O.P.
THICKENED EDGE	THK
PANELS TO BE REINFORCED W/ #4 DEFORMED BARS @ 12" O.C.E.W.	*
CONTRACTION JOINT INTERCEPT	

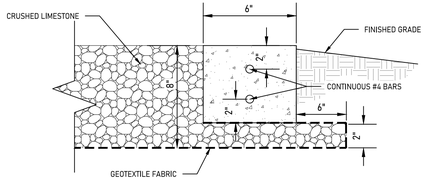
REQUIRED REINFORCEMENT TABLE

T OR T2	DOWEL SIZE	REINFORCEMENT
5"	DO NOT USE	6 x 6 - W2.9 x W2.9 WWF
7"	#7 x 18"	6 x 6 - W4 x W4 WWF
8"	#8 x 18"	#5 @ 12" O.C.E.W

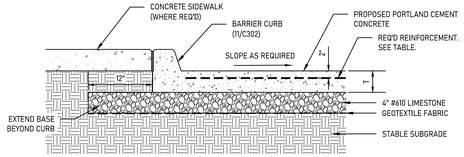


11 PIN-ON BARRIER CURB
NOT TO SCALE

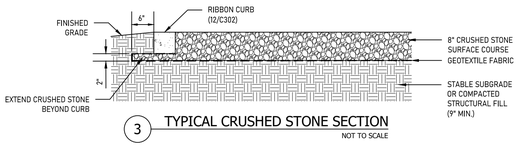




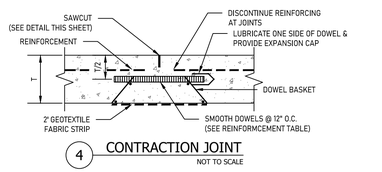
12 TYP. CRUSHED STONE & CONCRETE RIBBON CURB SECTION
NOT TO SCALE



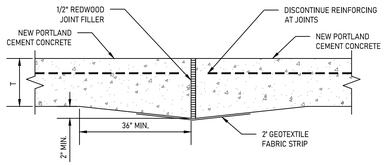
2 TYPICAL CONCRETE PAVEMENT SECTION
NOT TO SCALE

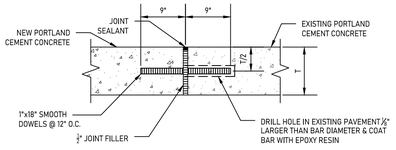


3 TYPICAL CRUSHED STONE SECTION
NOT TO SCALE

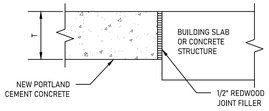


4 CONTRACTION JOINT
NOT TO SCALE

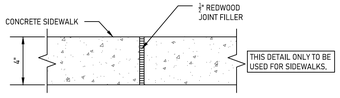




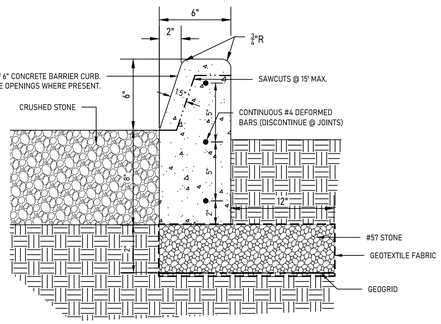
5 TRANSVERSE BUTT JOINT (TBJ)
NOT TO SCALE



6 ISOLATION JOINT (ISO)
NOT TO SCALE



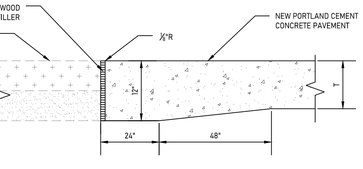
7 EXPANSION JOINT (EXP)
NOT TO SCALE



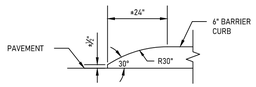
PROPOSED

CONCRETE CURB NOTES:
1. ½"EXPANSION JOINTS SHALL BE PROVIDED AT A MAXIMUM OF 15' O.C. AND AT ALL CORNERS.
2. CURBS ENDS & OPENINGS SHALL TERMINATE 45° VERTICAL ANGLES.

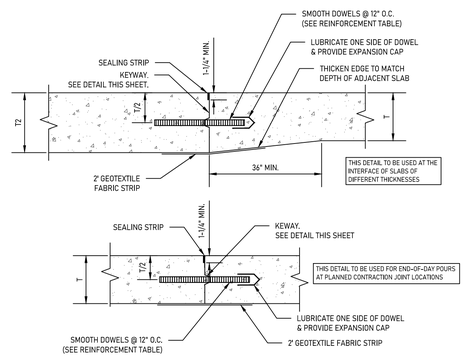
14 BARRIER CURB AT GRAVEL
NOT TO SCALE



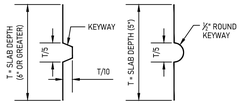
8 THICKENED EDGE (THK)
NOT TO SCALE



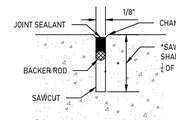
9 CURB TERMINUS DETAIL
NOT TO SCALE



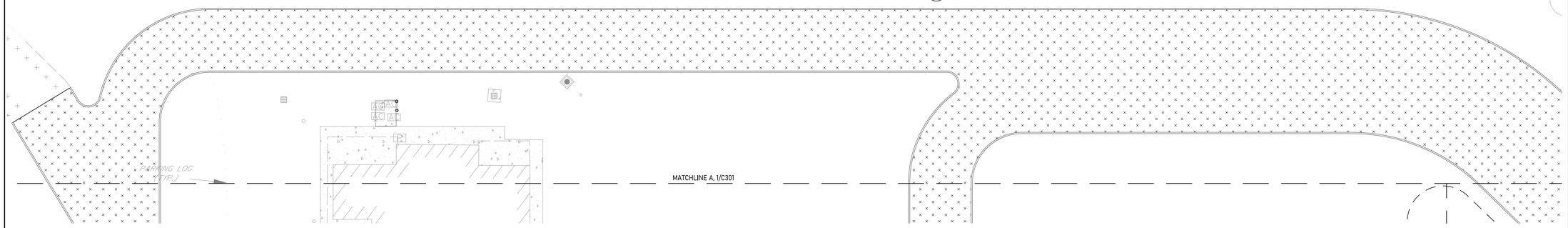
10 CONSTRUCTION JOINT (CS)
NOT TO SCALE



15 KEYWAY DETAIL
NOT TO SCALE



16 SAWCUT DETAIL
NOT TO SCALE



1 PAVEMENT PLAN
Scale: 1" = 20'

PAVING & JOINT NOTES:

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3. SAWCUTS SHALL BE MADE AS SOON AS PAVEMENT IS STABLE ENOUGH TO SUPPORT SAWING EQUIPMENT.
4. ALL DOWELS & TIE BARS MUST BE SET AT 90° ANGLES WITH RESPECT TO THE VERTICAL PLANE OF THE SLAB AT THE TIME OF CONCRETE INSTALLATION.
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7. ALL PAVEMENT JOINTS SHALL BE EXTENDED THROUGH CURBS, AND SHALL EXTEND THROUGH THE FULL DEPTH OF CURBS.
8. PAVEMENT BASE SHALL EXTEND 12" (MIN.) BEYOND BACK OF PROPOSED CURB OR EDGE OF PAVEMENT IN ALL PAVED AREAS.

0 20' 40'

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
LICENSE No. 47124
PROFESSIONAL ENGINEER
CIVIL

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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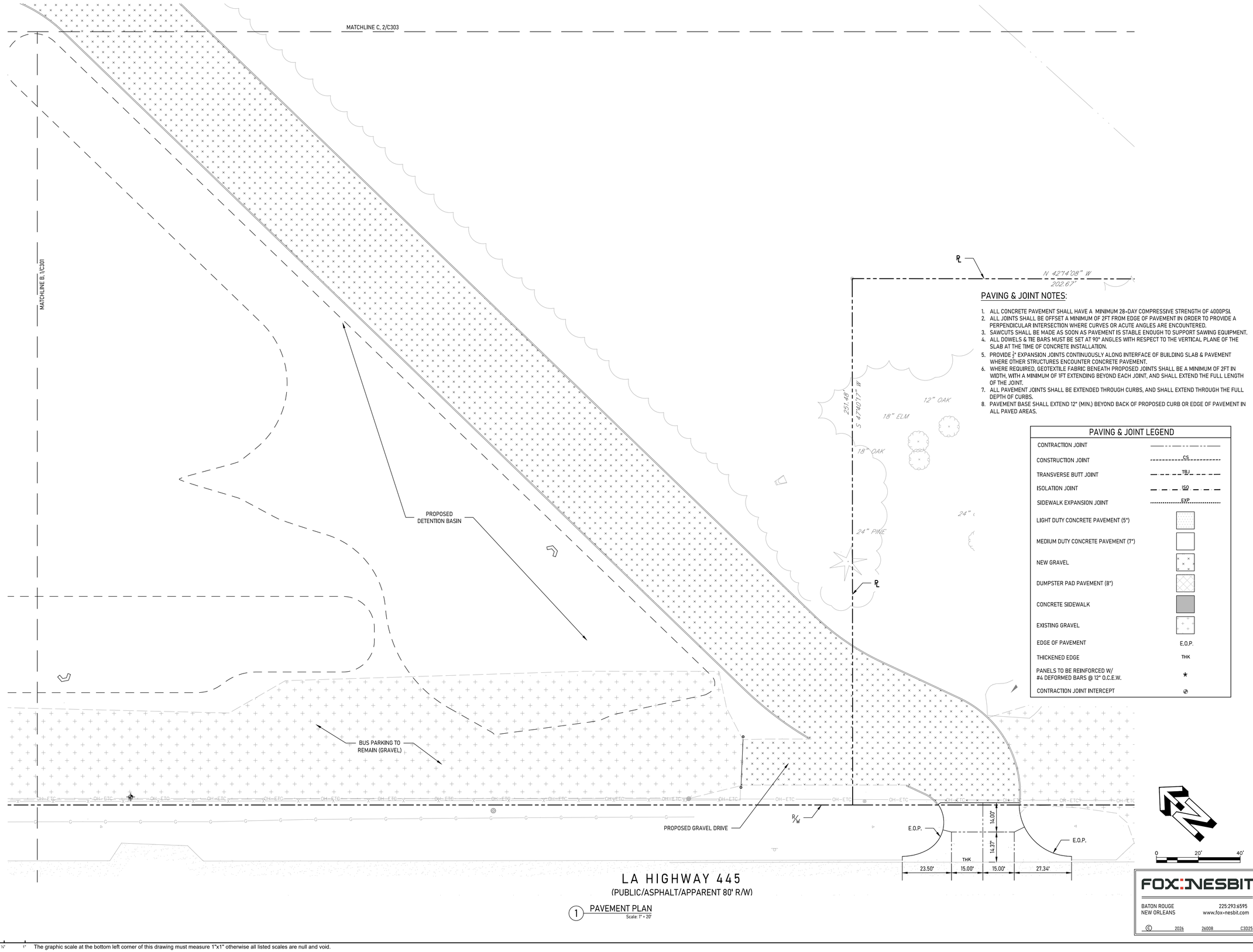
BID DOCUMENTS

C302

PAVEMENT PLAN

H/S

6" 3" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



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PAVING & JOINT LEGEND

CONTRACTION JOINT	
CONSTRUCTION JOINT	CS
TRANSVERSE BUTT JOINT	TBJ
ISOLATION JOINT	ISO
SIDEWALK EXPANSION JOINT	EXP
LIGHT DUTY CONCRETE PAVEMENT (5")	
MEDIUM DUTY CONCRETE PAVEMENT (7")	
NEW GRAVEL	
DUMPSTER PAD PAVEMENT (8")	
CONCRETE SIDEWALK	
EXISTING GRAVEL	
EDGE OF PAVEMENT	E.O.P.
THICKENED EDGE	THK
PANELS TO BE REINFORCED W/ #4 DEFORMED BARS @ 12" O.C.E.W.	*
CONTRACTION JOINT INTERCEPT	

1 PAVEMENT PLAN
Scale: 1" = 20'

1"
½"
0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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BID DOCUMENTS

C303

PAVEMENT PLAN

H/S

GRADING NOTES:

1. UNLESS OTHERWISE SPECIFIED, FINISHED GRADE AT PERIMETER OF PROPOSED PAVEMENT SHALL SLOPE TO EXISTING GRADE AT A MAXIMUM SLOPE OF 4H:1V.
2. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS AT ALL TIMES.
3. GRADES SHOWN HEREON REPRESENT THE GRADE OF THE FINISHED SURFACE. CONTRACTOR SHALL ACCOUNT FOR DEPTHS OF GRASS, LANDSCAPING, OR OTHER IMPROVEMENTS WHEN SETTING NEW GRADES.
4. ALL EXISTING ELEVATIONS ANNOTATED WITH 'EG' SHALL BE VERIFIED PRIOR TO THE INSTALLATION OF THE ASSOCIATED PROPOSED FEATURE. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY IF ANY DISCREPANCIES EXIST.
5. EROSION CONTROL BLANKET SHALL BE PROVIDED ON ALL EMBANKMENTS AND FINISHED GREENSPACE SLOPES EXCEEDING 5% (20H:1V) WHERE NO SOD OR OTHER PERMANENT MEANS OF STABILIZATION ARE SPECIFIED.
6. ECB INSTALLATION SHALL TAKE PLACE IMMEDIATELY FOLLOWING THE COMPLETION OF GRADING ACTIVITIES. CONTRACTOR SHALL RE-GRADE ANY AREAS OF EROSION OR INCONSISTENT SLOPES PRIOR TO INSTALLATION.
7. PROVIDE POSITIVE DRAINAGE AROUND ALL EQUIPMENT PADS & FOUNDATIONS. VERIFY EQUIPMENT PAD LAYOUTS WITH M.E.P. PLANS & ADJUST GRADES AS NEEDED.
8. FINISHED SLOPES WITHIN ADA PARKING AND ACCESS AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION.
9. SLOPE ALL INTERIOR LANDSCAPE ISLANDS TO DRAIN OVER ADJACENT CURBS.

GRADING LEGEND

PROPOSED FINISHED GRADE	× 23.00
PROPOSED TOP OF CURB ELEVATION / PROPOSED PAVEMENT ELEVATION	× 23.50 / 23.00
MATCH EXISTING GRADE	× 23.00 EG
EXISTING ELEVATION	× 23.00
EXISTING CONTOUR	23
PROPOSED CONTOUR	23
RIDGE LINE	
GRADING LINE	G.L.
CONCRETE DRAINAGE STRUCTURES	
POLYMER YARD DRAINS	
DIRECTION OF OVERLAND FLOW	
PROPOSED SWALE CENTERLINE	

CLASSROOM WING
±10,950 SF
(SEE ARCH. PLANS)
FFE = 26.00'

34.747 ACRE TRACT (1,513,600 sq.ft.)

LA HIGHWAY 445
(PUBLIC/ASPHALT/APPARENT 80' R/W)

MATCHLINE A, 1/C402

MATCHLINE B, 1/C403

POND 1

1 GRADING PLAN
Scale: 1" = 20'

0 20' 40'

1" ½" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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BID DOCUMENTS

C401

GRADING PLAN

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NEW ORLEANS www.fox-nesbit.com
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GRADING LEGEND

PROPOSED FINISHED GRADE	× 23.00
PROPOSED TOP OF CURB ELEVATION / PROPOSED PAVEMENT ELEVATION	× 23.50 / 23.00
MATCH EXISTING GRADE	× 23.00 EG
EXISTING ELEVATION	× 23.00
EXISTING CONTOUR	23
PROPOSED CONTOUR	23
RIDGE LINE	
GRADING LINE	GL
CONCRETE DRAINAGE STRUCTURES	
POLYMER YARD DRAINS	
DIRECTION OF OVERLAND FLOW	
PROPOSED SWALE CENTERLINE	

GRADING NOTES:

1. UNLESS OTHERWISE SPECIFIED, FINISHED GRADE AT PERIMETER OF PROPOSED PAVEMENT SHALL SLOPE TO EXISTING GRADE AT A MAXIMUM SLOPE OF 4H:1V.
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3. GRADES SHOWN HEREON REPRESENT THE GRADE OF THE FINISHED SURFACE. CONTRACTOR SHALL ACCOUNT FOR DEPTHS OF GRASS, LANDSCAPING, OR OTHER IMPROVEMENTS WHEN SETTING NEW GRADES.
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5. EROSION CONTROL BLANKET SHALL BE PROVIDED ON ALL EMBANKMENTS AND FINISHED GREENSPACE SLOPES EXCEEDING 5% (20H:1V) WHERE NO SOD OR OTHER PERMANENT MEANS OF STABILIZATION ARE SPECIFIED.
6. ECB INSTALLATION SHALL TAKE PLACE IMMEDIATELY FOLLOWING THE COMPLETION OF GRADING ACTIVITIES. CONTRACTOR SHALL RE-GRADE ANY AREAS OF EROSION OR INCONSISTENT SLOPES PRIOR TO INSTALLATION.
7. PROVIDE POSITIVE DRAINAGE AROUND ALL EQUIPMENT PADS & FOUNDATIONS. VERIFY EQUIPMENT PAD LAYOUTS WITH M.E.P. PLANS & ADJUST GRADES AS NEEDED.
8. FINISHED SLOPES WITHIN ADA PARKING AND ACCESS AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION.
9. SLOPE ALL INTERIOR LANDSCAPE ISLANDS TO DRAIN OVER ADJACENT CURBS.

EXISTING POND 3

EXPANDED POND 3

TOP BANK = 23.00

TOE = 21.75

21.70

21.75

21.80

22.00

23.10

2 C404

23.85 23.70 23.55 23.40 23.25

24.00 24.00 24.25 24.25 24.25

25.05 EG

25.00 24.50 25.00 24.50 25.25 24.75 24.75 25.00

22.50 24.50 22.60

25.00 EG

24.25 24.25 24.25 24.50

23.15 23.05 23.00 23.25

25.20

PARKING LOT (TYP.)

MATCHLINE A, 1/C401

1 GRADING PLAN
Scale: 1" = 20'

0 20' 40'

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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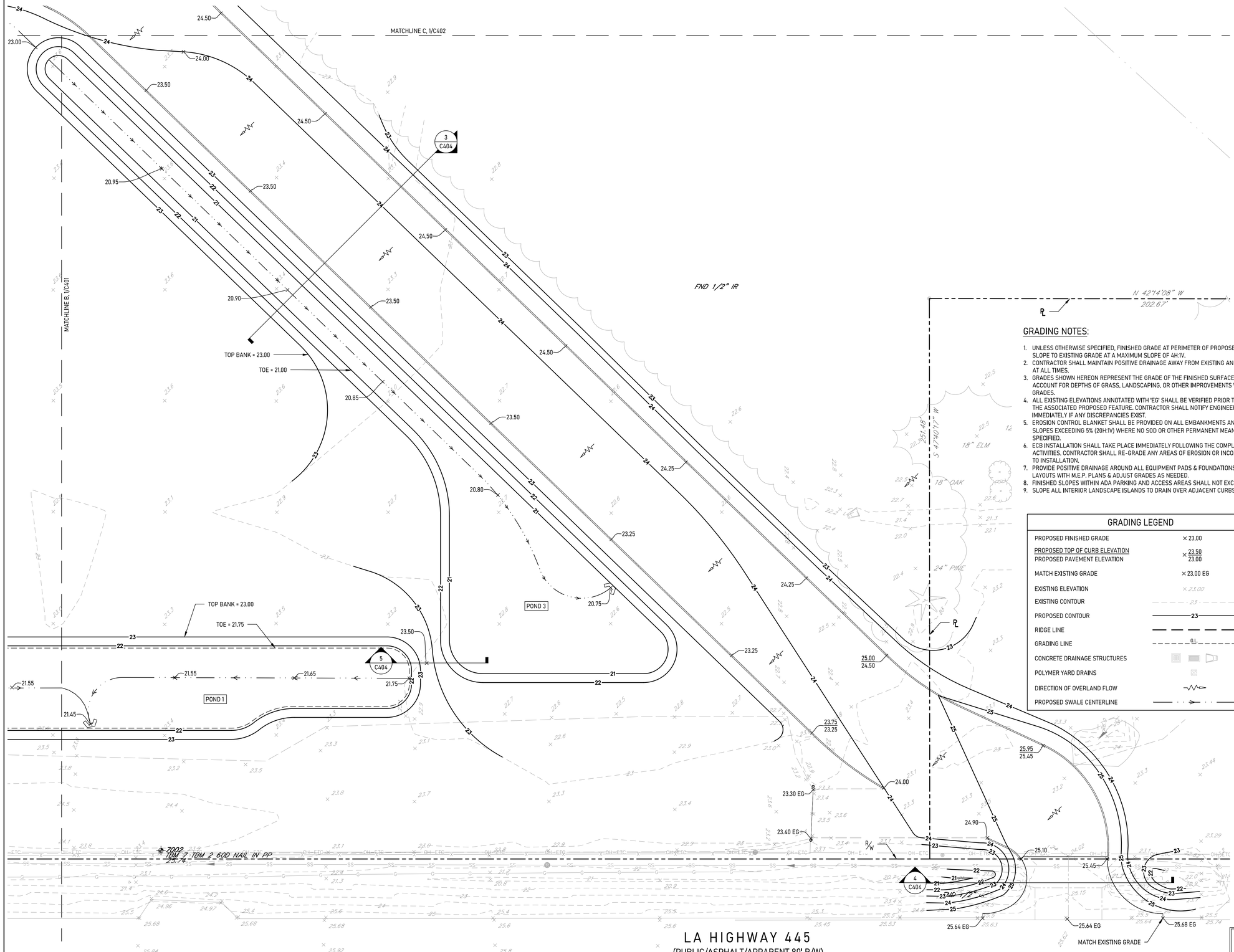
BID DOCUMENTS

C402

GRADING PLAN

H/S



1 GRADING PLAN
Scale: 1" = 20'

GRADING NOTES:

1. UNLESS OTHERWISE SPECIFIED, FINISHED GRADE AT PERIMETER OF PROPOSED PAVEMENT SHALL SLOPE TO EXISTING GRADE AT A MAXIMUM SLOPE OF 4H:1V.
2. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS AT ALL TIMES.
3. GRADES SHOWN HEREON REPRESENT THE GRADE OF THE FINISHED SURFACE. CONTRACTOR SHALL ACCOUNT FOR DEPTHS OF GRASS, LANDSCAPING, OR OTHER IMPROVEMENTS WHEN SETTING NEW GRADES.
4. ALL EXISTING ELEVATIONS ANNOTATED WITH 'EG' SHALL BE VERIFIED PRIOR TO THE INSTALLATION OF THE ASSOCIATED PROPOSED FEATURE. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY IF ANY DISCREPANCIES EXIST.
5. EROSION CONTROL BLANKET SHALL BE PROVIDED ON ALL EMBANKMENTS AND FINISHED GREENSPACE SLOPES EXCEEDING 5% (20H:1V) WHERE NO SOD OR OTHER PERMANENT MEANS OF STABILIZATION ARE SPECIFIED.
6. ECB INSTALLATION SHALL TAKE PLACE IMMEDIATELY FOLLOWING THE COMPLETION OF GRADING ACTIVITIES. CONTRACTOR SHALL RE-GRADE ANY AREAS OF EROSION OR INCONSISTENT SLOPES PRIOR TO INSTALLATION.
7. PROVIDE POSITIVE DRAINAGE AROUND ALL EQUIPMENT PADS & FOUNDATIONS. VERIFY EQUIPMENT PAD LAYOUTS WITH M.E.P. PLANS & ADJUST GRADES AS NEEDED.
8. FINISHED SLOPES WITHIN ADA PARKING AND ACCESS AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION.
9. SLOPE ALL INTERIOR LANDSCAPE ISLANDS TO DRAIN OVER ADJACENT CURBS.

GRADING LEGEND

PROPOSED FINISHED GRADE	× 23.00
PROPOSED TOP OF CURB ELEVATION PROPOSED PAVEMENT ELEVATION	× 23.50 23.00
MATCH EXISTING GRADE	× 23.00 EG
EXISTING ELEVATION	× 23.00
EXISTING CONTOUR	23
PROPOSED CONTOUR	23
RIDGE LINE	
GRADING LINE	G.L.
CONCRETE DRAINAGE STRUCTURES	
POLYMER YARD DRAINS	
DIRECTION OF OVERLAND FLOW	
PROPOSED SWALE CENTERLINE	

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BID DOCUMENTS

C403

GRADING PLAN

H/S

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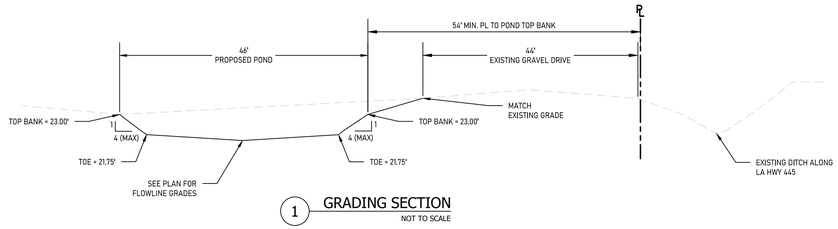

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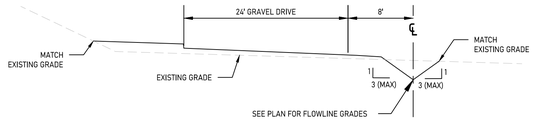
NOT TO SCALE



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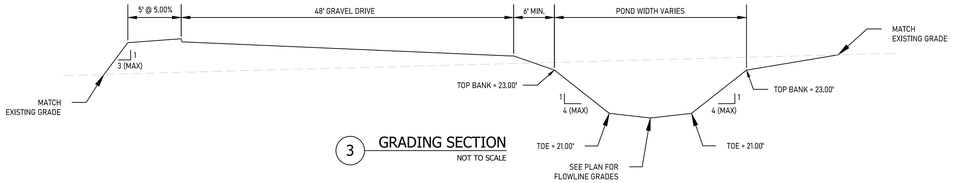

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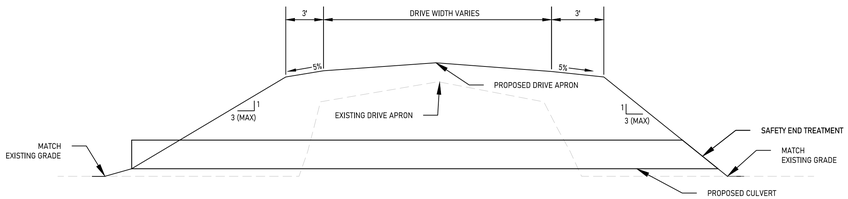

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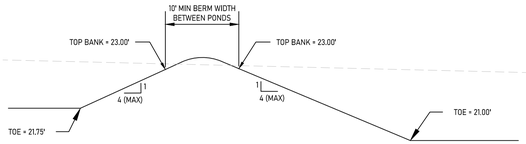

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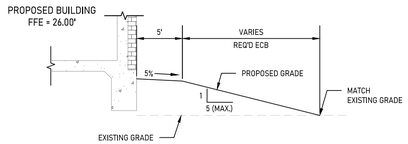
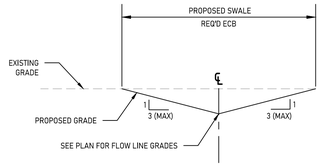


6 TYPICAL GRADING SECTION
NOT TO SCALE



7 TYPICAL SWALE SECTION
NOT TO SCALE

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER
CIVIL
CERTIFIED

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

0 20' 40'

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C404

GRADING PLAN

H/S

1"
½"
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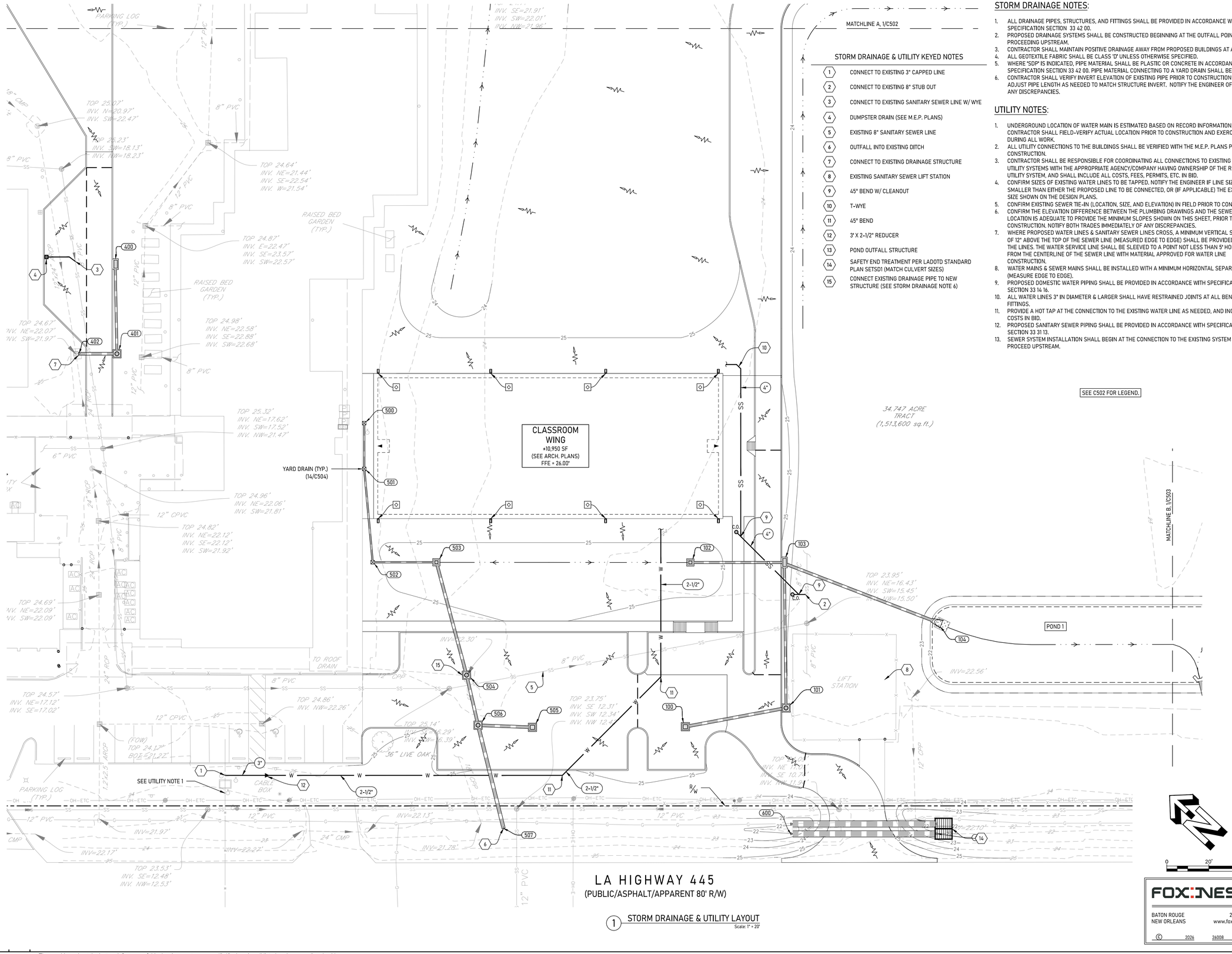

1 STORM DRAINAGE & UTILITY LAYOUT
Scale: 1" = 20'

STORM DRAINAGE & UTILITY KEYED NOTES

1	CONNECT TO EXISTING 3" CAPPED LINE
2	CONNECT TO EXISTING 8" STUB OUT
3	CONNECT TO EXISTING SANITARY SEWER LINE W/ WYE
4	DUMPSTER DRAIN (SEE M.E.P. PLANS)
5	EXISTING 8" SANITARY SEWER LINE
6	OUTFALL INTO EXISTING DITCH
7	CONNECT TO EXISTING DRAINAGE STRUCTURE
8	EXISTING SANITARY SEWER LIFT STATION
9	45° BEND W/ CLEANOUT
10	T-WYE
11	45° BEND
12	3" X 2-1/2" REDUCER
13	POND OUTFALL STRUCTURE
14	SAFETY END TREATMENT PER LADOTD STANDARD PLAN SETSD1 (MATCH CULVERT SIZES)
15	CONNECT EXISTING DRAINAGE PIPE TO NEW STRUCTURE (SEE STORM DRAINAGE NOTE 6)

STORM DRAINAGE NOTES:

1. ALL DRAINAGE PIPES, STRUCTURES, AND FITTINGS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00.
2. PROPOSED DRAINAGE SYSTEMS SHALL BE CONSTRUCTED BEGINNING AT THE OUTFALL POINT AND PROCEEDING UPSTREAM.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM PROPOSED BUILDINGS AT ALL TIMES.
4. ALL GEOTEXTILE FABRIC SHALL BE CLASS 'D' UNLESS OTHERWISE SPECIFIED.
5. WHERE 'SDP' IS INDICATED, PIPE MATERIAL SHALL BE PLASTIC OR CONCRETE IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00. PIPE MATERIAL CONNECTING TO A YARD DRAIN SHALL BE PLASTIC.
6. CONTRACTOR SHALL VERIFY INVERT ELEVATION OF EXISTING PIPE PRIOR TO CONSTRUCTION AND ADJUST PIPE LENGTH AS NEEDED TO MATCH STRUCTURE INVERT. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.

UTILITY NOTES:

1. UNDERGROUND LOCATION OF WATER MAIN IS ESTIMATED BASED ON RECORD INFORMATION. CONTRACTOR SHALL FIELD-VERIFY ACTUAL LOCATION PRIOR TO CONSTRUCTION AND EXERCISE CAUTION DURING ALL WORK.
2. ALL UTILITY CONNECTIONS TO THE BUILDINGS SHALL BE VERIFIED WITH THE M.E.P. PLANS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONNECTIONS TO EXISTING PUBLIC UTILITY SYSTEMS WITH THE APPROPRIATE AGENCY/COMPANY HAVING OWNERSHIP OF THE RESPECTIVE UTILITY SYSTEM, AND SHALL INCLUDE ALL COSTS, FEES, PERMITS, ETC. IN BID.
4. CONFIRM SIZES OF EXISTING WATER LINES TO BE TAPPED. NOTIFY THE ENGINEER IF LINE SIZE IS SMALLER THAN EITHER THE PROPOSED LINE TO BE CONNECTED, OR (IF APPLICABLE) THE EXISTING LINE SIZE SHOWN ON THE DESIGN PLANS.
5. CONFIRM EXISTING SEWER TIE-IN (LOCATION, SIZE, AND ELEVATION) IN FIELD PRIOR TO CONSTRUCTION.
6. CONFIRM THE ELEVATION DIFFERENCE BETWEEN THE PLUMBING DRAWINGS AND THE SEWER TIE-IN LOCATION IS ADEQUATE TO PROVIDE THE MINIMUM SLOPES SHOWN ON THIS SHEET, PRIOR TO CONSTRUCTION. NOTIFY BOTH TRADES IMMEDIATELY OF ANY DISCREPANCIES.
7. WHERE PROPOSED WATER LINES & SANITARY SEWER LINES CROSS, A MINIMUM VERTICAL SEPARATION OF 12" ABOVE THE TOP OF THE SEWER LINE (MEASURED EDGE TO EDGE) SHALL BE PROVIDED BETWEEN THE LINES. THE WATER SERVICE LINE SHALL BE SLEEVED TO A POINT NOT LESS THAN 5' HORIZONTALLY FROM THE CENTERLINE OF THE SEWER LINE WITH MATERIAL APPROVED FOR WATER LINE CONSTRUCTION.
8. WATER MAINS & SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SEPARATION OF 5' (MEASURE EDGE TO EDGE).
9. PROPOSED DOMESTIC WATER PIPING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 14 16.
10. ALL WATER LINES 3" IN DIAMETER & LARGER SHALL HAVE RESTRAINED JOINTS AT ALL BENDS & FITTINGS.
11. PROVIDE A HOT TAP AT THE CONNECTION TO THE EXISTING WATER LINE AS NEEDED, AND INCLUDE ALL COSTS IN BID.
12. PROPOSED SANITARY SEWER PIPING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 31 13.
13. SEWER SYSTEM INSTALLATION SHALL BEGIN AT THE CONNECTION TO THE EXISTING SYSTEM & SHALL PROCEED UPSTREAM.

0 20' 40'

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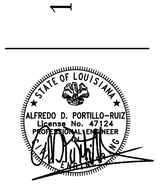
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2



NO.	DESCRIPTION	DATE

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DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

C501

STORM DRAINAGE & UTILITY LAYOUT

H/S

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STORM DRAINAGE & UTILITY LEGEND

EXISTING ELEVATION	× 23.00
PROPOSED CONTOUR	23
EXISTING CONTOUR	23
RIDGE LINE	
PROPOSED SWALE CENTERLINE	
STORM DRAINAGE PIPE	
DIRECTION OF OVERLAND FLOW	
EXISTING SANITARY SEWER LINE	SS
EXISTING OVERHEAD POWER LINE	OH–E
EXISTING GAS LINE	G
DOMESTIC WATER LINE	W
SANITARY SEWER LINE	SS
PRECAST DRAINAGE STRUCTURES (1/C504)	
DRAINAGE STRUCTURE CALLOUT	#
REQUIRED CLEANOUT (5/C504)	CO
DOWNSPOUT DISCHARGE AT GRADE (12/C504)	
KEYED NOTE	#
SEE M.E.P. FOR CONTINUATION	~
UTILITY LINE DIAMETER	X"
RIP RAP PAD (8/C504)	

DRAINAGE STRUCTURE TABLE

STRUCTURE	TYPE	RIM ELEV.	INV. IN	INV. OUT	OUTFLOW PIPE
100	2X2 DI	24.00		22.04 (101)	12" RCP x 45' @ 0.15%
101	STORM MANHOLE	24.80	21.97 (100)	21.97 (103)	12" SDP x 65' @ 0.15%
102	18" DI	24.25		21.94 (103)	12" SDP x 41' @ 0.15%
103	CURB INLET	24.75	21.87 (101) 21.87 (102)	21.87 (104)	15" SDP x 76' @ 0.15%
104	FLARED END		21.75 (103)		
200	PIPE IN			22.50 (201)	15" RCP x 5' @ 0.65%
201	STORM MANHOLE	24.50	22.45 (200)	21.89 (202)	24" RCPA x 90' @ 0.10%
202	FLARED END		21.80 (201)		
300	HEADWALL			20.75 (301)	12" RCP x 110' @ 0.20%
301	FLARED END		20.53 (300)		
400	CURB INLET	25.00		22.33 (401)	12" SDP x 39' @ 0.20%
401	STORM MANHOLE	25.25	22.25 (400)	22.20 (402)	12" RCP x 16' @ 0.20%
402	PIPE OUT		22.16 (401)		
500	YARD DRAIN	25.75		22.19 (501)	8" SDP x 20' @ 0.20%
501	YARD DRAIN	25.75	22.15 (500)	22.15 (502)	8" SDP x 43' @ 0.20%
502	YARD DRAIN	25.40	22.06 (501)	22.06 (503)	8" SDP x 29' @ 0.20%

DRAINAGE STRUCTURE TABLE

STRUCTURE	TYPE	RIM ELEV.	INV. IN	INV. OUT	OUTFLOW PIPE
503	18" DI	24.25	22.00 (502)	22.00 (504)	12" RCP x 53' @ 0.18%
504	STORM MANHOLE	24.45	21.90 (503)	21.90 (506)	12" RCP x 20' @ 0.20%
505	2X2 DI	23.85		21.90 (506)	12" SDP x 22' @ 0.20%
506	STORM MANHOLE	24.20	21.85 (504) 21.85 (505)	21.85 (507)	15" RCP x 48' @ 0.20%
507	PIPE OUT		21.75 (506)		
600	PIPE IN			21.90 (601)	2 x 24" RCPA x 68' @ 0.15%
601	PIPE OUT		21.80 (600)		
602	PIPE IN			20.90 (603)	42" RCPA x 96' @ 0.15%
603	PIPE OUT		20.75 (602)		
700	HEADWALL			21.45 (701)	15" RCP x 70' @ 0.20%
701	PIPE OUT		21.31 (700)		

STORM DRAINAGE & UTILITY KEYED NOTES

1. CONNECT TO EXISTING 3" CAPPED LINE
2. CONNECT TO EXISTING 8" STUB OUT
3. CONNECT TO EXISTING SANITARY SEWER LINE W/ WYE
4. DUMPSTER DRAIN (SEE M.E.P. PLANS)
5. EXISTING 8" SANITARY SEWER LINE
6. OUTFALL INTO EXISTING DITCH
7. CONNECT TO EXISTING DRAINAGE STRUCTURE
8. EXISTING SANITARY SEWER LIFT STATION
9. 45° BEND W/ CLEANOUT
10. T-WYE
11. 45° BEND
12. 3" X 2-1/2" REDUCER
13. POND OUTFALL STRUCTURE
14. SAFETY END TREATMENT PER LADOTD STANDARD PLAN SETSD1 (MATCH CULVERT SIZES)
15. CONNECT EXISTING DRAINAGE PIPE TO NEW STRUCTURE (SEE STORM DRAINAGE NOTE 6)

STORM DRAINAGE NOTES:

1. ALL DRAINAGE PIPES, STRUCTURES, AND FITTINGS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00.
2. PROPOSED DRAINAGE SYSTEMS SHALL BE CONSTRUCTED BEGINNING AT THE OUTFALL POINT AND PROCEEDING UPSTREAM.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM PROPOSED BUILDINGS AT ALL TIMES.
4. ALL GEOTEXTILE FABRIC SHALL BE CLASS 'D' UNLESS OTHERWISE SPECIFIED.
5. WHERE 'SDP' IS INDICATED, PIPE MATERIAL SHALL BE PLASTIC OR CONCRETE IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00. PIPE MATERIAL CONNECTING TO A YARD DRAIN SHALL BE PLASTIC.
6. CONTRACTOR SHALL VERIFY INVERT ELEVATION OF EXISTING PIPE PRIOR TO CONSTRUCTION AND ADJUST PIPE LENGTH AS NEEDED TO MATCH STRUCTURE INVERT. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.

UTILITY NOTES:

1. UNDERGROUND LOCATION OF WATER MAIN IS ESTIMATED BASED ON RECORD INFORMATION. CONTRACTOR SHALL FIELD-VERIFY ACTUAL LOCATION PRIOR TO CONSTRUCTION AND EXERCISE CAUTION DURING ALL WORK.
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4. CONFIRM SIZES OF EXISTING WATER LINES TO BE TAPPED. NOTIFY THE ENGINEER IF LINE SIZE IS SMALLER THAN EITHER THE PROPOSED LINE TO BE CONNECTED, OR (IF APPLICABLE) THE EXISTING LINE SIZE SHOWN ON THE DESIGN PLANS.
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6. CONFIRM THE ELEVATION DIFFERENCE BETWEEN THE PLUMBING DRAWINGS AND THE SEWER TIE-IN LOCATION IS ADEQUATE TO PROVIDE THE MINIMUM SLOPES SHOWN ON THIS SHEET, PRIOR TO CONSTRUCTION. NOTIFY BOTH TRADES IMMEDIATELY OF ANY DISCREPANCIES.
7. WHERE PROPOSED WATER LINES & SANITARY SEWER LINES CROSS, A MINIMUM VERTICAL SEPARATION OF 12" ABOVE THE TOP OF THE SEWER LINE (MEASURED EDGE TO EDGE) SHALL BE PROVIDED BETWEEN THE LINES. THE WATER SERVICE LINE SHALL BE SLEEVED TO A POINT NOT LESS THAN 5' HORIZONTALLY FROM THE CENTERLINE OF THE SEWER LINE WITH MATERIAL APPROVED FOR WATER LINE CONSTRUCTION.
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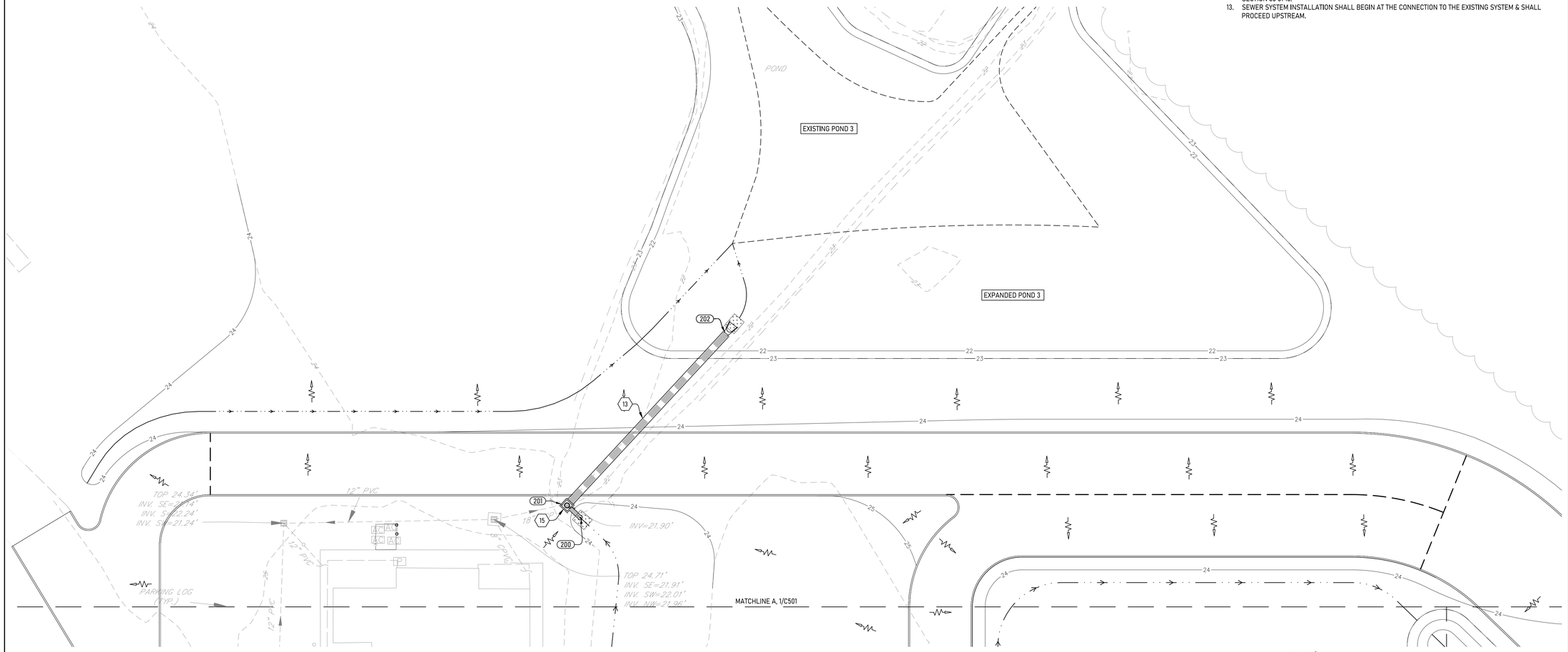
11. PROVIDE A HOT TAP AT THE CONNECTION TO THE EXISTING WATER LINE AS NEEDED, AND INCLUDE ALL COSTS IN BID.
12. PROPOSED SANITARY SEWER PIPING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 31 13.
13. SEWER SYSTEM INSTALLATION SHALL BEGIN AT THE CONNECTION TO THE EXISTING SYSTEM & SHALL PROCEED UPSTREAM.



1 STORM DRAINAGE & UTILITY LAYOUT
Scale: 1" = 20'

0 20' 40'

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1" 1/2" 0" 1/2" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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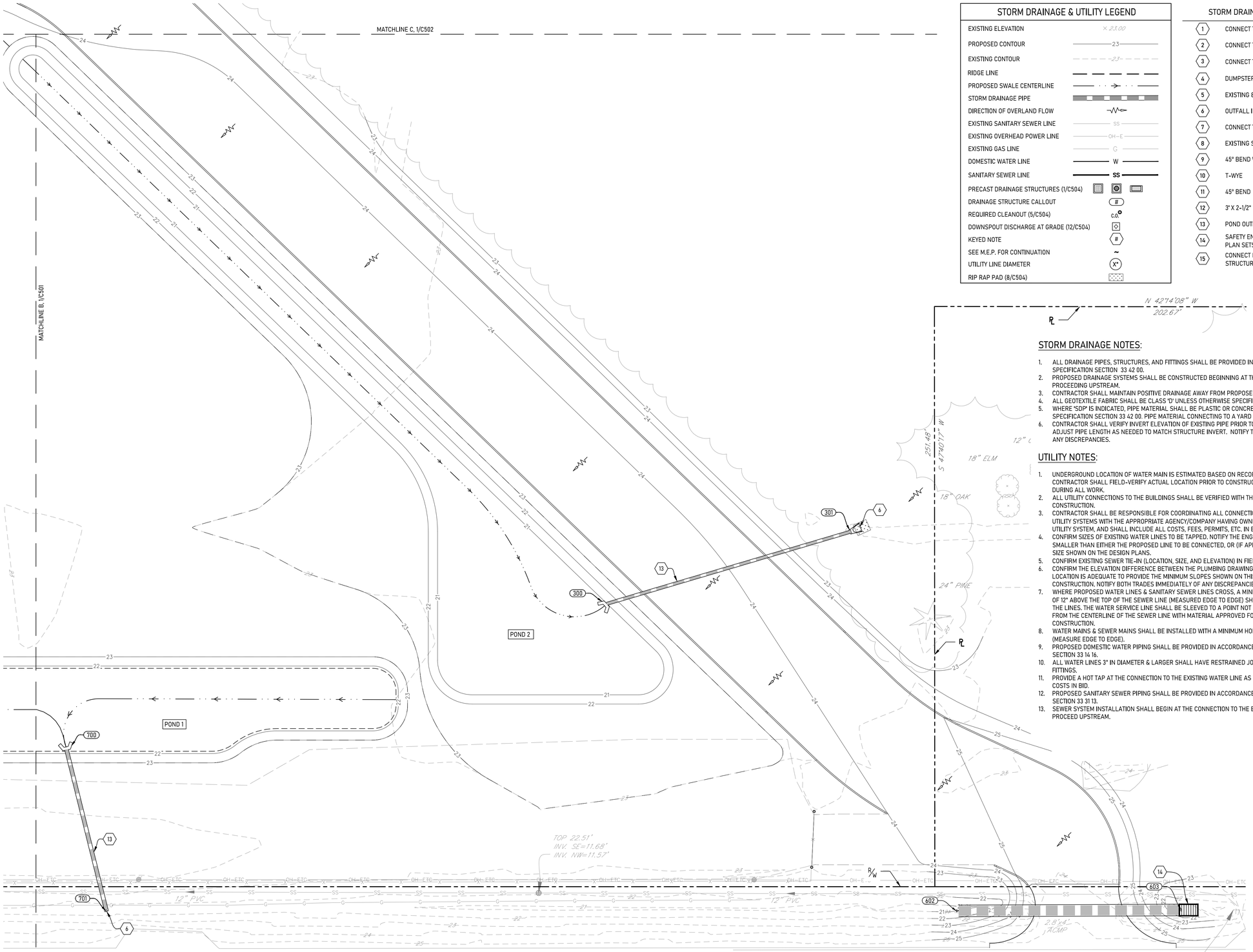
BID DOCUMENTS

C502

STORM DRAINAGE & UTILITY LAYOUT

H/S



STORM DRAINAGE & UTILITY LEGEND

EXISTING ELEVATION	× 23.00
PROPOSED CONTOUR	23
EXISTING CONTOUR	23
RIDGE LINE	
PROPOSED SWALE CENTERLINE	
STORM DRAINAGE PIPE	
DIRECTION OF OVERLAND FLOW	
EXISTING SANITARY SEWER LINE	SS
EXISTING OVERHEAD POWER LINE	OH-E
EXISTING GAS LINE	G
DOMESTIC WATER LINE	W
SANITARY SEWER LINE	SS
PRECAST DRAINAGE STRUCTURES (1/C504)	
DRAINAGE STRUCTURE CALLOUT	#
REQUIRED CLEANOUT (5/C504)	C.O.
DOWNSPOUT DISCHARGE AT GRADE (12/C504)	
KEYED NOTE	#
SEE M.E.P. FOR CONTINUATION	~
UTILITY LINE DIAMETER	X"
RIP RAP PAD (8/C504)	

STORM DRAINAGE & UTILITY KEYED NOTES

1. CONNECT TO EXISTING 3" CAPPED LINE
2. CONNECT TO EXISTING 8" STUB OUT
3. CONNECT TO EXISTING SANITARY SEWER LINE W/ WYE
4. DUMPSTER DRAIN (SEE M.E.P. PLANS)
5. EXISTING 8" SANITARY SEWER LINE
6. OUTFALL INTO EXISTING DITCH
7. CONNECT TO EXISTING DRAINAGE STRUCTURE
8. EXISTING SANITARY SEWER LIFT STATION
9. 45° BEND W/ CLEANOUT
10. T-WYE
11. 45° BEND
12. 3" X 2-1/2" REDUCER
13. POND OUTFALL STRUCTURE
14. SAFETY END TREATMENT PER LADOTD STANDARD PLAN SETSD1 (MATCH CULVERT SIZES)
15. CONNECT EXISTING DRAINAGE PIPE TO NEW STRUCTURE (SEE STORM DRAINAGE NOTE 6)

STORM DRAINAGE NOTES:

1. ALL DRAINAGE PIPES, STRUCTURES, AND FITTINGS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00.
2. PROPOSED DRAINAGE SYSTEMS SHALL BE CONSTRUCTED BEGINNING AT THE OUTFALL POINT AND PROCEEDING UPSTREAM.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM PROPOSED BUILDINGS AT ALL TIMES.
4. ALL GEOTEXTILE FABRIC SHALL BE CLASS 'D' UNLESS OTHERWISE SPECIFIED.
5. WHERE 'SDP' IS INDICATED, PIPE MATERIAL SHALL BE PLASTIC OR CONCRETE IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00. PIPE MATERIAL CONNECTING TO A YARD DRAIN SHALL BE PLASTIC.
6. CONTRACTOR SHALL VERIFY INVERT ELEVATION OF EXISTING PIPE PRIOR TO CONSTRUCTION AND ADJUST PIPE LENGTH AS NEEDED TO MATCH STRUCTURE INVERT. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES.

UTILITY NOTES:

1. UNDERGROUND LOCATION OF WATER MAIN IS ESTIMATED BASED ON RECORD INFORMATION. CONTRACTOR SHALL FIELD-VERIFY ACTUAL LOCATION PRIOR TO CONSTRUCTION AND EXERCISE CAUTION DURING ALL WORK.
2. ALL UTILITY CONNECTIONS TO THE BUILDINGS SHALL BE VERIFIED WITH THE M.E.P. PLANS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONNECTIONS TO EXISTING PUBLIC UTILITY SYSTEMS WITH THE APPROPRIATE AGENCY/COMPANY HAVING OWNERSHIP OF THE RESPECTIVE UTILITY SYSTEM, AND SHALL INCLUDE ALL COSTS, FEES, PERMITS, ETC. IN BID.
4. CONFIRM SIZES OF EXISTING WATER LINES TO BE TAPPED. NOTIFY THE ENGINEER IF LINE SIZE IS SMALLER THAN EITHER THE PROPOSED LINE TO BE CONNECTED, OR (IF APPLICABLE) THE EXISTING LINE SIZE SHOWN ON THE DESIGN PLANS.
5. CONFIRM EXISTING SEWER TIE-IN (LOCATION, SIZE, AND ELEVATION) IN FIELD PRIOR TO CONSTRUCTION.
6. CONFIRM THE ELEVATION DIFFERENCE BETWEEN THE PLUMBING DRAWINGS AND THE SEWER TIE-IN LOCATION IS ADEQUATE TO PROVIDE THE MINIMUM SLOPES SHOWN ON THIS SHEET, PRIOR TO CONSTRUCTION. NOTIFY BOTH TRADES IMMEDIATELY OF ANY DISCREPANCIES.
7. WHERE PROPOSED WATER LINES & SANITARY SEWER LINES CROSS, A MINIMUM VERTICAL SEPARATION OF 12" ABOVE THE TOP OF THE SEWER LINE (MEASURED EDGE TO EDGE) SHALL BE PROVIDED BETWEEN THE LINES. THE WATER SERVICE LINE SHALL BE SLEEVED TO A POINT NOT LESS THAN 5' HORIZONTALLY FROM THE CENTERLINE OF THE SEWER LINE WITH MATERIAL APPROVED FOR WATER LINE CONSTRUCTION.
8. WATER MAINS & SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SEPARATION OF 5' (MEASURE EDGE TO EDGE).
9. PROPOSED DOMESTIC WATER PIPING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 14 16.
10. ALL WATER LINES 3" IN DIAMETER & LARGER SHALL HAVE RESTRAINED JOINTS AT ALL BENDS & FITTINGS.
11. PROVIDE A HOT TAP AT THE CONNECTION TO THE EXISTING WATER LINE AS NEEDED, AND INCLUDE ALL COSTS IN BID.
12. PROPOSED SANITARY SEWER PIPING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 31 13.
13. SEWER SYSTEM INSTALLATION SHALL BEGIN AT THE CONNECTION TO THE EXISTING SYSTEM & SHALL PROCEED UPSTREAM.

1 STORM DRAINAGE & UTILITY LAYOUT
Scale: 1" = 20'

1"
½"
0" ½" 1"
The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER
CERTIFIED

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

C503

STORM DRAINAGE & UTILITY LAYOUT

FOX NESBIT
BATON ROUGE 225.293.6595
NEW ORLEANS www.fox-nesbit.com

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H/S

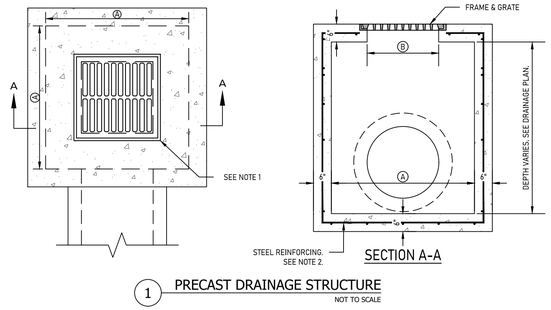
PRECAST DRAINAGE STRUCTURE NOTES:

1. DRAINAGE STRUCTURE LIDS SHALL CONSIST OF THE FOLLOWING:
   - 1.1. DROP INLETS: SLOTTED OPENINGS WITH AT LEAST 50% OPEN AREA.
   - 1.2. MANHOLES: ROUND, SOLID, WITH "DRAIN" OR SIMILAR LETTERING.
2. STEEL REINFORCING SHALL CONSIST OF THE FOLLOWING:
   - 2.1. WALLS: #5 BARS @ 12" O.C. (VERTICAL), #3 BARS @ 12" O.C. (HORIZONTAL)
   - 2.2. TOP & BOTTOM: #5 BARS @ 12 O.C. EACH WAY
3. ALL REINFORCING STEEL SHALL BE DEFORMED GRADE 60 (MINIMUM) REBAR.
4. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000PSI @ 28 DAYS (MINIMUM).
5. PIPE OPENINGS SHALL BE O.D. OF PIPE + 4"+|-.
6. ALL PIPE ENDS SHALL BE SET FLUSH WITH INTERIOR WALL FACE. PIPE ANNULAR SPACE IS TO BE GROUTED WITH NON-SHRINK GROUT AFTER INSTALLATION. GROUT INTERIOR BOTTOM OF STRUCTURE TO MATCH PIPE INVERTS.

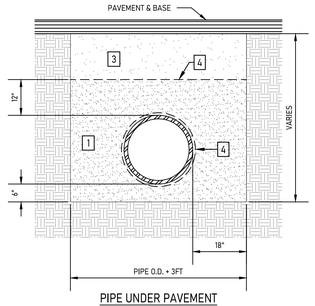
DIMENSION KEY

(A) AS REQ'D TO ACCOMMODATE FRAME & CONNECTING PIPES

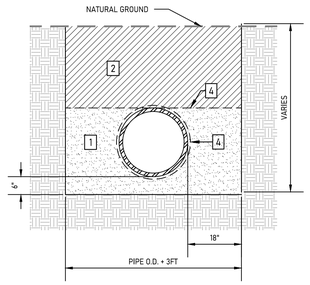
(B) 2'-0" FOR 2x2 DI
1'-6" FOR 18" DI
2'-0" (ROUND) FOR STORM MANHOLE



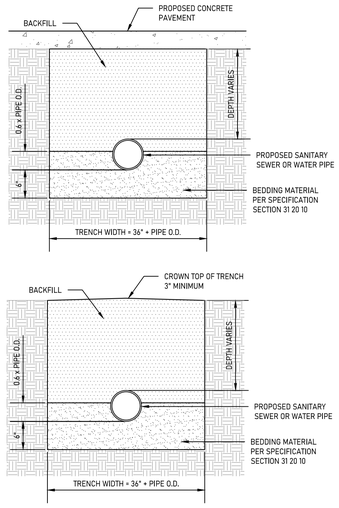
1 PRECAST DRAINAGE STRUCTURE
NOT TO SCALE



PIPE UNDER PAVEMENT



PIPE UNDER GRASS

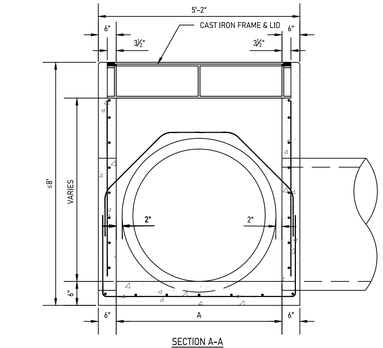


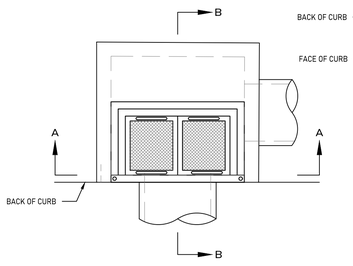
3 UTILITY PIPE BEDDING DETAILS
NOT TO SCALE

DRAINAGE BEDDING LEGEND

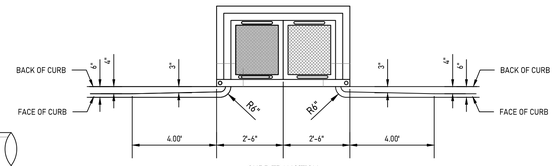
1. BEDDING MATERIAL COMPACTED TO 95% OF STANDARD PROCTOR DENSITY
2. BACKFILL MATERIAL COMPACTED TO MATCH OR EXCEED DENSITY OF SURROUNDING UNDISTURBED SOIL
3. SELECT FILL COMPACTED TO 95% OF STANDARD PROCTOR DENSITY
4. CLASS 'D' GEOTEXTILE FABRIC AT ALL JOINTS (24" MIN.) AND BETWEEN BEDDING & BACKFILL MATERIAL

2 DRAINAGE PIPE BEDDING DETAILS
NOT TO SCALE

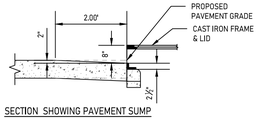




PLAN VIEW



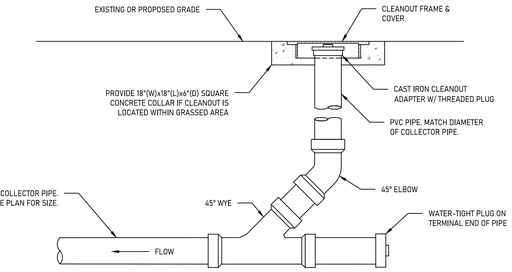
CURB TRANSITION



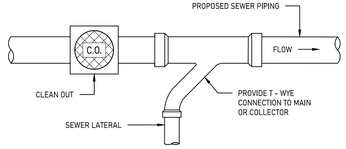
SECTION SHOWING PAVEMENT SUMP

PIPE SIZE		DIMENSION	
ROUND PIPE	ARCH PIPE (ROUND EQUIV.)	A	B
12"	---	4'-0"	2'-3"
15"	---	4'-0"	2'-3"
18"	15"	4'-0"	2'-3"
24"	18"	4'-0"	2'-10"

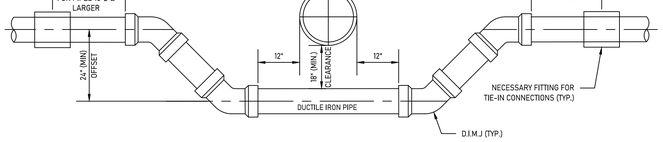
4 CONCRETE CURB INLET
NOT TO SCALE



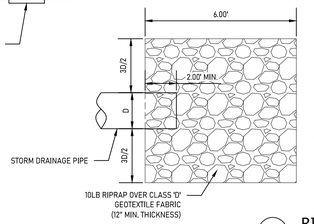
5 CLEANOUT DETAIL
NOT TO SCALE

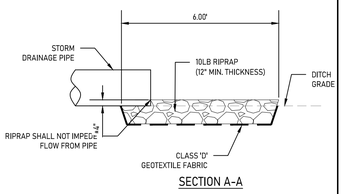


6 SEWER LINE CONNECTION
NOT TO SCALE

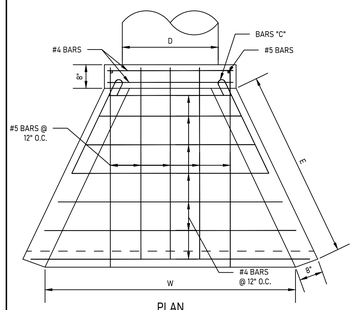


7 UTILITY OFFSETS @ GRAVITY PIPE CONFLICTS
NOT TO SCALE

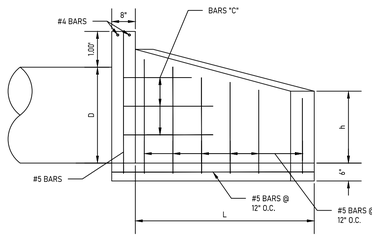




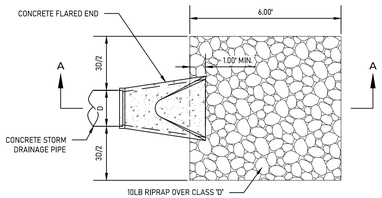
8 RIPRAP PAD DETAIL
NOT TO SCALE

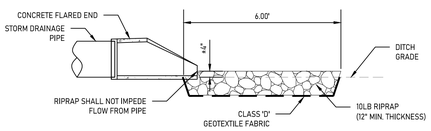


PLAN



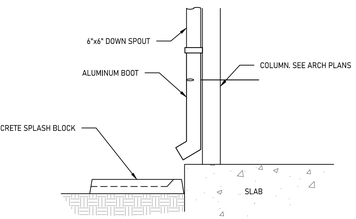
SECTION ON CENTERLINE



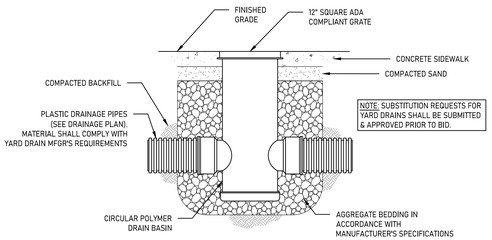


SECTION A-A

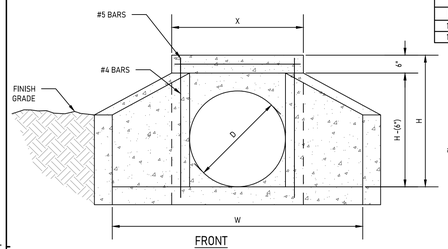
10 FLARED END WITH RIPRAP PAD
NOT TO SCALE



12 DOWNSPOUT W/ SPLASH BLOCK DETAIL
NOT TO SCALE



14 YARD DRAIN
NOT TO SCALE

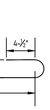


FRONT

*ADJUST DIMENSIONS AS REQUIRED FOR EQUIV. RCPA

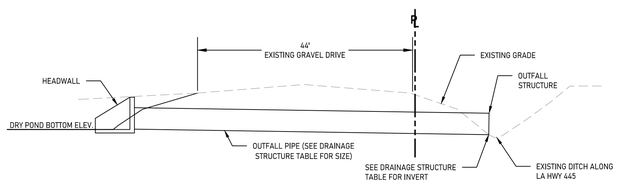
TABLE OF DIMENSIONS

D	W	X	H	h	L	E
12"	4'-2 1/2"	2'-6 1/2"	2'-0"	0'-10"	2'-9 1/4"	2'-10"
15"	5'-0 1/2"	2'-9 1/2"	2'-3"	0'-11"	3'-3 1/2"	3'-5"

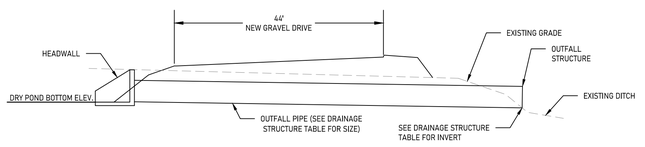


DETAIL OF BARS "C"

9 CONCRETE HEADWALL
NOT TO SCALE



11 POND OUTFALL STRUCTURE (POND 1)
NOT TO SCALE



13 POND OUTFALL STRUCTURE (POND 2)
NOT TO SCALE

0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

C504

STORM DRAINAGE & UTILITY LAYOUT

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BATON ROUGE 225.293.6595
NEW ORLEANS www.fox-nesbit.com

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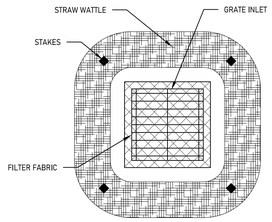
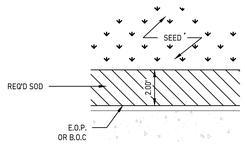
PHASE 2 EROSION CONTROL LEGEND

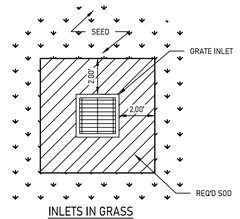
AREAS OF REQUIRED SOD	
AREAS OF REQUIRED SEED	
AREAS OF REQ'D EROSION CONTROL BLANKET & SEED	
REQUIRED 2' SOD STRIP (3/C600)	
SILT FENCE (2/C100)	
INLET PROTECTION (2/C600)	
CHECK DAMS (4/C600)	
PROPOSED CONTOUR	23
DIRECTION OF OVERLAND FLOW	
PROPERTY LINE	
RIGHT OF WAY	R/W



2 INLET PROTECTION
NOT TO SCALE



PAVEMENT

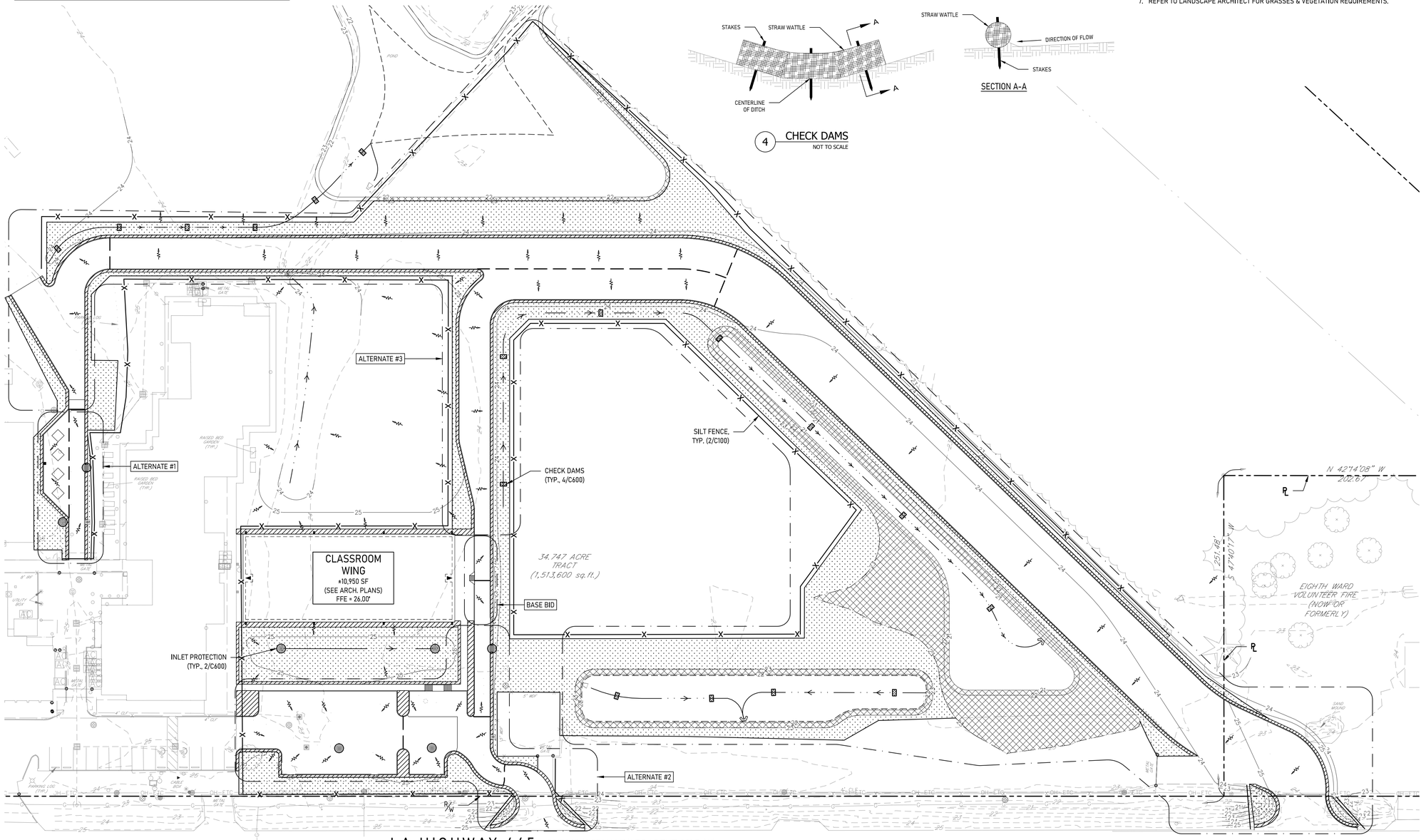


INLETS IN GRASS

3 REQ'D 2' SOD STRIP
NOT TO SCALE

4 CHECK DAMS
NOT TO SCALE

SECTION A-A



LA HIGHWAY 445 (PUBLIC/ASPHALT/APPARENT 80' R/W)

1 PHASE II EROSION CONTROL
Scale: 1" = 40'

GENERAL NOTES:

1. INFORMATION DEPICTING THE EXISTING CONDITIONS HEREON WAS TAKEN FROM "MAP SHOWING BOUNDARY & PARTIAL TOPOGRAPHIC SURVEY OF A 34.747 ACRE TRACT, LOCATED IN SECTIONS 5 & 54, T-7-S, R-9-E, GREENSBURG LAND DISTRICT, TANGIPAHOA PARISH, LOUISIANA, FOR HOLLY & SMITH ARCHITECTS, DATED FEBRUARY 05, 2026", BY LANDSOURCE INC. FOX-NESBIT ENGINEERING, LLC HAS NOT FIELD-VERIFIED THE ITEMS IDENTIFIED ON THIS SURVEY.
2. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 22105C0455F, LAST REVISED ON JULY 22, 2010, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X". FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH THE PLANNING DEPARTMENT.
3. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION TO HAVE THEIR UTILITIES LOCATED IN THE FIELD. CONTRACTOR SHALL MAKE REQUEST THROUGH LOUISIANA ONE CALL (811).

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATED TO THE CONTROL OF EROSION & PROTECTION OF RECEIVING STORMWATER SYSTEMS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING & MAINTAINING PROVISIONS OF THE STORMWATER POLLUTION PREVENTION PLAN.
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT COVER IS ESTABLISHED.
4. WITH THE EXCEPTION OF AREAS THAT ARE DESIGNATED TO BE FINISHED WITH PAVEMENT OR SOD, ALL DISTURBED AREAS SHALL BE SEEDED WITHIN SEVEN (7) DAYS AFTER THE COMPLETION OF GRADING ACTIVITIES.
5. ALL EROSION & SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED WEEKLY (AT A MINIMUM) AND AFTER EACH RAINFALL. DEFICIENT AREAS SHALL BE REPAIRED BY CONTRACTOR IMMEDIATELY.
6. PROVIDE SILT FENCE AROUND SOIL STOCKPILES THAT WILL NOT BE USED WITHIN THREE (3) DAYS FROM PLACEMENT, OR THAT SHED RUNOFF TOWARDS UNPROTECTED DRAINAGE SYSTEMS.
7. REFER TO LANDSCAPE ARCHITECT FOR GRASSES & VEGETATION REQUIREMENTS.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION AND SITE WORK - PHASE 2

STATE OF LOUISIANA
ALFREDO D. PORTILLO-RUIZ
License No. 47124
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.2026
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

C600

PHASE II EROSION CONTROL

H/S

FOX:NESBIT
BATON ROUGE 225:293:6595
NEW ORLEANS www.fox-nesbit.com

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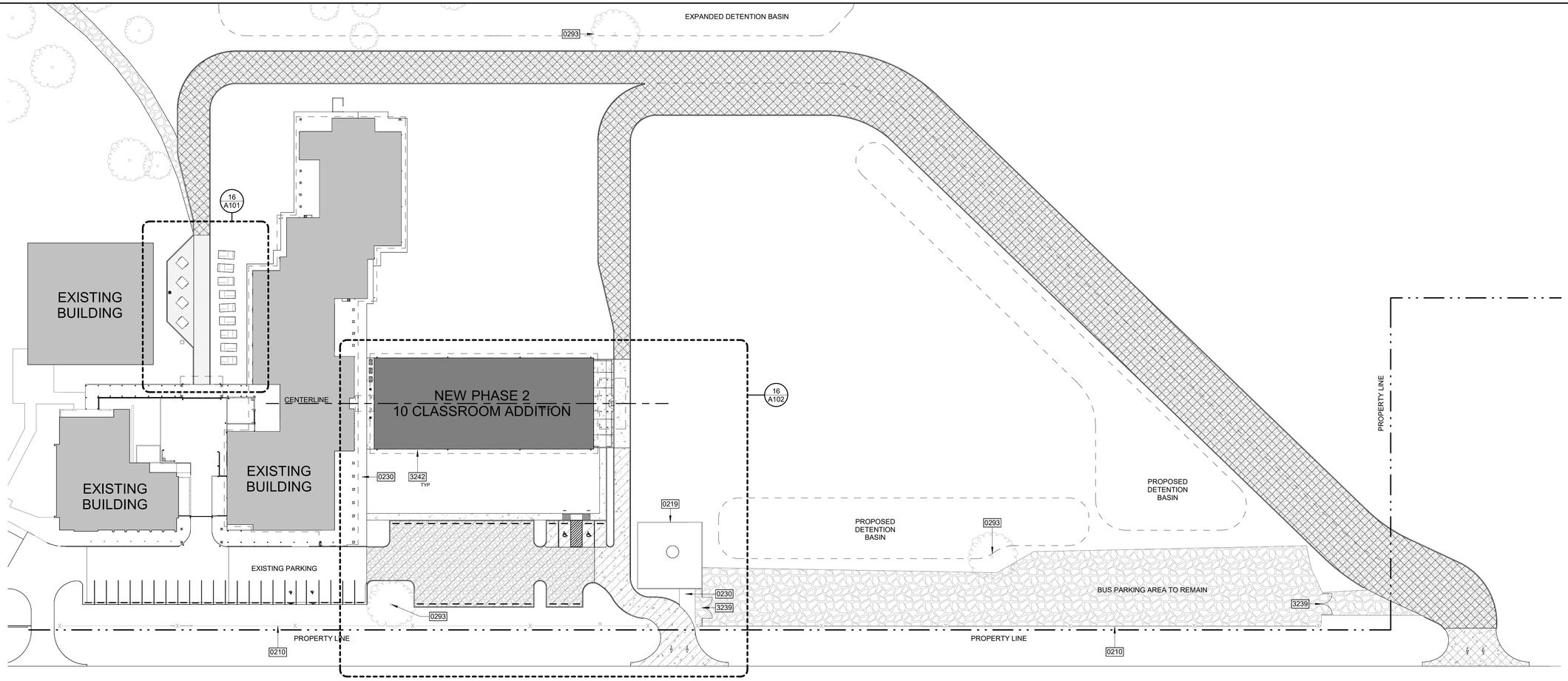
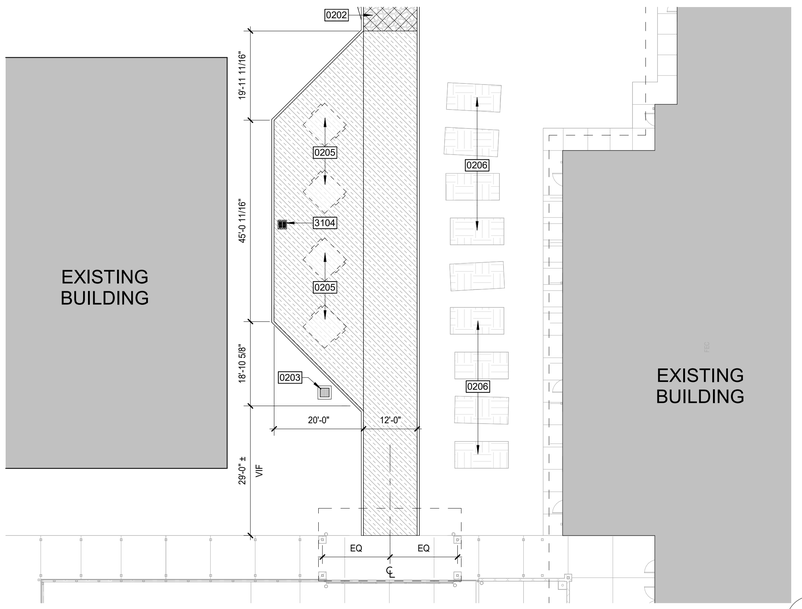
1" ½" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



11 OVERALL SITE PLAN
1" = 40'-0"

LA-445



16 SITE PLAN - DUMPSTER PAD
1/16" = 1'-0"

18 NOT USED

KEYNOTE LEGEND

0202 EXISTING GRAVEL DRIVE TO REMAIN

0203 EXISTING CATCH BASIN TO REMAIN; RE: CIVIL

0205 EXISTING DUMPSTER RELOCATED BY OWNER (N.I.C)

0206 EXISTING PLANTER BEDS TO REMAIN

0210 EXISTING CHAIN LINK FENCE TO REMAIN

0219 EXISTING WOOD FENCE TO REMAIN

0230 EXISTING CONCRETE

0293 EXISTING TREE TO REMAIN, PROTECT AREA BELOW CANOPY FOR THE DURATION OF CONSTRUCTION

3104 DUMPSTER DRAIN; RE: MEP

3239 SWING GATE WITH PAINTED (HIGH PERFORMANCE) 2X3X1/4 ALUMINUM TUBE FRAME; BOTTOM OF GATE SHALL BE 4" ABOVE CONCRETE GRADE BELOW

3242 PERIMETER OF BUILDING TO BE PROTECTED FROM STAINING BY MAINTAINING AN 8' STRIP OF SAND, SOD, OR OTHER MEANS FOR FULL DURATION OF PROJECT

SITE LEGEND

- EXISTING BUILDINGS
- 10 CLASSROOM ADDITION
- EXISTING GRAVEL PAVING
- EXTERIOR PAVING - BASE BID
- DUMPSTER AREA - ALTERNATE #1
- LIMESTONE PARKING - ALTERNATE #2
- CONCRETE - ALTERNATE #2
- CARPOOL LINE - ALTERNATE #3
- CONCRETE - ALTERNATE #3

ALTERNATE LIST

1. ALTERNATE #1 - ADD NEW DUMPSTER PAD AREA BETWEEN EXISTING SCHOOL BUILDING CONNECTING TO EXITING DRIVE AND DRIVE CREATED PER ALTERNATE #3.
2. ALTERNATE #2 - ADD LIMESTONE PARKING WITH SIDEWALK AND DRIVE EXTENSION TO HIGHWAY IN FRONT OF NEW CLASSROOM BUILDING.
3. ALTERNATE #3 - ADD GRAVEL CARPOOL LANE THAT CONNECTS TO DROP OFF LOCATIONS.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT
No. 36217
STATE OF LOUISIANA
REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

A101

OVERALL SITE PLAN

H/S

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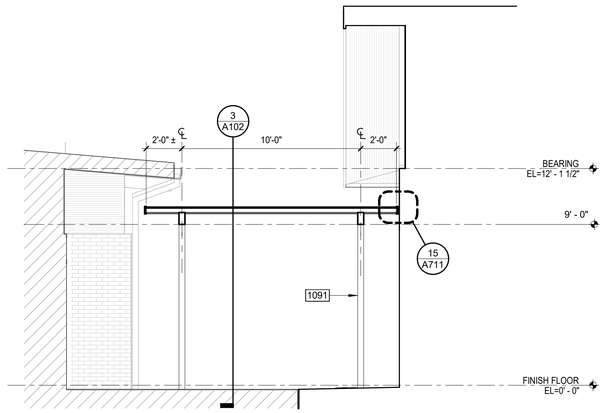
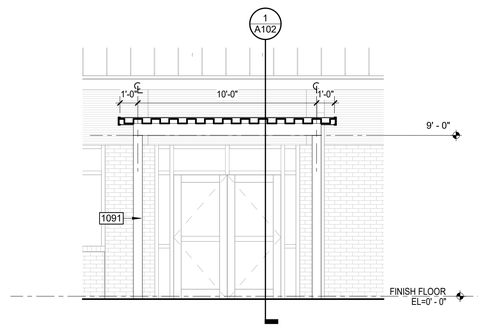
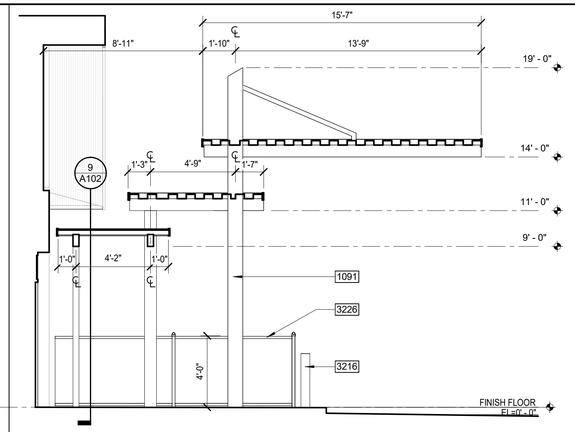
0" 1/2" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



1 CANOPY SECTION
1/4" = 1'-0"



3 CANOPY SECTION
1/4" = 1'-0"



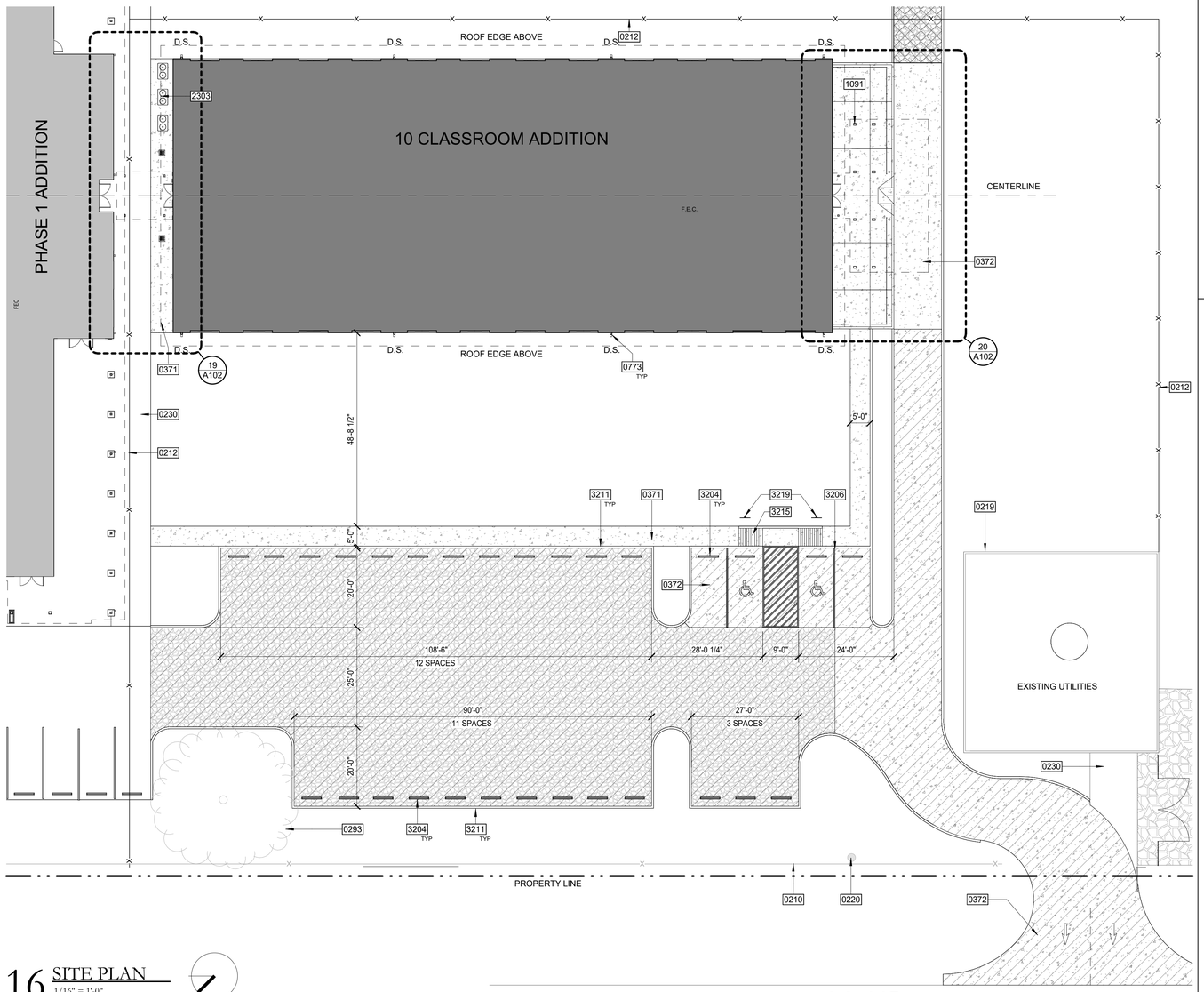
4 CANOPY SECTION
1/4" = 1'-0"

KEYNOTE LEGEND

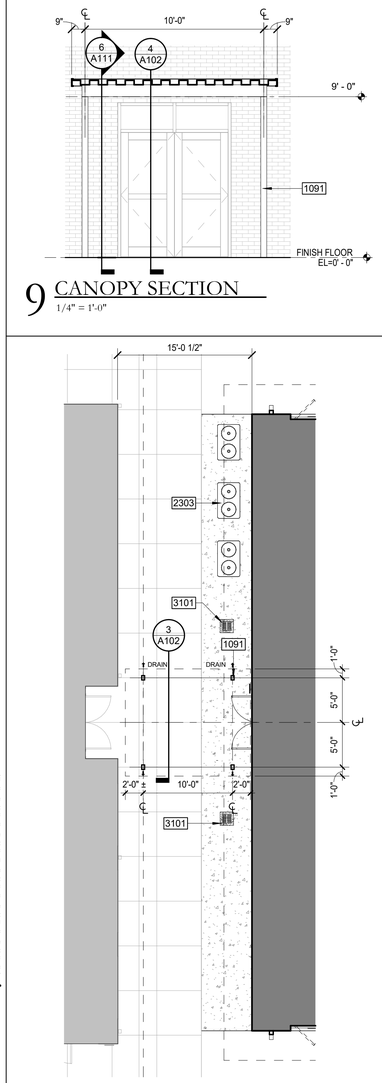
0210	EXISTING CHAIN LINK FENCE TO REMAIN
0212	PROVIDE PORTABLE FENCING AROUND PROJECT AREA AND PROVIDE GATES AS REQUIRED; REMOVE AT END OF CONSTRUCTION
0219	EXISTING WOOD FENCE TO REMAIN
0220	EXISTING POWER POLE TO REMAIN
0230	EXISTING CONCRETE
0293	EXISTING TREE TO REMAIN, PROTECT AREA BELOW CANOPY FOR THE DURATION OF CONSTRUCTION
0371	NEW CONCRETE SIDEWALK; RE: CIVIL
0372	NEW CONCRETE PAVEMENT; RE: CIVIL
0773	PREFINISHED METAL DOWNSPOUT
1091	DELEGATED DESIGN PRE-ENGINEERED AND PREFINISHED ALUMINUM CANOPY SYSTEM WITH INTEGRATED DRAINAGE
2303	HVAC CONDENSER; RE: MECHANICAL
3101	CATCH BASIN; RE: CIVIL
3204	WHEEL STOP; RE: 6C201
3206	4" WIDE STRIPING FOR ACCESSIBLE PARKING (WHITE)
3211	CAST-IN-PLACE CONCRETE CURB; RE: CIVIL
3215	CONCRETE CURB RAMP
3216	STEEL BOLLARD, PTD.
3219	HANDICAP SIGNAGE
3226	CHAIN LINK FENCE; RE: A111

SITE LEGEND

EXISTING BUILDINGS	DUMPSTER AREA - ALTERNATE #1	CONCRETE - ALTERNATE #3
10 CLASSROOM ADDITION	LIMESTONE PARKING - ALTERNATE #2	
EXISTING GRAVEL PAVING	CONCRETE - ALTERNATE #2	
EXTERIOR PAVING - BASE BID	CARPOOL LINE - ALTERNATE #3	

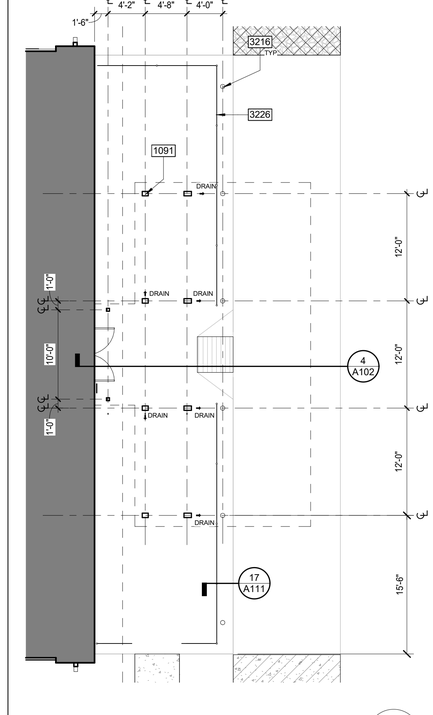


16 SITE PLAN
1/16" = 1'-0"



9 CANOPY SECTION
1/4" = 1'-0"

19 ENLARGED PLAN
1/8" = 1'-0"



20 ENLARGED PLAN
1/8" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT
No. 6217
STATE OF LOUISIANA
REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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A102

SITE PLAN

H/S

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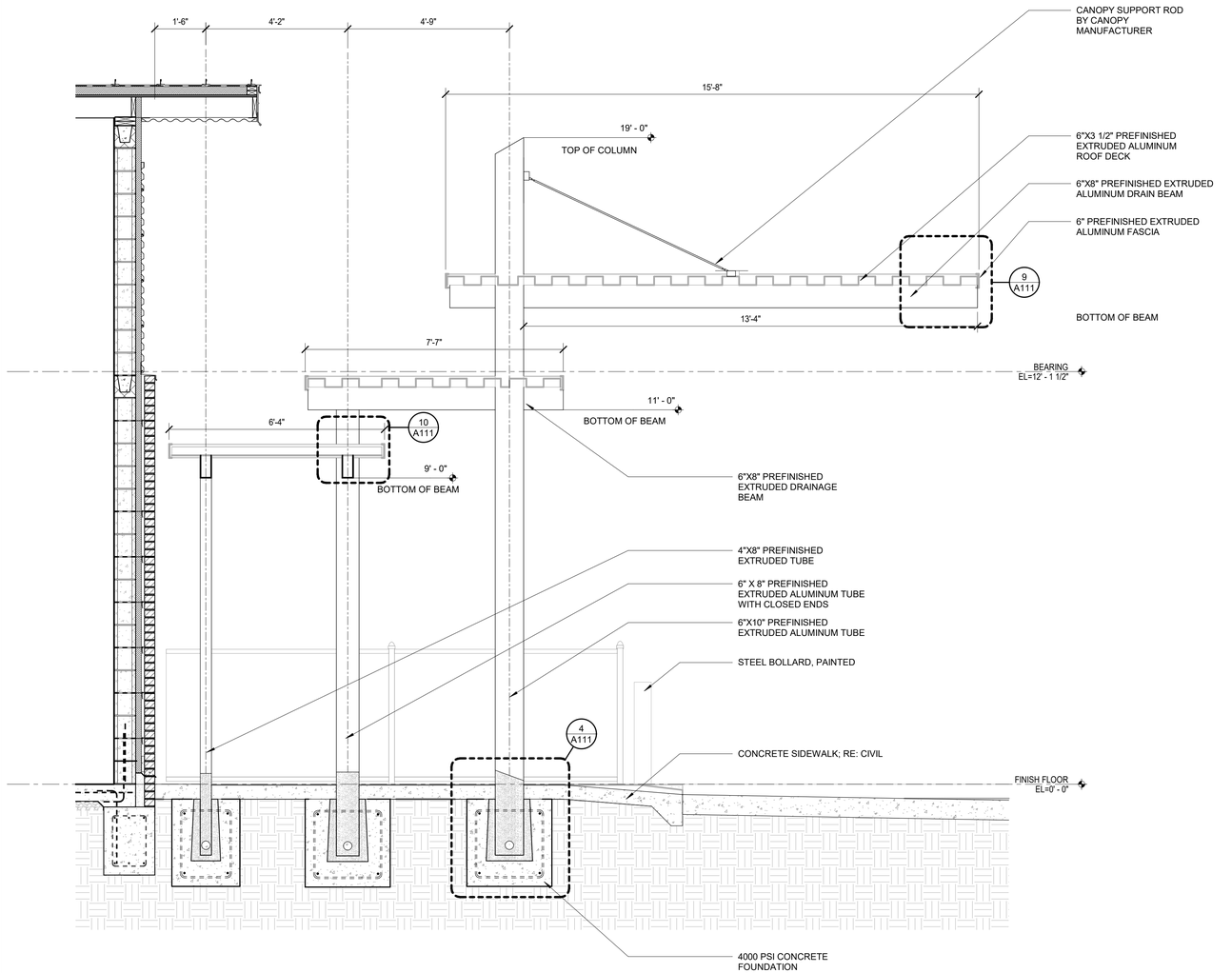
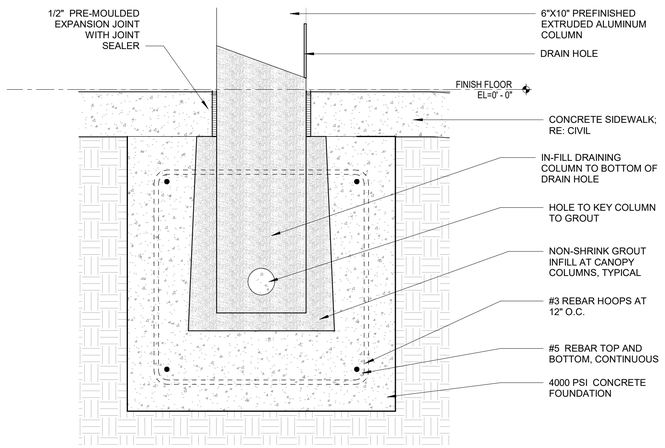
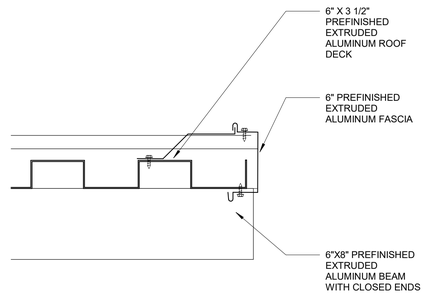


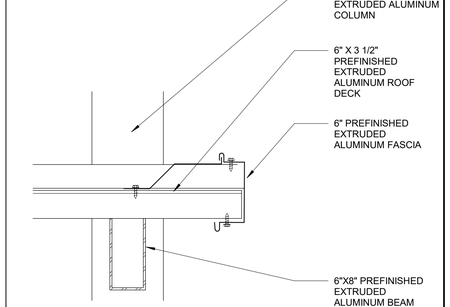
6 ENLARGED SECTION
1/2" = 1'-0"



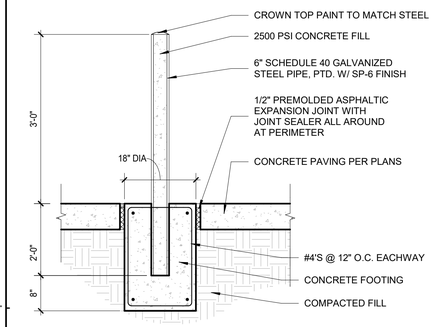
4 SECTION DETAIL
1 1/2" = 1'-0"



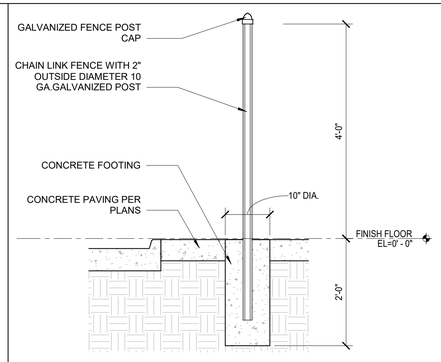
9 SECTION DETAIL
1 1/2" = 1'-0"



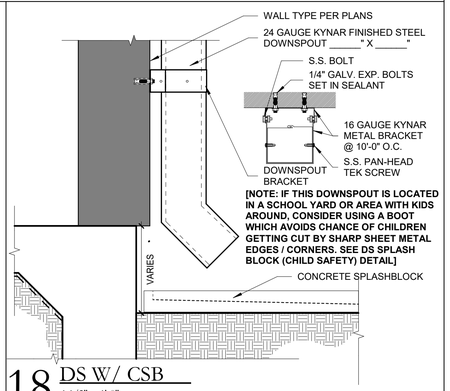
10 SECTION DETAIL
1 1/2" = 1'-0"



16 BOLLARD
3/4" = 1'-0"



17 CHAIN LINK FENCE DETAIL
3/4" = 1'-0"



18 DS W/ CSB
1 1/2" = 1'-0"

19 NOT USED

20 NOT USED

0" 1/2" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT No. 6211 STATE OF LOUISIANA REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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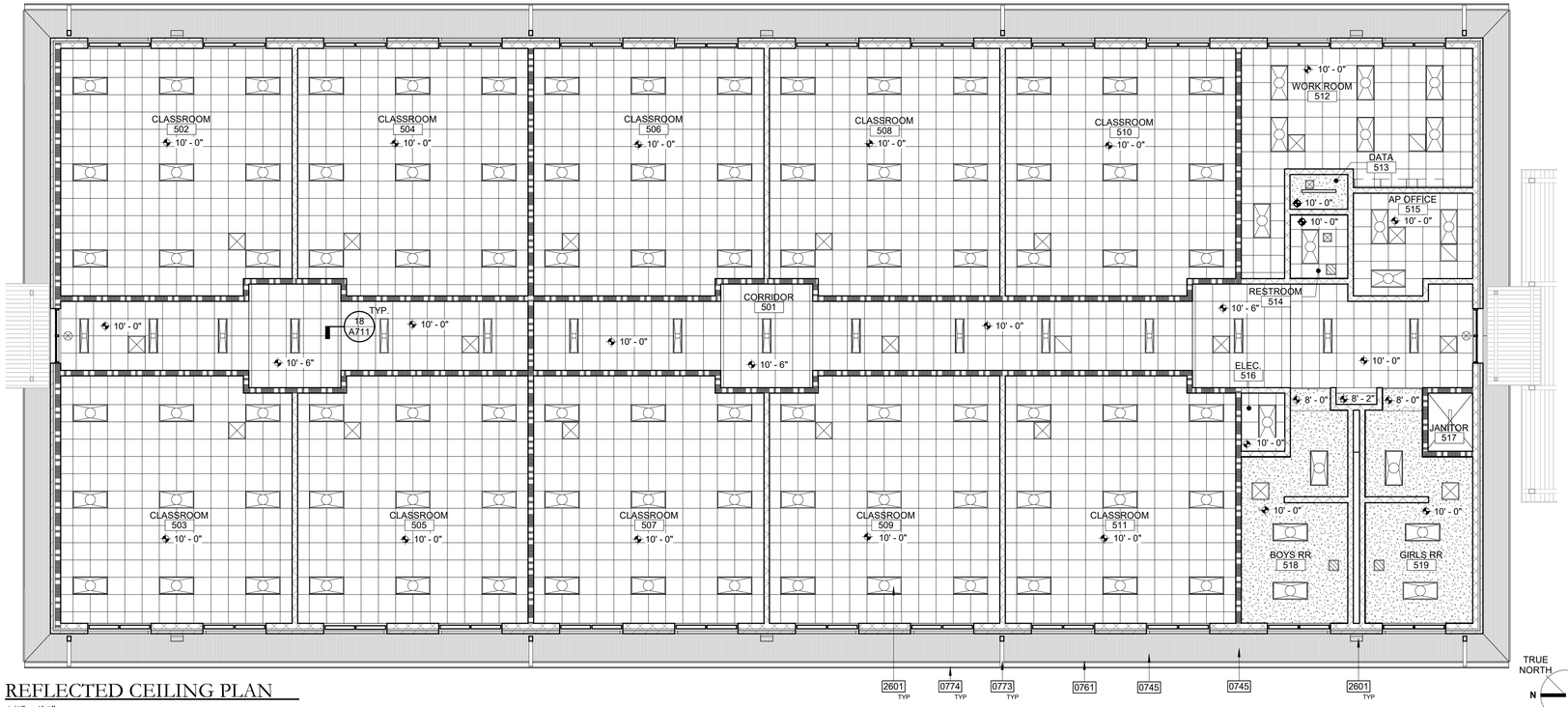
BID DOCUMENTS

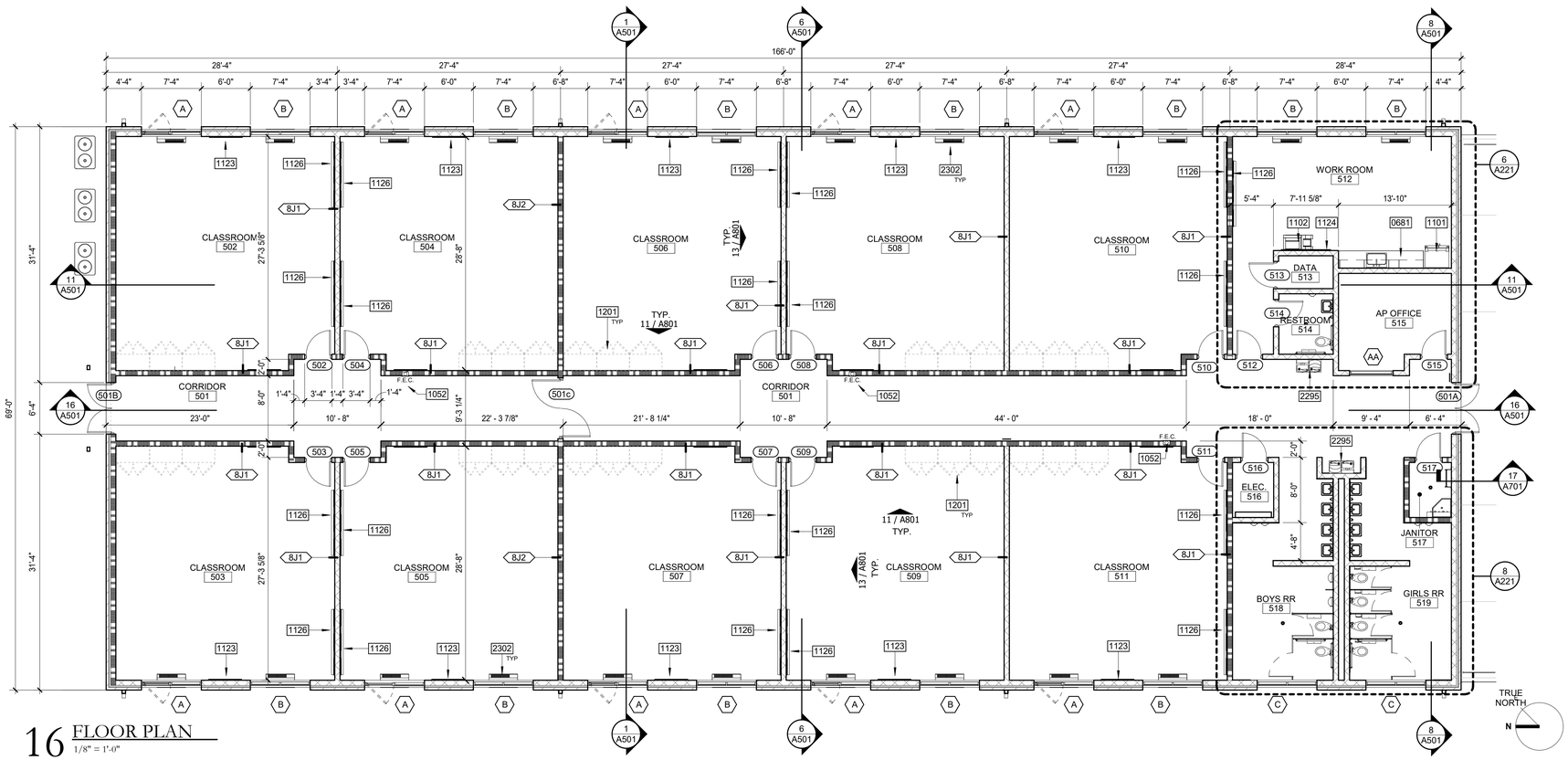
A111

SITE DETAILS

H/S



6 REFLECTED CEILING PLAN
1/8" = 1'-0"



16 FLOOR PLAN
1/8" = 1'-0"

1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

GENERAL NOTES

1. SEE A300 SERIES SHEETS FOR PARTITION TYPES, OPENING SCHEDULES, AND FINISH SCHEDULE.
2. TYPICAL PARTITION TYPE: **[3A0]**, UNLESS NOTED OTHERWISE.
3. SEE ENLARGED PLANS AND PLAN DETAILS FOR ADDITIONAL INFORMATION, NOTES, AND DIMENSIONS.
4. PROVIDE FIRE-RETARDANT TREATED WOOD BLOCKING OR 18 GAUGE METAL STRAPPING IN PARTITIONS TO RECEIVE HAND RAILS, GRAB BARS, AND WALL-MOUNTED ACCESSORIES, FIXTURES, EQUIPMENT, AND MILLWORK.
5. PROVIDE FIRE-RATED FIRE EXTINGUISHER CABINETS WHERE RECESSED IN FIRE-RATED WALLS.
6. PROVIDE GYPSUM BOARD EXPANSION/MOVEMENT JOINTS AT SPACINGS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS. CONFIRM LAYOUT WITH ARCHITECT.
7. ALL LIGHTING FIXTURES, REGISTERS, AND FIXTURE DESIGNATIONS ARE SHOWN FOR LOCATION AND COORDINATION ONLY.
8. TYPICAL CEILING HEIGHT: 10'-0", UNLESS NOTED OTHERWISE.
9. TYPICAL CEILING TYPE: AC-1, UNLESS NOTED OTHERWISE.
10. CENTER ACOUSTICAL CEILING GRIDS IN ROOMS. PANELS AT PERIMETER SHALL NOT BE LESS THAN HALF SIZE.
11. REFER TO ELECTRICAL FOR LIGHTING FIXTURE SCHEDULE.

KEYNOTE LEGEND

0681 ADA-ABA COMPLIANT SINK; PLASTIC LAMINATE CLAD CABINETS W/ PLASTIC LAMINATE COUNTERTOP AND BACKSPLASH

0745 PREFINISHED CORRUGATED METAL PANEL SOFFIT

0761 PREFINISHED METAL FASCIA

0773 PREFINISHED METAL DOWNSPOUT

0774 6" PREFINISHED METAL GUTTER

1052 SEMI-RECESSED FIRE EXTINGUISHER CABINET AND EXTINGUISHER; SEE G102 FOR MOUNTING HEIGHT

1101 REFRIGERATOR (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED

1102 COPIER (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED

1123 48" X 48" TACKBOARD WITH ALUMINUM FRAME

1124 72" X 48" TACKBOARD WITH ALUMINUM FRAME

1126 96" X 48" WHITEBOARD W/ MARKER TRAY

1201 WOOD CABINETS (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED

2295 ADAAG COMPLIANT BI-LEVEL TWO STATION DRINKING FOUNTAIN WITH BOTTLE FILLER

2302 PTAC WALL UNIT; RE: MECHANICAL

2601 LIGHT FIXTURE; RE: ELECTRICAL

RCP LEGEND

- NEW SUSPENDED ACOUSTICAL CEILING SYSTEM.
- MOISTURE-RESISTANT GYPSUM BOARD CEILING
- EXIT LIGHT FIXTURE
- 2' X 4' LED LIGHT FIXTURE
- LINEAR LED LIGHT FIXTURE
- RETURN GRILLE
- SUPPLY GRILLE
- EXHAUST FAN
- 1 HOUR FIRE RATING

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT
NO. 6277
STATE OF LOUISIANA
REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

A201

FLOOR PLAN AND REFLECTED CEILING PLAN

H/S

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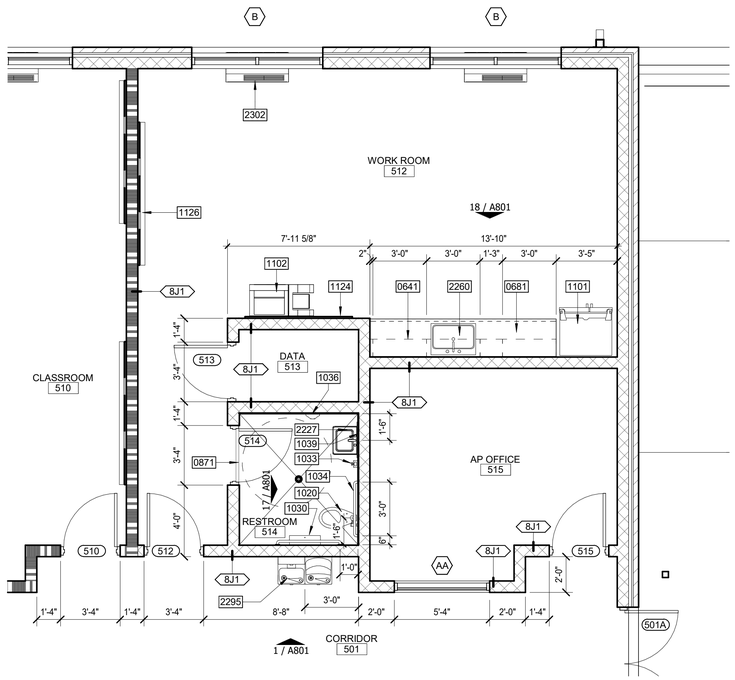
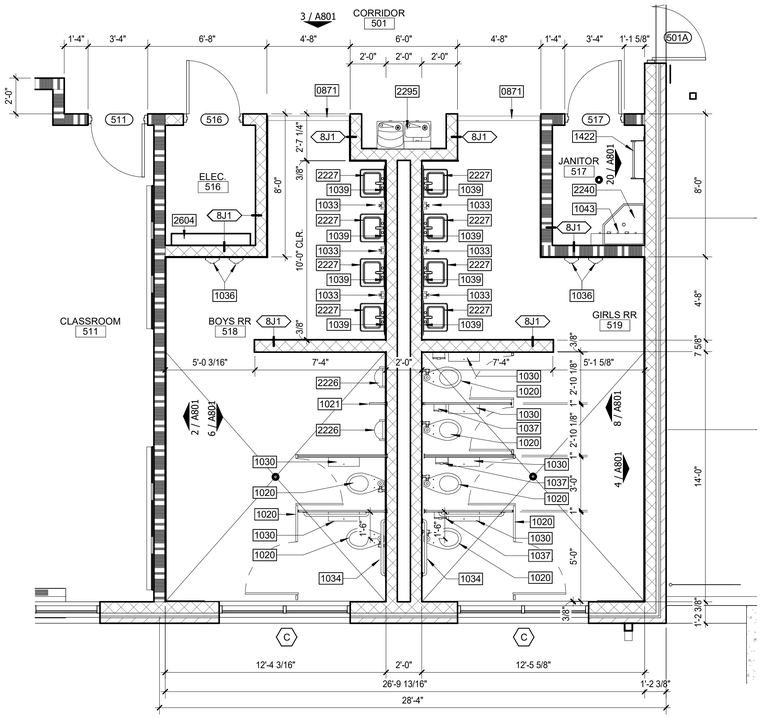


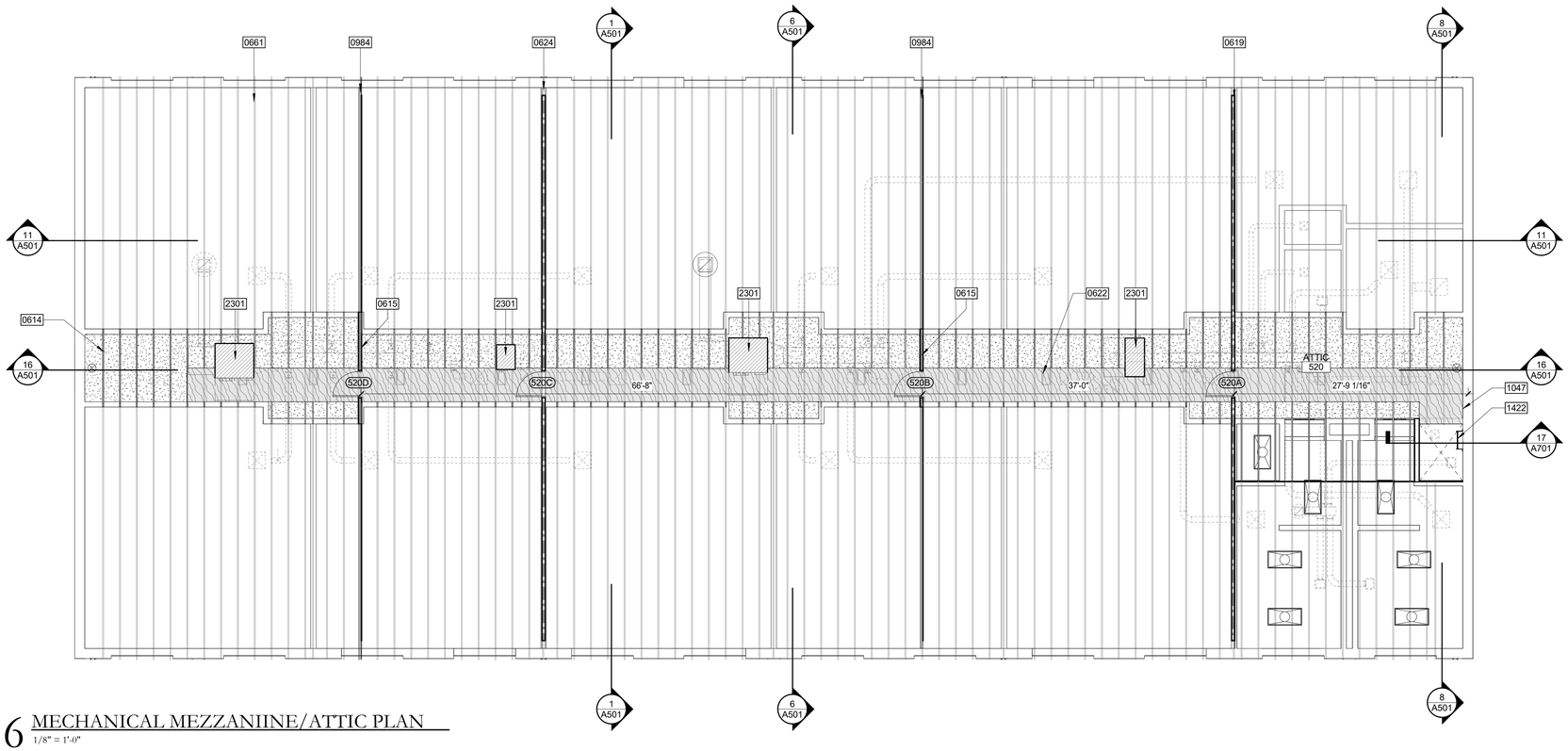
6 ENLARGED ADMIN AREA

1/4" = 1'-0"



8 ENLARGED RESTROOMS

1/4" = 1'-0"



16 MECHANICAL MEZZANIINE/ATTIC PLAN

1/8" = 1'-0"

0" 1/2" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

GENERAL NOTES

1. SEE SHEET G102 FOR DIMENSIONS AND CLEARANCES REQUIRED FOR ACCESSIBILITY.
2. DIMENSIONS ARE TO FACE OF SLAB/BRICK/BLOCK, FACE OF STUD, CENTERLINE OF COLUMN, OR CENTERLINE OF OPENING.
3. COORDINATE DIMENSIONS WITH EXISTING CONDITIONS AND SITE RESTRICTIONS.
4. PRECISELY MAINTAIN DIMENSIONS NOTED AS "CLR " DO NOT ADJUST DIMENSIONS UNLESS NOTED "+/-." VERIFY DIMENSIONS MARKED "VIF" OR "VOJ" PRIOR TO CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES. LOCATE FACE OF SURFACES IN THE SAME PLANE WHERE NOTED "ALIGN."

KEYNOTE LEGEND

0614	2X6 WOOD JOIST
0615	SMOKE RATED WALL AT ATTIC CORRIDOR PASSAGEWAYS, INSTALL TYPE X GYPSUM BOARD ON EACH SIDE OF STUD; SEAL ALL EDGES
0619	1-HOUR RATED WALL AT WOOD TRUSS, PACK WITH BATT INSULATION AND INSTALL TYPE X GYPSUM BOARD ON EACH SIDE; SEAL ALL EDGES; UL U305 ASSEMBLY
0622	3/4" PLYWOOD DECK
0624	2-HOUR RATED WALL AT WOOD TRUSS, PACK WITH BATT INSULATION AND INSTALL TWO LAYERS OF TYPE X GYPSUM BOARD ON EACH SIDE; SEAL ALL EDGES UL U301 ASSEMBLY
0641	3/4" PLYWOOD UPPER CABINETS WITH PLASTIC LAMINATE ALL SURFACES
0661	PRE-ENGINEERED WOOD TRUSS, RE: STRUCTURAL
0681	ADA-ABA COMPLIANT SINK; PLASTIC LAMINATE CLAD CABINETS W/ PLASTIC LAMINATE COUNTERTOP AND BACKSPLASH
0871	MARBLE THRESHOLD
0984	SMOKE WALL @ ATTIC SPACE SEPARATION CONSISTING OF ONE LAYER OF GYPSUM BOARD ATTACHED TO STRUCTURAL TRUSS WITH ALL JOINTS AND PENETRATIONS SEALED
1020	FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITION
1021	WALL MOUNTED URINAL SCREEN WITH CONTINUOUS WALL BRACKET
1030	STAINLESS STEEL TOILET TISSUE DISPENSER, MOUNTED AS PER ADA-ABA REQUIREMENTS
1033	LIQUID SOAP DISPENSER, MOUNTED AS PER ADA-ABA REQUIREMENTS; OWNER-FURNISHED, CONTRACTOR-INSTALLED
1034	ADA-ABA COMPLIANT S.S. GRAB BAR 36" REAR AND 42" SIDE; PROVIDE BLOCKING AS REQ'D
1036	ELECTRIC HAND DRYER; MOUNTED AS PER ADA-ABA REQUIREMENTS
1037	SANITARY NAPKIN DISPOSAL UNIT
1039	WALL MOUNTED POLISHED STAINLESS STEEL MIRROR, MOUNTED AS PER ADA-ABA REQUIREMENTS
1043	WALL MOUNTED MOP AND BROOM HOLDER
1047	S.S. TRANSFER 36" BAR
1101	REFRIGERATOR (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED
1102	COPIER (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED
1124	72" X 48" TACKBOARD WITH ALUMINUM FRAME
1126	96" X 48" WHITEBOARD W/ MARKER TRAY
1422	STEEL ATTIC ACCESS LADDER
2226	ADA-ABA COMPLIANT URINAL; RE: PLUMBING
2227	ADA-ABA COMPLIANT LAVATORY; RE: PLUMBING
2240	MOP SINK; RE: PLUMBING
2260	ADA-ABA COMPLIANT STAINLESS STEEL SINK
2295	ADAAG COMPLIANT BI-LEVEL TWO STATION DRINKING FOUNTAIN WITH BOTTLE FILLER
2301	HVAC UNIT; RE: MECHANICAL
2302	PTAC WALL UNIT; RE: MECHANICAL
2604	ELECTRICAL PANEL; RE: ELECTRICAL

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT 36 8217 STATE OF LOUISIANA REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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ENLARGED PLANS & MEZZANINE/ATTIC PLAN

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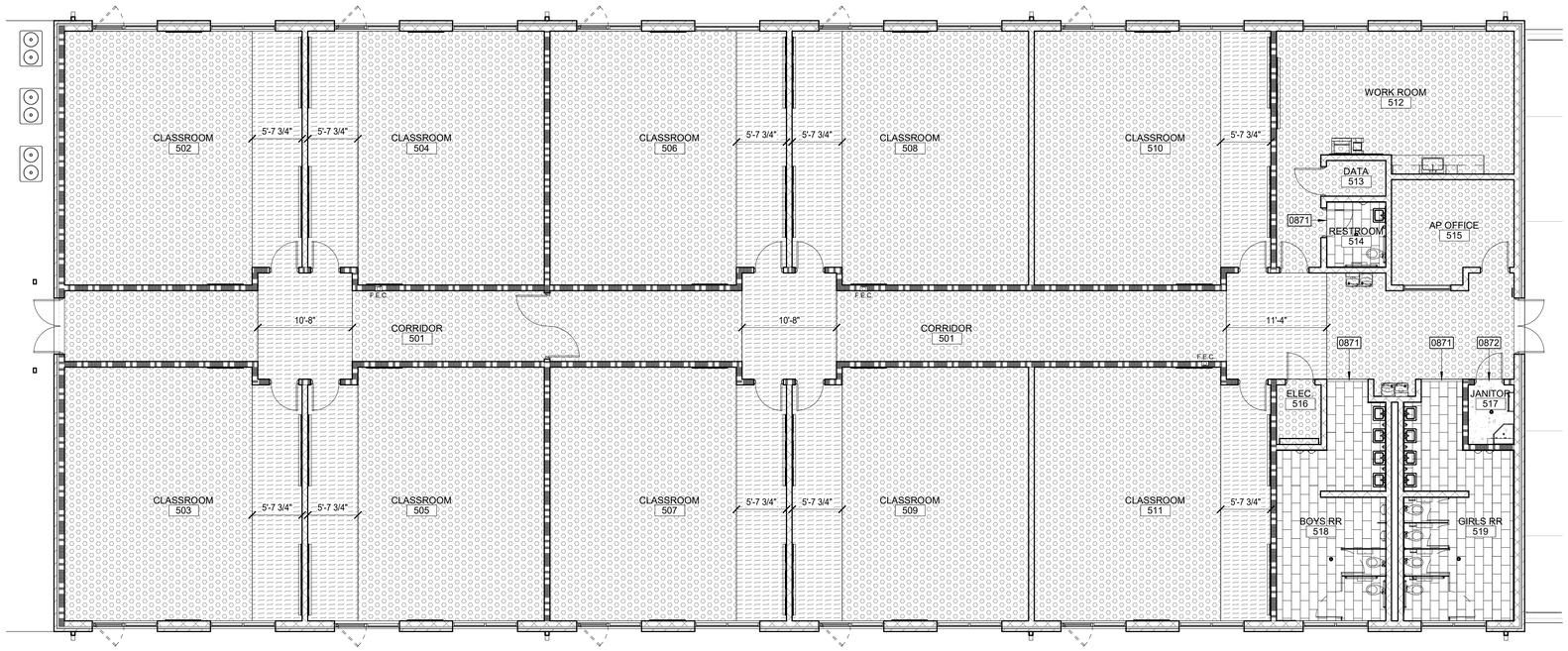


6 FLOOR PATTERN PLAN
1/8" = 1'-0"

TRUE NORTH

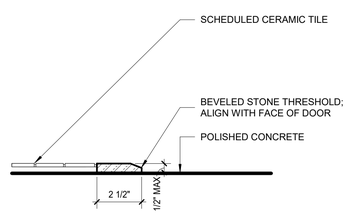
GENERAL NOTES

1. X

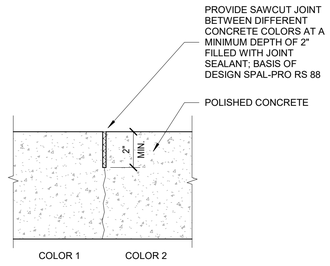
KEYNOTE LEGEND

0871 MARBLE THRESHOLD

0872 RESILIENT REDUCER STRIP



11 DETAIL - FLOORING TRANSITION
3" = 1'-0"



12 SAW-CUT CONTROL JOINT
3" = 1'-0"

13 NOT USED

14 NOT USED

LEGEND

POLISHED CONCRETE 1

POLISHED CONCRETE 2

CERAMIC TILE

SEALED CONCRETE

16 NOT USED

17 NOT USED

18 NOT USED

19 NOT USED

20 NOT USED

HOLLY & SMITH ARCHITECTS
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FLOOR PATTERN PLAN

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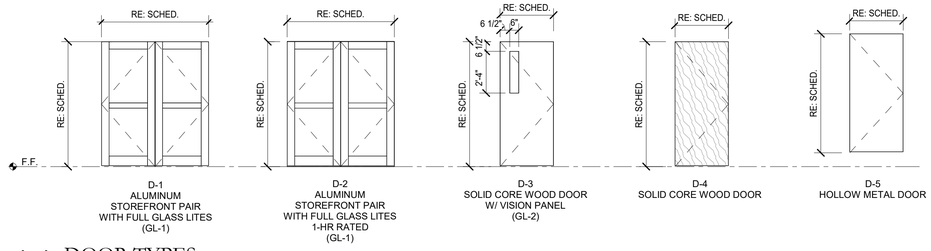
1" 0" 6" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH - NORTH	WALL FINISH - SOUTH	WALL FINISH - EAST	WALL FINISH - WEST	CEILING FINISH	COMMENTS
501	CORRIDOR	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
502	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
503	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
504	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
505	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
506	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
507	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
508	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
509	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
510	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
511	CLASSROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
512	WORK ROOM	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
513	DATA	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	PTD. GYP. BD.	
514	RESTROOM	CERAMIC TILE W/ EPOXY GROUT	CERAMIC TILE W/ EPOXY GROUT	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	PTD. M.R. GYP. BD.	
515	AP OFFICE	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	A.C.T.	
516	ELEC.	POLISHED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	PTD. GYP. BD.	
517	JANITOR	SEALED CONCRETE	RUBBER	PTD. CMU	PTD. CMU	PTD. CMU	PTD. CMU	N/A	
518	BOYS RR	CERAMIC TILE W/ EPOXY GROUT	CERAMIC TILE W/ EPOXY GROUT	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	PTD. M.R. GYP. BD.	
519	GIRLS RR	CERAMIC TILE W/ EPOXY GROUT	CERAMIC TILE W/ EPOXY GROUT	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	CERAMIC TILE / PTD. GYP. BD.	PTD. M.R. GYP. BD.	
520	ATTIC	PLYWOOD	N/A	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	N/A	

DOOR SCHEDULE

DOOR #	ROOM NAME	DOOR						FRAME		FIRE RATING	COMMENTS
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	HW SET	TYPE	MATERIAL		
501A	CORRIDOR	6' - 0"	7' - 0"	0' - 1 3/4"	D-1	ALUMINUM		F-1	ALUMINUM		
501B	CORRIDOR	6' - 0"	7' - 0"	0' - 1 3/4"	D-2	ALUMINUM		F-1	ALUMINUM	60 MIN.	
501c	CORRIDOR	7' - 0"	7' - 0"	0' - 1 3/4"	D-5	Hollow Metal		F-4	HOLLOW METAL	90 MIN.	ELECTROMAGNETIC DOOR HOLDER
502	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
503	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
504	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
505	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
506	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
507	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
508	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
509	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
510	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
511	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL	20 MIN.	
512	WORK ROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL		
513	DATA	3' - 0"	7' - 0"	0' - 1 3/4"	D-4	SCW		F-2	HOLLOW METAL		
514	RESTROOM	3' - 0"	7' - 0"	0' - 1 3/4"	D-4	SCW		F-2	HOLLOW METAL		
515	AP OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	D-3	SCW		F-2	HOLLOW METAL		
516	ELEC.	3' - 0"	7' - 0"	0' - 1 3/4"	D-4	SCW		F-2	HOLLOW METAL		
517	JANITOR	3' - 0"	7' - 0"	0' - 1 3/4"	D-4	SCW		F-2	HOLLOW METAL	60 MIN.	
520A	ATTIC	3' - 0"	6' - 8"	0' - 1 3/4"	D-5	HOLLOW METAL		F-3	HOLLOW METAL	60 MIN.	GASKETED DOOR
520B	ATTIC	3' - 0"	6' - 8"	0' - 1 3/4"	D-5	HOLLOW METAL		F-3	HOLLOW METAL		GASKETED DOOR
520C	ATTIC	3' - 0"	6' - 8"	0' - 1 3/4"	D-5	HOLLOW METAL		F-3	HOLLOW METAL	90 Minute	GASKETED DOOR
520D	ATTIC	3' - 0"	6' - 8"	0' - 1 3/4"	D-5	HOLLOW METAL		F-3	HOLLOW METAL		GASKETED DOOR



D-1 ALUMINUM STOREFRONT PAIR WITH FULL GLASS LITES (GL-1)

D-2 ALUMINUM STOREFRONT PAIR WITH FULL GLASS LITES 1-HR RATED (GL-1)

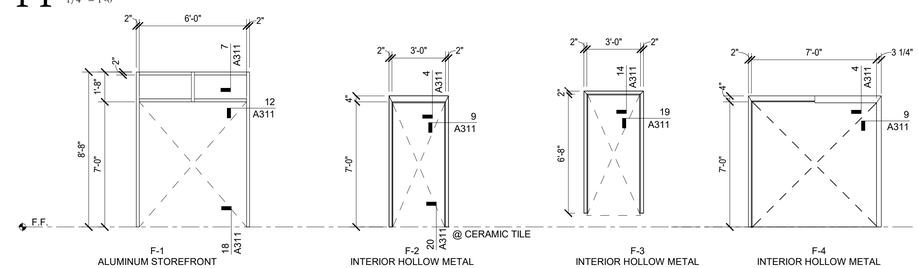
D-3 SOLID CORE WOOD DOOR W/ VISION PANEL (GL-2)

D-4 SOLID CORE WOOD DOOR

D-5 HOLLOW METAL DOOR

11 DOOR TYPES

1/4" = 1'-0"



F-1 ALUMINUM STOREFRONT FRAME

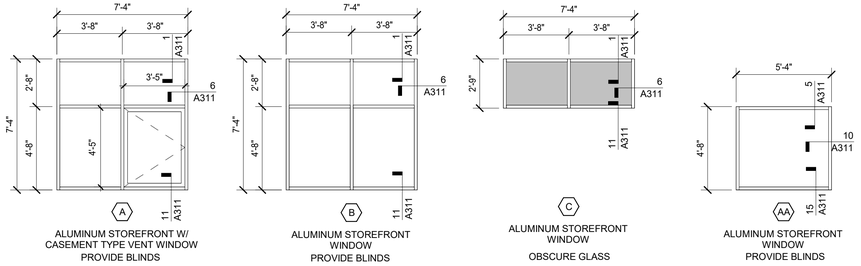
F-2 INTERIOR HOLLOW METAL FRAME, PTD.

F-3 INTERIOR HOLLOW METAL FRAME, PTD. (ATTIC)

F-4 INTERIOR HOLLOW METAL FRAME, PTD.

13 FRAME TYPES

1/4" = 1'-0"



ALUMINUM STOREFRONT W/ CASEMENT TYPE VENT WINDOW PROVIDE BLINDS

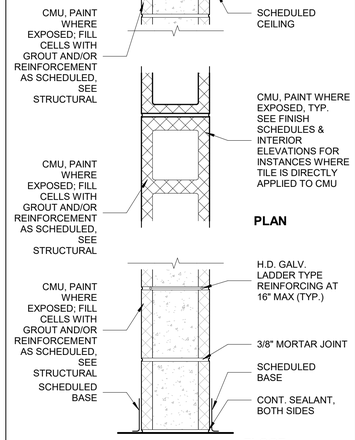
ALUMINUM STOREFRONT WINDOW PROVIDE BLINDS

ALUMINUM STOREFRONT WINDOW OBSCURE GLASS

ALUMINUM STOREFRONT WINDOW PROVIDE BLINDS

16 OPENING ELEVATIONS

1/4" = 1'-0"



CONCRETE MASONRY UNIT PARTITION

TYPE	PARTITION WIDTH	UL#	STC	DESCRIPTION
6J1	5 5/8"	U906	U906	
8J1	7 5/8"	U905	U905	
8J2	7 5/8"	U905	U905	

PARTITION LEGEND

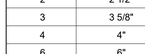


TABLE A - FRAMING THICKNESS (ACTUAL)

CHARACTER	MTL STUD DEPTH	MTL CH STUD DEPTH	WOOD STUD DEPTH	CMU WIDTH
0	7/8" FURRING CHANNEL		-	-
1	[1 5/8" OR 1 1/2" FURRING CHANNEL]		-	-
2	2 1/2"	2 1/2"	-	-
3	3 5/8"	-	-	-
4	4"	4"	3 1/2"	3 5/8"
6	6"	6"	5 1/2"	5 5/8"
8	8"	-	7 1/4"	7 5/8"

SEE STRUCTURAL DRAWINGS FOR CONCRETE WALL THICKNESS.

TABLE B - PARTITION CONSTRUCTION

CHARACTER	FINISH / FINISH HEIGHT	FRAMING MEMBER	FINISH / FINISH HEIGHT	SOUND ATTENUATION
A	1-LAYER GYP. BD. / EXTEND TO DECK	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
B	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	BATT
C	NO FINISH	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
D	NO FINISH	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	BATT
E	1-LAYER GYP. BD. / EXTEND TO DECK	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK ON 1/2" RESIL. CHANNEL	BATT
F	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG. ON 1/2" RESIL. CHANNEL	BATT
G	1-LAYER GYP. BD. / EXTEND TO CLG.	METAL C-STUD TO CLG.	1-LAYER GYP. BD. / EXTEND TO CLG.	BATT
H	1-LAYER SHAFT LINER / EXTEND TO DECK	METAL CH-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
J	NO FINISH	CMU TO DECK	NO FINISH	-

TABLE C - FIRE RATING

CHARACTER	RATING
0	NOT RATED
S	SMOKE PARTITION
1	1 HOUR RATED
2	2 HOUR RATED
3	3 HOUR RATED

GENERAL NOTES

1. VERIFY DIMENSIONS IN FIELD PRIOR TO ORDERING. UNLESS NOTED OTHERWISE, DIMENSIONS ARE TO ROUGH OPENINGS.
2. ALL NON LOAD BEARING INTERIOR METAL STUDS SHALL BE SPACED AT 16" O.C. U.N.O. ON PLANS (GAUGE AS SPECIFIED IN SECTION 09 22 16 U.N.O.).
3. ALL NON LOAD BEARING INTERIOR METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/240, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
4. WHERE AN ADDITIONAL INTERIOR WALL FINISH IS APPLIED TO THE BASE PARTITION SUCH AS TILE, VENEERS, WOOD PANELING, OR SIMILAR; ALL INTERIOR NON LOAD BEARING METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/360, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
5. LIMITING HEIGHTS OF INTERIOR NON LOAD BEARING FRAMING SHALL BE PER THE MANUFACTURERS SPAN TABLES BASED ON THE FOLLOWING CRITERIA OUTLINED IN THIS SET OF DRAWINGS AND THE PROJECT MANUAL: HORIZONTAL LOADING, STUD DEPTH, STUD SPACING, AND DEFLECTION CRITERIA.
6. FRAME OPENINGS IN STUD PARTITIONS TO ACCOMMODATE THRU-WALL DUCT PENETRATIONS. SEAL PENETRATIONS TIGHT TO THE DUCT INSULATION WITH ACOUSTICAL SEALANT ON BOTH SIDES. INFILL ANNULAR SPACE CAVITY BETWEEN DUCT INSULATION AND STUD FRAMING FULLY WITH MEDIUM DENSITY MINERAL WOOL PACKING MATERIAL AND BACKER ROD AT ENDS TO ACCEPT ACOUSTICAL SEALANT. ANNULAR SPACE BETWEEN STUDS AND DUCT INSULATION SHALL BE 1" OR LESS.
7. FRAME OPENINGS IN CMU PARTITIONS TO ACCOMMODATE THRU-WALL DUCT PENETRATIONS. PROVIDE A 4" WIDE GYPSUM BOARD COVER PLATE SECURED IN A SEALANT BED ON BOTH SIDES OF WALL PRESSED INTO DUCT INSULATION. SEAL PENETRATIONS TIGHT TO THE DUCT INSULATION & COVER PLATE WITH ACOUSTICAL SEALANT ON BOTH SIDES. INFILL ANNULAR SPACE CAVITY BETWEEN DUCT INSULATION AND CMU FULLY WITH MEDIUM DENSITY MINERAL WOOL PACKING MATERIAL. ANNULAR SPACE BETWEEN CMU AND DUCT INSULATION SHALL BE 1" OR LESS.
8. ALL ELECTRICAL CABLE THRU-WALL PENETRATIONS NOT IN CONDUITS SHALL BE SEALED WITH AN ACOUSTICAL SLEEVE PROVIDED BY HILTI (#CS-SL SA) , STI, OR EQUAL.
9. ALL PIPE, SLEEVE, AND CONDUIT THRU-WALL PENETRATIONS SHALL BE SEALED TIGHT WITH ACOUSTICAL SEALANT ON BOTH SIDES. IF MORE THAN 1/2", INFILL ANNULAR SPACE CAVITY BETWEEN PIPE, SLEEVE, OR CONDUIT AND WALL FULLY WITH MEDIUM DENSITY MINERAL WOOL PACKING MATERIAL AND BACKER ROD AT ENDS TO ACCEPT ACOUSTICAL SEALANT. ANNULAR SPACE BETWEEN WALL AND PIPE, SLEEVE, OR CONDUIT SHALL BE 1" OR LESS.
10. SEE REFLECTED CEILING PLANS AND CEILING DETAILS FOR SPECIFIC CEILING TYPE, CONSTRUCTION, AND RELATIONSHIP TO PARTITIONS. WHERE CEILINGS DO NOT OCCUR, GYPSUM BOARD SHALL EXTEND TO THE STRUCTURE ABOVE AND SHALL BE FINISHED, TAPED, FLOATED AND PAINTED.
11. INSTALL TREATED WOOD BLOCKING OR 24 GAGE SHEET METAL PLATES IN PARTITIONS TO SUPPORT WALL-MOUNTED EQUIPMENT, ACCESSORIES, ETC.
12. ALL COMPONENTS OF FIRE RATED, SMOKE BARRIER OR SMOKE PARTITION SYSTEMS SHALL EXTEND FROM FLOOR TO THE STRUCTURE ABOVE. ALL RATED PARTITIONS SHALL BE IDENTIFIED AS SUCH WITH LABELING / STENCILING PER NFPA, LOCATED ABOVE THE CEILING AT 8'-0" O.C. SPACING.
13. WHERE PARTITIONS INTERSECT, RUN THE HIGHEST FIRE-RATED CONTINUOUS. IF NO FIRE-RATING, RUN THE HIGHEST SMOKE OR SOUND-RATED CONTINUOUS.
14. AT DIAGONAL BRACING OR OTHER OBSTRUCTIONS WITHIN PARTITIONS, CUT STUDS AND PLATES AROUND OBSTRUCTIONS TO PROVIDE CONTINUOUS 16-IN. ON CENTER STUD SPACING.
15. PROVIDE FIRE CAULKING AT TOP AND BOTTOM OF FIRE-RATED PARTITIONS; PROVIDE ACOUSTICAL CAULKING AT TOP AND BOTTOM OF SOUND-RATED AND ALL OTHER PARTITIONS. FIRE CAULK TAKES PRECEDENCE.
16. FILL ENTIRE CAVITY WITH SOUND BATT INSULATION IN SOUND-RATED PARTITIONS. PROVIDE SOUND-RATED PARTITIONS AROUND ELEVATOR SHAFTS.
17. COORDINATE FINISHES WITH PARTITION LAYOUTS AND REQUIRED CLEARANCES.
18. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH SCHEDULE, FINISH PLANS, AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
19. USE OF EQUIVALENT STEEL STUDS IS NOT ACCEPTABLE.

Modification of UL Fire-Rated Designs

Although UL fire-rated walls are tested with specific materials under certain conditions, changes to UL fire-rated designs are permitted. Following are some guidelines for how to modify UL designs to meet project-specific needs:

- *The amount of insulation in the cavity of a UL-rated wall assembly can be increased. The addition of mineral fiber insulation in any thickness and with and without facers is permitted in the stud cavities of any wood stud or steel stud wall assemblies described under the U300, V300, W300, U400, V400 and W400 series of wall designs.*
- *The depth of studs in a UL-rated wall assembly can be increased. Stud dimensions are minimums, so you can always use larger studs. For example, you can substitute 6" studs in UL designs that specify 3-5/8" studs.*
- *The spacing between parallel rows of studs is a minimum unless listed differently in the individual UL designs. This means there is room for flexibility, such as reducing the space between studs or opting for a thicker gypsum board.*
- *Plywood can be added to a UL fire-rated design. Wood structural panels are permitted to be applied either as a base layer (directly to the wall framing and under the gypsum board), in between gypsum layers or over the top of the completed gypsum board wall.*
- *Screws can be substituted for nails. Most UL designs include an option for screw attachment. Where screws are not listed in a UL design, you can substitute them for the specified nails if they have the same head diameter, length and spacing.*
- *Generally, specified gypsum board thicknesses in UL designs are minimums. Greater thicknesses of gypsum board are permitted if the fastener length is increased to provide equal or greater penetration into the frame.*
- *Additional layers of gypsum board may be added to any UL design, but must be oriented (vertically or horizontally) as specified by the specific design.*

Additional information on detailed allowances can be found in the Design Information Section for Fire-Resistance Ratings on the UL Product iQ® website.

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BID DOCUMENTS

A301

RM FINISH SCHEDULE, DOOR SCHEDULE AND OPENING TYPES

H/S

8/31/2026 1:50:56 PM

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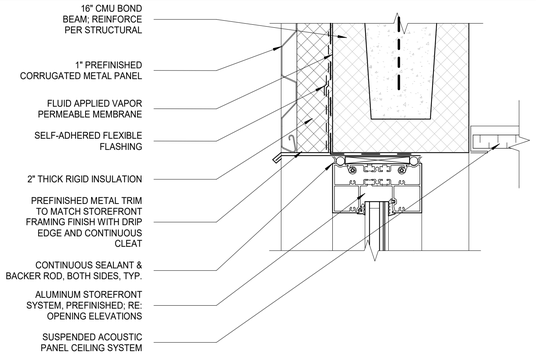
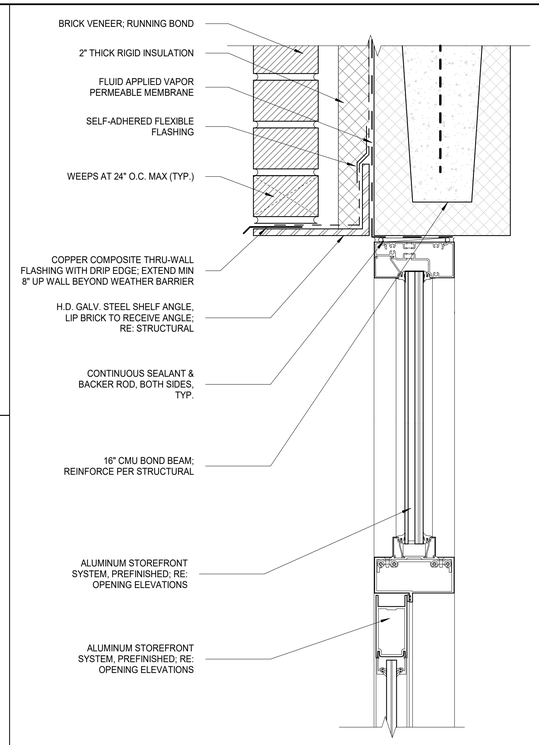
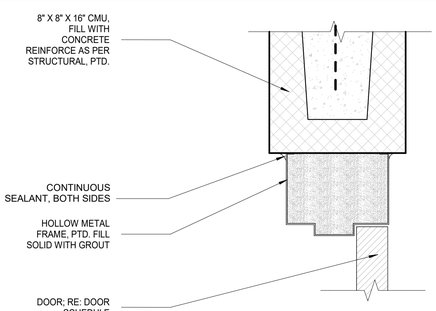
0" 1/2" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



1 HEAD DETAIL @ STOREFRONT
3" = 1'-0"



7 HEAD DETAIL @ STOREFRONT DOOR
3" = 1'-0"



4 HM FRAME HEAD DETAIL
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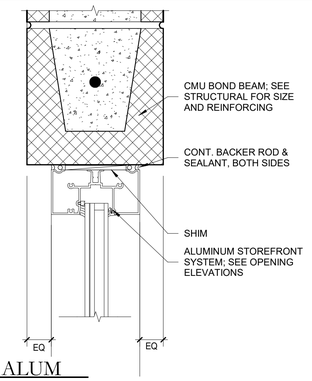

5 HEAD DETAIL - ALUM
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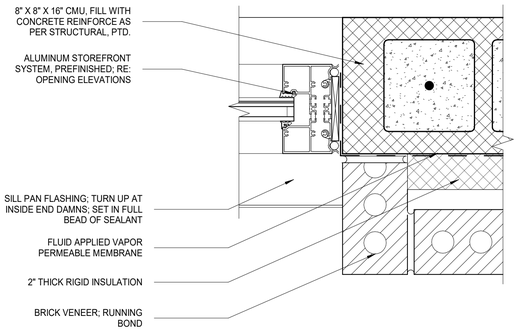
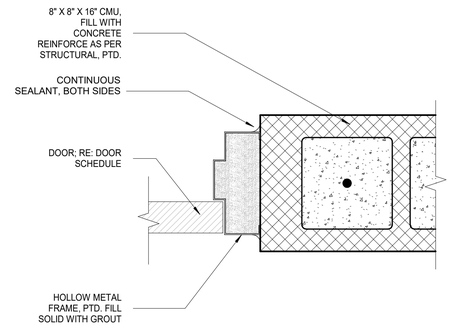
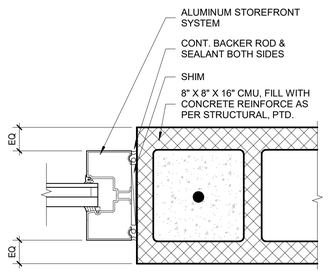


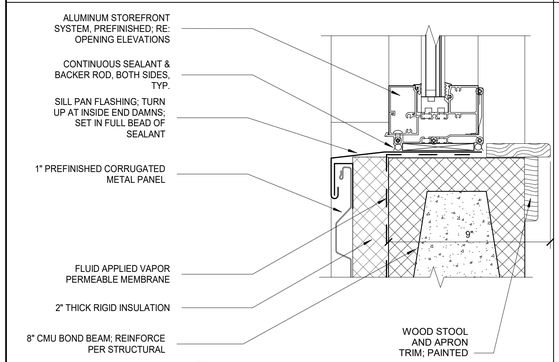
6 JAMB DETAIL @ STOREFRONT
3" = 1'-0"



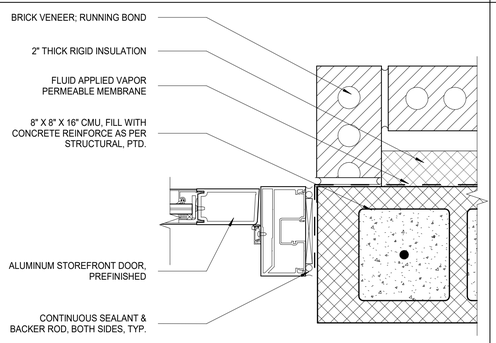
9 HM FRAME JAMB DETAIL
3" = 1'-0"



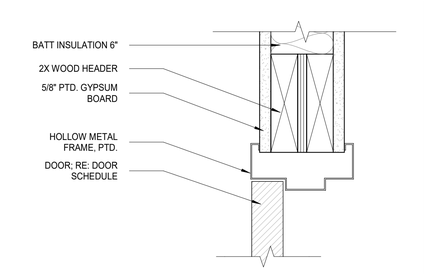
10 JAMB DETAIL - ALUM
3" = 1'-0"



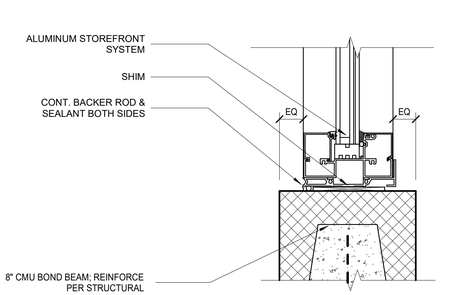
11 SILL DETAIL @ STOREFRONT
3" = 1'-0"



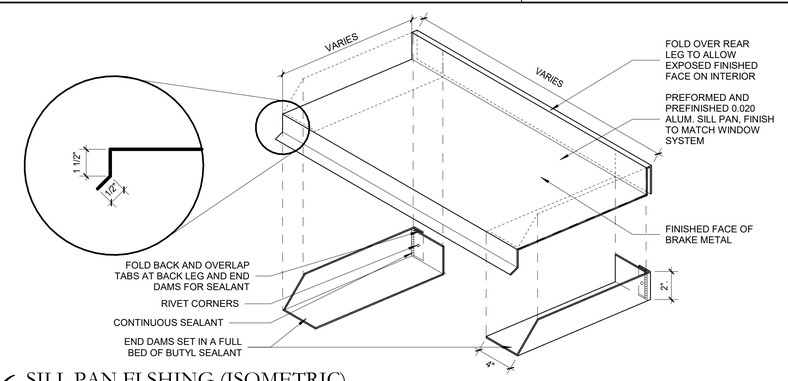
12 JAMB DETAIL @ STOREFRONT DOOR
3" = 1'-0"



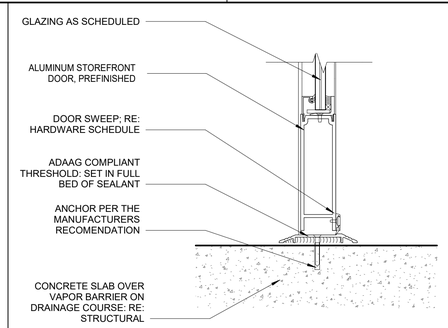
14 HM FRAME HEAD DETAIL
3" = 1'-0"



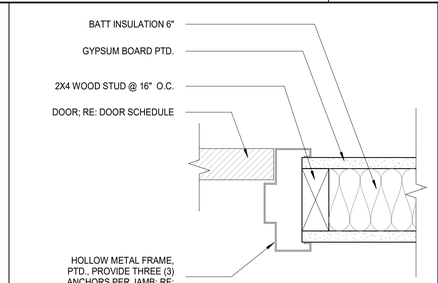
15 SILL DETAIL - ALUM
3" = 1'-0"



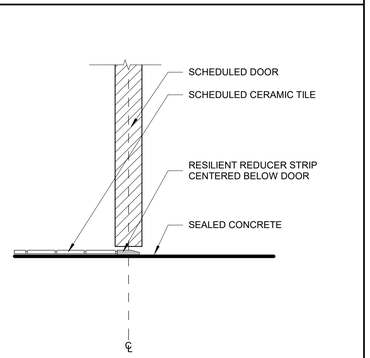
16 SILL PAN FLSHING (ISOMETRIC)
3" = 1'-0"



18 STOREFRONT THRESHOLD DETAIL
3" = 1'-0"



19 HM FRAME JAMB DETAIL
3" = 1'-0"



20 DETAIL - FLOORING TRANSITION
3" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT
NO. 6217
STATE OF LOUISIANA
REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

A311

OPENING DETAILS

H/S

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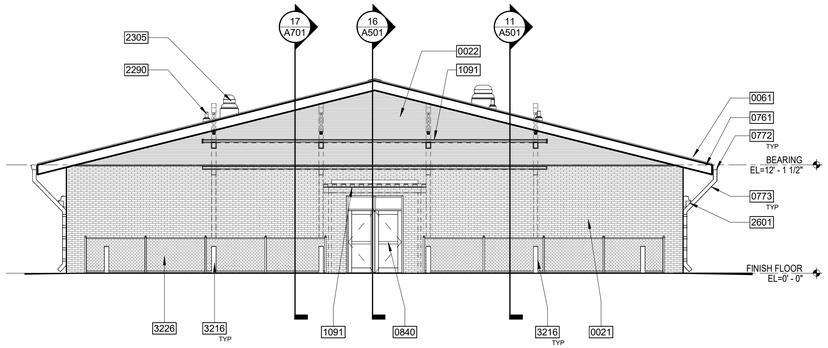
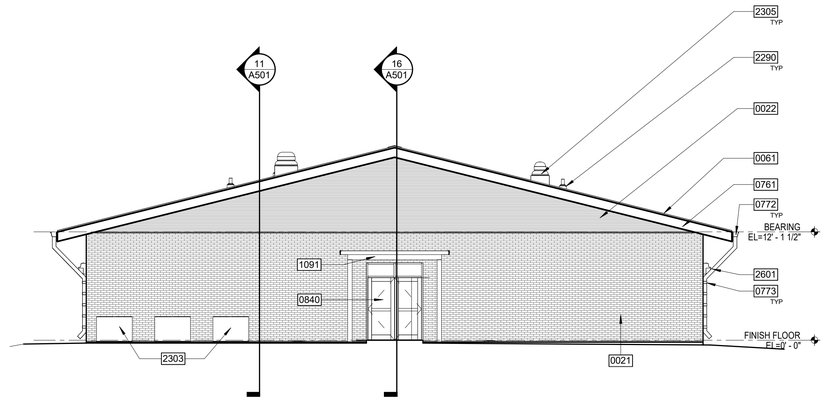
1" 1/2" 1" 6" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



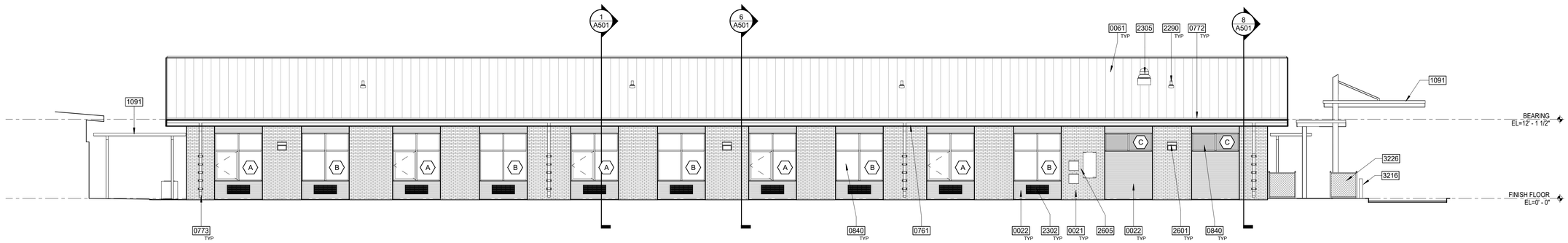
1 SOUTH ELEVATION
1/8" = 1'-0"



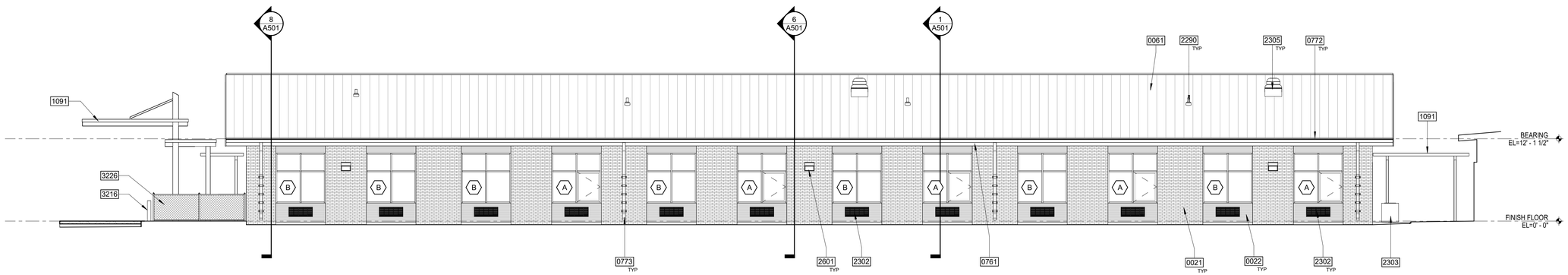
3 NORTH ELEVATION
1/8" = 1'-0"

KEYNOTE LEGEND

0021	WALL ASSEMBLY #1: MODULAR BRICK VENEER, 1-1/8" AIR SPACE, 2" RIGID INSULATION, FLUID APPLIED VAPOR BARRIER ON 8" CMU
0022	WALL ASSEMBLY #2: PREFINISHED CONCEALED FASTENER CORRUGATED METAL WALL PANEL FASTENED TO 2" VERTICAL METAL Z GIRTS W/ 2" RIGID INSULATION BETWEEN Z GIRTS. FLUID APPLIED VAPOR BARRIER ON 8" CMU.
0061	ROOF ASSEMBLY #1: STANDING SEAM METAL ROOFING OVER SELF ADHERED WATERPROOF MEMBRANE OVER 3" RIGID INSULATION ON 3/4" PLYWOOD DECK WITH "H" CLIPS
0761	PREFINISHED METAL FASCIA
0772	PREFINISHED METAL GUTTER
0773	PREFINISHED METAL DOWNSPOUT
0840	ALUMINUM STOREFRONT SYSTEM, PREFINISHED; RE: OPENING ELEVATIONS
1091	DELEGATED DESIGN PRE-ENGINEERED AND PREFINISHED ALUMINUM CANOPY SYSTEM WITH INTEGRATED DRAINAGE
2290	VENT STACK; RE: PLUMBING
2302	RE: 12/A101 PTAC WALL UNIT; RE: MECHANICAL
2303	HVAC CONDENSER; RE: MECHANICAL
2305	ROOFTOP MOUNTED MECHANICAL EQUIPMENT; RE: MECHANICAL
2601	LIGHT FIXTURE; RE: ELECTRICAL
2605	ELECTRICAL SERVICE ENTRANCE; RE: ELECTRICAL
3216	STEEL BOLLARD, PTD.
3226	CHAIN LINK FENCE; RE: A111



11 WEST ELEVATION
1/8" = 1'-0"



16 EAST ELEVATION
1/8" = 1'-0"

1" ½" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT No. 6212 STATE OF LOUISIANA REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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A401

EXTERIOR ELEVATIONS

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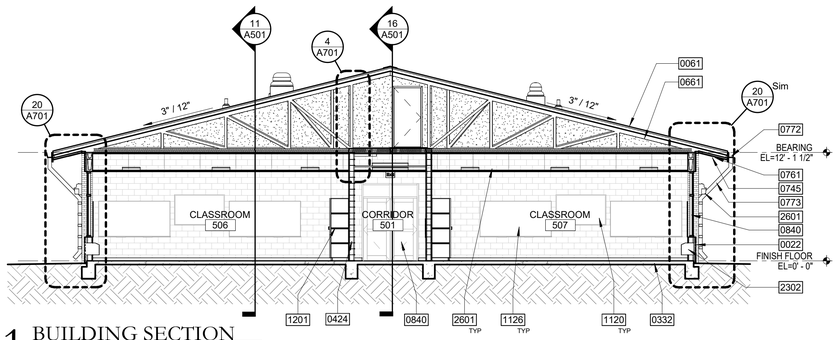


1 BUILDING SECTION

1/8" = 1'-0"

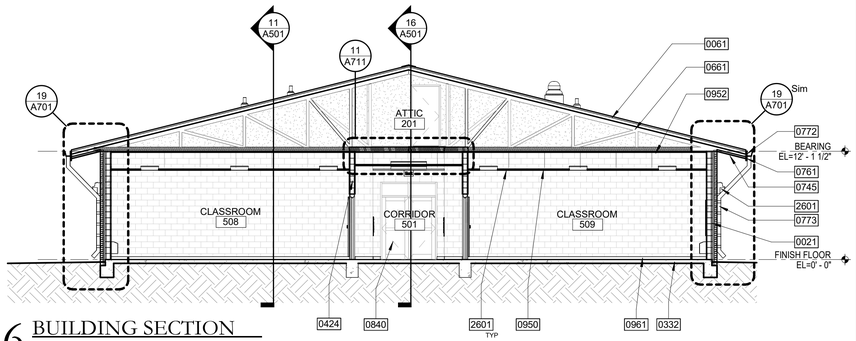
3 NOT USED

KEYNOTE LEGEND

0021	WALL ASSEMBLY #1: MODULAR BRICK VENEER, 1-1/8" AIR SPACE, 2" RIGID INSULATION, FLUID APPLIED VAPOR BARRIER ON 8" CMU
0022	WALL ASSEMBLY #2: PREFINISHED CONCEALED FASTENER CORRUGATED METAL WALL PANEL FASTENED TO 2" VERTICAL METAL Z GIRTS W/ 2" RIGID INSULATION BETWEEN Z GIRTS. FLUID APPLIED VAPOR BARRIER ON 8" CMU.
0061	ROOF ASSEMBLY #1: STANDING SEAM METAL ROOFING OVER SELF ADHERED WATERPROOF MEMBRANE OVER 3" RIGID INSULATION ON 3/4" PLYWOOD DECK WITH "H" CLIPS
0332	CONCRETE SLAB AND FOUNDATIONS; RE: STRUCTURAL
0371	NEW CONCRETE SIDEWALK; RE: CIVIL
0424	8" X 8" X 16" CMU, FILL WITH CONCRETE REINFORCE AS PER STRUCTURAL, PTD.
0615	SMOKE RATED WALL AT ATTIC CORRIDOR PASSAGEWAYS, INSTALL TYPE X GYPSUM BOARD ON EACH SIDE OF STUD; SEAL ALL EDGES
0618	DRAFT STOP AT WOOD TRUSSES PROVIDE A LAYER OF TYPE X GYPSUM BOARD ON SIDE OF THE TRUSS
0619	1-HOUR RATED WALL AT WOOD TRUSS, PACK WITH BATT INSULATION AND INSTALL TYPE X GYPSUM BOARD ON EACH SIDE; SEAL ALL EDGES; UL U305 ASSEMBLY
0661	PRE-ENGINEERED WOOD TRUSS, RE: STRUCTURAL

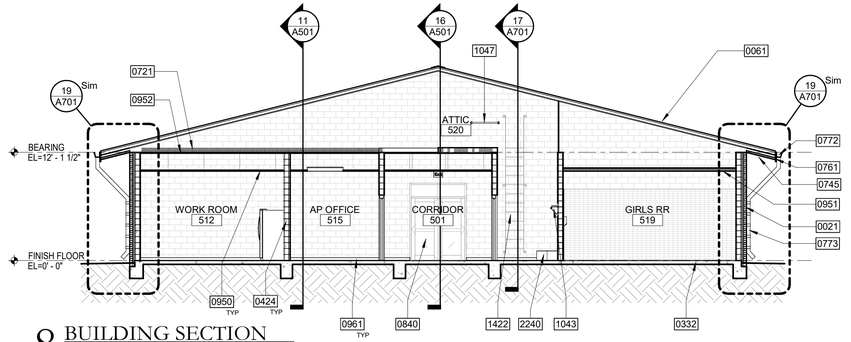
KEYNOTE LEGEND

0721	BATT INSULATION 6"
0745	PREFINISHED CORRUGATED METAL PANEL SOFFIT
0761	PREFINISHED METAL FASCIA
0772	PREFINISHED METAL GUTTER
0773	PREFINISHED METAL DOWNSPOUT
0840	ALUMINUM STOREFRONT SYSTEM, PREFINISHED; RE: OPENING ELEVATIONS
0950	SUSPENDED ACOUSTIC PANEL CEILING SYSTEM
0951	GYPSUM BOARD CEILING; PTD.
0952	PREFINISHED PERFORATED CORRUGATED ACOUSTICAL METAL CEILING
0961	SCHEDULED BASE; RE: ROOM SCHEDULE
1043	WALL MOUNTED MOP AND BROOM HOLDER
1047	S.S. TRANSFER 36" BAR
1091	DELEGATED DESIGN PRE-ENGINEERED AND PREFINISHED ALUMINUM CANOPY SYSTEM WITH INTEGRATED DRAINAGE
1120	INTERACTIVE DIGITAL TEACHING DISPLAY (N.I.C.) - OWNER FURNISHED, CONTRACTOR INSTALLED
1123	48" X 48" TACKBOARD WITH ALUMINUM FRAME
1126	96" X 48" WHITEBOARD W/ MARKER TRAY
1201	WOOD CABINETS (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED
1422	STEEL ATTIC ACCESS LADDER
2240	MOP SINK; RE: PLUMBING
2302	PTAC WALL UNIT; RE: MECHANICAL
2601	LIGHT FIXTURE; RE: ELECTRICAL
3216	STEEL BOLLARD, PTD.



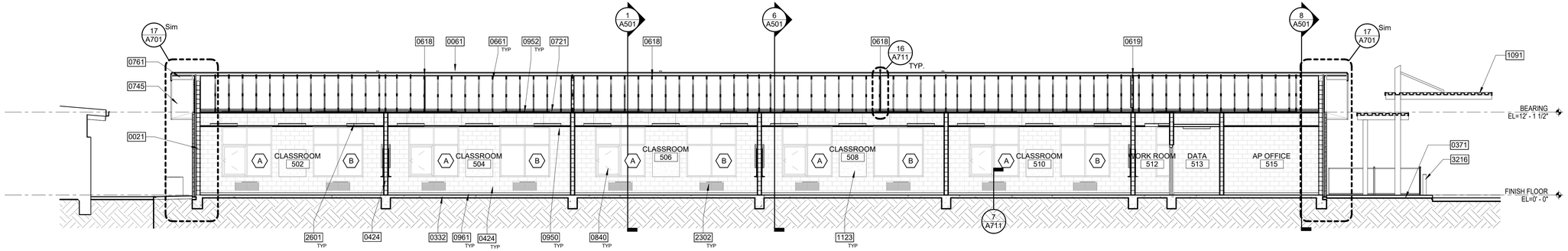
6 BUILDING SECTION

1/8" = 1'-0"



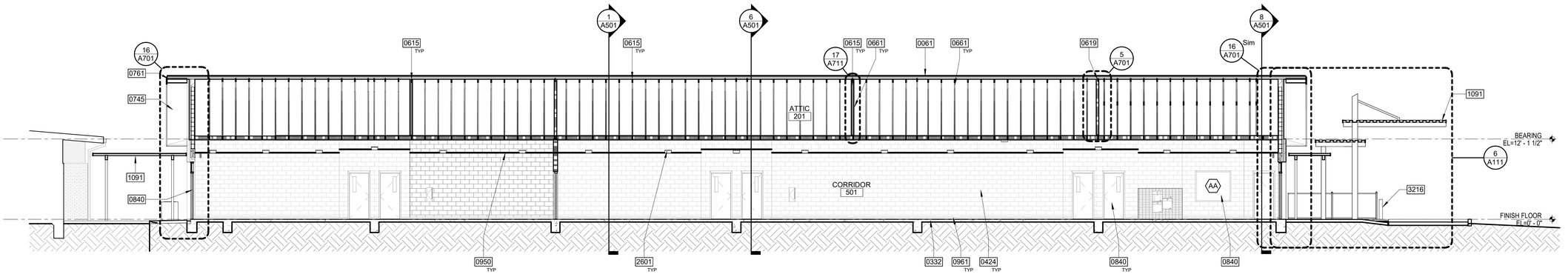
8 BUILDING SECTION

1/8" = 1'-0"



11 BUILDING SECTION

1/8" = 1'-0"



16 BUILDING SECTION

1/8" = 1'-0"

1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

PIERRE E. THERIOT No. 8217 STATE OF LOUISIANA REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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A501

BUILDING SECTIONS

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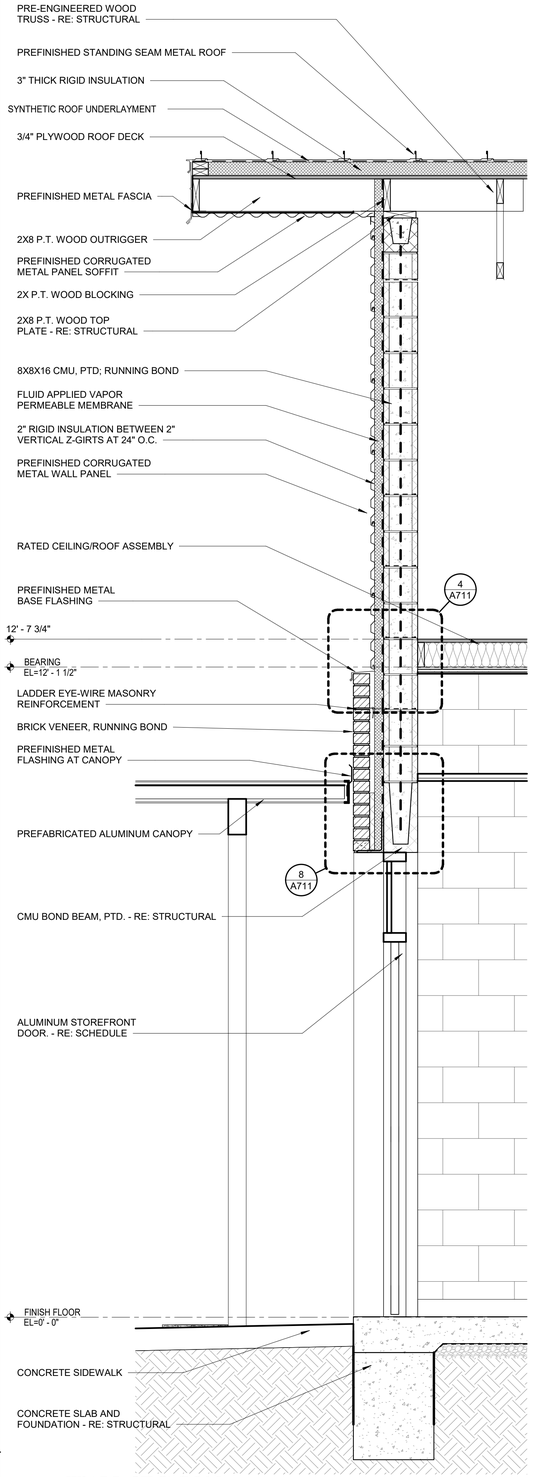
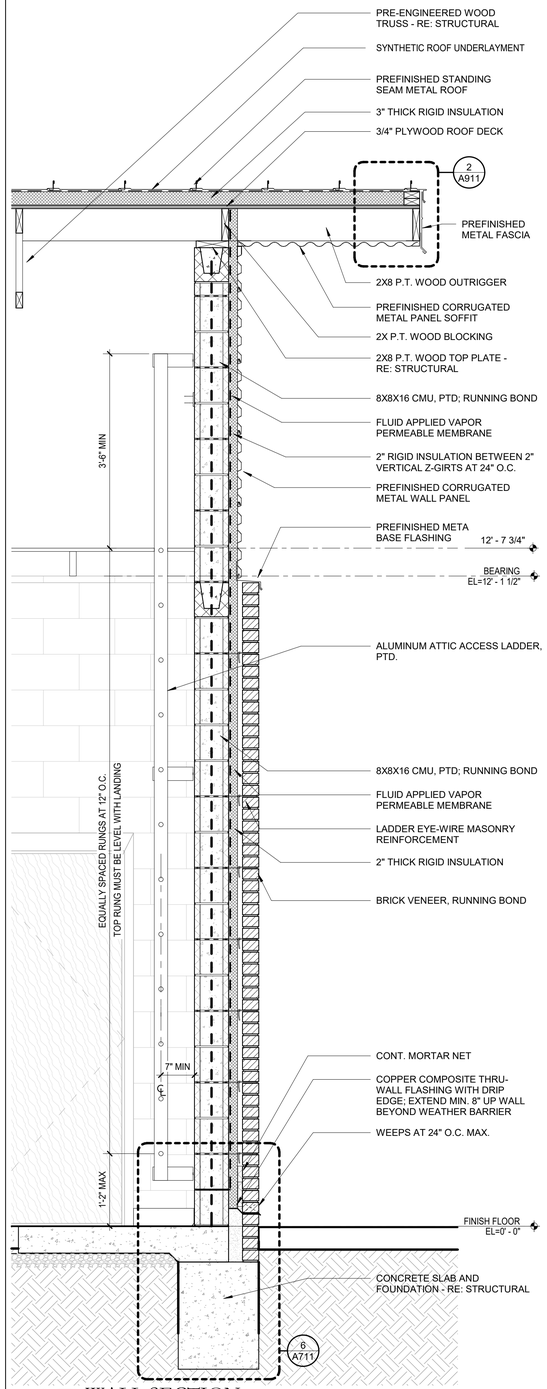
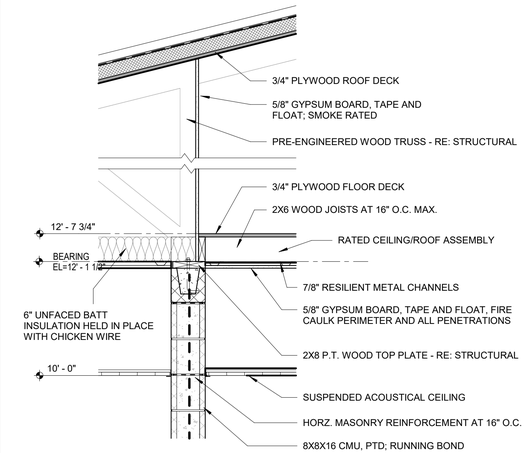


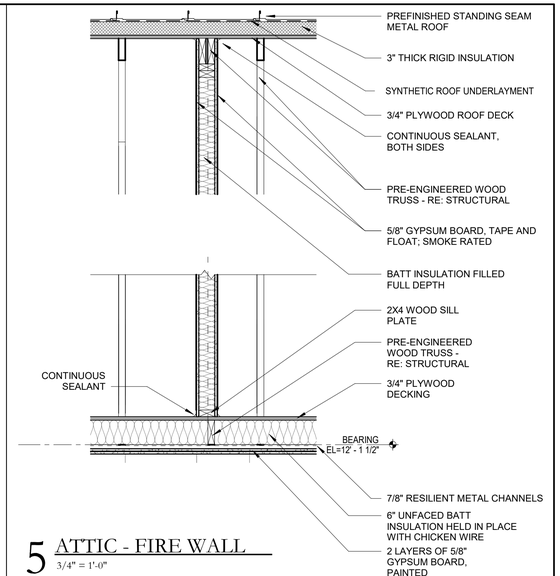
16 WALL SECTION
3/4" = 1'-0"



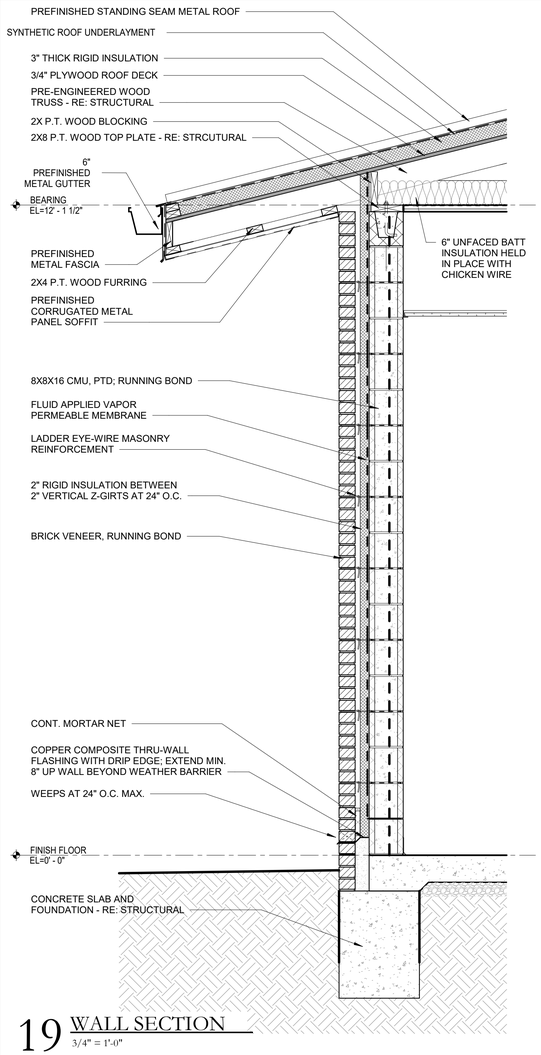
17 WALL SECTION
3/4" = 1'-0"



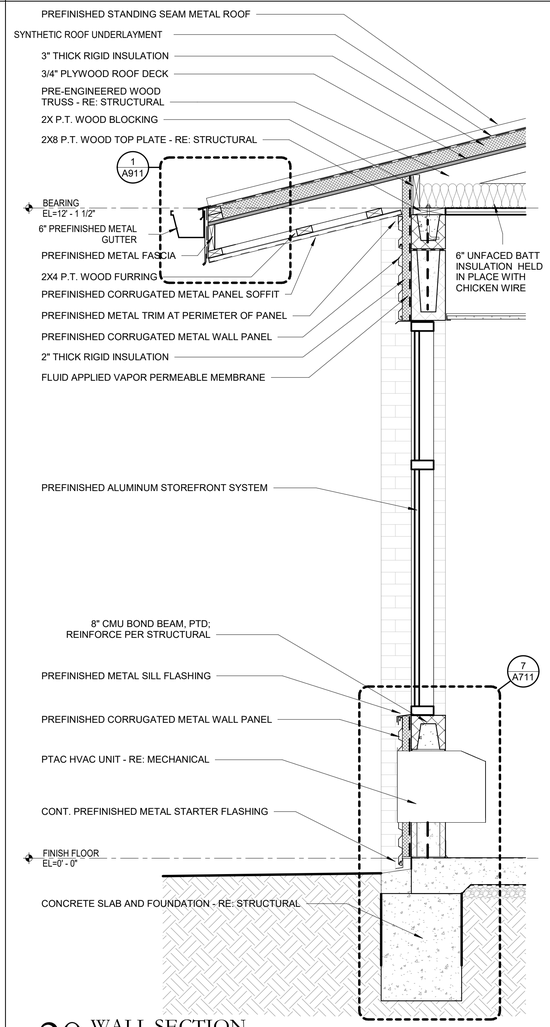
4 ATTIC - BEARING DETAIL
3/4" = 1'-0"



5 ATTIC - FIRE WALL
3/4" = 1'-0"



19 WALL SECTION
3/4" = 1'-0"



20 WALL SECTION
3/4" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT
86 6217
REGISTERED ARCHITECT
STATE OF LOUISIANA

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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WALL SECTIONS

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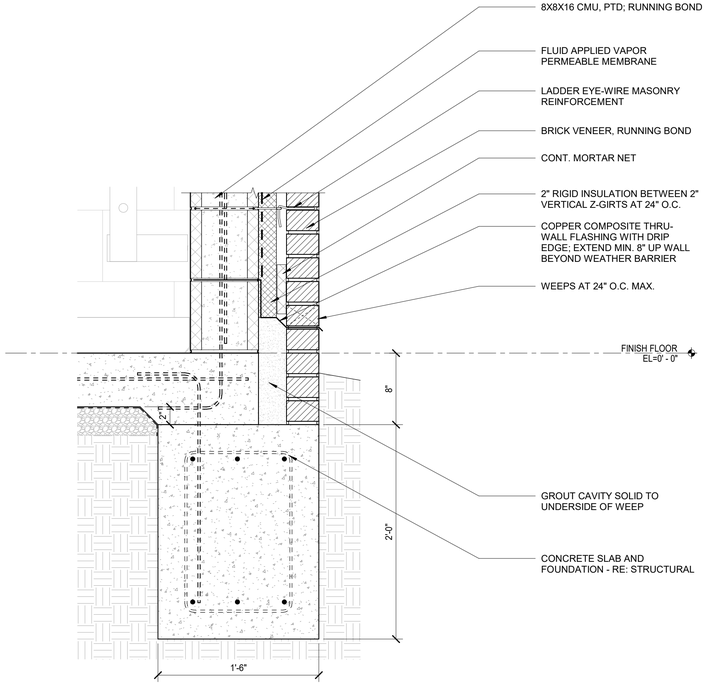
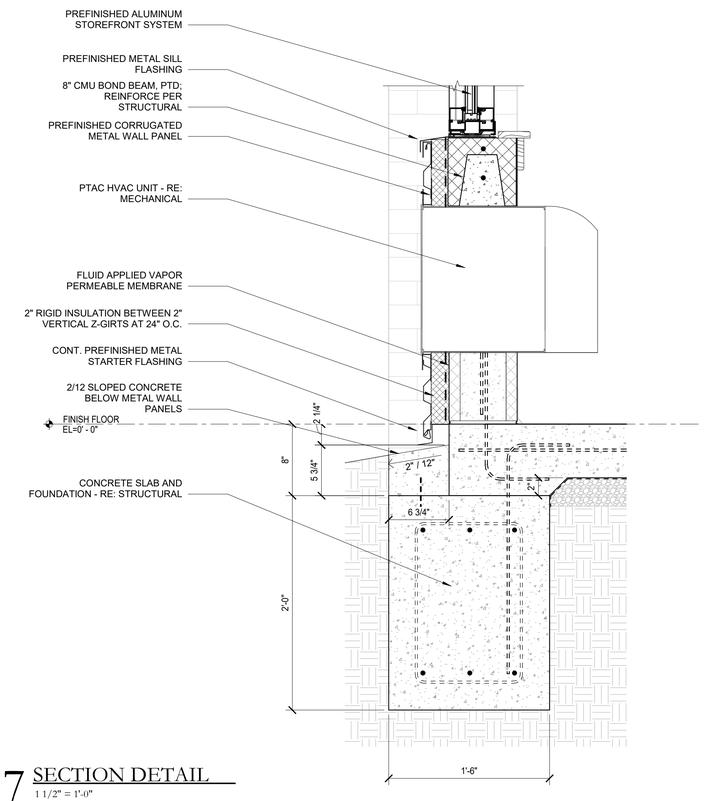


6 SECTION DETAIL
1 1/2" = 1'-0"



7 SECTION DETAIL
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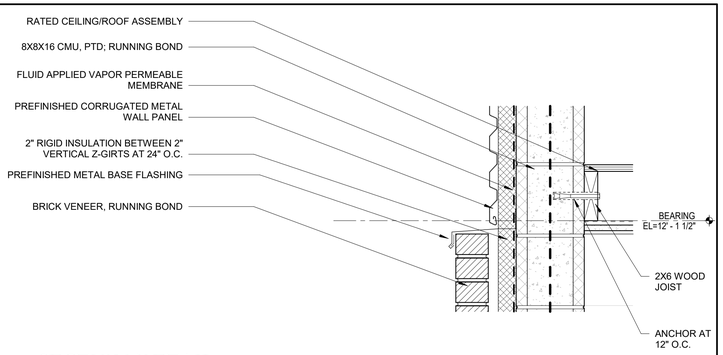

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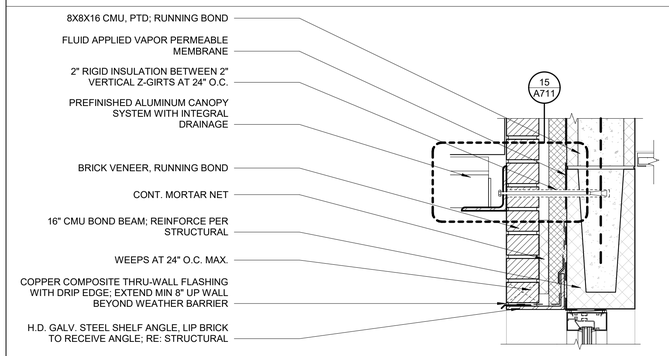
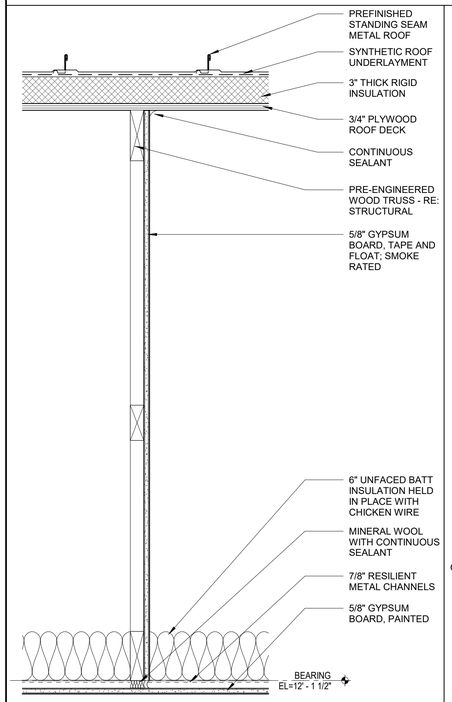
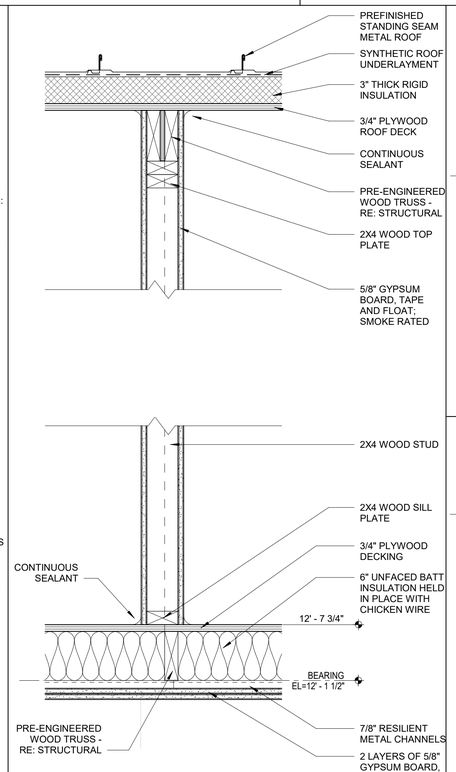


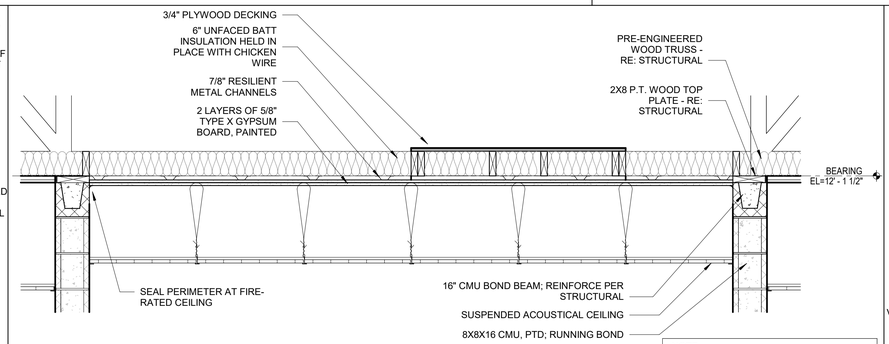
8 SECTION DETAIL
1 1/2" = 1'-0"



16 ATTIC - DRAFT STOP
1 1/2" = 1'-0"



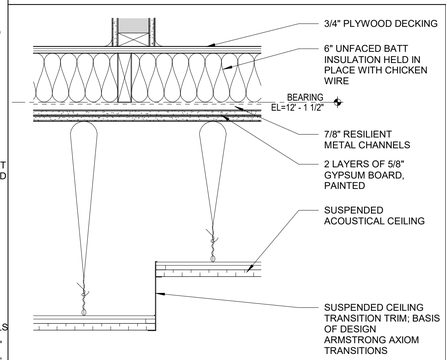
17 ATTIC - SMOKE WALL
1 1/2" = 1'-0"



11 CORRIDOR CEILING
3/4" = 1'-0"

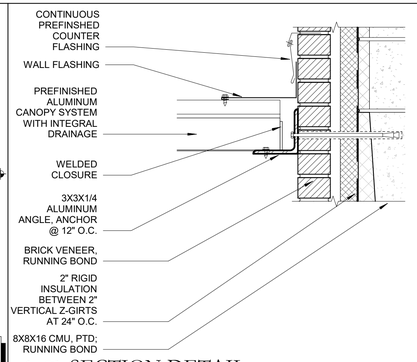
NOTE:

GYPSUM BOARD HARD CEILING AT CORRIDOR IS A 1-HOUR RATED ASSEMBLY. PROVIDE A LEVEL 2 FINISH ON CORRIDOR GYP. BD. CEILING.



18 CEILING TRANSITION DETAIL
1 1/2" = 1'-0"

19 NOT USED



15 SECTION DETAIL
1 1/2" = 1'-0"

20 NOT USED

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT
NO. 6217
STATE OF LOUISIANA
REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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A711

SECTION DETAILS

H/S

8/31/2026 1:51:20 PM

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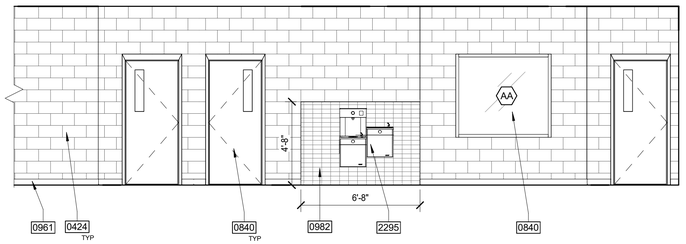
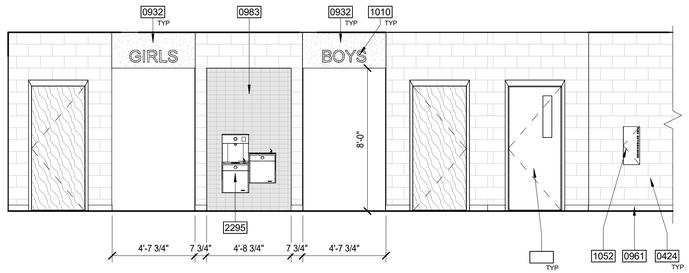
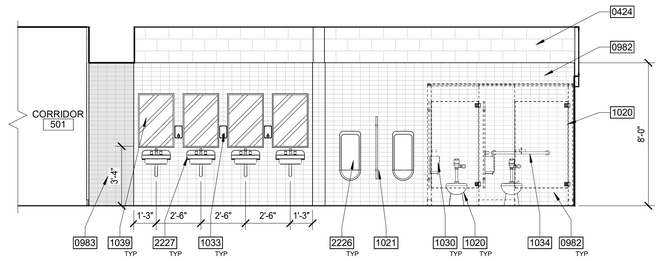
1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



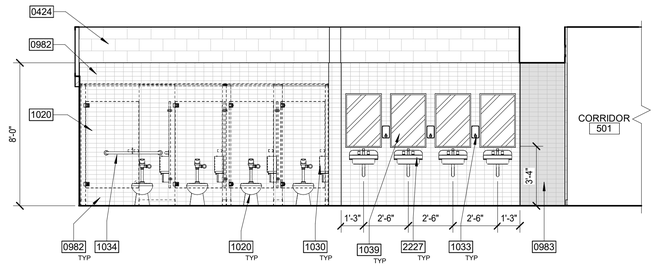
1 CORRIDOR 101 - PARTIAL EAST ELEVATION
1/4" = 1'-0"



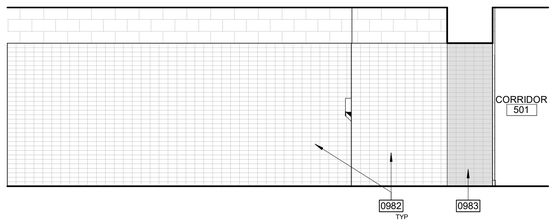
3 CORRIDOR 101 - PARTIAL WEST ELEVATION
1/4" = 1'-0"



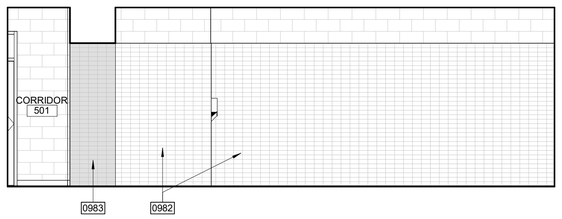
6 BOYS RR 518 - SOUTH ELEVATION
1/4" = 1'-0"



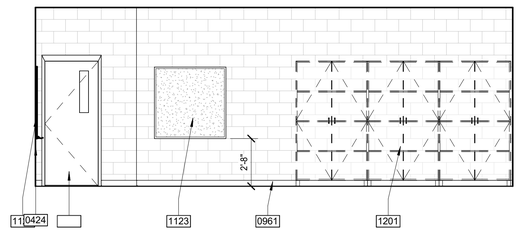
8 GIRLS 519 - NORTH ELEVATION
1/4" = 1'-0"



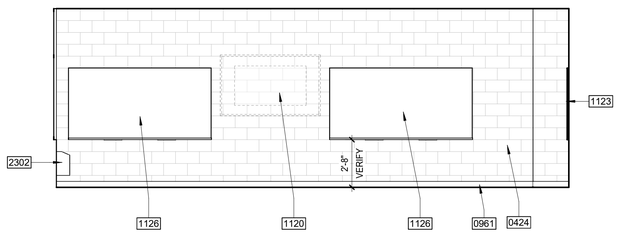
2 BOYS RR 518 - NORTH ELEVATION
1/4" = 1'-0"



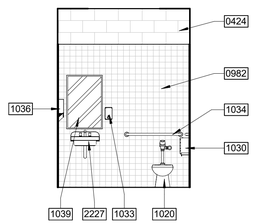
4 GIRLS 519 - SOUTH ELEVATION
1/4" = 1'-0"



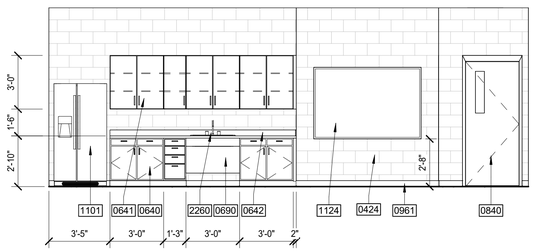
11 TYPICAL CLASSROOM SIDEWALL
1/4" = 1'-0"



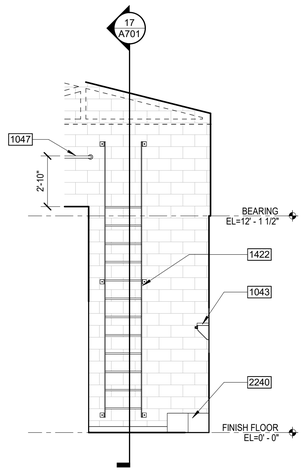
13 TYP. CLASSROOM TEACHING WALL
1/4" = 1'-0"



17 RESTROOM 114 - NORTH ELEV.
1/4" = 1'-0"



18 WORKROOM 112 - WEST ELEVATION
1/4" = 1'-0"



20 JANITOR 117
1/4" = 1'-0"

KEYNOTE LEGEND

0424	8" X 8" X 16" CMU, FILL WITH CONCRETE REINFORCE AS PER STRUCTURAL, PTD.
0640	3/4" PLYWOOD BASE CABINETS WITH PLASTIC LAMINATE ALL SURFACES AND EDGES
0641	3/4" PLYWOOD UPPER CABINETS WITH PLASTIC LAMINATE ALL SURFACES
0642	3/4" PLYWOOD COUNTERTOP AND BACKSPLASH WITH PLASTIC LAMINATE [(PL-2)]
0690	3/4" PLYWOOD WITH PLASTIC LAMINATE MODESTY PANEL WITH HARDWOOD EDGE
0840	ALUMINUM STOREFRONT SYSTEM, PREFINISHED; RE: OPENING ELEVATIONS
0932	5/8" PTD. GYPSUM BOARD, ACCENT
0961	SCHEDULED BASE; RE: ROOM SCHEDULE
0982	CERAMIC WALL TILE; FIELD
0983	CERAMIC WALL TILE; ACCENT
1010	8" HIGH VINYL LETTERING
1020	FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITION
1021	WALL MOUNTED URINAL SCREEN WITH CONTINUOUS WALL BRACKET
1030	STAINLESS STEEL TOILET TISSUE DISPENSER, MOUNTED AS PER ADA-ABA REQUIREMENTS
1033	LIQUID SOAP DISPENSER, MOUNTED AS PER ADA-ABA REQUIREMENTS; OWNER-FURNISHED, CONTRACTOR-INSTALLED
1034	ADA-ABA COMPLIANT S.S. GRAB BAR 36" REAR AND 42" SIDE; PROVIDE BLOCKING AS REQ'D
1036	ELECTRIC HAND DRYER; MOUNTED AS PER ADA-ABA REQUIREMENTS
1039	WALL MOUNTED POLISHED STAINLESS STEEL MIRROR, MOUNTED AS PER ADA-ABA REQUIREMENTS
1043	WALL MOUNTED MOP AND BROOM HOLDER
1047	S.S. TRANSFER 36" BAR
1052	SEMI-RECESSED FIRE EXTINGUISHER CABINET AND EXTINGUISHER; SEE G102 FOR MOUNTING HEIGHT
1101	REFRIGERATOR (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED
1120	INTERACTIVE DIGITAL TEACHING DISPLAY (N.I.C.) - OWNER FURNISHED, CONTRACTOR INSTALLED
1123	48" X 48" TACKBOARD WITH ALUMINUM FRAME
1124	72" X 48" TACKBOARD WITH ALUMINUM FRAME
1126	96" X 48" WHITEBOARD W/ MARKER TRAY
1201	WOOD CABINETS (N.I.C.) - OWNER FURNISHED, OWNER INSTALLED
1422	STEEL ATTIC ACCESS LADDER
2226	ADA-ABA COMPLIANT URINAL; RE: PLUMBING
2227	ADA-ABA COMPLIANT LAVATORY; RE: PLUMBING
2240	MOP SINK; RE: PLUMBING
2260	ADA-ABA COMPLIANT STAINLESS STEEL SINK
2295	ADAAG COMPLIANT BI-LEVEL TWO STATION DRINKING FOUNTAIN WITH BOTTLE FILLER
2302	PTAC WALL UNIT; RE: MECHANICAL RE: 7A711

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

PIERRE E. THERIOT
NO. 6217
STATE OF LOUISIANA
REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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BID DOCUMENTS

A801

INTERIOR ELEVATIONS / MILLWORK ELEVATIONS

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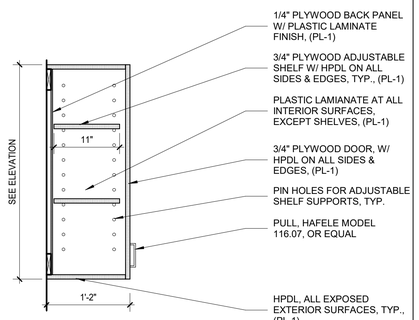
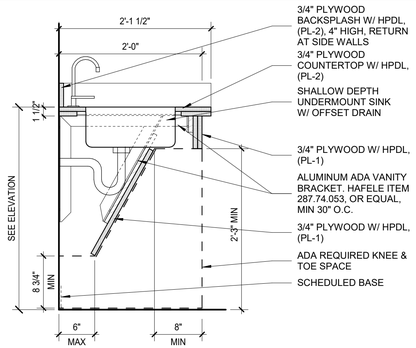
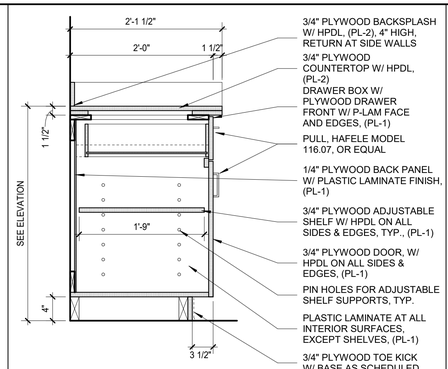
1" 3" 6" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



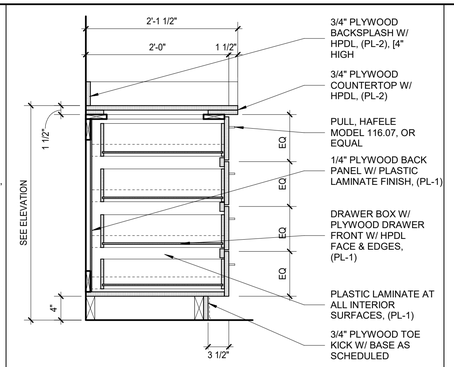
1 UPPER CABINET - CLOSED
1" = 1'-0"



2 SINK BASE - ACCESSIBLE
1" = 1'-0"



3 BASE CABINET - 1 DRAWER
1" = 1'-0"



4 BASE CABINET - 4 DRAWERS
1" = 1'-0"

5 NOT USED

6 NOT USED

7 NOT USED

8 NOT USED

9 NOT USED

10 NOT USED

11 NOT USED

12 NOT USED

13 NOT USED

14 NOT USED

15 NOT USED

16 NOT USED

17 NOT USED

18 NOT USED

19 NOT USED

20 NOT USED

1" 3/4" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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INTERIOR DETAILS / MILLWORK DETAILS

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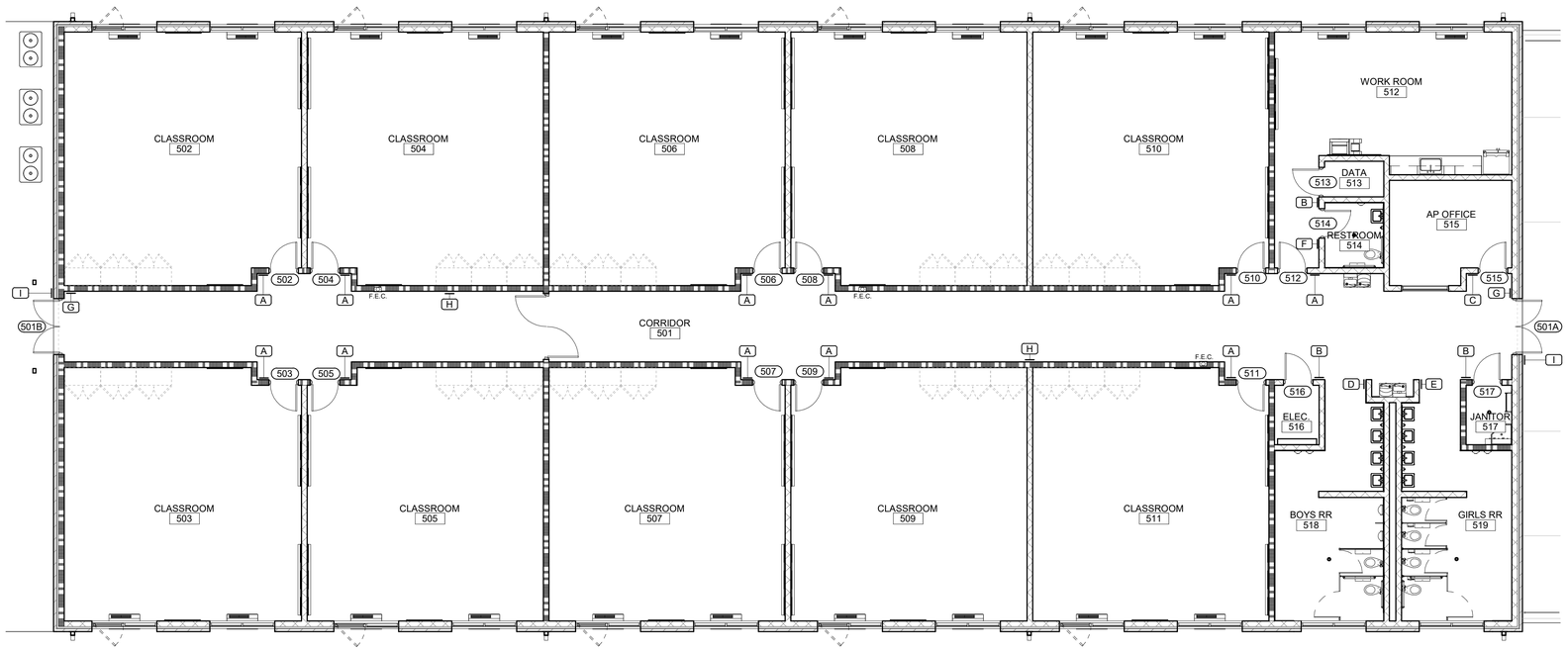
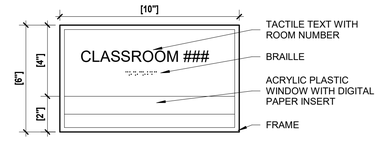


6 FLOOR PLAN SIGNAGE
1/8" = 1'-0"

TRUE NORTH

GENERAL NOTES - SIGNAGE

1. VERIFY EXACT INFORMATION TO BE PLACED ON SIGNAGE WITH THE ARCHITECT PRIOR TO SHOP DRAWING SUBMITTAL.
2. VERIFY EXACT FONT TYPE AND LETTER HEIGHT WITH ARCHITECT PRIOR TO SHOP DRAWING SUBMITTAL.
3. GENERAL CONTRACTOR TO COORDINATE ARTWORK AND GRAPHICS FOR SIGNAGE WITH OWNER AND ARCHITECT. OWNER & ARCHITECT WILL PROVIDE BASE INFORMATION IN ELECTRONIC FORMAT & GRAPHICS. GEN. CONTRACTOR TO PROVIDE CAMERA READY ARTWORK TO SIGNAGE MANUFACTURER.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL SIGNAGE INFORMATION.
5. CHARACTERS MUST BE RAISED MINIMUM 1/32".
6. CHARACTERS MUST BE ACCOMPANIED BY GRADE 2 BRAILLE.
7. CHARACTERS MUST HAVE WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1.
8. TACTILE CHARACTERS MUST BE MIN. 5/8" HIGH, MAX. 2", ALL CAPS, AND MUST ADEQUATELY CONTRAST BACKGROUND.
9. CHARACTER & BACKGROUND MUST BE EGGSHELL OR OTHER NON-GLARE FINISH.
10. ALL EXTERIOR SIGNS SHALL BE POWDER COATED ALUMINUM.
11. INSTALL SIGNS ON 1/4" STAND OFFS WHEN MOUNTING TO BUILDING EXTERIOR. TYPICAL.
12. MOUNT SIGNS TO AVOID DOOR SWING AND PROTRUDING OBJECTS.
13. MOUNT SIGNS ON WALL ADJACENT TO THE LATCH SIDE OF THE DOOR U.N.O. IF DOOR IS ADJACENT TO SIDELIGHT, MOUNT TO GLASS AS PER GENERAL NOTE #18.
14. MOUNTING HEIGHT OF 60" FROM FLOOR TO CENTERLINE OF SIGN, UNLESS OTHERWISE NOTED.
15. MINIMUM 80" CLEARANCE BETWEEN OVERHEAD SIGN AND FLOOR.
16. SIGN MANUFACTURER TO PROVIDE & INSTALL ALL INITIAL PAPER SIGN INSERTS.
17. ALL LETTER FONTS TO BE VERIFIED BY OWNER & ARCHITECT PRIOR TO SHOP DRAWINGS SUBMITTAL.
18. IF SIGN IS TO BE MOUNTED ON GLASS, PROVIDE SOLID BACK ON OPPOSITE GLASS SIDE.
19. DOOR NUMBERING TO BE PROVIDED DURING FINAL SHOP DRAWINGS.
20. ALL SIGNS TO COMPLY WITH ADAAG REQUIREMENTS FOR TEXT, SIZE, & GRAPHIC SIZES.



10 CLASSROOM ID - TYPE A
3" = 1'-0"

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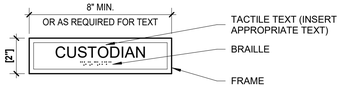
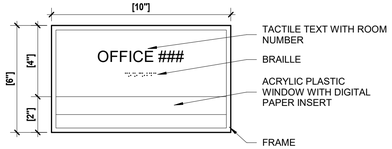
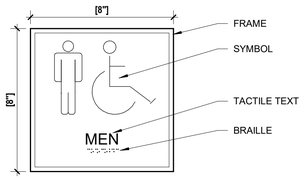


11 ROOM ID - TYPE B
3" = 1'-0"



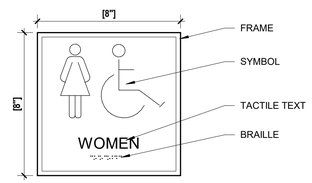
12 OFFICE ID - TYPE C
3" = 1'-0"



13 RESTROOM ID - TYPE D
3" = 1'-0"

SIGNAGE SCHEDULE - 500 WING

Room Number	Room Name	Door #	Sign Type	Sign Text	Comments
502	CLASSROOM	502	A	CLASSROOM	-
503	CLASSROOM	503	A	CLASSROOM	-
504	CLASSROOM	504	A	CLASSROOM	-
505	CLASSROOM	502	A	CLASSROOM	-
506	CLASSROOM	506	A	CLASSROOM	-
507	CLASSROOM	507	A	CLASSROOM	-
508	CLASSROOM	508	A	CLASSROOM	-
509	CLASSROOM	509	A	CLASSROOM	-
510	CLASSROOM	510	A	CLASSROOM	-
511	CLASSROOM	511	A	CLASSROOM	-
512	WORKROOM	512	A	WORKROOM	-
513	DATA	513	B	DATA	-
516	ELEC.	516	B	ELECTIRCAL	-
517	JANITOR	517	B	JANITOR	-
515	AP OFFICE	515	C	OFFICE	-
518	BOYS RR	518	D	BOYS	-
519	GIRLS RR	519	E	GIRLS	-
514	FACULTY RR	514	F	FACULTY	-
105	CORRIDOR	501A	G	EXIT	-
501	CORRIDOR	501B	G	EXIT	-
501	CORRIDOR	N/A	H	EVACUATION	-
501	CORRIDOR	N/A	H	EVACUATION	-
501	N/A	501B	I	500 WING	EXTERIOR
501	N/A	501A	I	500 WING	EXTERIOR



16 RESTROOM ID - TYPE E
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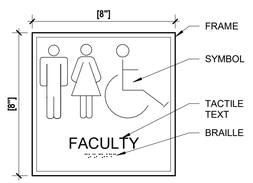
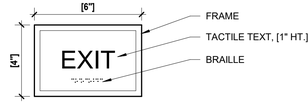
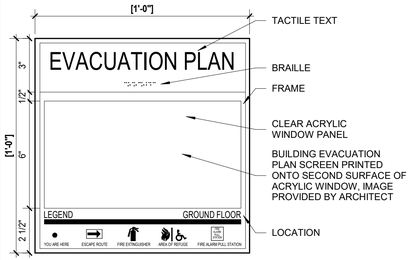


17 RESTROOM ID - TYPE F
3" = 1'-0"

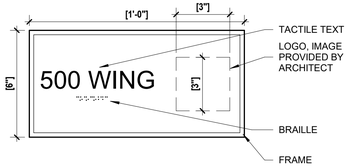


18 EXIT ID - TYPE G
3" = 1'-0"

NOTE: ONE (1) "YOU ARE HERE" LEGEND SYMBOL SHALL BE USED PER SIGN AT THE SIGN LOCATION. REFER TO SIGNAGE PLANS FOR EVACUATION PLAN SIGN LOCATIONS.



19 EVACUATION - TYPE H
3" = 1'-0"



20 EXTERIOR - TYPE I
3" = 1'-0"

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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A821

SIGNAGE

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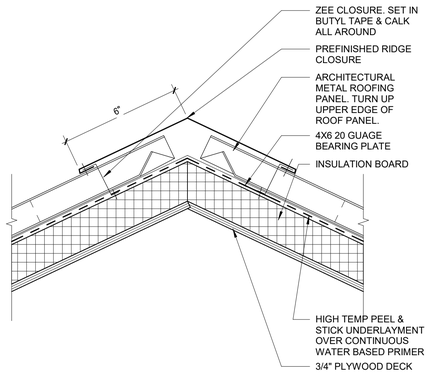
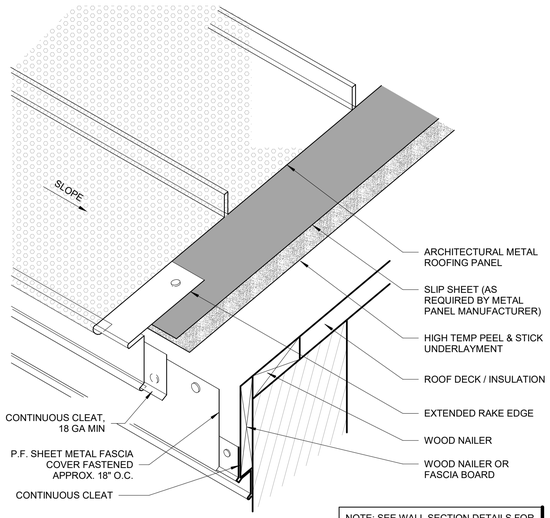
1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

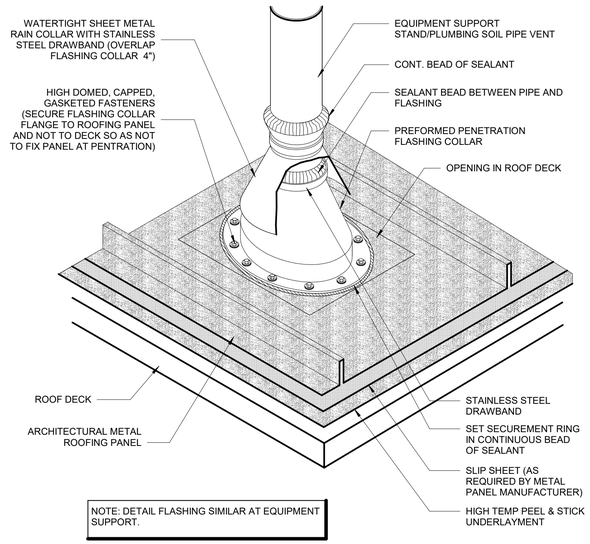


1 RF RIDGE
1 1/2" = 1'-0"



NOTE: SEE WALL SECTION DETAILS FOR ADDITIONAL INFORMATION.

2 DTL @ RAKE EDGE FLSH
3" = 1'-0"



NOTE: DETAIL FLASHING SIMILAR AT EQUIPMENT SUPPORT.

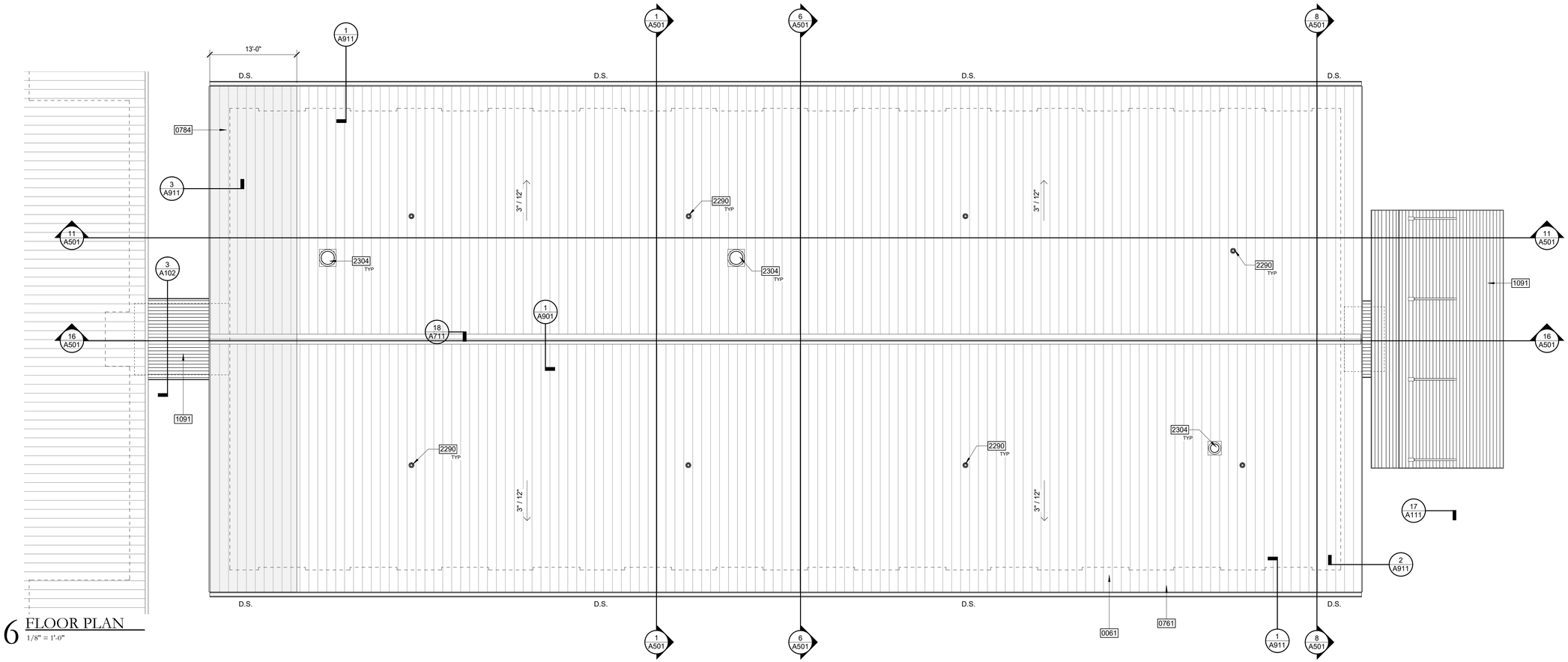
3 EQUIP. SUPPORT STAND / PLUMBING VENT
3" = 1'-0"

GENERAL NOTES

1. SEE SHEET A911 FOR ROOFING DETAILS. WHERE DETAILS ARE NOT SHOWN, PROVIDE STANDARD DETAILS AS RECOMMENDED BY THE ROOFING MANUFACTURER AND NRCA. REPORT ANY DISCREPANCIES BETWEEN DETAILS, MANUFACTURER'S RECOMMENDATIONS, AND FIELD CONDITIONS TO THE ARCHITECT.
2. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EQUIPMENT PENETRATING AND MOUNTED ON ROOF. PROVIDE MINIMUM 10-IN. TALL, FIXED CURBS, ANCHORED TO STRUCTURE, AND FLASHED INTO THE ROOF FOR ALL EQUIPMENT.
3. COAT ALL UNFINISHED EXPOSED ITEMS WITH GALVANIZING PAINT.
4. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR ROOF PENETRATIONS, FLASHINGS, ETC.
5. PROVIDE BEARING PLATE AS REQUIRED FOR STANDING SEAM ROOF PANEL INSTALLATION
6. RIGID INSULATION AT THE ROOF SHALL PROVIDE A COMPRESSIVE STRENGTH OF 25 PSI.

KEYNOTE LEGEND

0061	ROOF ASSEMBLY #1: STANDING SEAM METAL ROOFING OVER SELF ADHERED WATERPROOF MEMBRANE OVER 3" RIGID INSULATION ON 3/4" PLYWOOD DECK WITH "H" CLIPS
0761	PREFINISHED METAL FASCIA
0784	PROVIDE FIRE RETARDANT PLYWOOD SHEATHING @ MIN. 10'-0" OUT FROM EXTERIOR RATED WALL ALONG SOFFIT AND ROOF
1091	DELEGATED DESIGN PRE-ENGINEERED AND PREFINISHED ALUMINUM CANOPY SYSTEM WITH INTEGRATED DRAINAGE
2290	VENT STACK; RE: PLUMBING
2304	GRAVITY VENTILATOR ON ROOF CURB; RE: MECHANICAL



16 FLOOR PLAN
1/8" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

PIERRE E. THERIOT No. 8217 STATE OF LOUISIANA REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	
QUALITY CONTROL	

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ROOF PLAN

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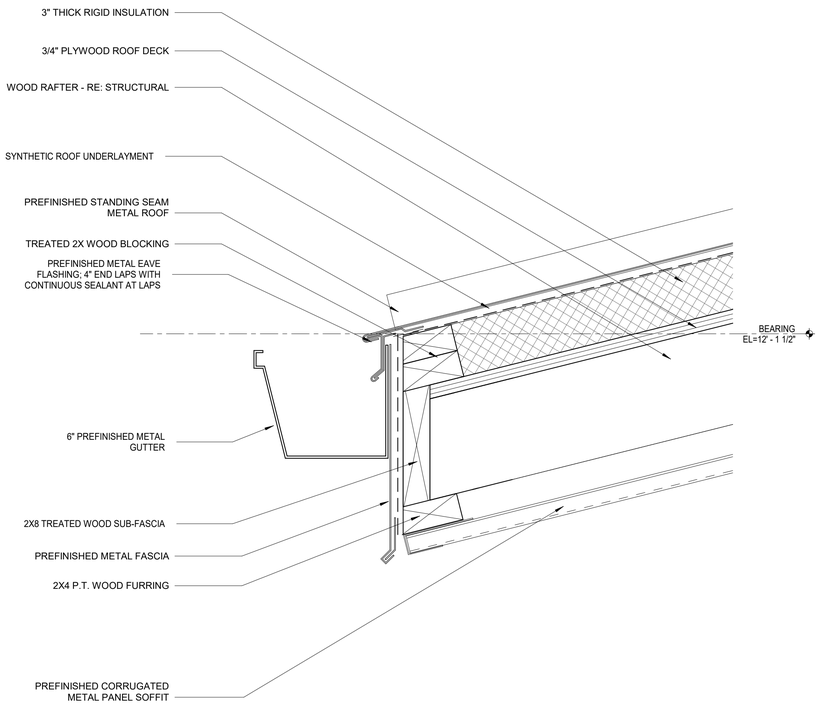
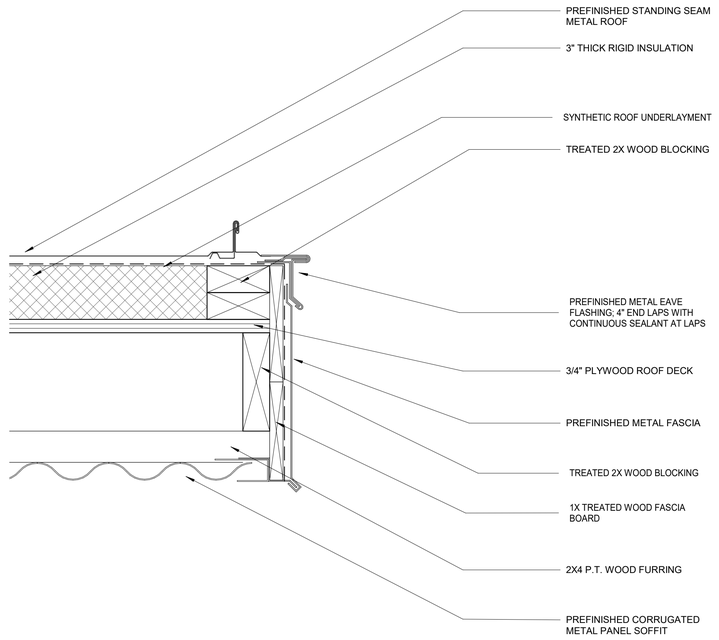


1 ROOF SECTION DETAIL
3" = 1'-0"

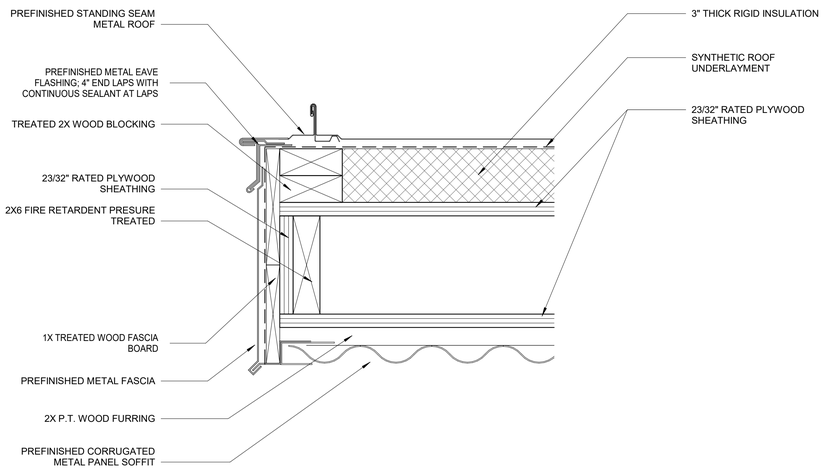


2 ROOF SECTION DETAIL
3" = 1'-0"

GENERAL NOTES

1. SEE SHEET A911 FOR ROOFING DETAILS. WHERE DETAILS ARE NOT SHOWN, PROVIDE STANDARD DETAILS AS RECOMMENDED BY THE ROOFING MANUFACTURER AND NRCA. REPORT ANY DISCREPANCIES BETWEEN DETAILS, MANUFACTURER'S RECOMMENDATIONS, AND FIELD CONDITIONS TO THE ARCHITECT.
2. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EQUIPMENT PENETRATING AND MOUNTED ON ROOF. PROVIDE MINIMUM 10-IN. TALL, FIXED CURBS, ANCHORED TO STRUCTURE, AND FLASHED INTO THE ROOF FOR ALL EQUIPMENT.
3. COAT ALL UNFINISHED EXPOSED ITEMS WITH GALVANIZING PAINT.
4. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR ROOF PENETRATIONS, FLASHINGS, ETC.
5. PROVIDE BEARING PLATE AS REQUIRED FOR STANDING SEAM ROOF PANEL INSTALLATION
6. RIGID INSULATION AT THE ROOF SHALL PROVIDE A COMPRESSIVE STRENGTH OF 25 PSI.

10 NOT USED



3 ROOF SECTION DETAIL
3" = 1'-0"

13 NOT USED

14 NOT USED

15 NOT USED

18 NOT USED

19 NOT USED

20 NOT USED

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10 CLASSROOM ADDITION WITH SITEWORK

PIERRE E. THERIOT
NO. 6217
STATE OF LOUISIANA
REGISTERED ARCHITECT

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
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QUALITY CONTROL	

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ROOF DETAILS

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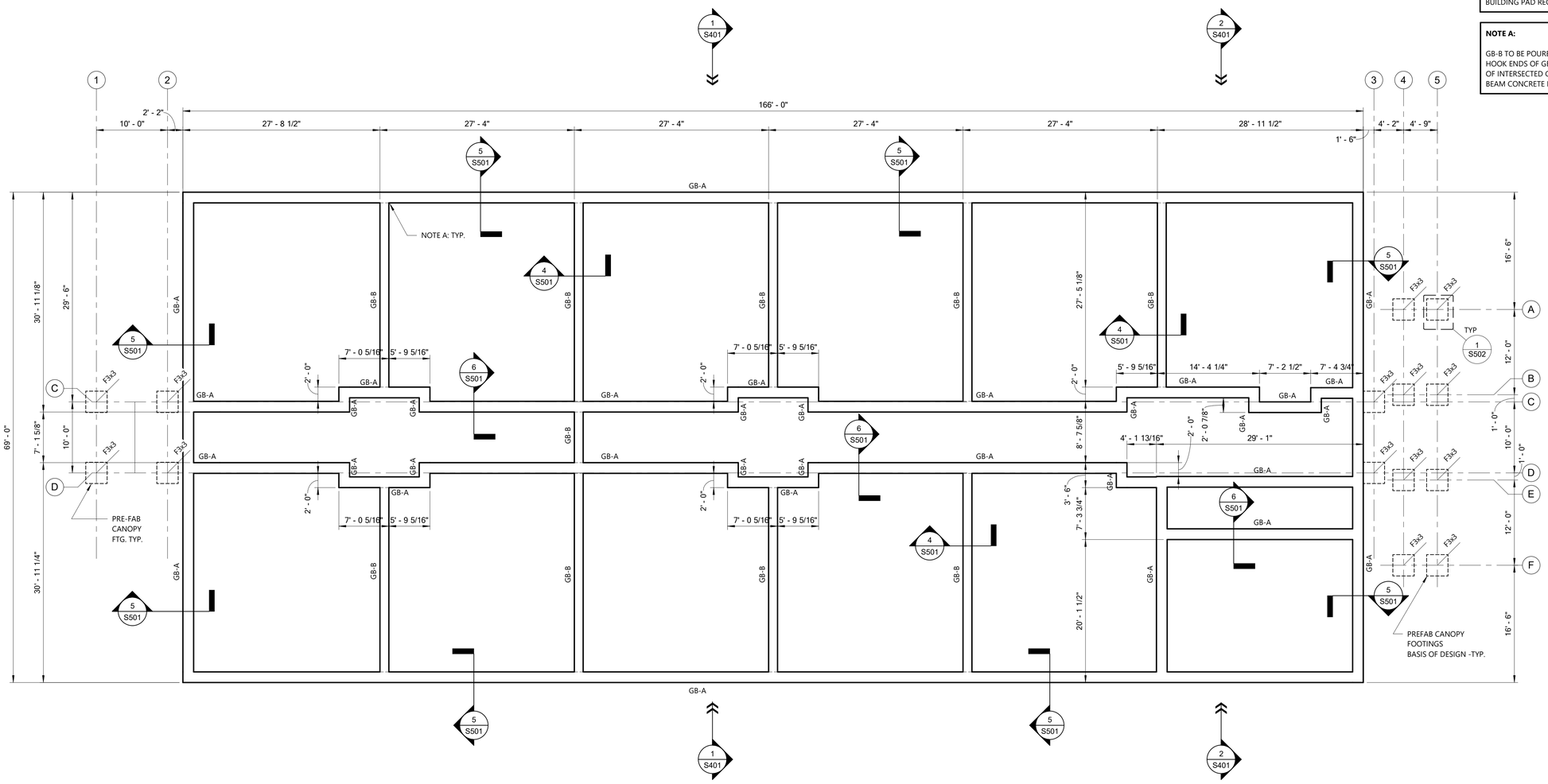
1" 1/2" 0" 1/2" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

GRADE BEAM SCHEDULE					
Mark	Width	Depth	Top Bars	Bottom Bars	Ties
GB-A	1' - 6"	2' - 0"	(2)-#7 CONTINUOUS	(2)-#7 CONTINUOUS	#3 TIES AT 12" O.C.
GB-B	1' - 3"	1' - 0"		(2)-#5 CONTINUOUS	

SPREAD FOOTING SCHEDULE					
Mark	Width	Length	Thickness	El. at Top	Reinforcement
F3x3	3' - 0"	3' - 0"	2' - 0"	SEE SECTION	#5 HOOPS @ 6" O.C. EACH WAY



NORTH

1 FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES AND LEGEND:

THE TOP OF ALL GRADE BEAMS SHALL BE AT EL. -0'-8", UNLESS NOTED OTHERWISE.

THE TOP OF ALL FOOTINGS SHOWN UNDERNEATH GRADE BEAMS SHALL BE AT EL. -2'-8", UNLESS NOTED OTHERWISE.

PROVIDE #5 L-BAR (a= 10", b= 26") DOWELS AT 24" O.C. ALONG TOP OF ALL GRADE BEAMS. SEE FOUNDATIONS DETAILS.

ALL GRADE BEAMS AND SPREAD FOOTINGS SHALL BE PLACED OVER A 2" THICK CONCRETE DRY BOTTOM AS DEEMED APPROPRIATE BY THE CONTRACTOR IF A PRECIPITATION EVENT IS ANTICIPATED BEFORE CONCRETE PLACEMENT. EXPOSED FOOTING AND GRADE BEAM BOTTOMS THAT DO NOT CONTAIN DRY BOTTOMS SHALL NOT BE SUBJECTED TO A PRECIPITATION EVENT PRIOR TO PLACING CONCRETE. THE GRADE BEAM AND SPREAD FOOTING SUBGRADE SHALL BE APPROVED BY THE TESTING AGENCY FOR ADEQUATE BEARING CAPACITY PRIOR TO PLACEMENT OF DRY BOTTOMS/CONCRETE. DRY BOTTOMS/CONCRETE FOOTING SHALL BE PLACED AS SOON AS POSSIBLE AFTER APPROVAL AND NO PRECIPITATION EVENT SHALL OCCUR IN THE TIME BETWEEN APPROVAL AND PLACEMENT. DO NOT PLACE DRY BOTTOM CONCRETE OVER PILES/DRILLED SHAFTS.

SEE GENERAL NOTES FOR FORMING REQUIREMENTS OF FOUNDATION ELEMENTS.

SEE SPECIFICATION 31 2100 FOR EARTH MOVING AT BUILDING PAD REQUIREMENTS.

NOTE A:

GB-B TO BE POURED MONOLITHICALLY WITH SLAB. HOOK ENDS OF GB-B REINFORCING INTO TOP BARS OF INTERSECTED GRADE BEAM PRIOR TO GRADE BEAM CONCRETE PLACEMENT.

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10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA
RYAN G. NESBIT
License No. 31878
REGISTERED PROFESSIONAL ENGINEER
09/17/26
ENGINEERING

NO.	DESCRIPTION	DATE

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PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	RN
QUALITY CONTROL	RN

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FOUNDATION PLAN

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0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

CMU WALL SCHEDULE

WALL TYPE	NOM. THICKNESS	VERTICAL REINF.	HORIZ. REINF. (WIRE)	HORIZ. BOND BEAM	GROUT REQUIREMENT
TYPE 1	8"	#5 @ 24" OC	9 GA. LADDER @ 16" OC	(2)#5 @ TOP OF WALL	PARTIALLY GROUTED
TYPE 2	8"	#5 @ 32" OC	9 GA. LADDER @ 16" OC	(2)#5 @ TOP OF WALL	PARTIALLY GROUTED
TYPE 3	8"	#5 @ 48" OC	9 GA. LADDER @ 16" OC	(1)#5 @ TOP OF WALL	PARTIALLY GROUTED

NOTE: PROVIDE FOUNDATION DOWEL BARS TO MATCH VERTICAL BAR SPACING. SEE FOUNDATION DETAILS.

CMU HEADER SCHEDULE

MARK	MAX OPENING WIDTH	TYPE	SIZE (WxH)	REINF.	MIN. BEARING (EACH END)
H1	4'-0"	CMU BOND BEAM	8"x8"	(2)-#5 BOTTOM	8"
H2	8'-0"	CMU BOND BEAM	8"x16"	(2)-#6 BOTTOM	16"
H3	10'-0"	CMU BOND BEAM	8"x16"	(2)-#5 TOP (2)-#7 BOTTOM	16"

SLAB PLAN NOTES AND LEGEND:

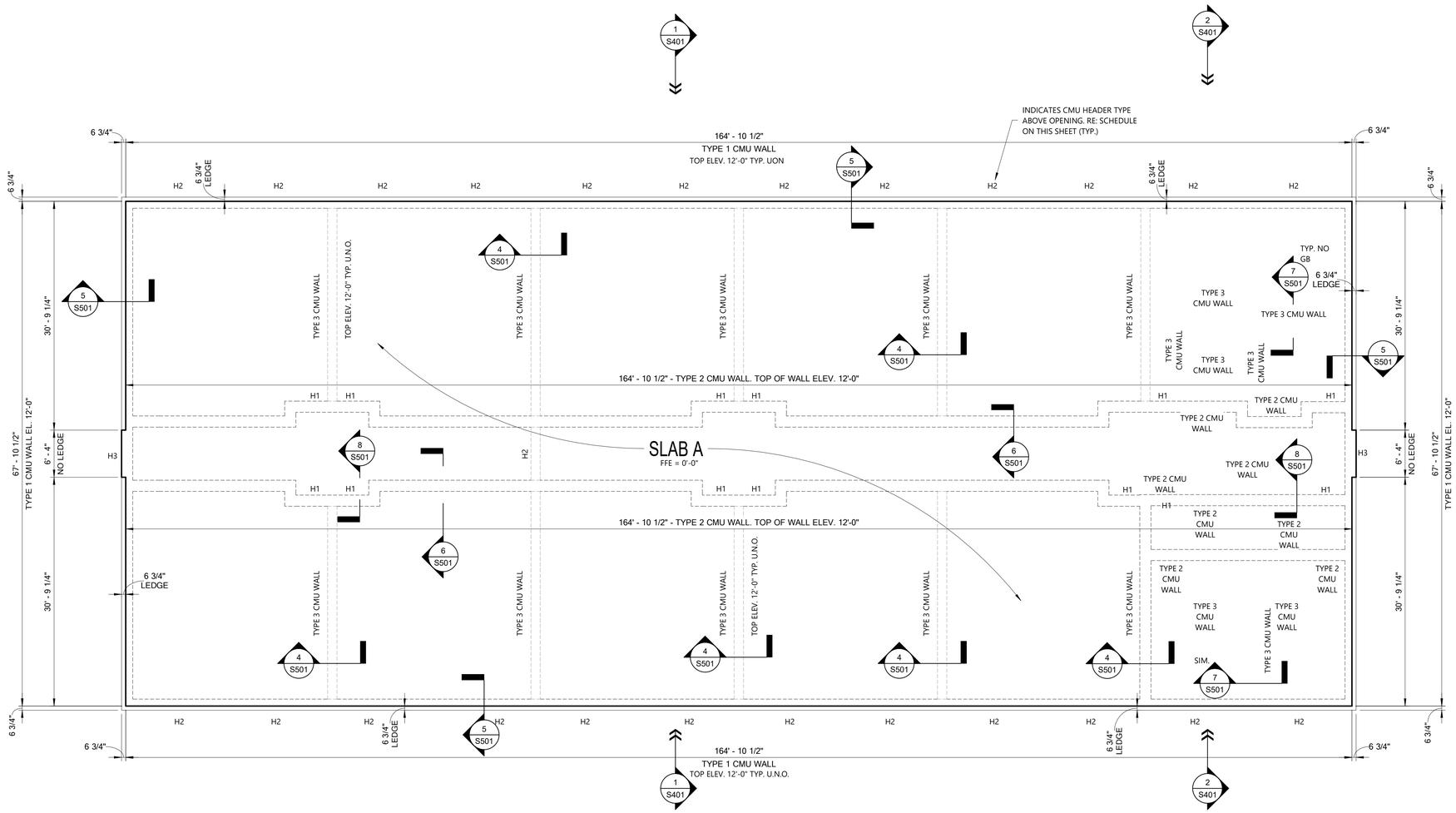
SLAB A = 5" THICK CONCRETE SLAB ON 15 MIL VAPOR RETARDER WITH TAPED JOINTS ON 4" GRAVEL ON COMPACTED FILL. REINFORCE WITH WWF 4x4 W4.0/W4.0 AND #4 BARS AT 48" O.C. EACH WAY. USE CONCRETE BLOCKS AT INTERSECTIONS OF #4 BARS TO KEEP WWF 1-1/2" CLEAR FROM TOP OF SLAB. SUBGRADE SHALL BE INSPECTED BY TESTING AGENCY AFTER COMPACTED FILL IS COMPLETE AND IMMEDIATELY PRIOR TO PLACEMENT OF DRAINAGE COURSE.

CORNER BARS = PROVIDE (3)-#4 BARS 5'-0" LONG CENTERED IN SLAB AT ALL RE-ENTRANT (INSIDE) CORNERS OF SLAB.

SEE DETAIL 9/S501 FOR ADDITIONAL REINFORCEMENT AT SLAB OPENINGS.

SLOPE SLAB AT ALL FLOOR DRAINS (NOT SHOWN) . RE: MECHANICAL/PLUMBING DRAWINGS FOR LOCATIONS OF FLOOR DRAINS. SEE GENERAL NOTES FOR MORE INFORMATION.

SEE DETAIL 9/S603 FOR BRICK LINTEL SCHEDULE.



NORTH

1 SLAB AND CMU WALL LAYOUT PLAN

1/8" = 1'-0"

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10 CLASSROOM ADDITION WITH SITEWORK

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PHASE	BIDDING
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S101

SLAB CMU WALL LAYOUT PLAN

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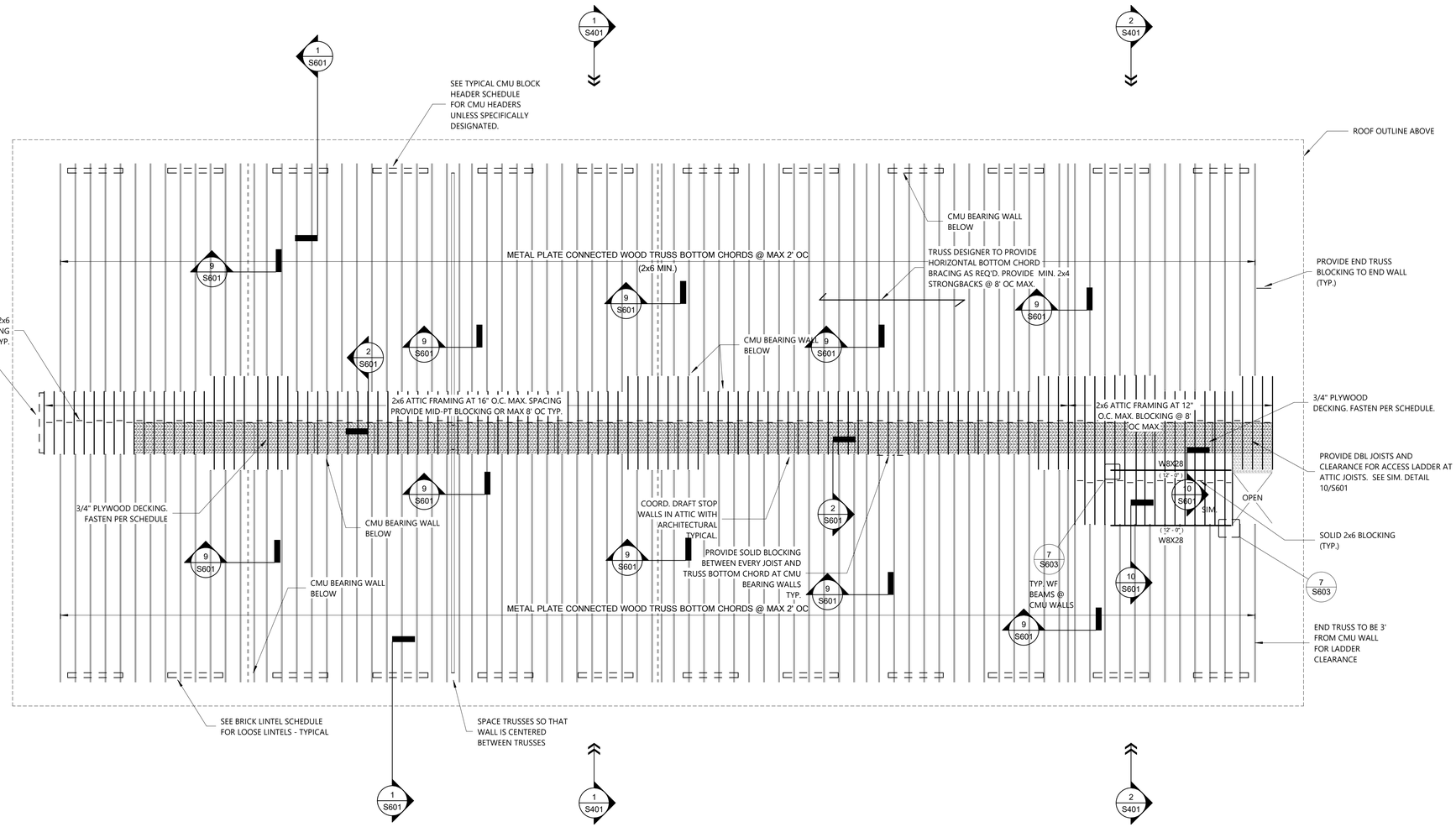

NORTH

1 TRUSS BTM. CHORD/ATTIC FRAMING PLAN

1/8" = 1'-0"

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10 CLASSROOM ADDITION WITH SITEWORK

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PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	RN
QUALITY CONTROL	RN

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TRUSS BTM. CHORD/ATTIC FRAMING PLAN

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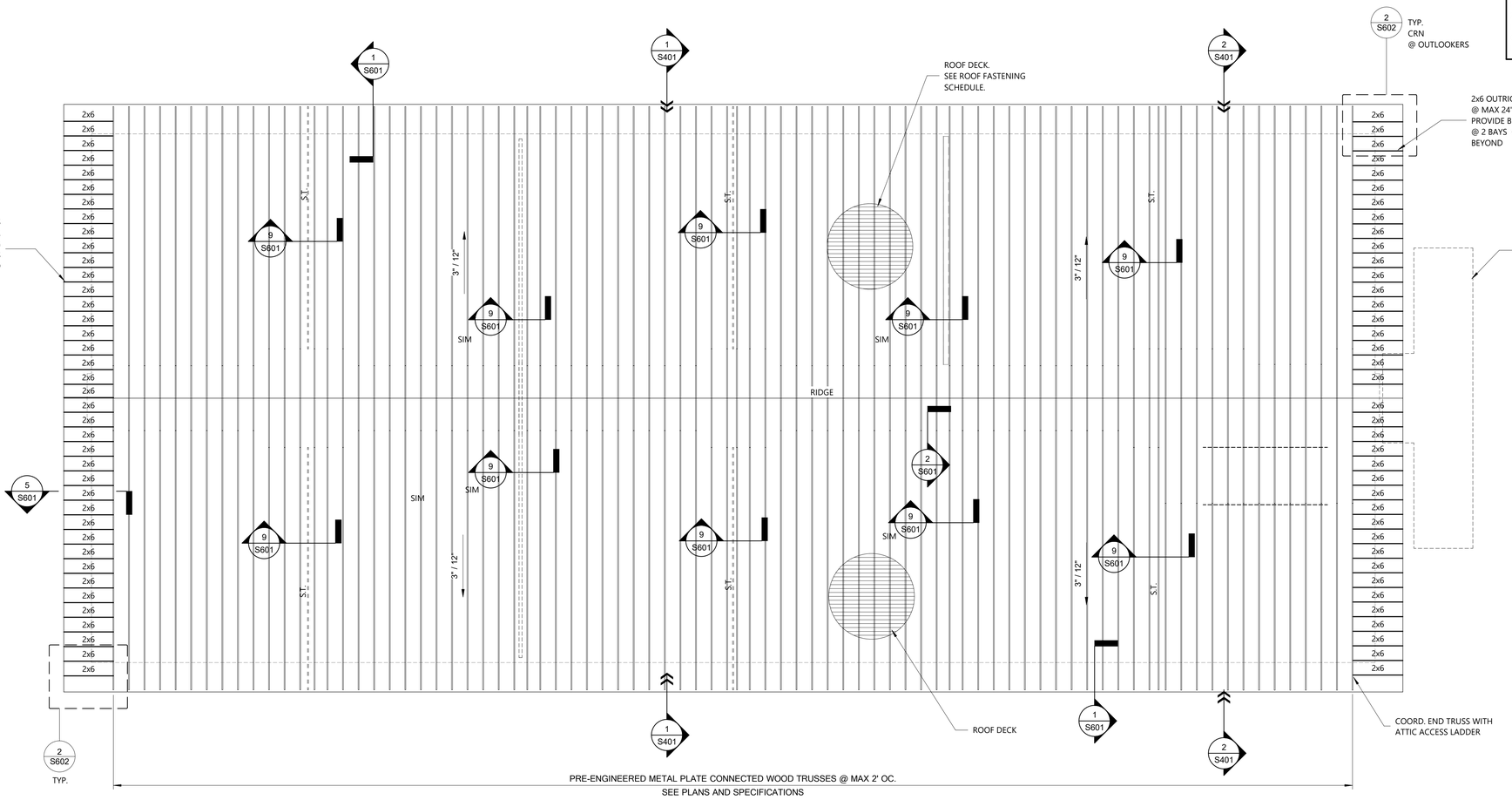
10 CLASSROOM ADDITION WITH SITEWORK

ROOF FRAMING PLAN NOTES AND LEGEND:

ROOF DECK = 3/4" APA RATED PLYWOOD DECKING

SEE DETAILS 4/S601 FOR TYPICAL REQUIREMENTS AT ROOF PENETRATIONS.

S.T. = PRE-ENGINEERED WOOD SHEAR TRUSS. DESIGN TRUSS TO TRANSFER AN ASD-FACTORED IN-PLANE HORIZONTAL LOAD DUE TO WIND OF 200 POUNDS PER FOOT ALONG LENGTH OF TRUSS FROM ROOF DECK TO WALL BELOW. CONNECTIONS TO WALL BELOW SHALL BE DESIGNED AND PROVIDED BY TRUSS SUPPLIER.



NORTH

1 OVERALL ROOF FRAMING PLAN
1/8" = 1'-0"

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S301
OVERALL ROOF FRAMING PLAN

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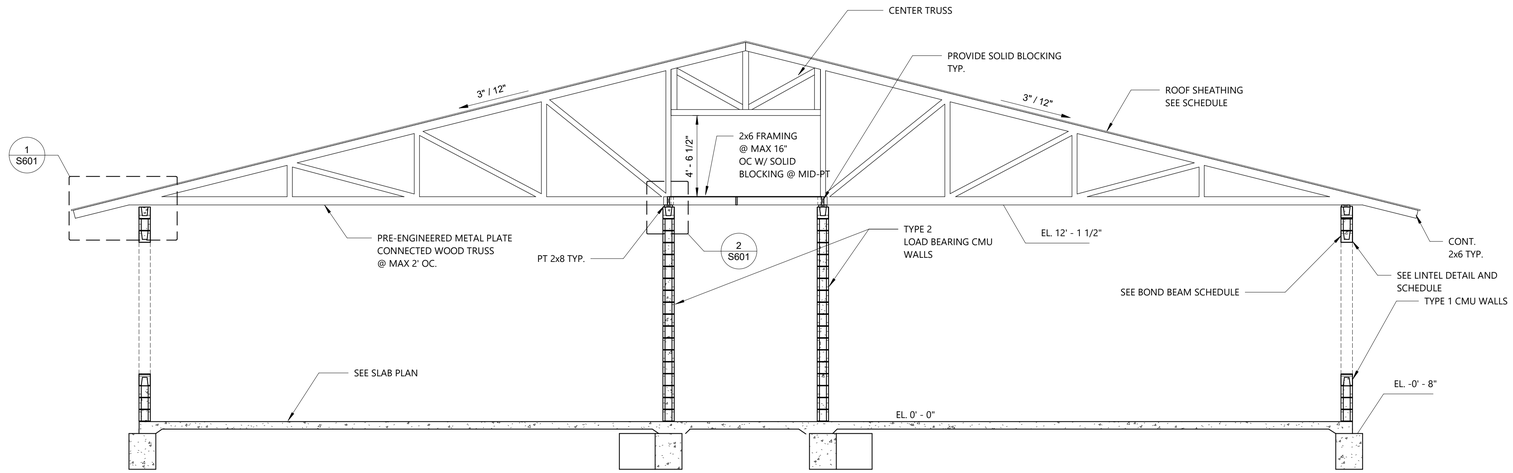
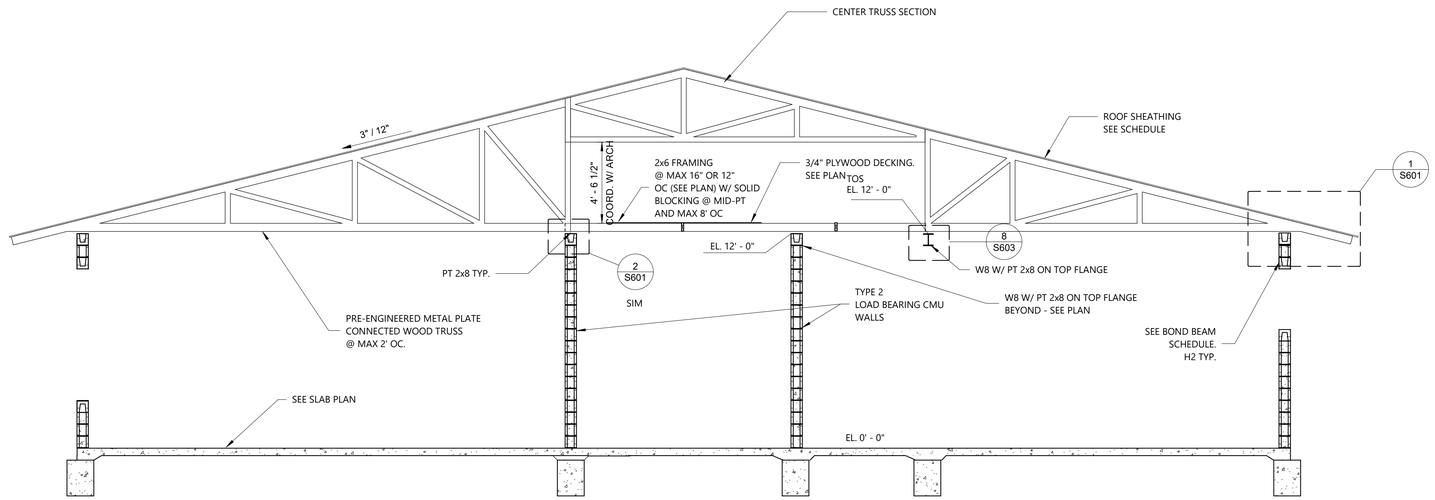


1 TYPICAL BUILDING SECTION

1/4" = 1'-0"



2 BUILDING SECTION THROUGH WIDEN ATTIC SPACE

1/4" = 1'-0"

1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA
RYAN G. NESBIT
License No. 31844
PROFESSIONAL ENGINEER
09/17/26

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BUILDING SECTIONS

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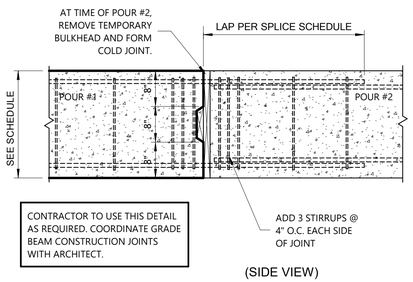
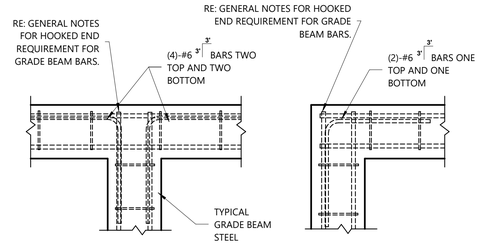


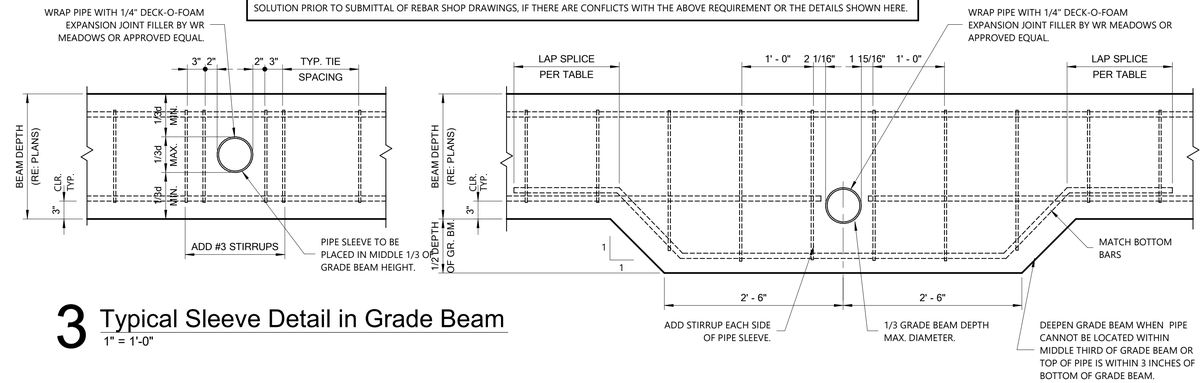
1 Grade Beam Construction Joint
3/4" = 1'-0"



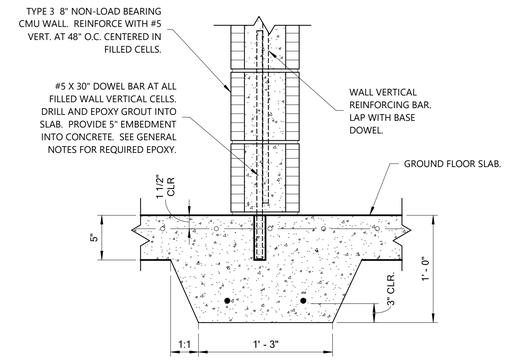
2 Grade Beam Intersection Details
3/4" = 1'-0"

NOTE:

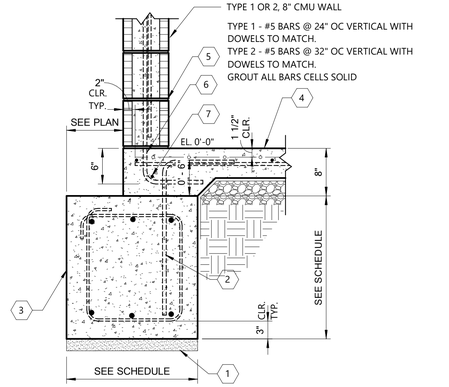
PLACE SLEEVES A MINIMUM OF 24" APART. PIPE SLEEVES SHALL ONLY OCCUR IN LOCATION ALLOWED BY THIS DETAIL. CONTACT ENGINEER FOR SOLUTION PRIOR TO SUBMITTAL OF REBAR SHOP DRAWINGS, IF THERE ARE CONFLICTS WITH THE ABOVE REQUIREMENT OR THE DETAILS SHOWN HERE.



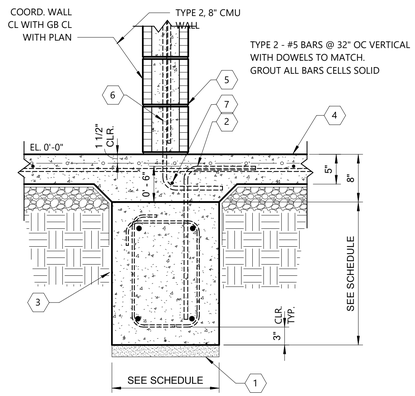
3 Typical Sleeve Detail in Grade Beam
1" = 1'-0"



4 Non-Load Bearing CMU Wall To Slab
1 1/2" = 1'-0"



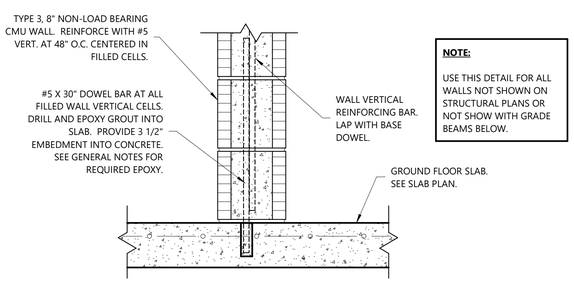
5 Ext. Grade Beam At CMU Wall
1" = 1'-0"



6 Interior Grade Beam At CMU Wall
1" = 1'-0"

Keynote Legend

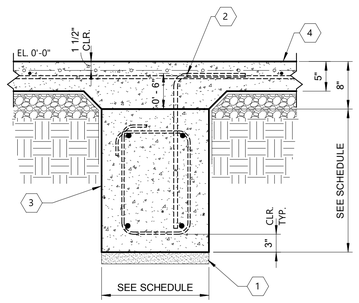
1. PROVIDE 2" DRY BOTTOM CONCRETE UNDER ALL GRADE BEAMS AND SPREAD FOOTINGS. SEE FOUNDATION PLAN NOTES FOR MORE INFORMATION.
2. SEE NOTE ON FOUNDATION PLAN FOR TYPICAL SLAB TO GRADE BEAM DOWELS.
3. GRADE BEAM - SEE SCHEDULE FOR SIZE AND REINFORCEMENT.
4. 5" THICK CONCRETE SLAB. SEE SLAB PLAN FOR MORE INFORMATION.
5. CMU LOAD BEARING WALL. SEE PLANS/SCHEDULE FOR MORE INFORMATION.
6. PROVIDE #5 L-BAR (A=10", B=26") DOWELS LAPPED AND TIED TO EACH VERTICAL WALL BAR.
7. CONT. #4 BAR AT HOOK OF WALL DOWEL.



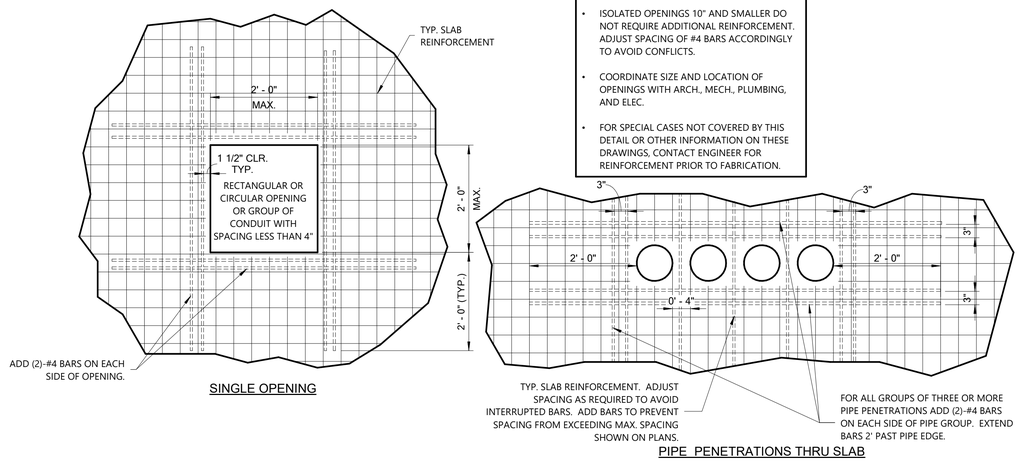
NOTE:

USE THIS DETAIL FOR ALL WALLS NOT SHOWN ON STRUCTURAL PLANS OR NOT SHOW WITH GRADE BEAMS BELOW.

7 Non-Load Bearing CMU Wall To Slab W/O GB
1 1/2" = 1'-0"



8 Typical Interior Grade Beam
1" = 1'-0"



9 Typical Openings In Concrete Slab On Grade With WWF
3/4" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA
RYAN G. NESBIT
License No. 31878
REGISTERED PROFESSIONAL ENGINEER
9/17/26

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	RN
QUALITY CONTROL	RN

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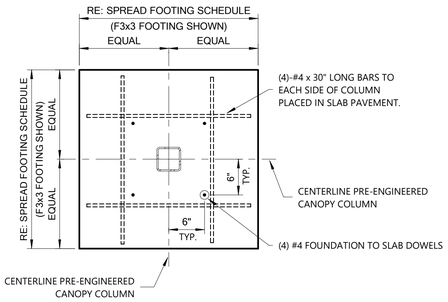

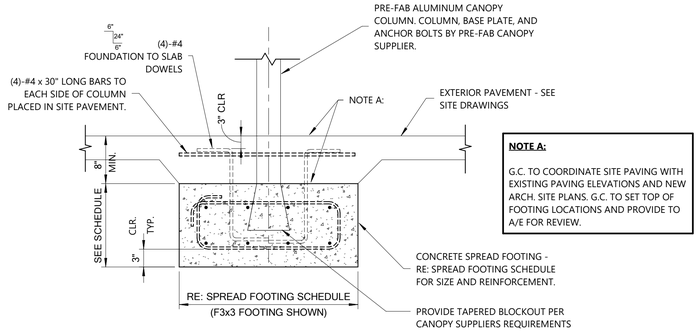

NOTE A:

G.C. TO COORDINATE SITE PAVING WITH EXISTING PAVING ELEVATIONS AND NEW ARCH. SITE PLANS. G.C. TO SET TOP OF FOOTING LOCATIONS AND PROVIDE TO A/E FOR REVIEW.

1 Pre-Fab Canopy Footing Plan and Section

1" = 1'-0"

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10 CLASSROOM ADDITION WITH SITEWORK

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RYAN G. NESBIT
License No. 31994
PROFESSIONAL ENGINEER
09/17/26

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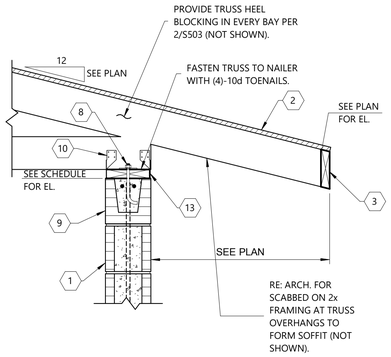
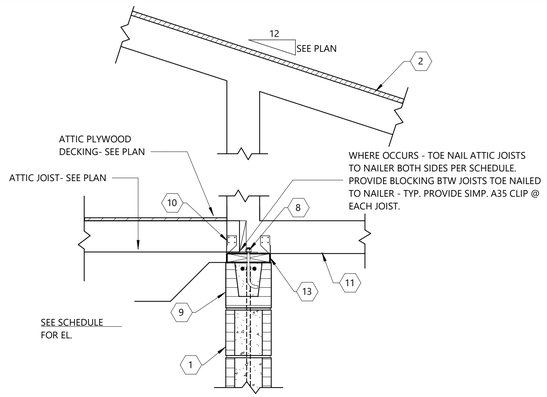
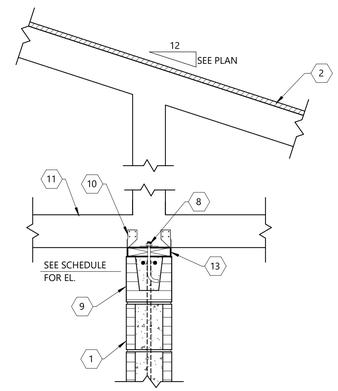


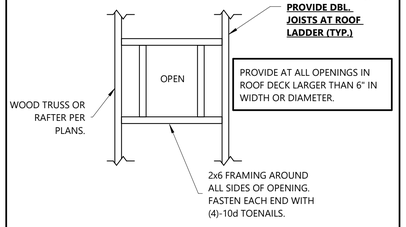
1 Truss To CMU Wall Connx.
1" = 1'-0"



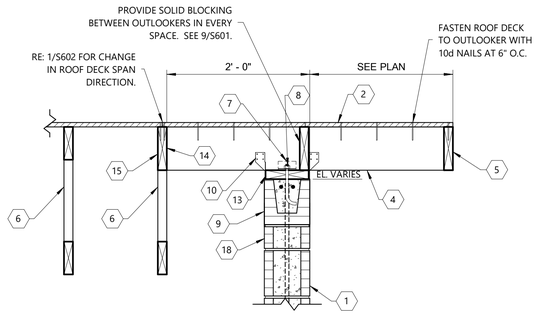
2 Truss At Interior CMU Corridor Wall
1" = 1'-0"



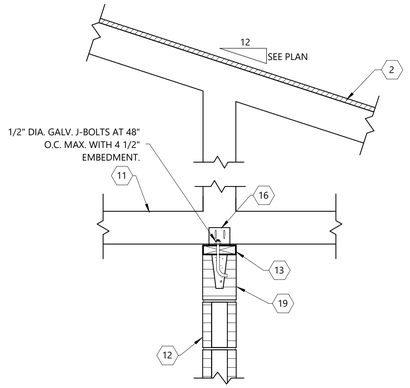
3 Truss At Interior CMU Wall
1" = 1'-0"



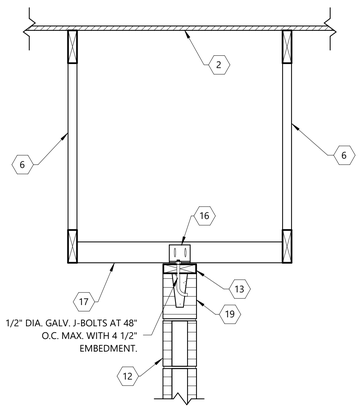
4 Opening In Wood Roof
3/4" = 1'-0"



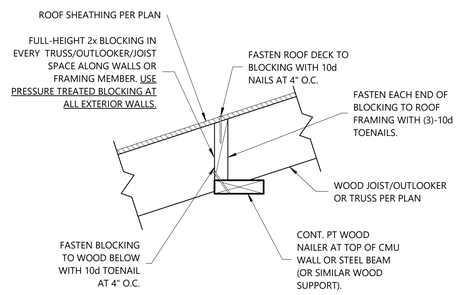
5 Outlooker Detail
1" = 1'-0"



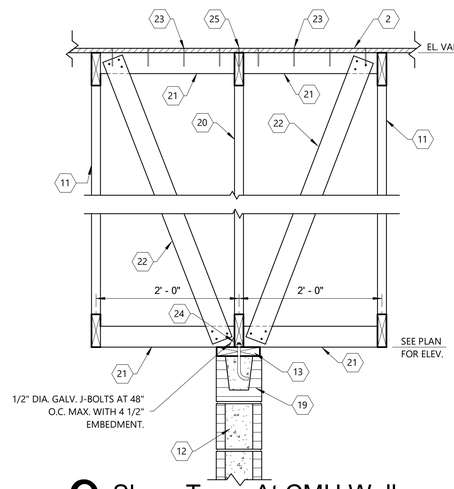
6 Truss At Non-Bearing CMU Wall
1" = 1'-0"



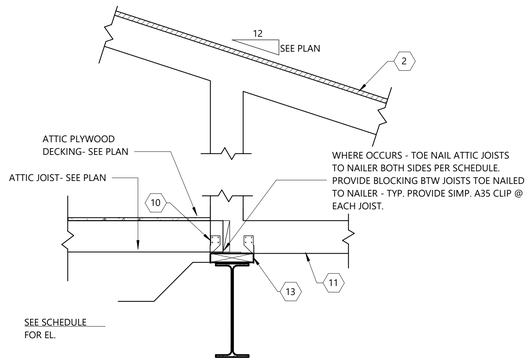
7 Non-Bearing CMU Wall Parallel To Roof Truss
1" = 1'-0"



8 Blocking At Roof Framing
1 1/2" = 1'-0"



9 Shear Truss At CMU Wall
1" = 1'-0"



10 Truss At Interior Steel Beam Corridor Wall
1" = 1'-0"

Keynote Legend

1 CMU LOAD BEARING WALL. SEE PLANS/SCHEDULE FOR MORE INFORMATION.
2 3/4" PLYWOOD ROOF DECKING.
3 CONTINUOUS 2x6 WOOD FASCIA BOARD. PROVIDE SIMPSON LTP4 TIE PLATE CENTERED ON JOINT AT ALL SPLICES. USE CONT. 2x8 WITHIN 10 FEET OF ROOF CORNERS.
4 2x8 OUTLOOKERS AT 24" O.C. MAX. FASTEN DECK TO OUTLOOKERS WITH 10d NAILS AT 6" O.C.
5 CONT. 2X8 FASCIA BOARD. FASTEN TO EACH JOIST OR OUTLOOKER WITH (2)-10D FACE NAILS. PROVIDE SIMPSON LTP4 TIE PLATE CENTERED ON ALL SPLICES. DO NOT SPLICE WITHIN 10 FEET OF ROOF CORNER.
6 PRE-ENGINEERED WOOD TRUSSES - SEE PLANS FOR SIZE AND SPACING.
7 FASTEN EACH OUTLOOKER TO EACH SIDE OF NAILER WITH SIMPSON H3 AND TO TOP OF NAILER WITH SIMPSON GA2 REINFORCING ANGLE. REINFORCING ANGLE SHALL BE PLACED ON OPPOSITE SIDE OF OUTLOOKER AS HURRICANE TIES.
8 1/2" DIA. GALV. J-BOLTS OR L-BOLTS WITH SIMPSON GALV. BP 1/2-3 PLATE WASHERS AT 24" O.C. MAX. CENTERED ON WALL. PROVIDE 4 1/2" EMBEDMENT. ANCHORS SHALL HAVE 1 1/2" MIN. HORZ. LEG DIMENSION. ANCHORS SHALL BE 4" MIN./12" MAX. FROM ENDS OR PENETRATIONS OF NAILER PLATE. GALV. SIMPSON TITEN HD ANCHORS OF MATCHING DIAMETER AND EMBEDMENT MAY BE ADDED TO COMPLY WITH THIS REQUIREMENT.
9 8" U-BLOCK REINFORCED WITH (2)-#5 BARS CONTINUOUS IN FILLED CELL. TYP. AT TOP OF LOAD BEARING WALLS UON OR IF HEADER REQUIRED.
10 FASTEN EACH TRUSS TO WOOD NAILER WITH (2) SIMPSON H3 TIES (ONE EACH SIDE OF NAILER).
11 PRE-ENGINEERED WOOD ROOF TRUSSES AT 24" O.C. MAX.
12 8" NON-LOAD BEARING CMU WALL. REINFORCE WITH #5 VERT. AT 48" O.C. CENTERED IN FILLED CELLS.
13 CONT. TREATED 2x8 WOOD NAILER ALONG TOP OF CMU WALL.
14 FASTEN EACH OUTLOOKER TO TRUSS TOP CHORD WITH (4)-10d TOENAILS.
15 TRUSS ADJACENT TO WALL SHALL HAVE 2x8 TOP CHORD AND TOP CHORD EXTENSION.
16 SIMPSON DTC CLIP TO ONE SIDE OF TRUSS BOTTOM CHORD OR 2x4 BLOCKING.
17 2x4 BLOCKING AT 48" O.C.
18 CUT BLOCKS FOR CMU COURSE DIRECTLY BELOW TOP U-BLOCK AS REQUIRED TO ACHIEVE TOP OF WALL ELEVATION.
19 CONT. 8" DEEP U-BLOCK REINFORCED WITH (1)-#5 BAR CONTINUOUS IN FILLED CELL AT TOP OF ALL NON-LOAD BEARING WALLS.
20 PRE-ENGINEERED WOOD SHEAR TRUSS. SEE PLAN FOR MORE INFORMATION.
21 2x4 WOOD BLOCKING AT 48" O.C. FASTEN EACH END WITH (3)-10d TOENAILS.
22 2x4 DIAGONAL BRACING AT 6'-0" O.C. FASTEN EACH END WITH (3)-10d NAILS. PROVIDE CONT. 2x4 STRONGBACK IF LENGTH OF BRACE EXCEEDS 5'-0".
23 FASTEN ROOF DECK TO WOOD BLOCKING WITH 10d NAILS AT 6" O.C. MAX.
24 SIMPSON H3 TIE AT EACH JOIST TO LEDGER CONNECTION.
25 FASTEN ROOF DECK TO TRUSS WITH 10d NAILS AT 6" O.C.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — RYAN G. NESBIT, License No. 31870, PROFESSIONAL ENGINEER — 9/17/26

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	RN
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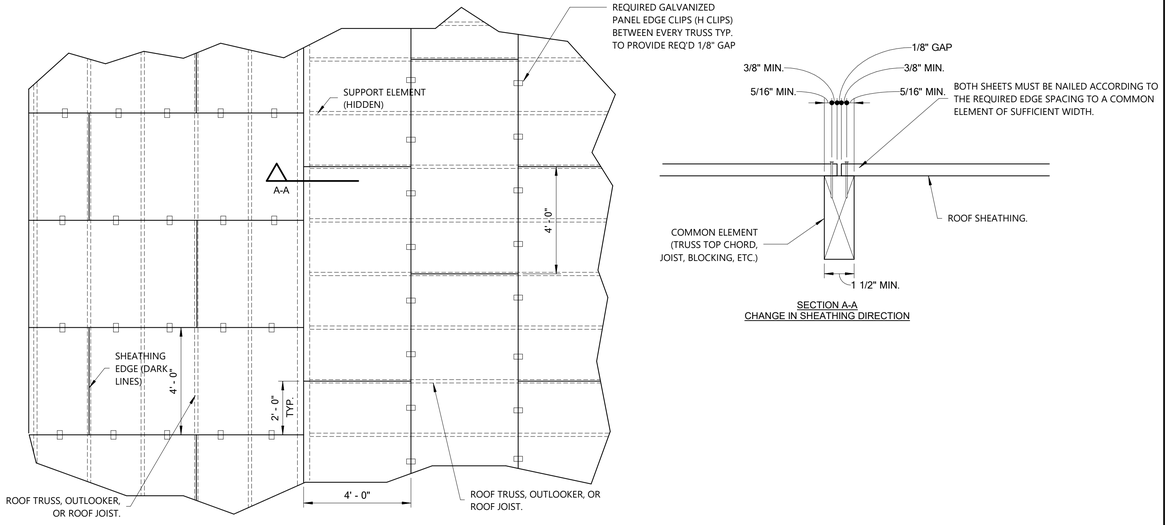
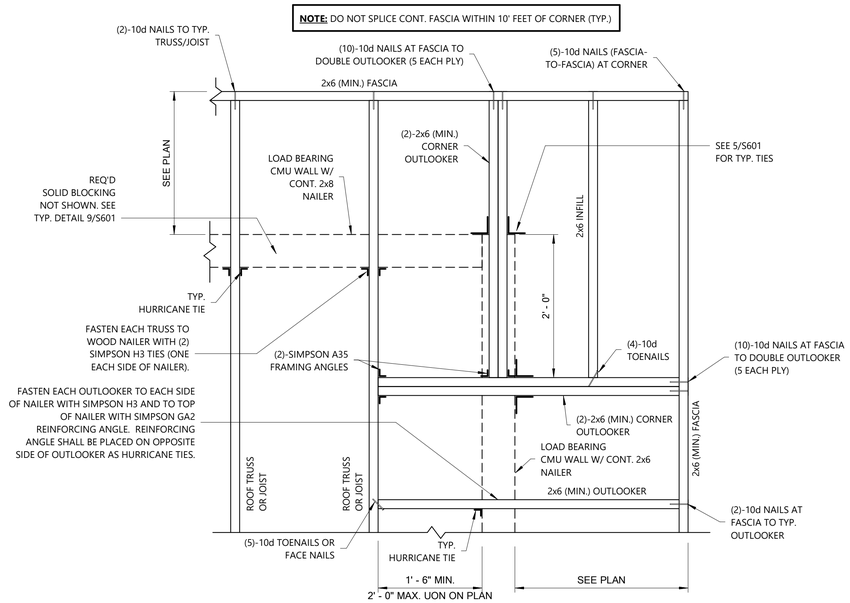


TYPICAL ROOF SHEATHING LAYOUT

SECTION A-A
CHANGE IN SHEATHING DIRECTION

1 Typical Roof Sheathing Layout

3/8" = 1'-0"



2 Roof Corner Framing At Outlookers

1" = 1'-0"

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10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA
RYAN G. NESBIT
License No. 31994
PROFESSIONAL ENGINEER
09/17/26

NO.	DESCRIPTION	DATE

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DATE	09.17.26
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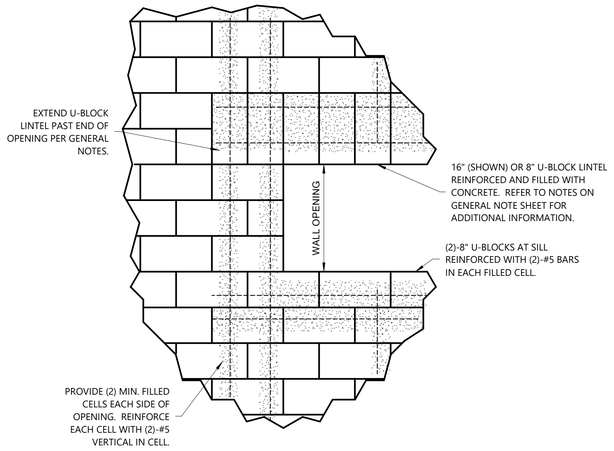
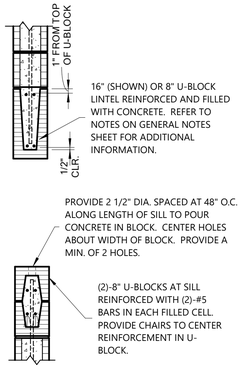


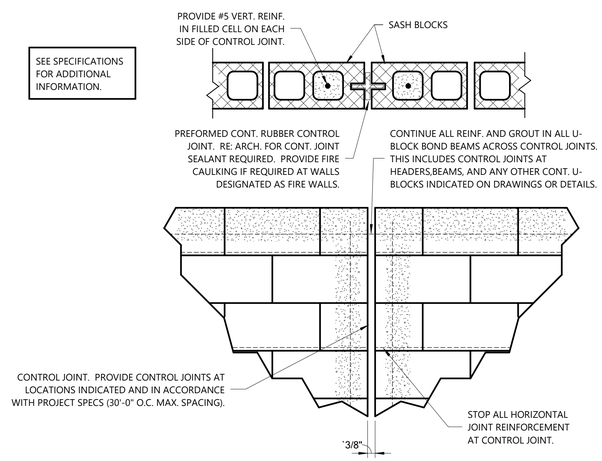


SECTION THRU OPENING

1 Typical CMU Wall Opening

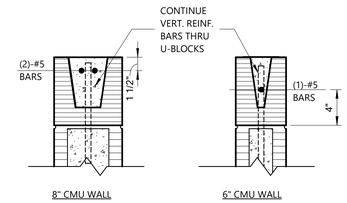
3/4" = 1'-0" (WINDOW SHOWN, DOOR SIMILAR)

SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



2 CMU Wall Control Joint Detail

1" = 1'-0"

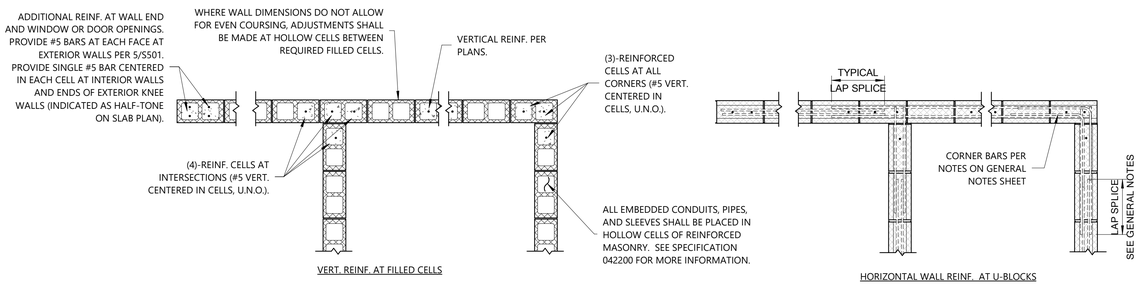


3 U-Block Reinf. At Top of Walls

1 1/2" = 1'-0"

NOTE:

FOR CORNER COURSE AT INTERSECTION BETWEEN CMU WALLS WITH DIFFERING TOP ELEVATIONS, THE TALLER OR SLOPED WALL SHALL GOVERN.

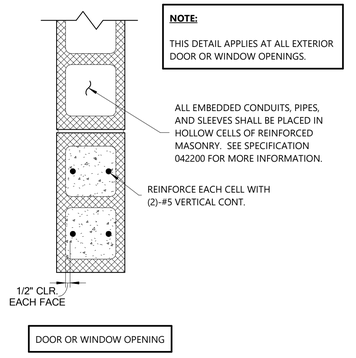


4 Typical CMU Wall Reinforcement Diagram

1/2" = 1'-0"

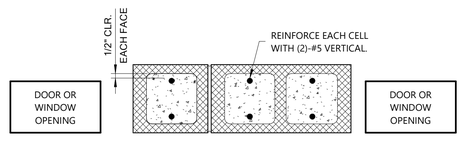
NOTE:

THIS DETAIL APPLIES AT ALL EXTERIOR DOOR OR WINDOW OPENINGS.



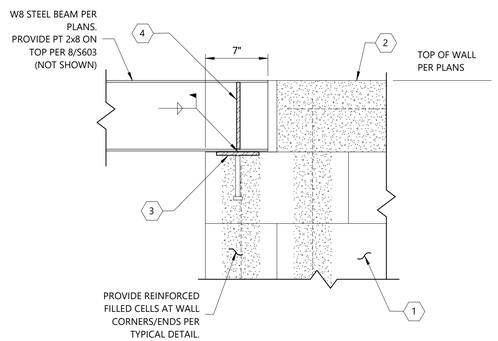
5 Reinforcement At Exterior Wall Jamb

1 1/2" = 1'-0"



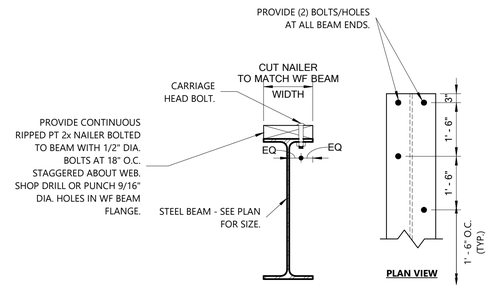
6 Exterior Wall Jamb Between Openings

1 1/2" = 1'-0"



7 W8 Steel Beam Bearing On CMU Wall Detail

1 1/2" = 1'-0"

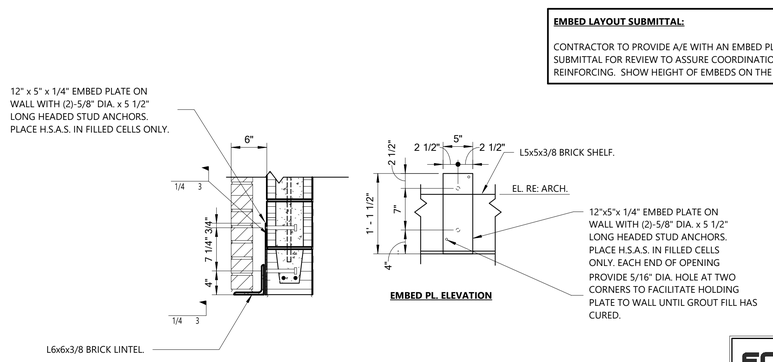


8 Typical Nailer On WF

1 1/2" = 1'-0"

EMBED LAYOUT SUBMITTAL:

CONTRACTOR TO PROVIDE A/E WITH AN EMBED PLAN LAYOUT SUBMITTAL FOR REVIEW TO ASSURE COORDINATION WITH WALL REINFORCING. SHOW HEIGHT OF EMBEDS ON THE SUBMITTAL.



9 Brick Shelf Support at CMU Wall

1" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — RYAN G. NESBIT — License No. 33[illegible] — PROFESSIONAL ENGINEER — 9/17/26

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	RN
QUALITY CONTROL	RN

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BID DOCUMENTS

S603

CMU DETAILS

H/S

FOX NESBIT
BATON ROUGE NEW ORLEANS
RUSTON LAFAYETTE DESTIN
225.293.6595 www.fox-nesbit.com

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9/15/2026 1:49:37 PM

C:\Users\jguidry\Documents\26008 Champ Cooper10 Classroom Addition Structural R25_jguidry6ADN7.rvt

1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

GENERAL NOTES

A. APPLICABLE DESIGN CODES & MISCELLANEOUS

INTERNATIONAL BUILDING CODE 2021
AMERICAN CONCRETE INSTITUTE 318
AMERICAN INSTITUTE OF STEEL CONSTRUCTION

IBC CHAPTER 17 SPECIAL INSPECTIONS:
THE OWNER OR THE OWNER'S REPRESENTATIVE IS REQUIRED TO PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF IBC 2021. THE GENERAL CONTRACTOR IS REQUIRED TO ENGAGE AND ACCOMMODATE THE REQUIRED SPECIAL INSPECTIONS BY PROVIDING ACCESS TO ELEMENTS REQUIRED FOR INSPECTION AND BY NOTIFYING THE TESTING AGENCY 48 HOURS PRIOR TO A REQUIRED INSPECTION EVENT. THE CONTRACTOR SHALL PROVIDE REPORTS FROM THE TESTING AGENCY INDICATING COMPLIANCE WITH THE IBC REQUIREMENTS FOR:

- CONCRETE CONSTRUCTION (IBC 1705.3)
- MASONRY CONSTRUCTION (IBC 1705.4)
- SOILS (IBC 1705.6)
- WIND RESISTANCE (IBC 1705.12) (IN APPLICABLE WIND SPEEDS ONLY)

STRUCTURAL OBSERVATIONS:
STRUCTURAL OBSERVATIONS SHALL BE CONDUCTED BY THE ENGINEER OF RECORD TO ASSURE GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THESE OBSERVATIONS WILL NOT TAKE THE PLACE OF THE CODE REQUIRED SPECIAL INSPECTIONS LISTED ABOVE OR ANY OTHER INSPECTIONS REQUIRED BY THE LOCAL BUILDING OFFICIAL. NOTIFY ENGINEER OF RECORD AND ARCHITECT FOR STRUCTURAL OBSERVATION VIA EMAIL A MINIMUM OF 72 HOURS PRIOR TO ANY OF THE FOLLOWING EVENTS:

- ALL CONCRETE/GROUT POURS (WITH IDENTIFICATION OF SPECIFIC ELEMENTS TO BE POURED).
- COMMENCEMENT OF MASONRY WORK
- PLACEMENT OF ROOFING COVERING ROOF DECK.

FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF COMPLETED WORK.

PROVIDE COMPREHENSIVE ELECTRONICALLY TRANSMITTED PHOTOS OF ANY REQUESTED WORK TO ENGINEER PRIOR TO ANY OF THE ABOVE EVENTS IN LIEU OF OBSERVATION IF DEEMED ACCEPTABLE BY ENGINEER.

B. DESIGN LOADS AND REQUIREMENTS SECTION

(1) FIRST FLOOR DESIGN LOADS
LIVE LOAD ------------------- 100 PSF
LIVE LOAD ------------------- 2000 LB (CONCENTRATED)

(2) ROOF DESIGN LOADS
LIVE LOAD ------------------------20 PSF (REDUCIBLE)
LIVE LOAD --------------------300 LB (CONCENTRATED)
GROUND SNOW LOAD ---------- 0 PSF

(3) LATERAL DESIGN - WIND
ASCE 7-16
ULTIMATE DESIGN WIND SPEED (V_{ult})------- 136 MPH
NOMINAL DESIGN WIND SPEED (V_{asd})------- 105.3 MPH
EXPOSURE CATEGORY ------------------------ C
RISK CATEGORY ------------------------------ II
INTERNAL PRESSURE COEFFICIENT ----------- +/-0.18
MWFRS - DIRECTIONAL PROCEDURE

(4) LATERAL DESIGN -SEISMIC
ASCE 7-16
IMPORTANCE FACTOR --------------- 1.00
S_s -------------------------------------- 0.089g
S_1 -------------------------------------- 0.058g
SITE CLASS ----------------------------- D
S_{ds} ------------------------------------ 0.095g
S_{d1} ------------------------------------ 0.094g
SEISMIC DESIGN CATEGORY-------- B
C_s ------------------------------------ 0.04
DESIGN BASE SHEAR ----------------- 0.04*W
R -------------------------------------- 3
EQUIVALENT LATERAL-FORCE ANALYSIS METHOD.
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.

C. GEOTECHNICAL

THE FOUNDATION AND SLAB DESIGN WAS BASED ON THE GEOTECHNICAL INVESTIGATION BY TERRACON, PROJECT NO. ET265018 DATED MAY 15, 2026. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE GEOTECHNICAL REPORT PRIOR TO BIDDING. A COPY OF THE GEOTECHNICAL REPORT IS AVAILABLE AT THE ARCHITECT'S OFFICE FOR REVIEW.

NET ALLOWABLE SOIL BEARING PRESSURE
INT./EXT. FOOTINGS ---------------------------- 2,500 PSF
REQUIRED BEARING STRATUM -----------------COMPACTED STRUCTURAL FILL
MINIMUM EMBEDMENT BELOW GRADE------- 18" OR AS NOTED

TESTING AGENCY SHALL INSPECT FOUNDATION SUBGRADE FOR ADEQUACY TO ACHIEVE THE DESIGN BEARING CAPACITY PRIOR TO DRY BOTTOM/FOOTING PLACEMENT. NO PRECIPITATION EVENT SHALL OCCUR IN TIME BETWEEN SUBGRADE APPROVAL AND DRY BOTTOM/FOOTING PLACEMENT.

D. CONCRETE AND GROUT

CONCRETE MIXING, HANDLING, PLACING, AND CURING SHALL BE IN ACCORDANCE WITH ACI 301.

SEE THE "CONCRETE MIX REQUIREMENTS" TABLE FOR DESCRIPTIONS AND REQUIREMENTS OF CONCRETE TYPES.

FLY ASH IS NOT PERMITTED IN ANY CONCRETE FOR THIS PROJECT.

SLAG IS NOT PERMITTED IN ANY CONCRETE FOR THIS PROJECT.

ALL FLOOR DRAINS, DROPS, CURBS, ETC. SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

SEE PLUMBING DRAWINGS FOR LOCATIONS OF ALL FLOOR DRAINS. SLOPE GROUND FLOOR SLAB AND ELEVATED SLABS AT ALL FLOOR DRAINS AWAY FROM WALLS IN ROOM TO LOW POINT AT FLOOR DRAIN WHICH SHALL BE SET 1/2" BELOW FINISHED FLOOR OF SLAB, UNLESS NOTED OTHERWISE.

THE TOP 5" OF BOTH SIDES OF ALL GRADE BEAMS SHALL BE WOOD FORMED. ALL SPREAD FOOTINGS SHALL BE EARTH FORMED - UNLESS NOTED OTHERWISE.

ALL EXPOSED SURFACES OF CONCRETE WALLS, FOUNDATION EDGES, AND SLAB EDGES SHALL BE PLYWOOD FORMED AND COATED WITH A REPAIR MORTAR.

RANDOM TRAFFIC FLOOR FINISH TOLERANCES (F_F AND F_L) FOR SLABS ARE TO MEET SPECIFIED OVERALL FLATNESS OF SOF_F = 35 AND SPECIFIED OVERALL LEVELNESS OF SOF_L = 25 WITH MINIMUM LOCAL VALUES OF MLF_F = 21 AND MLF_L = 15, AS EXPRESSED IN ACI 117, SECTION 4, AND MEASURED WITHIN 72 HOURS IN ACCORDANCE WITH ASTM E 115.

COORDINATE ALL DEVIATIONS IN FLATNESS/LEVELNESS WITH ARCHITECT TO COMPLY WITH AESTHETIC AND FLOOR FINISH REQUIREMENTS.

THE CONTRACTOR SHALL INCLUDE IN THE BID THE COMPLETE COST OF AN ADDITIONAL 10 CUBIC YARDS OF UNSCHEDULED 4000 PSI STRUCTURAL FOUNDATION/SLAB CONCRETE FOR MISCELLANEOUS USE TO BE DELIVERED, PLACED, FORMED, AND FINISHED AS DIRECTED BY STRUCTURAL ENGINEER.

VERIFY ALL SLAB EDGE DIMENSIONS AT DOORS AND FULL-HEIGHT WINDOWS WITH ARCHITECTURAL DRAWINGS PRIOR TO SETTING OF GROUND FLOOR SLAB EDGE FORMS. AT LOCATIONS WHERE SLAB EDGE EXTENDS PAST OUTSIDE EDGE OF DOOR OR FULL-HEIGHT WINDOW, SLOPE SLAB DOWN 1/4" FROM OUTSIDE FACE OF DOOR WINDOW TO SLAB EDGE, UNLESS NOTED OTHERWISE.

MINOR SURFACE CRACKING IS AN INHERENT CHARACTERISTIC OF CONCRETE AND DOES NOT AFFECT THE STRUCTURAL INTEGRITY OR SERVICEABILITY OF THE STRUCTURE. THE OCCURRENCE OF HAIRLINE OR MINOR CRACKS DUE TO SHRINKAGE, TEMPERATURE CHANGES, SERVICE STRESSES, OR OTHER FACTORS IS EXPECTED AND SHALL NOT BE CONSIDERED A DEFECT. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR MINOR OR HAIRLINE CRACKS THAT DO NOT COMPROMISE THE STRUCTURE'S SAFETY OR FUNCTION, PROVIDED THE CONCRETE IS PLACED AND CURED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND INDUSTRY STANDARDS.

E. CONCRETE REINFORCEMENT

ALL REBARS SHALL BE GRADE 60 (FY = 60,000 PSI MIN.)

VAPOR RETARDER AT GROUND FLOOR SLABS TO BE 15 MIL. WITH TAPED JOINTS. REFERENCE SPECIFICATIONS FOR CAST-IN-PLACE CONCRETE FOR ADDITIONAL INFORMATION.

HOOK ALL GRADE BEAM TOP BARS AT THE END OF THE GRADE BEAM.

PROVIDE (2)-#6 L BARS (a=36",b=36") ONE TOP AND ONE BOTTOM AT THE OUTSIDE FACE OF ALL GRADE BEAM CORNERS.

PROVIDE (4)-#6 L BARS (a=36",b=36") TWO TOP AND TWO BOTTOM AT ALL GRADE BEAM INTERSECTIONS.

PROVIDE #5 L BARS (a=18",b=18") AT CORNER OF ELEVATOR PIT WALLS. SPACE BARS WITH ALL HORIZONTAL WALL REINFORCEMENT.

PROVIDE HORIZONTAL #4 (a=24", b=24") CORNER BARS AT ALL CONCRETE WALL CORNERS TO LAP WITH WALL REINFORCING BARS, U.N.O.

ALL WELDED WIRE MESH SHALL HAVE 12" MIN. LAP BETWEEN SHEETS.

PLACE AND SECURE ALL EMBEDDED ITEMS INCLUDING REINFORCING DOWELS, ANCHOR BOLTS, FORM SAVER DOWELS AND EMBED PLATES PRIOR TO PLACING OF CONCRETE. <u>DO NOT WET STICK ANY OF THESE ITEMS.</u> UNLESS NOTED OTHERWISE HEREIN OR PERMITTED BY ENGINEER OF RECORD IN WRITING. THIS DOES NOT APPLY TO SINGLE-BAR REINFORCEMENT IN DRILLED SHAFTS.

THE CONTRACTOR SHALL INCLUDE IN THE BID THE COMPLETE COST OF AN ADDITIONAL 200 POUNDS OF UNSCHEDULED ASTM A615 GRADE 60 REBAR FOR MISCELLANEOUS USE TO BE FABRICATED, DELIVERED, PLACED, AND TIED AS DIRECTED BY STRUCTURAL ENGINEER.

F. STRUCTURAL STEEL

STRUCTURAL STEEL MEMBERS SHALL BE MADE USING THE FOLLOWING GRADES:

WIDE FLANGE SHAPES ------------- ASTM A992
CHANNELS -------------------------- ASTM A992
HSS ----------------------------------- ASTM A500, GRADE C
PIPES --------------------------------- ASTM A53, GRADE B
PLATE & BARS --------------------- ASTM A36 OR ASTM 572, GRADE 50
ANGLES ------------------------------ ASTM A572, GRADE 50

ALL STRUCTURAL STEEL SHALL BE FABRICATED, COATED, AND ERECTED AS PER THE AISC SPECIFICATIONS.

ALL WELDS SHALL BE WITH E70XX ELECTRODES AND IN ACCORDANCE WITH AWS STANDARDS. MINIMUM FILLET WELD SIZE SHALL BE 1/4" - U.N.O. FOULING ELEMENTS SUCH AS PAINT, OIL, GREASE, OR OTHER CONTAMINANTS SHALL BE REMOVED AT ALL WELDED CONNECTIONS PRIOR TO WELDING.

THE CONTRACTOR SHALL ASSURE THAT THE STRUCTURE HAS BEEN ERECTED TRUE AND SUITABLE TEMPORARY BRACING AND GUYS SHALL BE INSTALLED TO MAINTAIN SAID TRUENESS. THE STRUCTURAL STEEL FRAMEWORK SHALL BE BRACED OR GUYED UNTIL FINAL ERECTION IS COMPLETE AND DECKING AND PERMANENT BRACES HAVE BEEN ERECTED.

CONTRACTOR TO PROVIDE GALVANIZED STEEL LINTELS AS REQUIRED TO SUPPORT BRICK AND/OR MASONRY VENEER ABOVE ALL OPENINGS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE (UNLESS NOTED OTHERWISE):

CLEAR OPENING	ANGLE SIZE
0 TO 4'	L4x4x1/4
4' TO 9'	L6x4x3/8 LLV
9' TO 12'	L7x4x3/8 LLV

LINTEL ANGLES SUPPORTING BRICK AND/OR MASONRY VENEER SHALL HAVE A MINIMUM BEARING SUPPORT LENGTH OF 8".

ALL STRUCTURAL STEEL INDICATED ON PLANS AS GALVANIZED (OR GALV.) SHALL BE HOT-DIP GALVANIZED PER THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. TOUCH UP ALL BREAKS IN GALVANIZE WITH A ZINC RICH COLD GALVANIZE COMPOUND PER 051200 SPECIFICATIONS.

G. MASONRY

ALL MASONRY WORK SHALL BE DONE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, AND TMS 402|ACI 530 |ASCE 5.

ALL MASONRY WORK SHALL BE INSPECTED AND EVALUATED IN ACCORDANCE WITH THE REQUIREMENTS OF TMS 402|ACI 530 |ASCE 5 FOR LEVEL A, B, OR C SPECIAL INSPECTION DEPENDING ON THE LATERAL DESIGN RISK CATEGORY LISTED HEREIN. THE CONTRACTOR SHALL PROVIDE REPORTS FROM TESTING AGENCY INDICATING COMPLIANCE WITH THESE REQUIREMENTS.

U.N.O. CMU WALLS ARE TO BE REINFORCED WITH (1)-#5 VERTICAL AT 48" O.C. - FILL REINFORCED CELLS.

U-BLOCK LINTELS SHALL BE PLACED ABOVE ALL OPENINGS, INCLUDING MECHANICAL PENETRATIONS, IN ACCORDANCE WITH THE SCHEDULE ON SHEET S101.REFER TO THE SCHEDULE BELOW FOR OPENINGS NOT CALLED OUT ON STRUCTURAL PLANS.

0' TO 4' ---------------- 8" U-BLOCK WITH (2)-#5 CONT. BOTTOM

4' TO 8' ---------------- 16" U-BLOCK WITH (2)-#6 CONT. BOTTOM

8' TO 15' -------------- 16" U-BLOCK WITH (2)-#7 CONT. BOTTOM AND (2)-#5 CONT. TOP

NO OPENINGS LARGER THAN 15'-0" SHALL BE BUILT USING CMU, UNLESS NOTED OTHERWISE IN THESE DRAWINGS.

16" U-BLOCK TO BEAR 16" PAST END OF OPENING AND 8" U-BLOCK TO BEAR 8" PAST END OF OPENING.

PROVIDE FULL HEIGHT REINFORCED CONCRETE FILLED CELLS ON BOTH SIDES OF ALL DOOR OPENINGS, WINDOWS, AND WALL ENDS. PROVIDE THREE (3) REINFORCED, FILLED CELLS AT ALL CORNERS, (ONE AT CORNER AND ONE IN EACH DIRECTION). PROVIDE SIMILAR REINFORCED, FILLED CELLS AT ALL WALL-TO-WALL INTERSECTIONS (E.G. PROVIDE FOUR REINFORCE, FILLED CELLS AT T-INTERSECTIONS).

ALL EXPANSION ANCHORS SHALL BE IN FILLED CELLS ONLY OR IN U-BLOCKS.

PROVIDE #5 CORNER BARS L BARS (a=24",b=24") AT ALL U-BLOCK INTERSECTIONS. TIE ALL HORIZONTAL U-BLOCK REINFORCEMENT AT CORNERS AND INTERSECTIONS.

PROVIDE CONCRETE MASONRY UNITS PER ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF MASONRY (f'm) = 2000 PSI. USE ONLY TYPE S MORTAR AND LADDER STYLE JOINT REINFORCEMENT.

USE A MAXIMUM GROUT POUR/LIFT HEIGHT = 5'-4".

ALL VERTICAL REINFORCEMENT BARS SHALL EITHER BE CONTINUOUS OR LAP SPLICED (30" MIN. LAP) AND TIED WITH WIRE AT BOTH ENDS OF LAP. ALL SPLICES SHALL HAVE THEIR ENTIRE LENGTH OCCUR WITH-IN A SINGLE GROUT POUR.

DO NOT PLACE LAPS FOR HORIZONTAL BARS IN U-BLOCKS OVER OPENINGS. PROVIDE A 24" MINIMUM LAP SPLICE FOR #5 HORIZONTAL BARS.

JOINT REINFORCEMENT SHALL BE LADDER STYLE CONFORMING TO ASTM A 951. SIDE RODS AND CROSS WIRE SHALL BE 9 GAUGE OR 0.148 INCH DIAMETER. LAP JOINT REINFORCEMENT A MINIMUM OF 12". PLACE HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. MAXIMUM VERTICAL SPACING.

PROVIDE WIRE-BOND CORELOCK REBAR POSITIONERS (OR APPROVED EQUAL) TO SECURE VERTICAL WALL REINFORCEMENT IN PROPER LOCATION AS NOTED ON PLANS. PROVIDE A MINIMUM OF ONE POSITIONER PER POUR LIFT.

FOR FILLED CELLS BELOW U-BLOCKS, CELLS SHALL BE FILLED UP TO BOTTOM OF U-BLOCK, PRIOR TO PLACEMENT OF U-BLOCK.

ALL EMBEDDED CONDUITS, PIPES, AND SLEEVES SHALL BE PLACED IN HOLLOW CELLS OF REINFORCED MASONRY. SEE SPECIFICATION 042200 FOR MORE INFORMATION.

PROVIDE 8" DEEP CONTINUOUS U-BLOCK REINFORCED WITH (2)-#5 CONTINUOUS AT THE TOP OF ALL CMU WALL, UNLESS NOTED OTHERWISE.

H. WOOD FRAMING MEMBERS

ALL WOOD FRAMING MEMBERS SHALL BE NO. 2 SOUTHERN YELLOW PINE AND SHALL BE IN ACCORDANCE WITH MINIMUM DESIGN PROPERTIES PROVIDED IN THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

ALL ROOF MEMBERS SHALL BE ATTACHED TO SUPPORTING MEMBERS USING HURRICANE TIES.

PROVIDE 2x HORZ. BLOCKING (SAME SIZE AS WALL STUD) AT ALL EDGES OF SHEATHING (OSB OR GYP. BOARD) ON LOAD BEARING WALLS AND SHEAR WALLS SHOWN ON THESE PLANS.

BOTTOM PLATE ANCHORS SHALL BE LOCATED NO MORE THAN 12 INCHES AND NO LESS THAN 4 INCHES FROM ENDS OR PENETRATIONS OF BOTTOM PLATE. SEE PLANS FOR REQUIRED ANCHORS AND TYPICAL SPACING.

ALL PROPRIETARY WOOD CONNECTION HARDWARE SPECIFIED ON THESE PLANS SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS, INCLUDING PROPER TYPE AND QUANTITY OF FASTENERS.

SILL PLATES AND OTHER MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED FOR MOISTURE RESISTANCE.

ALL CONNECTORS EXPOSED TO WEATHER OR IN CONTACT WITH TREATED WOOD SHALL BE FABRICATED WITH A MINIMUM G185 GALVANIZED COATING IN ACCORDANCE WITH ASTM A653 (I.E. SIMPSON ZMAX) OR HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A653. ALL OTHER CONNECTORS SHALL BE FABRICATED WITH A MINIMUM G90 GALVANIZED COATING IN ACCORDANCE WITH ASTM A653.

WOOD FASTENERS (INCLUDING NAILS, BOLTS, NUTS, WASHERS, ETC.) SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 AT ALL CONNECTIONS EXPOSED TO WEATHER, IN CONTACT WITH TREATED WOOD, AND AT ALL ROOF AND EXTERIOR WALL SHEATHING.

ALL LAG SCREWS WITH A DIAMETER OF 3/8" OR GREATER SHALL BE INSTALLED USING A LEAD HOLE WITH A DIAMETER EQUAL TO 60 TO 70 PERCENT OF THE SHANK DIAMETER. THE LEAD HOLE LENGTH SHALL BE EQUAL TO THE LAG SCREW EMBEDMENT.

ALL WOOD SHEATHING SHALL HAVE VISIBLE APA RATING STAMP.

I. POST-INSTALLED ANCHORS

IF SPECIFIC POST-INSTALLED ANCHOR IS NOT INDICATED ON DRAWINGS, THEN THE FOLLOWING POST-INSTALLED ANCHORS OR ADHESIVE SHALL BE USED FOR THIS PROJECT UNLESS EQUAL SUBSTITUTIONS ARE SUBMITTED AND APPROVED.

EXPANSION ANCHORS
- STRONG BOLT 2 BY SIMPSON STRONG TIE
- KWIK BOLT-TZ BY HILTI
- DEWALT STUD SD1

CONCRETE OR MASONRY SCREWS
- TITEN TURBO BY SIMPSON STRONG TIE
- DEWALT ULTRACON+
- KWIK-CON II BY HILTI

EPOXY ADHESIVE
- SET-3G BY SIMPSON STRONG TIE
- HIT-RE 500v3 BY HILTI
- DEWALT PURE 220+

HEAVY DUTY SCREW ANCHORS
- TITEN HD BY SIMPSON STRONG-TIE
- KH-EZ BY HILTI
- DEWALT SCREW BOLT+

ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH STRICT ADHERENCE TO THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

FOR ALL POST INSTALLED ANCHOR APPLICATIONS, HOLES SHALL BE DRILLED WITH A HAMMER DRILL, U.N.O.

ALL DRILLED HOLES FOR ADHESIVE ANCHORS SHALL BE BRUSHED AND BLOWN CLEAN WITH COMPRESSED AIR AS SPECIFIED BY THE MANUFACTURER.

ALL ADHESIVE ANCHORS SHALL BE INSTALLED IN DRY CONCRETE, U.N.O.

DO NOT INSTALL POST-INSTALLED ANCHORS INTO NEW CONCRETE UNTIL DESIGN 28-DAY COMPRESSIVE STRENGTH HAS BEEN ACHIEVED AND IN NO CASE LESS THAN 7 DAYS.

ALL POST-INSTALLED ANCHORS AND ACCESSORIES EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED (OR HAVE APPROVED EQUAL CORROSION RESISTANCE).

J. PRE-ENGINEERED WOOD ROOF TRUSSES

CALCULATIONS FOR THE ROOF TRUSSES SHALL BE BASED UPON THE FOLLOWING CRITERIA:

TOP CHORD LIVE LOAD ------------- 20 PSF
TOP CHORD DEAD LOAD ----------- 10 PSF
BOTTOM CHORD LIVE LOAD ------- 0 PSF
BOTTOM CHORD DEAD LOAD ----- 10 PSF
MAX. SPACING --------------------- 2'-0" O.C. MAX.
DEFLECTION
TOTAL LOAD ----------------------- L/360
LIVE LOAD ------------------------- L/400

ASCE 7-16
ULTIMATE WIND SPEED ----------- 136 MPH
EXPOSURE CATEGORY ------------- C
RISK CATEGORY -------------------- II

ALL PRE-ENGINEERED WOOD ROOF TRUSSES SHALL BE SECURED TO THEIR SUPPORTING MEMBERS TO RESIST THE WIND UPLIFT AND SHEAR FORCES. THESE CONNECTIONS SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY PRE-ENGINEERED TRUSS SUPPLIER.

ALL PRE-ENGINEERED WOOD ROOF TRUSSES SHALL BE FABRICATED, HANDLED, ERECTED, AND BRACED AS PER THE TRUSS PLATE INSTITUTE (TPI) STANDARDS TO ENSURE ALL LOADS ARE TRANSMITTED TO THE SUPPORTING MEMBERS PER THE TRUSS ENGINEER'S ASSUMPTIONS.

STRUCTURAL CALCULATIONS STAMPED BY A CIVIL ENGINEER LICENSED IN LOUISIANA SHALL BE PROVIDED FOR ALL PRE-FABRICATED COMPONENTS.

A TRUSS PERMANENT BRACING PLAN, STAMPED BY A CIVIL ENGINEER LICENSED IN LOUISIANA, SHALL BE SUBMITTED FOR APPROVAL WITH TRUSS SHOP DRAWINGS. TRUSSES SHALL NOT BE APPROVED FOR FABRICATION UNTIL TRUSS PERMANENT BRACING PLAN IS APPROVED.

MINIMUM SIZE FOR TRUSS TOP AND BOTTOM CHORDS SHALL BE 2x6 FOR SPANS LONGER THAN 15 FEET.

TRUSS SUPPLIER SHALL DESIGN AND PROVIDE ALL HEADERS AND HARDWARE FOR TRUSS CONNECTIONS AND RAFTER TO TRUSS CONNECTIONS AND RAFTER TO TRUSS.

THE TRUSS SUB-CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE IN-PLACE TRUSSES TO ENSURE THAT THEY HAVE BEEN INSTALLED PER THE DESIGN SUBMITTED FOR APPROVAL.

ANY MISC. STEEL REQUIRED FOR TEMPORARY AND PERMANENT TRUSS BRACING, TRUSS-TO-TRUSS AND TRUSS-TO-BEARING CONNECTIONS SHALL BE INCLUDED IN WOOD TRUSS PRICE.

PRE-ENGINEERED TRUSS SUPPLIER SHALL DESIGN, FURNISH, AND INSTALL HURRICANE TIES TO RESIST UPLIFT AND HORIZONTAL REACTIONS AS DETERMINED BY TRUSS DESIGN AND ANALYSIS. HURRICANE TIES SHALL BE INCLUDED IN TRUSS SUB-CONTRACTORS PRICE AND SHALL BE SHOWN ON TRUSS SHOP DRAWINGS FOR APPROVAL.

PROVIDE 2x4 WOOD BLOCKING BETWEEN ROOF TRUSSES ALONG ALL RIDGES, HIP, AND VALLEY IN ROOF. FASTEN ROOF DECK TO BLOCKING FROM BOTH SIDES OF JOINT WITH 10d NAILS AT 6" O.C. CUT ENDS OF BLOCKING TO FIT FLUSH AGAINST TRUSS TOP CHORD AND PROVIDE (2)-10d TOENAILS AT EACH END OF BLOCKING MEMBER.

AT TOP OF EXTERIOR WALLS WHICH SUPPORT PRE-ENGINEERED WOOD ROOF TRUSSES, THE TRUSS SUPPLIER SHALL DESIGN EACH TRUSS TO TRANSFER FOR AN ASD-FACTORED LATERAL FORCE DUE TO WIND PERPENDICULAR TO THE WALL IN EITHER DIRECTION OF 600 POUNDS. TRUSS SHALL BE DESIGNED TO TRANSFER FORCE FROM TOP OF WALL TO ROOF ABOVE.

K. NOTICE

THE USE OF REPRODUCTION OF THESE CONTRACT DRAWINGS BY THE CONTRACTOR, SUB-CONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARED SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING FROM ANY ERRORS THAT MAY BE PRESENT HEREON.

IN THE EVENT OF CONFLICTING OR DIFFERING REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS THAT HAVE NOT BEEN CLARIFIED OR CHANGED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY, GREATER QUANTITY, OR MORE STRINGENT UNLESS DIRECTED OTHERWISE BY ARCHITECT/ENGINEER.

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION, EXCEPT WHERE SPECIFIC REQUIREMENTS ARE PROVIDED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND PERSONNEL DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, EXCAVATION PROTECTION, SCAFFOLDING, JOB SITE SAFETY, ETC. STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES OF CONSTRUCTION.

L. FIELD VERIFICATIONS

CONTRACTOR TO FIELD MEASURE ALL NEEDED DIMENSIONS PRIOR TO ORDERING MATERIAL.

CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DETAILS, GEOMETRY, DIMENSIONS, AND ELEVATIONS PRIOR TO ORDERING/FABRICATION OF MATERIALS. CONTACT ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DIMENSIONS, DETAILS, OR ELEVATIONS ARE NOT FOUND TO MATCH THOSE SHOWN ON THE PLANS.

M. ABBREVIATIONS

@ -------------------- AT
A/E ------------------- ARCHITECT/ENGINEER
A.F.F. ----------------- ABOVE FINISHED FLOOR
ARCH. --------------- ARCHITECTURAL
BF -------------------- BRACED FRAME
BM. ------------------ BEAM
B.O.C. ---------------- BEAM ON COLUMN
B.O.S. ---------------- BOTTOM OF STEEL
BOT. ----------------- BOTTOM
BTM. ----------------- BOTTOM
B/W ------------------ BETWEEN
BTWN. --------------- BETWEEN
C.F.M.F. OR CFMF --- COLD-FORMED METAL FRAMING
C.I.P.------------------ CAST-IN-PLACE
C.G OR CG ---------- CENTER OF GRAVITY
CJP ------------------- COMPLETE JOINT PENETRATION
C.L. OR CL ----------- CENTER LINE
C.O.B. ---------------- COLUMN ON BEAM
COL. ----------------- COLUMN
CONT. --------------- CONTINUOUS
CONNX. ------------- CONNECTION
EL. ------------------- ELEVATION
ELEV.----------------- ELEVATION
ELEC. ---------------- ELECTRICAL
E.O.A. ---------------- EDGE OF ANGLE
E.O.R. ---------------- ENGINEER OF RECORD
E.O.S. ---------------- EDGE OF SLAB
EXIST. ---------------- EXISTING
F.F. ------------------- FINISH FLOOR
FIN. FLR. ------------- FINISH FLOOR
GA. -------------------GAGE
GC ------------------- GENERAL CONTRACTOR
GL --------------------GLUE-LAMINATED
GR. BM. -------------- GRADE BEAM
HI -------------------- DETAIL APPLIES HIGH
H.S.A. OR HSA -------HEADED STUD ANCHOR
H.S.A.S.--------------- HEADED STUD ANCHORS
HSS -------------------HOLLOW STRUCTURAL SECTION
LO --------------------DETAIL APPLIES LOW
M.B.S.-----------------METAL BUILDING SUPPLIER
MECH. --------------- MECHANICAL
MEP------------------ MECHANICAL, ELECTRICAL, PLUMBING
N.T.S.----------------- NOT TO SCALE
O.C. ------------------ ON CENTER
O.C.E.W. ------------- ON CENTER EACH WAY
OPP. ------------------ OPPOSITE
PEMBS --------------- PRE-ENGINEERED METAL BUILDING SUPPLIER
PL. --------------------PLATE
P.T. ------------------- POST TENSION OR POST-TENSIONED
POST-TENS ----------POST TENSION OR POST-TENSIONED
REINF. ----------------REINFORCEMENT
RTU -------------------ROOF TOP UNIT
SIM. ------------------SIMILAR
S.O.G.-----------------SLAB ON GRADE
STR. ------------------ STRENGTH
T.O. ------------------ TOP OF
T.O.C. ---------------- TOP OF CONCRETE
T.O.J. ----------------- TOP OF JOIST
T.O.S. -----------------TOP OF STEEL
U.N.O. ----------------UNLESS NOTED OTHERWISE
V.O.J. -----------------VERIFY ON JOBSITE
W/ ------------------- WITH
WF ------------------- WIDE FLANGE
WWF -----------------WELDED WIRE FABRIC

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0" ½" 1"

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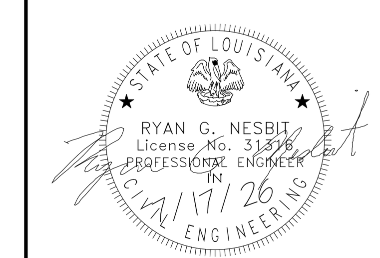
CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK



NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	RN
QUALITY CONTROL	RN

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GENERAL NOTES

H/S

CONCRETE MIX REQUIREMENTS

USAGE	AGGREGATE	MIN. CEMENT (lb/yd³)	SLUMP (inches)	7 DAY STR. (psi)	28 DAY STR. (psi)	WATER REDUCER	REMARKS
SPREAD FTGS.	(1)	489	4	2000	3000	(B)	
GRADE BEAMS	(1)	489	4	2000	3000	(B)	
PEDESTALS	(1)	489	4	2000	3000	(B)	
SLAB ON GRADE	(1)	545	7	2700	4000	(A)	
CMU FILL	(2)	489	9	2000	3000	(A) OR (C)	
DRY BOTTOMS					1500		
ALL OTHERS	(1)	545	7	2700	4000	(A)	

(1) REGULAR SAND AND GRAVEL (145 pcf)

(2) REGULAR SAND AND PEA GRAVEL (145 pcf)

(A) MID-RANGE WATER REDUCER

(B) CONTRACTOR'S OPTION - IF WATER REDUCER IS USED, THEN SLUMP SHALL BE 7".

(C) SUPER PLASTICIZER

NOTES:

THE SLUMP IN THE TABLE ABOVE IS GIVEN AT POINT OF PLACEMENT. THE ALLOWABLE TOLERANCE FOR SLUMP IS PLUS OR MINUS ONE INCH FROM THE VALUES GIVEN IN THE TABLE.

IF SUPER PLASTICIZER IS USED, THE SLUMP SHALL BE 3" PRIOR TO ADDITION OF THE SUPER PLASTICIZER. DO NOT USE SUPER PLASTICIZER IN SLABS.

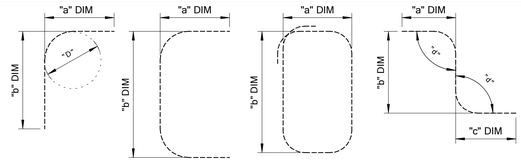
CONCRETE NOT MEETING THE SPECIFIED SEVEN DAY STRENGTH SHALL EITHER BE REMOVED OR CONSTRUCTION MUST BE STOPPED IN THE QUESTIONABLE AREA UNTIL THE 28 DAY TEST VALUES HAVE BEEN APPROVED.

SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

REFERENCE SPECIFICATION SECTION 03 3000- FOR PROPORTIONING AND DESIGN OF MIXES.

REFERENCE SPECIFICATION SECTION 04 2200- FOR PROPORTIONING AND DESIGN OF MIXES FOR CMU FILL ONLY.

STANDARD BAR BEND DIAGRAMS



L BAR U BAR TIES AND HOOPS Z BAR ("d" = 90 DEGREES IF NOT PROVIDED)

NOTES:

SEE DETAILS AND KEYNOTES FOR DIMENSIONS OF ALL BARS AND TIES.

WHERE "a" AND "b" DIMENSIONS ARE NOT GIVEN, BASE DIMENSIONS ON CLEAR COVER DIMENSIONS FROM OUTER EDGE OF CONCRETE.

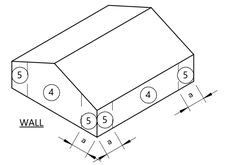
UNLESS NOTED OTHERWISE, ALL BAR BEND DIAMETERS ("D") SHALL BE IN ACCORDANCE WITH LATEST VERSION OF ACI 318.

COMPONENTS & CLADDING DESIGN WIND PRESSURES (PSF)

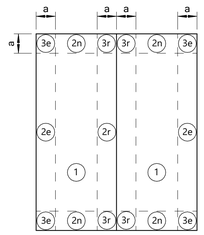
ZONE / EWA (SF)	ROOF				WALLS			OVERHANG				
	1 & 2e	2n, 2r, & 3e	3r	POSITIVE	4	5	POSITIVE	1 & 2e	2n & 2r	3r	3e	POSITIVE
≤10	-77.4	-112.9	-134.2	25.4	-45.4	-56.1	41.9	-88.8	-124.3	-145.6	-166.9	48.3
20	-77.4	-97.6	-115.0	22.9	-43.6	-52.3	40.0	-88.8	-112.8	-125.7	-141.2	46.4
50	-47.1	-77.4	-89.5	19.6	-41.1	-47.3	37.5	-68.5	-97.6	-99.4	-107.3	43.9
100	-24.1	-62.1	-70.3	17.0	-39.2	-43.6	35.6	-53.3	-86.2	-79.5	-81.7	42.0
200	-24.1	-46.8	-70.3	17.0	-37.3	-39.8	33.7	-53.3	-74.7	-59.7	-81.7	40.1
≥500	-24.1	-41.9	-70.3	17.0	-34.8	-34.8	31.2	-53.3	-71.0	-53.3	-81.7	37.6

NOTES:

1. EWA IS EFFECTIVE WIND AREA OF A STRUCTURAL COMPONENT.
2. FOR ZONE DEFINITIONS, SEE ASCE 7-16 FIGURES 30.4 – (AS APPLICABLE).
3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACE RESPECTIVELY.
4. EDGE WIDTH DIMENSION "a"=6.8 FT.
5. LINEAR INTERPOLATION MAY BE USED BETWEEN EWA VALUES PROVIDED IN THE ABOVE TABLE.
6. PRESSURES IN THE ABOVE TABLE ARE ULTIMATE LEVEL PRESSURES BASED ON LATERAL DESIGN WIND PARAMETERS IN GENERAL NOTES.



Walls h ≤ 60' & alt design h < 90'



MULTISPAN GABLE & GABLE
7° < θ ≤ 45°

WOOD SHEATHING/DECKING FASTENER REQUIREMENTS

TYPE	SHEATHING/DECKING TYPE	GENERAL FASTENER SPACING	EDGE FASTENER SPACING	REMARKS
ROOF	3/4" EXPOSURE 1 GRADE PLYWOOD	12" O.C.	6" O.C.	[A] [B]
ATTIC FLOOR	3/4" EXPOSURE 1 GRADE TONGUE-IN-GROOVE PLYWOOD	12" O.C.	6" O.C.	[A] [C]

[A] ALL FASTENERS SHALL BE 10d COMMON NAILS (0.148" DIA. x 3" LONG), EXCEPT USE 1-1/2" LONG 10d NAILS AT 2x WOOD NAILERS AT STEEL FLOOR AND ROOF BEAMS.

ATTACH SHEATHING/DECKING TO SUPPORTS AT 6" O.C. (U.N.O.) AROUND THE EDGES OF ALL SHEETS, AND AT 12" O.C. IN THE FIELDS OF THE SHEETS.

[B] ATTACH ROOF DECK TO ALL SUPPORTS AT ROOF OVERHANGS AND AT 8'-0" WIDE STRIPS AROUND PERIMETER OF ENCLOSED BUILDING SPACES. AT 4" O.C. (MAX.)

[C] IN ADDITION TO REQUIRED FASTENING, FLOOR DECKING SHALL BE GLUED TO THE TOP OF EACH FLOOR FRAMING MEMBER (TRUSS, JOIST, BEAM, LEDGER, ETC.) WITH AN ADHESIVE COMPLYING WITH APA AFG-01 AND ASTM D3498 THAT IS APPROVED FOR USE WITH THE DECKING INDICATED BY BOTH MANUFACTURERS OF ADHESIVE AND DECKING. APPLY ADHESIVE CONTINUOUSLY ALONG TOP OF FLOOR FRAMING MEMBERS IN 3/8" DIAMETER (MIN.) BEADS. THIS ADHESIVE SHALL ALSO BE APPLIED IN CONTINUOUS 1/4" DIAMETER (MIN.) BEADS AT TONGUE-AND-GROOVE JOINTS.

REBAR LAP SPLICE REQUIREMENTS (MIN.)

LOCATION	BEAMS AND FOUNDATIONS		WALLS AND SLABS	
BAR \ f'c	3000 PSI	4000 PSI	3000 PSI	4000 PSI
#3	22"	19"	16"	16"
#4	29"	25"	17"	16"
#5	36"	31"	26"	22"
#6	36"	36"	36"	36"
#7	42"	42"	42"	42"
#8	42"	42"	42"	42"

GENERAL NOTES:

LAP SPLICE LENGTHS ABOVE APPLY TO ALL REINFORCING BARS FOR THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE PLANS.

LAP SPLICE LENGTHS IN TABLE ABOVE DO NOT PERTAIN TO REINFORCING IN MASONRY CONSTRUCTION. REFER TO GENERAL NOTES FOR SPLICE REQUIREMENTS IN MASONRY CONSTRUCTION.

ALL LAP SPLICES PROVIDED ABOVE ARE FOR NORMAL WEIGHT CONCRETE AND GRADE 60 REINFORCING BARS IN TENSION. SPLICES FOR WALL AND SLAB BARS ARE BASED ON A MINIMUM OF 1" CLEAR COVER.

FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.

LAP SPLICES FOR GRADE BEAM TOP BARS SHALL BE PLACED IN THE CENTER OF THE SPAN BETWEEN DRILLED SHAFTS (OR PILES). LAP SPLICES FOR GRADE BEAM BOTTOM BARS SHALL BE PLACED DIRECTLY ABOVE A DRILLED SHAFT (OR PILE).

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	RN
QUALITY CONTROL	RN

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1" 3/4" 0" 3/4" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

MECHANICAL GENERAL NOTES

1. ALL WORK BY CONTRACTORS SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, INCLUDING THE CURRENT INTERNATIONAL ENERGY CONSERVATION CODE.
2. MATERIALS FURNISHED UNDER THE CONTRACT SHALL BE NEW & SHALL BEAR THE UL LABEL WHERE APPLICABLE, UNLESS NOTED OTHERWISE. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTIVE MATERIALS & WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE YEAR AFTER COMPLETION & ACCEPTANCE BY THE OWNER, LONGER IF STATED OTHERWISE ELSEWHERE IN THE SPECIFICATION.
3. CONTRACTOR SHALL INSTALL SYSTEMS WITHOUT INTERFERENCE & PROVIDE MANUFACTURER'S RECOMMENDED AIR & SERVICE CLEARANCES. CONTRACTOR SHALL COORDINATE WITH ALL TRADES & DISCIPLINES.
4. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR ON LOCATION OF ALL FIRE & SMOKE WALL PENETRATIONS. GENERAL CONTRACTOR SHALL FRAME OUT OPENING AS REQUIRED FOR LIFE SAFETY DAMPERS. PROVIDE LIFE SAFETY DAMPERS WHERE SHOWN ON DRAWINGS AND WHERE REQUIRED BY NFPA AND LOCAL BUILDING CODES.
5. ALL FIRE DAMPERS SHALL BE 2-HOUR RATED UNLESS SPECIFIED OR NOTED OTHERWISE ON DRAWINGS AND/OR SPECIFICATIONS.
6. SEAL ALL FIRE WALL PENETRATIONS (DUCT, PIPE, ETC.) WITH UL-LISTED FIRE CAULK IN ACCORDANCE WITH NFPA 101.
7. MECHANICAL CONTRACTOR SHALL COORDINATE BETWEEN ELECTRICAL AND OTHER TRADES FOR PENETRATIONS AT WALLS, FLOORS AND ROOFS, EXACT EQUIPMENT LOCATIONS, AND REQUIRED EQUIPMENT SERVICE AND AIR FLOW CLEARANCE.
8. INSTALLATION OF DUCTWORK SHALL TAKE PRECEDENCE OVER INSTALLATION OF PLUMBING PIPING THAT IS NOT GRADE SENSITIVE (SEWER, STORM DRAINAGE, GREASE WASTE, ETC.) AND ELECTRICAL CONDUIT. CONTRACTOR TO COORDINATE CEILING SPACE AVAILABLE, EXACT MECHANICAL ROOM LAYOUT, DUCT AND PIPE ROUTING AND EXACT EQUIPMENT LOCATIONS WITH GENERAL, ELECTRICAL, STRUCTURAL AND PLUMBING CONTRACTORS. PROVIDE OFFSETS AND TRANSITIONS AT OBSTRUCTIONS WHERE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
9. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT PRIOR TO INSTALLATION OF THERMOSTATS/TEMPERATURE SENSORS ON WALL. COORDINATE THERMOSTATS/TEMPERATURE SENSORS WITH ALL WALL MOUNTED FURNISHINGS (ART, SCREENS, FURNITURE, ETC.). LOCATE THERMOSTATS AND HUMIDISTATS 4' ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL VISIT THE SITE FOR INSPECTION REGARDING ANY WORK REQUIRED TO COMPLETE THE SCOPE OF WORK FOR THE PROJECT PRIOR TO BID. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR BIDDERS AWARDED THE WORK FOR FAILURE TO EXAMINE SITE PRIOR TO BID.
11. CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND VISIT THE SITE AND COORDINATE DUCT, PIPE AND EQUIPMENT SIZES AND ROUTING. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER WHERE DISCREPANCIES OCCUR BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS.
12. CONTRACTOR SHALL REVIEW CEILING SPACE AND MECHANICAL ROOM SPACE AVAILABLE FOR DUCT, PIPING AND EQUIPMENT AND MAKE REQUIRED ALLOWANCES FOR THE SIZE AND ROUTING OF DUCT, PIPING AND EQUIPMENT.
13. MECHANICAL CONTRACTOR TO REVIEW CEILING SPACE AVAILABLE AND VERIFY FIELD MEASUREMENTS AND COORDINATION DRAWINGS PRIOR TO FABRICATING DUCT. BRANCH DUCT RUNS SHOWN DIAGRAMMATICALLY; CONTRACTOR SHALL ROUTE BRANCH DUCT RUNS IN MOST DIRECT MANNER.
14. COORDINATE EXACT LOCATION OF ALL SLAB, FLOOR, WALL AND ROOF PENETRATIONS WITH EXISTING STRUCTURAL BEAMS, JOIST AND COMPONENTS. DO NOT CUT OR MODIFY EXISTING STRUCTURAL COMPONENTS WITHOUT APPROVAL FROM STRUCTURAL ENGINEER.
15. CONTRACTOR SHALL VERIFY EQUIPMENT TO BE SUPPLIED TO PROJECT CAN BE INSTALLED IN SPACE PROVIDED AND ALL SERVICE AND AIRFLOW CLEARANCES MAINTAINED PRIOR TO ORDERING EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MODIFICATIONS REQUIRED FOR EQUIPMENT THAT IS SUPPLIED THAT IS DIFFERENT THAN EQUIPMENT THAT IS BASIS OF DESIGN.
16. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT AND RELATED SYSTEM COMPONENTS FOUND POSITIVE FOR MOLD, MILDEW, ASBESTOS, HARMFUL BACTERIA OR ANY OTHER CONTAMINATION BE PLACED INTO SERVICE.
17. INSTALL DUCT SLEEVES IN WALLS AS HIGH AS POSSIBLE, DUCT SLEEVE SHALL EXTEND PAST WALL PENETRATION ON BOTH SIDES MINIMUM 24". RETURN AIR TRANSFER SLEEVES SHALL BE PROVIDED WITH TWO (2) DUCT ELBOWS.
18. COORDINATE ALL UNDERGROUND PIPING & WORK WITH EXISTING SYSTEMS, INCLUDING EXISTING UTILITIES, SEWER, GAS, DOMESTIC WATER, CHILLED/HEATING WATER, ELECTRIC DUCT BANKS AND POWER. NOT ALL EXISTING SYSTEMS SHOWN. COORDINATE ALL EXISTING SYSTEMS PRIOR TO BEGINNING WORK. MARKED UTILITIES AND EXISTING SYSTEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AND REPAIRED BACK TO ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONSTRUCTION CONTRACT.
19. MODEL NUMBERS SCHEDULED/SPECIFIED REPRESENT THE TYPE AND QUALITY OF EQUIPMENT REQUIRED TO MEET THE DESIGN REQUIREMENTS. CONTRACTOR SHALL REVIEW SUBMITTALS AND VERIFY EQUIPMENT SIZES, QUALITY AND PERFORMANCE REQUIREMENTS MEET SPECIFICATIONS PRIOR TO SUBMITTING FOR APPROVAL. EQUIPMENT THAT DIFFERS FROM BASIS OF DESIGN IS SUBJECT TO REJECTION. CONTRACTOR TO COORDINATE ALL DIFFERENCE IN EQUIPMENT WITH STRUCTURAL, ELECTRICAL AND PLUMBING CONTRACTORS.
20. ALL CONDENSATE LINES SHALL BE RIGID COPPER, INSULATED WITH CELLULAR FOAM UNLESS NOTED OTHERWISE OR SUBMITTED AND APPROVED BY MECHANICAL ENGINEER. SUPPORT WITH UNISTRUT PIPE EVERY 4' AND AT TURNS. PROVIDE NEOPRENE SLEEVES BETWEEN UNISTRUT AND COPPER CONDENSATE LINE.
21. DUCT SIZES SHOWN ARE SHEET METAL SIZES. ALLOWANCES HAVE BEEN INCLUDED FOR INTERNAL LINER WHERE APPLICABLE.
22. COORDINATE EXACT LOCATION OF AIR DEVICES WITH NEW AND EXISTING LIGHTS TO BE INSTALLED PRIOR TO CONSTRUCTION.
23. EXPOSED DUCTWORK SHALL BE PAINT GRIPPED SHEET METAL UNLESS INDICATED OTHERWISE. ALL EXPOSED DUCT TO BE PAINTED IN FIELD BY PAINTING CONTRACTOR DURING CONSTRUCTION. COORDINATE WITH ARCHITECT & MECHANICAL ENGINEER PRIOR TO INSTALLATION OF EXPOSED DUCT AND COLOR. EXPOSED DUCTWORK SHALL BE FREE OF SIZE MARKS OR ASSEMBLY CODE NUMBERS; ALL MARKS SHALL BE ON THE INSIDE OF DUCTWORK. KEEP OUTSIDE SURFACES OF DUCT CLEAN DURING FABRICATION. BANDS SHALL JOIN ON TOP, CONCEALED FROM NORMAL VIEW OF THE DUCT AND SPIRALS SHALL BE CONTINUOUS. THREADED RODS FROM HANGER STRAPS SHALL BE NEATLY CLIPPED AND SECURED WITHOUT EXCESS. GREATER ATTENTION TO APPEARANCE FOR EXPOSED DUCT IS EXPECTED AND DENTED/SCARRED DUCTS SHALL NOT BE ACCEPTABLE.
24. PROVIDE ELECTRICAL DISCONNECTS FOR MECHANICAL EQUIPMENT (VAV BOXES, FANS, VFDs, ETC.) FACTORY INSTALLED BY EQUIPMENT MANUFACTURER UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL CONTRACTOR.
25. DO NOT ROUTE PIPING CONTAINING WATER OVER ELECTRICAL EQUIPMENT.
26. PROVIDE PERMANENT LABELS FOR ALL SCHEDULED EQUIPMENT. LABELS SHALL BE MINIMUM 3/8" ENGRAVED BLACK LETTERS ON WHITE BACKGROUND, CONSTRUCTED OF MINIMUM 1" WIDE, LENGTH AS REQUIRED LAMINATED PLASTIC. SECURELY FASTENED TO EQUIPMENT WITH STAINLESS STEEL OR NONCORRODING HARDWARE. STICK ON LABELS NOT ACCEPTABLE.
27. EXHAUST OUTLETS SHALL BE LOCATED MINIMUM 10' FROM ANY AIR INTAKE OR OPERABLE BUILDING OPENING.
28. INDOOR MINISPLITS, FAN COIL UNITS AND CEILING CASSETTES SHALL HAVE GRAVITY DRAINAGE WHERE POSSIBLE. PROVIDE WITH INTEGRAL CONDENSATE PUMPS WHERE NOT POSSIBLE.
29. PROVIDE RETURN AIR GRILLES OPEN TO RETURN AIR PLENUM WITH SOUND ATTENUATING BOOT ON REAR OF GRILLE (RIGID DUCT WITH INSULATED LINER & TWO ELBOWS, END OPEN TO RETURN AIR PLENUM). CONTRACTOR HAS OPTION TO PROVIDE PRICE MODEL #RAC RETURN AIR CANOPY ON REAR OF RETURN AIR GRILLES OPEN TO RA PLENUM IN LIEU OF SOUND ATTENUATING BOOT.
30. <u>ELECTRONIC BALANCING DAMPERS : MANUAL DAMPER AT INACCESSIBLE LOCATIONS:</u>
    - 30.1. PROVIDE REMOTE BALANCING DAMPER WITH POSITION INDICATOR AT INACCESSIBLE MANUAL VOLUME DAMPERS
    - 30.2. INACCESSIBLE LOCATIONS:
    - 30.2.1. ABOVE GYPSUM BOARD/HARD CEILING
    - 30.2.2. WHERE LOCATED HIGHER THAN 4'-0" ABOVE ACCESSIBLE CEILING TILE
    - 30.2.3. WHERE LOCATED ABOVE 14'-0" FROM FINISHED FLOOR
    - 30.2.4. REFER TO ARCHITECTURAL REFLECTED CEILING DRAWINGS FOR REFLECTED CEILING PLAN
    - 30.3. ELECTRONIC BALANCING DAMPER SHALL BE PROVIDED WITH POSITION INDICATOR AND SHALL BE GREENHECK MODEL RBDR-50 (ROUND) & RBD-10 (RECTANGULAR) OR APPROVED EQUAL, UNLESS INDICATED OTHERWISE.
    - 30.4. REMOTE BALANCING DAMPER SHALL BE 12 VOLT DC POWER BALANCE SYSTEM (DAMPER, PULSE ACTUATOR , CAT 5 CABLE, WALL OR CEILING PLATE AND HAND HELD POWER PACK). PROVIDE WALL/CEILING ACCESS PORT ON WALL WITHIN CLOSEST MECHANICAL ROOM OR ABOVE ACCESSIBLE CEILING MOUNTED ON WALL. ALL ACCESS PORTS TO BE PROPERLY LABELED NUMERICALLY BY RESPECTIVE AIR SYSTEM & ROOM DAMPER SERVES. COORDINATE WITH MECHANICAL ENGINEER PRIOR TO LABELING & COORDINATE LOCATION WITH MECHANICAL ENGINEER & ARCHITECT PRIOR TO INSTALLING ANY ACCESS PORT ABOVE ACCESSIBLE CEILINGS. PROVIDE TILE IDENTIFICATION WHERE LOCATED ABOVE CEILING, PROVIDE DRAWING IDENTIFYING PORT LOCATION & PORT SCHEDULE AS PART OF CLOSE OUT DOCUMENTS.
31. PROVIDE UL LISTED SMOKE DETECTORS IN THE MAIN SUPPLY DUCT AND RETURN ON THE DOWNSTREAM SIDE OF THE FILTERS IN ALL RECIRCULATING AIR SYSTEMS HANDLING OVER 2000 CFM NOTE: SMOKE DETECTORS TO BE WIRED TO BUILDING FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR, FIRE ALARM CONTRACTOR IS TO PROVIDE AND INSTALL ALL WIRING, TERMINATIONS, ETC. TO PROVIDE A COMPLETE, PROPERLY FUNCTIONING AND OPERATING SYSTEM.
32. PROVIDE SMOKE DAMPER IN THE MAIN SUPPLY & RETURN DUCT IN ALL AIR HANDLING UNITS HANDLING OVER 15,000 CFM. SMOKE DAMPERS TO BE INTERCONNECTED TO SMOKE DETECTORS.
33. PROVIDE ACCESS PANELS FOR EQUIPMENT,VALVES, DAMPER, ETC. LOCATED ABOVE A NON ACCESSIBLE CEILING. ACCESS PANELS SHALL BE LARGE ENOUGH FOR ALL REQUIRED MAINTENANCE, ADJUSTMENT, ETC. PROVIDE MULTIPLE ACCESS PANELS AS REQUIRED. COORDINATE COLOR AND LOCATIONS WITH ARCHITECT. PROVIDE FIRE AND/ OR SMOKE RATED ACCESS PANELS WHERE REQUIRED IN RATED CEILINGS. REFERENCE ARCHITECTURAL DRAWINGS FOR RATED CEILING LOCATIONS. WHERE ACCESS PANELS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLAN, COORDINATE EXACT LOCATION OF EQUIPMENT, DEVICES, ETC. WITH ACCESS PANEL LOCATIONS.
34. PROVIDE TEMPORARY CAPS/PLUGS/COVERING ON ALL OPEN ENDED PIPING & DUCT DURING CONSTRUCTION TO PREVENT DIRT/DEBRIS FROM ENTERING PIPE/DUCT SYSTEMS.
35. PROVIDE PROTECTIVE LOCKABLE THERMOSTAT COVERS FOR THERMOSTATS. COORDINATE WITH OWNER.
36. MECHANICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR ON LOCATION OF ALL FLOOR DRAINS & HUB DRAINS AS NOT TO INTERFERE WITH EQUIPMENT & EQUIPMENT PADS. COORDINATE NEW FLOOR DRAIN & HUB LOCATION WHERE EQUIPMENT DOES NOT ALLOW FOR THE INSTALLATION SHOWN FOR DRAIN. COORDINATE HEIGHT OF HUB DRAINS FOR FAN COIL UNITS & CEILING CASSETTES.
37. PROVIDE TRANSITIONS FROM REAR OF ALL GRILLES TO BRANCH DUCTS AND TO ALL EQUIPMENT AS REQUIRED. REFER TO CONSTRUCTION DOCUMENTS FOR SIZES OF GRILLES AND DUCTS.
38. PRESSURE TEST ALL REUSED/REROUTED PIPING SYSTEMS. TESTING SHALL BE PERFORMED AT NORMAL SYSTEM OPERATING PRESSURE UNLESS INDICATED/SPECIFIED OTHERWISE. REPAIR AND RETEST AS REQUIRED UNTIL SYSTEMS ARE PROVEN TIGHT WITHOUT LEAKS.
39. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
40. LOCATE ALL TEMPERATURE PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP AND DOWN STREAM AS RECOMMENDED BY THE MANUFACTURER.
41. REINFORCEMENT, DETAILING, AND PLACEMENT OF CONCRETE SHALL CONFORM TO ASTM 315 AND ACI 318. CONCRETE SHALL CONFORM TO ASTM C94. CONCRETE WORK SHALL CONFORM TO ACI318, PART ENTITLED "CONSTRUCTION REQUIREMENTS." COMPRESSIVE STRENGTH IN 28 DAYS SHALL BE 3,000 PSI. TOTAL AIR CONTENT OF EXTERIOR CONCRETE SHALL BE BETWEEN 5 AND 7 PERCENT BY VOLUME. SLUMP SHALL BE BETWEEN 3 AND 4 INCHES. CONCRETE SHALL BE CURED FOR 7 DAYS AFTER PLACEMENT.
42. COORDINATE ALL EQUIPMENT CONNECTION WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
43. MINIMUM CONCRETE PAD THICKNESS SHALL BE 4 INCHES. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 INCHES ON EACH SIDE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS 15 LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION.
44. INSTALL TRANSITION DUCT FROM INLET AND OUTLET OF EQUIPMENT TO DUCT SIZE SHOWN ON PLANS; CONSULT EQUIPMENT MANUFACTURER FOR INLET AND OUTLET SIZE.
45. ALL DUCT ELBOWS, BENDS, AND TEES SHALL BE PROVIDED WITH DOUBLE THICKNESS TURNING VANES OR RADIUS ELBOWS UNLESS SHOWN OR NOTED OTHERWISE. ELBOWS IN DISHWASHER, KITCHEN, AND LAUNDRY EXHAUST SHALL BE VANELESS SMOOTH RADIUS CONSTRUCTION WITH A RADIUS OF 1.5 TIMES THE WIDTH OF THE DUCT.
46. PROVIDE ESCUTCHEONS AT ALL EXPOSED LOCATIONS WHERE PIPE PENETRATES WALL.
47. THE CONDENSATE DRAIN LINE SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE FLOOR DRAIN; ELEVATE UNIT TO ACCOMMODATE P-TRAP.
48. ALL EQUIPMENT AND DEVICES TO BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF CONTRACT DRAWINGS, SPECIFICATIONS, MANUFACTURERS RECOMMENDATIONS, AND ACCORDING TO CODE.
49. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS (SUPPLY, RETURN, AND EXHAUST) CONNECTED TO AIR HANDLING UNITS, FANS, AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS.
50. UNLESS OTHERWISE NOTED, ALL DUCTWORK IS OVERHEAD, TIGHT TO UNDERSIDE OF THE STRUCTURE, WITH SPACE FOR INSULATION.
51. ALL ROOF CURBS SHALL BE INSTALLED TO THE ROOFING STRUCTURE AND FINISH A MINIMUM 12" ABOVE THE FINISHED ROOF FOR COUNTER FLASH ENDORSED BY ROOF MANUFACTURER. ROOF CURBS SHALL BE PITCHED WHERE REQUIRED TO ENSURE EQUIPMENT IS INSTALLED LEVEL.
52. ALL MISCELLANEOUS ROOFTOP EQUIPMENT SUPPORTS SHALL BE ENDORSED BY BOTH THE RESPECTIVE EQUIPMENT MANUFACTURER AND ROOF SYSTEM MANUFACTURER.
53. ALL WALL APPLIED ITEMS SHALL BE INSTALLED PLUMB, LEVEL AND IN LOCATIONS DESIGNATED IN CONTRACT DOCUMENTS. ALL DEVICE COVERS AND TRIM SHALL FIT TIGHT TO WALL SURFACE ON ALL SIDES. WHERE SPECIFIC LOCATIONS FOR ITEMS NOT SHOWN OR CLEAR, CONTRACTOR SHALL OBTAIN CLARIFICATION AND DIRECTION FROM ARCHITECT AND MECHANICAL ENGINEER PRIOR TO INSTALLATION.
54. ALL FLEX DUCT SERVING DIFFUSERS SHALL BE LIMITED TO RUNS OF 6'. FLEX DUCT SHALL BE FLEXMASTER 1M-R6 OR APPROVED EQUAL AND USE STAINLESS STEEL (OR NYLON IF APPROVED BY MECHANICAL ENGINEER) TO CONNECT FLEX TO DUCT AND GRILLES.
55. FLEXIBLE DUCT NOT ACCEPTABLE FOR EXHAUST, RETURN AND FRESH AIR SYSTEMS UNLESS SPECIFIED OR NOTED OTHERWISE. FLEX DUCT SHALL NOT PENETRATE ANY WALLS UNLESS SUBMITTED AND APPROVED ON TO BOTH THE ARCHITECT AND MECHANICAL ENGINEER.
56. PROVIDE ADDITIONAL SUSPENDED SUPPORTS AS REQUIRED TO PREVENT FLEXIBLE DUCT FROM CONTACTING THE CEILING MATERIAL AND/OR CEILING FRAME/GRID ASSEMBLY.
57. ALL ROUND TAPS OFF RECTANGULAR DUCTWORK TO DIFFUSERS SHALL BE MADE WITH HIGH EFFICIENCY SIDE TAKEOFFS WITH 2" INSULATION STANDOFF BRACKETS AND LOCKING QUADRANT, FLEXMASTER MODEL STOD-BO3 OR APPROVED EQUAL.
58. ALL GRILLES LOCATED IN LAY-IN CEILINGS SHALL HAVE 24x24 FRAMES, STYLES TO FIT THE GRID TYPE, EITHER 15/16" OR 9/16" GRID, VERIFY GRID WITH ARCHITECTURAL DRAWINGS. PROVIDE PLASTER FRAMES FOR SURFACE MOUNT APPLICATIONS, PRICE MODEL AMF OR APPROVED EQUAL.
59. PROVIDE MANUAL VOLUME DAMPERS IN ALL BRANCH DUCT CONNECTIONS TO LOW PRESSURE MAIN DUCTS.
60. ALL EQUIPMENTS SUPPLIED TO THE PROJECT SHALL BE PER SPECIFICATIONS. OBTAINING APPROVED SUBMITTALS DOES NOT RELIEVE THE CONTRACTOR/SUPPLIER OF PROVIDING ALL FEATURES, OPTIONS AND ACCESSORIES INCLUDED WITHIN THE CONSTRUCTION DOCUMENTS.

SCHEDULE - DUCT & INSULATION

DUCT			INSULATION			
LOCATION	SERVICE	CONSTRUCTION	TYPE	DENSITY (lb/ft³)	THICKNESS	MINIMUM R-VALUE (ft² × °F × h/Btu)
INDOOR, CONCEALED	SUPPLY, RETURN, OUTSIDE, EXHAUST AIR	SINGLE WALL GALVANIZED	EXTERNAL DUCT WRAP WITH FSK JACKET	1.5	2"	R-6
INDOOR, EXPOSED	SUPPLY, RETURN, OUTSIDE, EXHAUST AIR	DOUBLE WALL GALVANIZED	INTERNAL FIBROUS GLASS LINER	1.5	2"	R-6
INDOOR, TOP OF AIR DEVICES	ALL	-	EXTERNAL DUCT WRAP WITH FSK JACKET	1.5	2"	R-6

NOTES:

1. EXTERNAL DUCT WRAP INSULATION:
   - A. MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN.
   - B. FACTORY APPLIED FSK JACKET: ALUMINUM-FOIL, FIBERGLASS-REINFORCED SKRIM WITH KRAFT-PAPER BACKING COMPLYING WITH ASTM C 1136.
2. INSTALL DUCT PENETRATIONS THROUGH EXTERIOR WALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT DUCT ROUTING & LENGTH WITH DUCT MANUFACTURER AS TO ENSURE DUCT JOINT IS NOT LOCATED WITHIN EXTERIOR WALL.

MECHANICAL SYMBOL LEGEND

(REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS)

GENERAL

- NEW WORK
- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- NEW EQUIPMENT OR FIXTURE
- MATCHLINE (MATCHLINE 1 / M101)
- GRID LINE
- SECTION SYMBOL (1 / M101 — SECTION, SHEET NUMBER)
- DETAIL SYMBOL (1 / M101 — DETAIL, SHEET NUMBER)
- DIFFUSER TAG (A-500 — CFM, MARK)
- SHEET REFERENCE TAG (RE: 1 / M101 — SHEET NUMBER, VIEW NUMBER)
- GENERAL NOTE
- DEMO NOTE
- REVISION TAG
- TIE INTO
- THERMOSTAT SYMBOL

DUCTWORK

- INTERNALLY INSULATED DUCT
- SUPPLY DUCT
- RETURN DUCT
- EXHAUST DUCT
- RECTANGULAR SUPPLY DUCT UP
- RECTANGULAR SUPPLY DUCT DN
- RECTANGULAR RETURN DUCT UP
- RECTANGULAR RETURN DUCT DN
- RECTANGULAR EXHAUST DUCT UP
- RECTANGULAR EXHAUST DUCT DN
- ROUND SUPPLY DUCT UP
- ROUND SUPPLY DUCT DN
- ROUND RETURN DUCT UP
- ROUND RETURN DUCT DN
- ROUND EXHAUST DUCT UP
- ROUND EXHAUST DUCT DOWN
- MITERED 90º ELBOW WITH DOUBLE DEFLECTION TURNING VANES
- MITERED 45º ELBOW WITH DOUBLE DEFLECTION TURNING VANES
- RADIUS ELBOW
- RECTANGULAR TRANSITION; SYMMETRIC
- RECTANGULAR TRANSITION; ASYMMETRIC
- DUCT WITH FLEXIBLE CONNECTION
- 45º LEAD-IN WITH MANUAL VOLUME DAMPER
- 45º RECTANGULAR TAP
- CHANGE IN RECTANGULAR DUCT ELEVATION; RISE
- CHANGE IN ROUND DUCT ELEVATION; DROP
- DUCT WITH MANUAL VOLUME DAMPER
- DUCT WITH BACK DRAFT DAMPER
- DUCT WITH FIRE DAMPER
- DUCT WITH SMOKE DAMPER
- DUCT WITH COMBINATION FIRE/SMOKE DAMPER
- DUCT WITH MOTORIZED DAMPER
- DUCT WITH HUMIDIFIER
- DUCT WITH ACCESS DOOR
- R/A GRILLE; SEE SCHEDULE FOR SIZE
- E/A GRILLE; SEE SCHEDULE FOR SIZE
- 4-WAY S/A DIFFUSER; SEE SCHEDULE FOR SIZE
- 3-WAY S/A DIFFUSER; SEE SCHEDULE FOR SIZE
- 2-WAY S/A DIFFUSER; SEE SCHEDULE FOR SIZE
- 1-WAY S/A DIFFUSER; SEE SCHEDULE FOR SIZE

THERMAL DESIGN CONDITIONS

ROOM DESCRIPTION	INDOOR			OUTDOOR		
	SUMMER		WINTER	SUMMER		WINTER
	DB(°F)	RH(%)	DB(°F)	DB(°F)	WB(°F)	DB(°F)
CONDITIONED AREAS	75°	50%	70°	95°	80°	20°

DB(°F): DRY BULB
WB(°F): WET BULB
RH(%): RELATIVE HUMIDITY

INDEX - MECHANICAL SHEETS

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M200	MECHANICAL DETAILS
M201	MECHANICAL DETAILS
M300	MECHANICAL SCHEDULES

ABBREVIATION LEGEND

AC	AIR CONDITIONING
ACCU	AIR COOLED CONDENSING UNIT
AFF	ABOVE FINISHED FLOOR
AFS	AIR FLOW STATION
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AS	AIR SEPARATOR
AV	AIR VENT
BAS	BUILDING AUTOMATION SYSTEM
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNIT PER HOUR
CC	COOLING COIL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHWCF	CHILLED WATER CHEMICAL FEED
CHP	CHILLED WATER PUMP
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
COMP	COMPRESSOR
CP	CIRCULATING PUMP
CU	CONDENSING UNIT
CT	COOLING TOWER
CV	CONTROL VALVE
CW	COLD WATER
CWCF	CONDENSER WATER CHEMICAL FEED
CWR	CONDENSER WATER RETURN
CWP	CONDENSER WATER PUMP
CWS	CONDENSER WATER SUPPLY
DB	DRY BULB TEMP (DEG F)
DDC	DIRECT DIGITAL CONTROL
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DPS	DIFFERENTIAL PRESSURE SWITCH
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRICAL
ENT	ENTERING
ECU	ELECTRIC CONDENSING UNIT
ERU	ELECTRIC REFRIGERANT UNIT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR
EX	EXHAUST
EXT	EXTERNAL
FA	FRESH AIR
FC/FCU	FAN COIL UNIT
FD	FIRE DAMPER
FT	FEET
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FV	FACE VELOCITY
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
GUH	GAS UNIT HEATER
HC	HEATING COIL
HP	HORSEPOWER
HR	HOUR
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
ID	INSIDE DIAMETER
IN	INCHES
KW	KILOWATTS
LVG	LEAVING
MA	MIXED AIR
MAX	MAXIMUM
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
NG	NATURAL GAS
MIN	MINIMUM
MVD	MANUAL VOLUME DAMPER
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOC.
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAU	OUTSIDE AIR UNITS
OS&Y	OUTSIDE STEM AND YOKE
OZ	OUNCES (PRESSURE)
PD	PRESSURE DROP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
REF	REFERENCE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RND	ROUND
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY AIR FAN
SP	STATIC PRESSURE
SPEC	SPECIFICATIONS
TEMP	TEMPERATURE
TOD	TOP OF DUCT
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LISTED
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W /	WITH
W / O	WITHOUT
WB	WET BULB (DEG F)

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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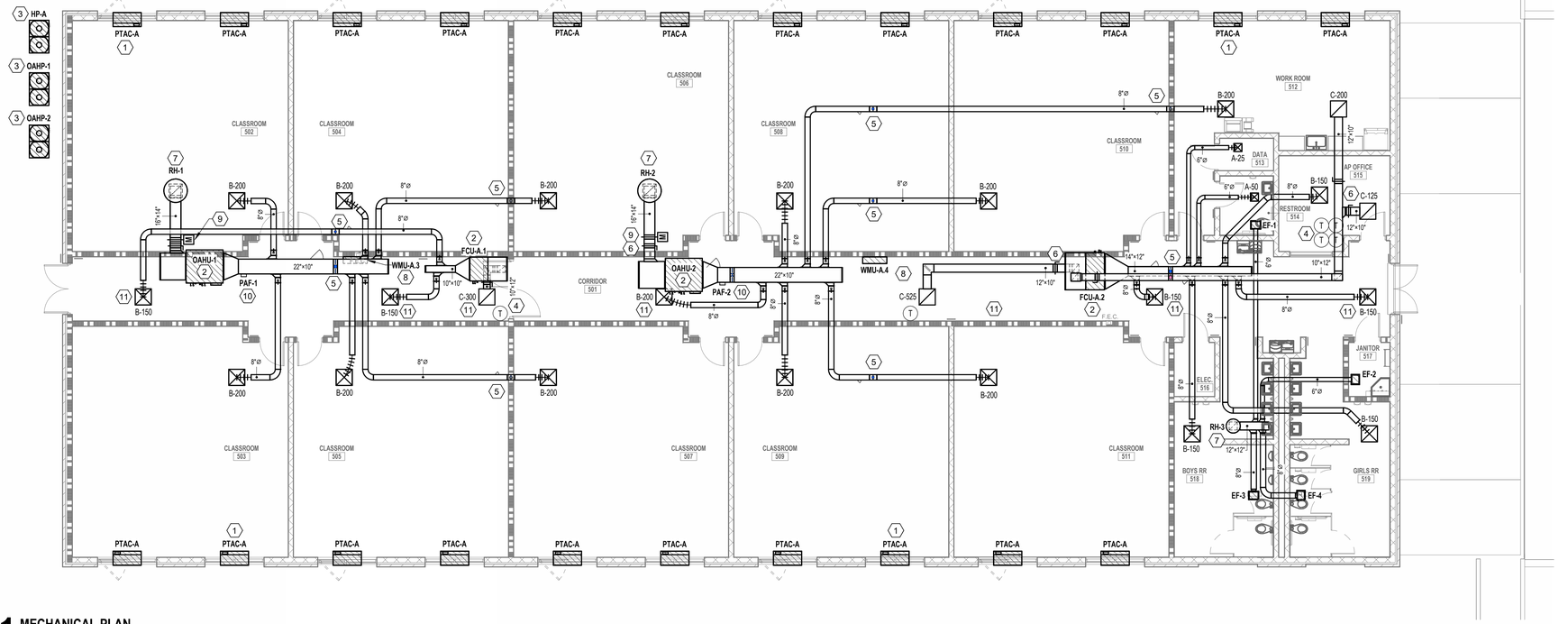
BID DOCUMENTS

M001

MECHANICAL COVER SHEET

H/S

0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

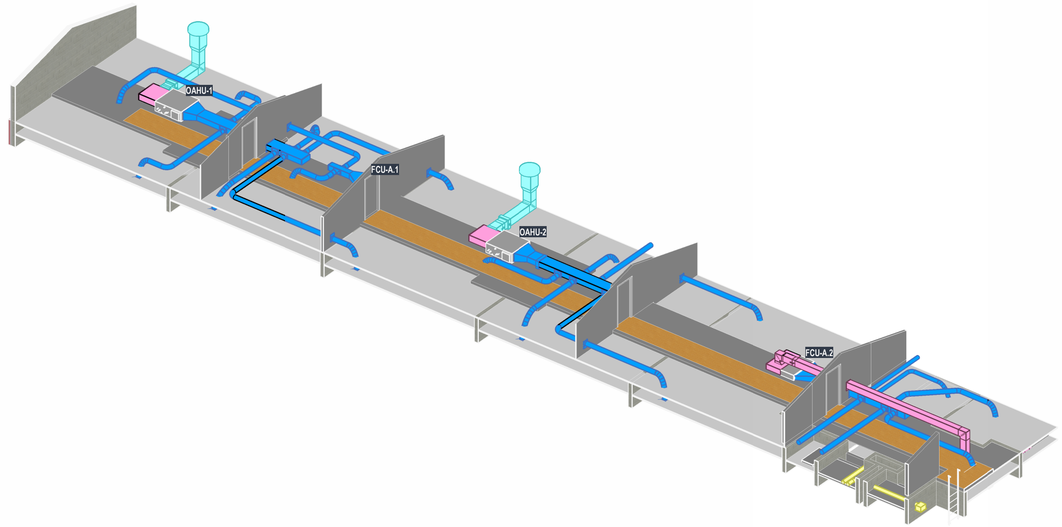


1 MECHANICAL PLAN

1/8" = 1'-0"

MECHANICAL KEY NOTES: (#)

1. PACKAGED TERMINAL HEAT PUMP UNIT WITH INVERTER & MAKE-UP AIR. PROVIDE WITH WALL SLEEVE, ARCHITECTURAL GRILLE (CUSTOM COLOR SELECTED BY ARCHITECT), CONDENSATE DRAIN KIT, POWER CORD, BI-POLAR IONIZATION & WIRED THERMOSTAT & OCCUPANCY SENSOR (COORDINATE WITH OWNER & ARCHITECT FOR EXACT THERMOSTAT LOCATION). COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT ELECTRICAL RECEPTACLE & PLUMBING CONTRACTOR FOR EXACT CONDENSATE RECEPTACLE LOCATION PRIOR TO INSTALLATION. TYPICAL.
2. HORIZONTAL FAN COIL UNIT SUSPENDED ABOVE CEILING. PROVIDE 4" TALL 16 GAUGE GALVANIZED STEEL DRAIN PAN WITH FLOAT SWITCH (TO DEENERGIZE ASSOCIATED CONDENSING UNIT WHEN TRIPPED) UNDER ENTIRE UNIT. ROUTE INSULATED 3/4" COPPER CONDENSATE DRAIN LINE FROM UNIT TO HUB DRAIN AND TURN DOWN. PROVIDE NIPPLE ON AUXILIARY DRAIN PAN. ROUTE CONDENSATE DRAIN LINE FROM AUXILIARY DRAIN PAIN WITH SHUT OFF VALVE (NORMALLY CLOSED) TO HUB DRAIN AND TURN DOWN WITH AIR GAP. PROVIDE FULL SIZE PLENUM ON REAR OF AIR HANDLING UNIT, LENGTH AS REQUIRED FOR BRANCH DUCT CONNECTIONS. PROVIDE MANUAL VOLUME DAMPER ON RETURN AIR DUCT CONNECTIONS. PROVIDE REMOTE TEMPERATURE SENSOR IN RETURN AIR DUCT WIRED TO THERMOSTAT. TYPICAL.
3. CONDENSING UNIT / HEAT PUMP ON MINIMUM 4" HIGH CONCRETE HOUSEKEEPING PAD (HOUSEKEEPING PAD HEIGHT TO BE SAME AS BUILDING & ABOVE BASE FLOOD ELEVATION), EXTENDED MINIMUM 6" AROUND ENTIRE UNIT, CONTINUOUS WITH BUILDING SLAB. ROUTE REFRIGERANT LINES AND CONTROL WIRE/CONDUIT DOWN LOW THROUGH EXTERIOR WALL WITHIN COMMON WALL SLEEVE, UP WITHIN EXTERIOR WALL, INTO CEILING SPACE TO THE ASSOCIATED INDOOR UNIT. PROVIDE REFRIGERANT PIPE SUPPORTS MINIMUM EVERY 4'-0" AND AT ANY CHANGE IN DIRECTION. SEAL ALL BUILDING PENETRATIONS WEATHER TIGHT. COORDINATE EXACT LOCATION WITH THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. INSTALL WITH MANUFACTURER'S REQUIRED SERVICE & AIRFLOW CLEARANCES. TYPICAL.
4. THERMOSTAT, PROVIDE REMOTE TEMPERATURE SENSOR IN RETURN AIR DUCT. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR, OWNER'S REPRESENTATIVE, AND THE WORK OF OTHER TRADES PRIOR TO INSTALLATION. PROVIDE NAMEPLATE IDENTIFYING ASSOCIATED UNIT. TYPICAL.
5. PROVIDE LOW LEAKAGE, UL 555 LISTED SMOKE DAMPER RATED FOR UP TO 2000 FPM & 4" WG AT SMOKE WALL PENETRATION. PROVIDE WITH ACCESS DOOR, 120V - 24V TRANSFORMER & NO FLOW DUCT SMOKE DETECTOR, INTERCONNECT WITH FIRE ALARM. COORDINATE WITH ELECTRICAL & FIRE ALARM CONTRACTOR FOR POWER & FIRE ALARM CONNECTION PRIOR TO CONSTRUCTION. TRANSITION ROUND DUCT TO 12x12 RECTANGULAR DUCT FOR INSTALLATION OF SMOKE DETECTOR & ACCESS PANEL FOR EASE OF MAINTENANCE & SERVICE.
6. MANUAL VOLUME DAMPER WITH STAND-OFF BRACKET; ADJUSTABLE AND LOCKABLE. TYPICAL.
7. DUCT UP TO GRAVITY VENTILATOR ON PRE-FABRICATED ROOF CURB; TRANSITION DUCT TO GRAVITY VENTILATOR AS REQUIRED; COORDINATE COLOR SELECTION AND CURB HEIGHT WITH ARCHITECT AND GENERAL CONTRACTOR.
8. PROVIDE WALL MOUNTED DUCTLESS MINISPLIT AIR HANDLER MOUNTED IN ATTIC. ROUTE INSULATED CONDENSATE DRAIN LINE TO HUB DRAIN AND TURN DOWN; PROVIDE STANDALONE THERMOSTAT ON WALL.
9. MOTORIZED DAMPER WITH 24V ACTUATOR. INTERCONNECT WITH ASSOCIATED INDOOR UNIT FAN. DAMPER SHALL OPEN WHEN UNIT IS ENERGIZED & CLOSE WHEN UNIT IS DE-ENERGIZED.
10. PROVIDE PARTICULATE AIR FILTRATION SYSTEM IN SUPPLY DUCT UPSTREAM OF BRANCH DUCT. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE POWER & CONTROL WIRING, POWER FROM SEPARATE 120-1-60 CIRCUIT WITH CONTROL WIRING FROM INDOOR UNIT.
11. PROVIDE CORRIDOR CEILING TYPE COMBINATION FIRE / SMOKE DAMPER AT DUCT PENETRATION THROUGH RATED CEILING ASSEMBLY (ALL CORRIDOR CEILINGS). FLEXIBLE DUCT CONNECTIONS SHALL NOT BE ALLOWED WHERE FIRE / SMOKE DAMPERS ARE INSTALLED. COORDINATE WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SUPPLIER PRIOR TO BIDDING TO ENSURE LOCAL SMOKE DETECTOR IS PROVIDED AT EACH DAMPER AND ALL POWER AND FIRE ALARM CONNECTIONS ARE PROVIDED. GREENHECK MODEL CFSD-211 OR APPROVED EQUAL. APPROVED MANUFACTURERS: GREENHECK, RUSKIN, POTTORF, UNITED ENERTECH CORPORATION. PROVIDE SLEEVES, TRANSITIONS, ACCESSORIES, ETC. AS REQUIRED PER THE MANUFACTURER'S RECOMMENDATION.



3 3D MECHANICAL EQUIPMENT

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — GRANT T. McWATTERS — LICENSED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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BID DOCUMENTS

M100

MECHANICAL PLAN

H/S

09/15/26 1:13:41 PM

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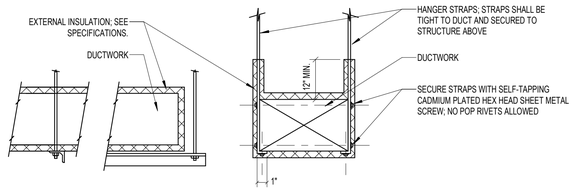
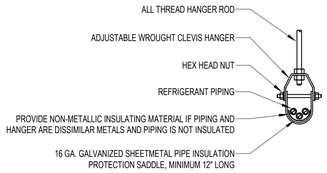
1" 1/2" 0" 1/2" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

HANGER SIZES FOR RECTANGULAR DUCT			
MAX. SIZE	HANGER	HORIZONTAL SUPPORT ANGLE	MAX. SPACING
30"	1"x18 GAGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1.5"x1.5"x1/8"	8'-0"
48"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
60"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"
84"	3/8" ROUND ROD	2"x2"x1/8"	8'-0"



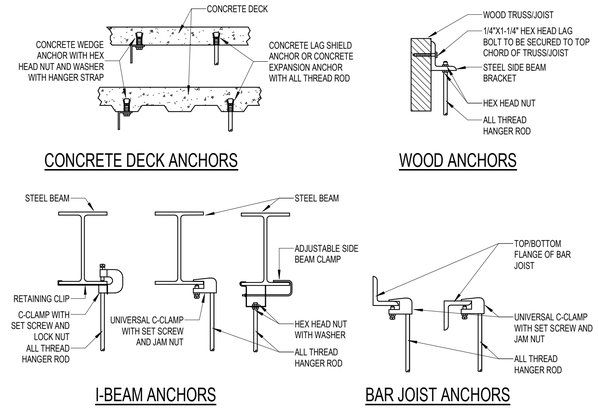
1 DETAIL - DUCT SUPPORT HANGERS
N.T.S.



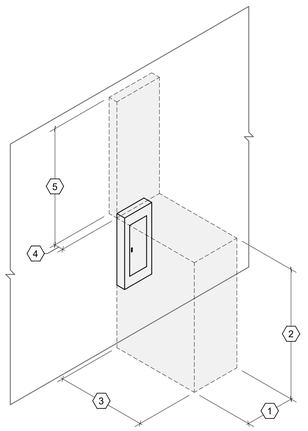
HANGER ROD SCHEDULE	
PIPE SIZE	ROD DIA.
1/4" - 2"	3/8"
2-1/2" - 3-1/2"	1/2"

GENERAL NOTES:
1. HANGERS IN CONTACT WITH COPPER SHALL BE COPPER PLATED OR TEFLON COATED.
2. MAXIMUM HORIZONTAL PIPE HANGER AND SUPPORT SPACING IS 5'-0".

2 DETAIL - REFRIGERANT PIPE SUPPORT HANGERS
N.T.S.



3 DETAIL - DUCT/PIPE HANGER ANCHORS
N.T.S.



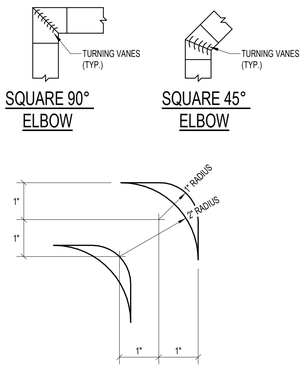
KEY NOTES:

1. WIDTH OF EQUIPMENT OR 30" MINIMUM.
2. HEIGHT OF EQUIPMENT OR 6'-6" MINIMUM.
3. 36" MINIMUM.
4. DEPTH OF EQUIPMENT.
5. 6'-0" OR TO BOTTOM OF STRUCTURAL CEILING ABOVE. SUSPENDED OR SIMILAR CEILINGS WHICH DO NOT ADD STRENGTH TO THE BUILDING STRUCTURE SHALL NOT BE CONSIDERED A STRUCTURAL CEILING.

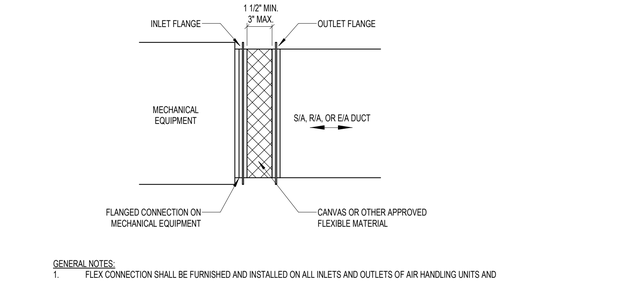
GENERAL NOTES:

1. APPLICABLE TO ALL ELECTRICAL EQUIPMENT, SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, DISCONNECT SWITCHES, ETC. AS WELL AS IT/DATA EQUIPMENT, TELEPHONE BACKBOARDS, SERVER RACKS, ETC.
2. COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO CONSRUCTION TO VERIFY EXACT EQUIPMENT LOCATIONS AND TO AVOID CONFLICTS.
3. WHERE ANY INSTALLATION INTRUDES UPON THE DEDICATED ELECTRICAL EQUIPMENT SPACE, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR RELOCATING DUCT, PIPE, ETC.
4. SPRINKLER PIPING IS PERMITTED WHERE THE PIPING COMPLIES WITH NEC 110.26(E).
5. FOR ROOMS DEDICATED SOLELY TO ELECTRICAL EQUIPMENT, NO DUCTWORK OR PIPING IS PERMITTED TO BE ROUTED ABOVE THE ROOM.
6. FOR ROOMS DEDICATED SOLELY TO IT/DATA EQUIPMENT, NO PIPING IS PERMITTED TO BE ROUTED ABOVE THE ROOM.

4 DETAIL - DEDICATED ELECTRICAL EQUIPMENT SPACE COORDINATION
N.T.S.

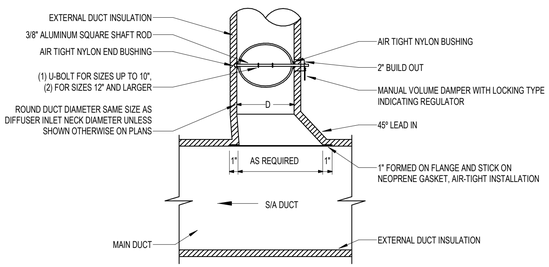


5 DETAIL - TURNING VANES
N.T.S.



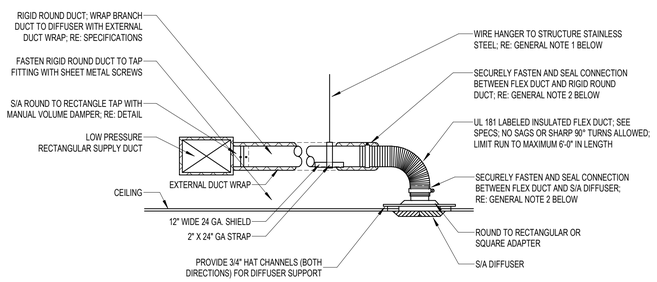
GENERAL NOTES:
1. FLEX CONNECTION SHALL BE FURNISHED AND INSTALLED ON ALL INLETS AND OUTLETS OF AIR HANDLING UNITS AND FANS.
2. FLEX CONNECTION SHALL BE SAME SIZE AS INLET/OUTLET OF EQUIPMENT.
3. FLEX CONNECTION SHALL BE PER NFPA-90A WITH 25 OR LESS FLAME SPREAD AND 50 OR LESS SMOKE DEVELOPMENT RATINGS.

6 DETAIL - FLEX CONNECTION
N.T.S.



GENERAL NOTES:
1. SUPPLY AIR TAP TO BE FURNISHED AND INSTALLED ON ALL ROUND SA DUCT TAKEOFFS.
2. SIDE TAKEOFF SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA INSTALLATION STANDARDS.
3. MINIMUM 26 GAUAGE GALVANIZED STEEL UNLESS SPECIFIED OTHERWISE ON DRAWINGS OR SPECIFICATIONS.
4. 4" W.C. CONSTRUCTION.
5. 1" FLANGE WITH CORNER CLIPS.
6. PREPUNCHED MOUNTING HOLES.
7. DOUBLE SIDED ADHESIVE GASKETS FOR MINIMAL LEAKAGE.
8. SIDE TAKEOFF SHALL BE FLEXMASTER MODEL STODBO3 OR APPROVED EQUAL.

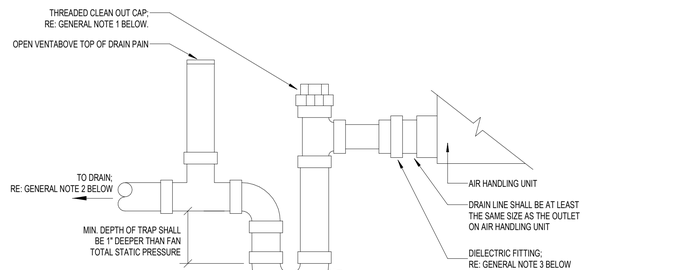
7 DETAIL - S/A ROUND TO RECTANGLE TAP W/ MANUAL VOLUME DAMPER
N.T.S.



GENERAL NOTES:
1. PROVIDE SUPPORT ON ALL BRANCH DUCT RUNOUTS AS PER SMACNA STANDARDS AND WITH A MINIMUM OF (2) SUPPORTS ON BRANCH DUCTS OVER 6'-0" IN LENGTH AND (1) SUPPORT ON BRANCH DUCTS UNDER 6'-0" IN LENGTH.
2. CONNECTION TO BE MADE WITH PRESSURE SENSITIVE TAPE, AS PER SECTION 603.9 OF IMC, AS WELL AS A STAINLESS STEEL SCREW DRIVER OPERATED BAND. ALL FLEX DUCT CONNECTIONS SHALL ADHERE TO SECTION 603.9 OF 2009 IMC AND MANUFACTURES INSTALLATION INSTRUCTIONS.
3. SPIN COLLARS NOT ACCEPTABLE.
4. ALL EXPOSED DUCT SHALL BE INSULATED DOUBLE WALL DUCT UNLESS OTHERWEISE NOTED ON DRAWINGS OR SPECIFICATIONS.
5. ALL EXPOSED DUCT AND GRILLES SHALL BE PAINTED. REFER TO ARCHITECT FOR COLOR SELECTION.

ROUND BRANCH DUCT SIZING:	
DUCT SIZE	CFM RANGE
6"	000-120
8"	121-235
10"	236-340
12"	341-550
14"	551-745

8 DETAIL - TYPICAL DIFFUSER CONNECTION
N.T.S.



GENERAL NOTES:
1. INSTALL A CLEANOUT AT EVERY CHANGE IN DIRECTION GREATER THAN 45° AND AT A MAXIMUM OF 25' INTERVALS.
2. PITCH CONDENSATE DRAIN DOWN TOWARD DRAIN AT A MINIMUM OF 1/8" PER FOOT.
3. PROVIDE DIELECTRIC FITTING WHERE TWO DISSIMILAR METALS ARE CONNECTED/JOINED.
4. PROVIDE INSULATION ON CONDENSATE DRAIN LINE.

9 DETAIL - CONDENSATE DRAIN TRAP
N.T.S.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — GRANT T. MATHES — LICENSE NO. 39111 — PROFESSIONAL ENGINEER — MECHANICAL ENGINEER
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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MECHANICAL DETAILS

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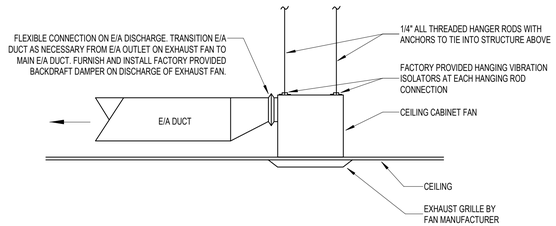
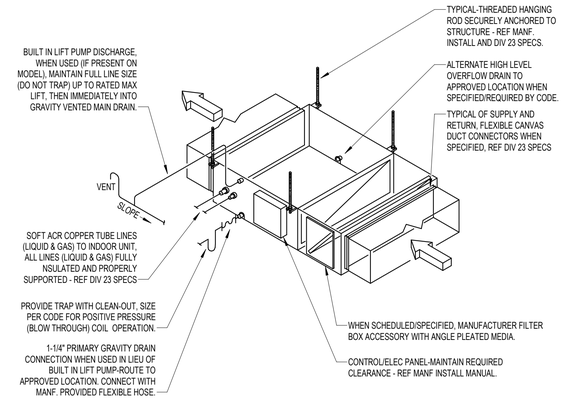
1" 1/2" 0" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



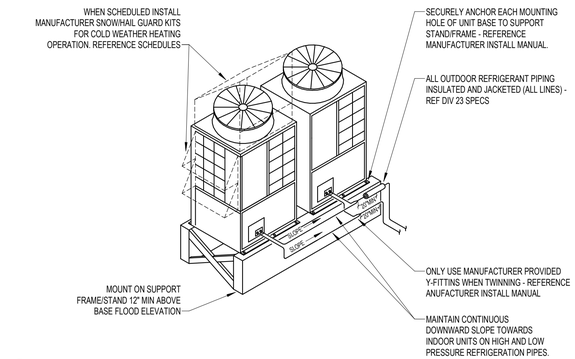
GENERAL NOTES:

1. CEILING CABINET FAN SHALL BE FACTORY PROVIDED WITH AN INSULATED FAN HOUSING.
2. PROVIDE SUPPORT ON EXHAUST DUCT AS PER SMACNA STANDARDS AND WITH A MINIMUM OF (2) SUPPORTS ON DUCTS OVER 6'-0" IN LENGTH AND (1) SUPPORT ON DUCTS UNDER 6'-0" IN LENGTH.
3. REFER TO MECHANICAL FLOOR PLANS FOR EXHAUST AIR DISCHARGE TERMINATION TYPE (THROUGH EXTERIOR WALL OR ROOF).

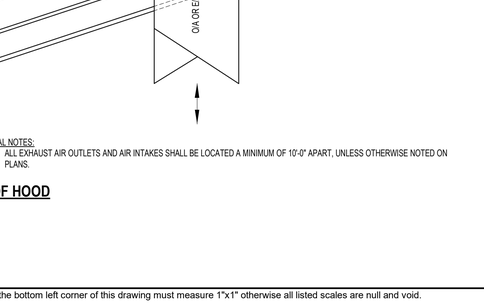
1 DETAIL - CEILING CABINET EXHAUST FAN
N.T.S.



2 DETAIL - VRF DUCTED FAN COIL UNIT
1/8" = 1'-0"



3 DETAIL - VRF TWINNED HEAT PUMP / HEAT RECOVERY SYSTEM
1/8" = 1'-0"



GENERAL NOTES:

1. COORDINATE MOUNTING HEIGHT OF AIR HANDLING UNIT WITH ROOM DIMENSIONS, CEILING/STRUCTURE HEIGHT, AND ANY OBSTRUCTIONS LOCATED ON WALL. AIR HANDLING UNIT TO BE FURNISHED AND INSTALLED WITH ALL NECESSARY HARDWARE FOR PROPER MOUNTING FROM FACTORY (I.E. BRACKETS, FASTENERS, WASHERS, ETC.) RE: MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS FOR MOUNTING OF UNIT.
2. ALL REFRIGERANT LINES SHALL BE SIZED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT LIINES SHALL BE ROUTED THROUGH WALL AND EXPOSED THROUGH ATTIC OR CEILING SPACE TO RESPECTIVE CONDENSING UNIT LOCATED AT EXTERIOR. SEAL EXTERIOR WALL/ROOF PENETRATION WATER TIGHT.
3. CONDENSATE DRAIN LINE SHALL BE INSTALLED WITH "P-TRAP" AND INSULATED. CONDENSATE DRAIN LINE SHALL BE ROUTED WITH DISCHARGE TO NEAREST HUB DRAIN AND MUST MAINTAIN MINIMUM 2" AIR GAP BETWEEN DRAIN TERMINATION AND HUB DRAIN RIM.
4. ALL REFRIGERANT AND CONDENSATE DRAIN LINES SHALL BE ROUTED IN SUCH A MANNER AS TO NOT BLOCK OR OBSTRUCT ANY ACCESS (FILTER, COOLING COIL, FAN, ECT.) TO AIR HANDLING UNIT.

4 DETAIL - WALL MOUNTED AIR HANDLING UNIT
N.T.S.

NOTES:

1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.

5 DETAIL - ACCESS DOOR
1/4" = 1'-0"

6 DETAIL - DUCT TRANSITION
1/4" = 1'-0"

GENERAL NOTES:

1. ALL EXHAUST AIR OUTLETS AND AIR INTAKES SHALL BE LOCATED A MINIMUM OF 10'-0" APART, UNLESS OTHERWISE NOTED ON PLANS.

7 DETAIL - ROOF HOOD
N.T.S.

1" ½" 0" ½" 1"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

STATE OF LOUISIANA
GRADY T. PARISH, JR.
PROFESSIONAL ENGINEER
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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MECHANICAL DETAILS

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SCHEDULE - VRF INDOOR UNITS

MARK	DESCRIPTION	SUPPLY AIR	SUPPLY AIR SETTINGS / RANGE			OUTSIDE AIR	CAPACITY		ELECTRICAL SERVICE					WEIGHT	MANUFACTURER / MODEL
			HIGH / MAX	MEDIUM	LOW / MIN		COOLING	HEATING	VOLTS	PH	FREQ	MCA			
FCU-A.1	FAN COIL UNIT, DUCTED, LOW STATIC	300 CFM	494 CFM	424 CFM	353 CFM	0 CFM	12300.0 Btu/h	13600.0 Btu/h	208 V	1	60 Hz	2.2 A		65 lb	LG ZRNU123MAAA OR APPROVED EQUAL
FCU-A.2	FAN COIL UNIT, DUCTED, MEDIUM STATIC	800 CFM	1130 CFM	989 CFM	848 CFM	0 CFM	36000.0 Btu/h	40000.0 Btu/h	208 V	1	60 Hz	2.9 A		90 lb	LG ZRNU363M2AA OR APPROVED EQUAL
OAHU-1	FAN COIL UNIT, DUCTED, 100% OUTSIDE AIR	1200 CFM				1200 CFM	114600.0 Btu/h	62600.0 Btu/h	208 V	1	60 Hz	7.5 A		365 lb	LG ARND153DCR4 OR APPROVED EQUAL
OAHU-2	FAN COIL UNIT, DUCTED, 100% OUTSIDE AIR	1200 CFM				1200 CFM	114600.0 Btu/h	62600.0 Btu/h	208 V	1	60 Hz	7.5 A		365 lb	LG ARND153DCR4 OR APPROVED EQUAL
WMU-A.3	WALL MOUNTED, DUCTLESS	300 CFM	300 CFM	275 CFM	240 CFM	0 CFM	12300.0 Btu/h	13600.0 Btu/h	208 V	1	60 Hz	0.31 A		20 lb	LG ZRNU123SJSA OR APPROVED EQUAL
WMU-A.4	WALL MOUNTED, DUCTLESS	300 CFM	300 CFM	275 CFM	240 CFM	0 CFM	12300.0 Btu/h	13600.0 Btu/h	208 V	1	60 Hz	0.31 A		20 lb	LG ZRNU123SJSA OR APPROVED EQUAL

NOTES:

1. SINGLE POINT ELECTRICAL CONNECTION.
2. COORDINATE LOCATION OF HUB DRAINS FOR CONDENSATE WITH THE PLUMBING CONTRACTOR PRIOR TO PLUMBING ROUGH-IN.
3. INSTALL WITH MANUFACTURER'S RECOMMENDED OPERATING AND SERVICE CLEARANCES (INCLUDING FILTER REMOVAL FOR DUCTED UNITS).
4. PROVIDE FULL PORT REFRIGERANT BALL VALVE ON BRANCH REFRIGERANT PIPING TO EACH INDOOR UNIT. PROVIDE ON LIQUID & GAS LINES AS REQUIRED TO ALLOW FOR SERVICE & REPLACEMENT OF AN INDOOR UNIT WITHOUT REQUIRING ENTIRE REFRIGERANT SYSTEM TO BE EVACUATED.
5. PROVIDE WITH CONDENSATE PUMP AS REQUIRED FOR CONDENSATE REMOVAL.
6. 1 YEAR WARRANTY
7. DOAS & DUCTED FAN COIL UNITS:
   - A. PROVIDE 4" TALL 16 GA. GALVANIZED STEEL DRAIN PAN WITH FLOAT SWITCH (CONDENSING UNIT TO DE-ENERGIZE WHEN FLOAT SWITCH IS TRIPPED) UNDER ENTIRE UNIT. PROVIDE NIPPLE ON AUXILIARY DRAIN PAN, ROUTE CONDENSATE DRAIN LINE FROM AUXILIARY DRAIN PAN TO HUB DRAIN, PROVIDE SHUT OFF VALVE (NORMALLY CLOSED) IN AUXILIARY DRAIN PAN CONDENSATE DRAIN LINE. FIELD ROUTE 3/4" COPPER CONDENSATE DRAIN LINE TO HUB DRAIN. CONDENSATE LINE SHALL BE RIGID INSULATED COPPER.
   - B. PROVIDE FULL SIZE PLENUM ON BOTTOMREAR OF AIR HANDLING UNIT. LENGTH AS REQUIRED FOR BRANCH DUCT CONNECTIONS.
   - C. PROVIDE MANUAL VOLUME DAMPER ON OUTSIDE AIR AND RETURN AIR DUCT.
   - D. ALL UNITS 2000 CFM AND ABOVE: FURNISH AND INSTALL DUCT MOUNTED SMOKE DETECTORS IN THE MAIN RETURN AND SUPPLY AIR DUCTS UPSTREAM OF ANY FILTERS, DUCT CONNECTIONS, ETC. COORDINATE WITH ELECTRICAL AND FIRE ALARM CONTRACTORS TO INTERCONNECT TO BUILDING FIRE ALARM SYSTEM.
8. WALL MOUNTED UNITS.
   - A. COORDINATE HUB DRAIN LOCATION WITH PLUMBING CONTRACTOR SUCH THAT HUB DRAIN AND CONDENSATE PIPING ARE COMPLETELY CONCEALED FROM OCCUPIED SPACES.
   - B. PROVIDE WITH CONDENSATE PUMP AS REQUIRED FOR CONDENSATE REMOVAL TO CONCEALED HUB DRAIN.
9. PROVIDE WIRED REMOTE CONTROLLER BY EQUIPMENT MANUFACTURER FOR EACH INDOOR UNIT (OR EACH SPACE WHERE MULTIPLE UNITS SERVE SINGLE SPACE):
   - A. TEMPERATURE & HUMIDITY SENSING & DISPLAY
   - B. ON/OFF OPERATION WITH AUTO/COOL/DRY/HEAT/FAN ONLY MODES
   - C. AIR QUALITY MONITORING
   - D. OCCUPIED/UNOCCUPIED COOLING & HEATING TEMPERATURE SETPOINT
   - E. AUTO/LOW/MED/HIGH FAN SPEED
   - F. CONTROLLER LOCK FUNCTION
   - G. STATIC PRESSURE INSTALLER SETTING
   - H. ERROR CODE DISPLAY DURING UNIT OR SYSTEM MALFUNCTION
   - I. AUTO RESTART ON POWER FAILURE
   - J. TIME OF DAY SCHEDULING, FIVE (5) EVENTS PER DAY WITH CONTROL OF OCCUPIED/UNOCCUPIED, ON/OFF, MODE, SETPOINTS, AND FAN SPEED
   - K. TWO SETPOINT AUTOCHANGEOVER
   - L. MINIMUM DIFFERENCE BETWEEN SETPOINTS ADJUSTABLE DEADBAND
   - M. LEAVE FUNCTION FOR TEMPORARY UNOCCUPIED STATUS
   - N. SUB-FUNCTION SETTING, COMFORT LEVEL DISPLAY, FILTER SIGN CHECK AND INITIALIZATION, TIME LIMIT CONTROL IN 30 MINUTE INCREMENTS
   - O. PROVIDE WITH GROUP CONTROL CABLE KIT WHERE MULTIPLE UNITS SERVE SAME SPACE FOR SINGLE CONTROL POINT

SCHEDULE - VRF OUTDOOR UNITS

MARK	DESCRIPTION	CAPACITY		ELECTRICAL SERVICE					WEIGHT	MANUFACTURER / MODEL
		COOLING	HEATING	VOLTS	PH	FREQ	MCA	MOCP		
HP-A	VRF HEAT RECOVERY HEAT PUMP	72000.0 Btu/h	81000.0 Btu/h	208 V	3	60 Hz	31.81 A	35 A	475 lb	LG ZRUM072BTE6 OR APPROVED EQUAL
OAHP-1	VRF HEAT RECOVERY HEAT PUMP	119700.0 Btu/h	135000.0 Btu/h	208 V	3	60 Hz	31 A	40 A	510 lb	LG ARUM121BTE5 OR APPROVED EQUAL
OAHP-2	VRF HEAT RECOVERY HEAT PUMP	119700.0 Btu/h	135000.0 Btu/h	208 V	3	60 Hz	31 A	40 A	510 lb	LG ARUM121BTE5 OR APPROVED EQUAL

NOTES:

1. PROVIDE SUCTION ACCUMULATORS.
2. LIQUID AND SUCTION LINES SHALL BE SIZED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS WITH CONSIDERATIONS FOR ALL ACCESSORIES, LENGTH OF RUNS, TURNS AND RISES TO ENSURE PROPER OPERATION AND CAPACITY.
3. PROVIDE MINIMUM 6" HIGH CONCRETE HOUSEKEEPING PAD (ELEVATION AS REQUIRED TO BE ABOVE BASE FLOOD ELEVATION) WITH CHAMFERED EDGES (REINFORCED WITH RODS) 6" BEYOND THE EDGE OF THE UNIT FOOTPRINT ON ALL SIDES.
4. INSTALL WITH MANUFACTURER'S RECOMMENDED AIRFLOW AND SERVICE CLEARANCES.
5. PROVIDE THREE 1" CONDUITS FROM HEAT RECOVERY PUMPS TO PIPING CHASE INTO BUILDING FOR CONTROL WIRING.
6. PROVIDE SINGLE POINT ELECTRICAL CONNECTION (INCLUDING FOR "TWINNED" UNITS). COORDINATE WITH ELECTRICAL PRIOR TO CONSTRUCTION.
7. REFRIGERANT LINES SHALL BE SIZED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS WITH CONSIDERATIONS FOR ALL ACCESSORIES, LENGTH OF RUNS, TURNS AND RISES TO ENSURE PROPER OPERATION AND CAPACITY.
8. MECHANICAL CONTRACTOR SHALL PROVIDE EXACT INSTALLATION LOCATION OF HEAT PUMPS & INDOOR VRV UNITS & ROUTING OF REFRIGERANT PIPING (INCLUDING PIPING LENGTHS, RISES, OFFSETS, ETC.) TO EQUIPMENT MANUFACTURER PRIOR TO SUBMITTING EQUIPMENT TO MECHANICAL ENGINEER FOR REVIEW & APPROVAL. SUBMIT WIRING & PIPING DIAGRAMS/SCHEMATICS BY EQUIPMENT MANUFACTURER AS PART OF THE VRF EQUIPMENT SUBMITTAL TO MECHANICAL ENGINEER FOR REVIEW & APPROVAL PRIOR TO ORDERING EQUIPMENT.
9. 1 YEAR WARRANTY.
10. PROVIDE WITH BELOW MANUFACTURER OPTIONAL ACCESSORIES:
    - A. HAIL GUARD KIT.
    - B. REFRIGERANT BRANCH PIPE KITS & HEADER PIPE KITS AS REQUIRED FOR REFRIGERANT PIPE ROUTING & INSTALLATION.
11. PROVIDE TOUCH SCREEN CENTRALIZED CONTROLLER BY EQUIPMENT MANUFACTURER. UP TO 128 INDOOR UNITS CONTROLLED, 10" TOUCH SCREEN WITH HTML GUI, MOBILE WEB ACCESS, BACNET. COORDINATE WITH OWNER'S REPRESENTATIVE AND VRF EQUIPMENT MANUFACTURER TO DETERMINATE PREFERRED INSTALLATION LOCATION PRIOR TO ROUGH-IN. COORDINATE WITH ELECTRICAL CONTRACTOR FOR 120/1/60 ELECTRICAL SERVICE TO CONTROLLER.
12. FEATURES:
    - A. ADVANCED SMART LOAD CONTROL
    - B. HIGH PRESSURE OIL RETURN
    - C. SMART OIL CONTROL
    - D. NIGHT QUIET OPERATION
    - E. FAULT DETECTION AND DIAGNOSTICS
    - F. ACTIVE REFRIGERANT CONTROL
    - G. VARIABLE HEAT PATH EXCHANGER
    - H. SUBCOOLING AND VAPOR INJECTION CONTROL
    - I. LIQUID COOLED INVERTER CONTROLLER
    - J. ADVANCED SMART LOAD CONTROL

SCHEDULE - FANS

MARK	FAN					FAN MOTOR					WEIGHT	FAN CONTROLS	MANUFACTURER / MODEL
	TYPE	AIRFLOW	MIN EXT ESP	MAX SONES	RPM	DRIVE	POWER	VOLTS	PH	FREQ			
EF-1	CABINET EXHAUST	75 CFM	0.25 in-wg	0.4	870	DIRECT	17W	120 V	1	60 Hz	15 lb	OCCUPANCY SENSOR ON FACE OF EXHAUST FAN	GREENHECK SP-A200 OR APPROVED EQUAL
EF-2	CABINET EXHAUST	75 CFM	0.25 in-wg	0.4	870	DIRECT	17W	120 V	1	60 Hz	15 lb	OCCUPANCY SENSOR ON FACE OF EXHAUST FAN	GREENHECK SP-A200 OR APPROVED EQUAL
EF-3	CABINET EXHAUST	300 CFM	0.25 in-wg	0.4	870	DIRECT	0.07 HP	120 V	1	60 Hz	15 lb	OCCUPANCY SENSOR ON FACE OF EXHAUST FAN	GREENHECK SP-A390VG OR APPROVED EQUAL
EF-4	CABINET EXHAUST	300 CFM	0.25 in-wg	0.4	870	DIRECT	0.07 HP	120 V	1	60 Hz	15 lb	OCCUPANCY SENSOR ON FACE OF EXHAUST FAN	GREENHECK SP-A390VG OR APPROVED EQUAL

NOTES:

1. PROVIDE INSULATED FAN HOUSING.
2. PROVIDE FACTORY MOUNTED AND WIRED SPEED CONTROLLERS FOR ALL DIRECT DRIVE FANS FOR AIR BALANCING.
3. PROVIDE BACKDRAFT DAMPERS FOR ALL RESTROOM EXHAUST FANS.
4. PROVIDE INTEGRAL DISCONNECTING MEANS.
5. PROVIDE MOTORS WITH BUILT-IN THERMAL OVERLOAD PROTECTION FOR ALL FANS.
6. ALL EXHAUST AND SUPPLY FANS SHALL BE AMCA RATED FOR BOTH AIR AND SOUND.
7. PROVIDE FACTORY FINISHES ON ALL SURFACE EXPOSED TO VIEW.

SCHEDULE - AIR DEVICES

MARK	SERVICE	GRILLE	DIFFUSER	SLOT	CEILING	WALL	DAMPER	DUCT	DESCRIPTION	FACE SIZE	NECK		MATERIAL	FINISH	MANUFACTURER / MODEL
											TYPE	SIZE			
A	SUPPLY		X		X				SQUARE PLAQUE DIFFUSER	12 X 12	ROUND	6	ALUMINUM	BAKED ENAMEL	PRICE MODEL ASPD OR APPROVED EQUAL
B	SUPPLY		X		X				SQUARE PLAQUE DIFFUSER	24 X 24	ROUND	8	ALUMINUM	BAKED ENAMEL	PRICE MODEL ASPD OR APPROVED EQUAL
C	RETURN	X			X				LOUVER FACE WITH 3/4" BLADE SPACING	24 X 24	RECT	24 X 24	ALUMINUM	BAKED ENAMEL	PRICE MODEL 630 OR APPROVED EQUAL

NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE. PROVIDE PLASTER FRAME FOR GYPSUM BOARD CEILING INSTALLATION.
2. ALL GRILLES AND DIFFUSERS SHALL COME WITH WHITE FINISH UNLESS SPECIFIED OTHERWISE BY THE ARCHITECT. FINISH SHALL BE SUITABLE FOR FIELD PAINTING WITHOUT ANY ADDITIONAL PREPARATION.
3. MANUFACTURERS AND MODEL NUMBERS LISTED REPRESENT BASIS OF DESIGN AND QUALITY OF EQUIPMENT TO BE INSTALLED.
4. FOR BIDDING, FIGURE SQUARE TO ROUND TRANSITIONS FOR ALL SQUARE NECK GRILLES AND DIFFUSERS FOR CONNECTION TO ROUND BRANCH DUCTS.

SCHEDULE - PACKAGE TERMINAL HEAT PUMP SYSTEMS

MARK	SUPPLY AIRFLOW		OUTSIDE AIRFLOW	COOLING CAPACITY		HEATING PUMP CAPACITY		HEATER SIZE (kW)	MOISTURE REMOVAL (pints/hr)	ELECTRICAL DATA					EER	COP	WEIGHT	MANUFACTURER / MODEL
	HIGH	LOW		MAX	MIN	MAX	MIN			VOLTS	PH	FREQ	MCA	MOCP				
PTAC-A	750 CFM	560 CFM	52 CFM	15500 Btu/h	6100 Btu/h	14000 Btu/h	6000 Btu/h	3.5	1.9 Pints/h	208 V	1	60 Hz	19.3	20	11.5	3.65	150 lbs.	FRIEDRICH PVH12K3FC OR APPROVED EQUAL

NOTES:

1. PACKAGED TERMINAL HEAT PUMP UNIT WITH MAKE UP AIR CAPABILITY & R-32 REFRIGERANT.
2. UNIT WITH SOFT START OPERATION, WIRED THERMOSTAT & OCCUPANCY SENSOR, INTERNAL DIAGNOSTIC PROGRAM, SERVICE ERROR CODE STORAGE, ROOM FREEZE PROTECTION, CONDENSATE REMOVAL SYSTEM, WASHABLE AIR FILTERS & FILTERED CONDITION AIR, 2 SPEED INTAKE FAN & RS-485 COMMUNICATION PLUG.
3. COORDINATE EXACT INSTALLATION HEIGHT, GRILLE COLOR & HUB DRAIN LOCATION WITH ARCHITECT, GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR & PLUMBING CONTRACTOR.
4. UNIT PROVIDED WITH PTAC POWER CORD.
5. PROVIDE WITH WALL SLEEVE, ARCHITECTURAL GRILLE (CUSTOM COLOR BY ARCHITECT), CONDENSATE DRAIN KIT, WIRED THERMOSTAT & OCCUPANCY SENSOR FOR FULL INVERTER CONTROL & VARIABLE SPEED OF UNIT.
6. PROVIDE WITH INTEGRAL BI-POLAR IONIZATION KIT.
7. WARRANTY = 2 YEARS.

SCHEDULE - GRAVITY VENTILATORS

MARK	SERVICE	AIRFLOW	THROAT SIZE	ROOF OPENING	THROAT VELOCITY	STATIC PRESSURE DROP	MANUFACTURER / MODEL
RH-1	OAHU-1 OA	1200 CFM	20"x20"	24"x24"	533 FPM	0.05 in-wg	GREENHECK GRSI-20 OR APPROVED EQUAL
RH-2	OAHU-1 OA	1200 CFM	20"x20"	24"x24"	533 FPM	0.05 in-wg	GREENHECK GRSI-20 OR APPROVED EQUAL
RH-3	EXHAUST	750 CFM	12"x12"	16"x16"	517 FPM	0.04 in-wg	GREENHECK GRSR-16 OR APPROVED EQUAL

NOTES:

1. ALUMINUM CONSTRUCTION - HOUSING, 1/2" ALUMINUM MESH BIRDSCREEN.
2. HOOD SHALL HAVE HINGED OPENING OR SHALL BE ABLE TO BE COMPLETELY REMOVED FROM BASE.
3. PROVIDE WITH PREFABRICATED ROOF CURB. COORDINATE WITH GENERAL CONTRACTOR ON EXACT HEIGHT REQUIRED FOR COUNTER FLASHING.
4. 1" THICK HOOD INSULATION.
5. CONTRACTOR SHALL COORDINATE & VERIFY EXACT ROOF OPENING REQUIRED WITH MANUFACTUER OF ACTUAL EQUIPMENT SUPPLIED TO PROJECT.
6. COORDINATE WITH ARCHITECT ON FINISH/COLOR.

SCHEDULE - PARTICULATE AIR FILTRATION SYSTEM

MARK	AHU	AIRFLOW		MAX CFM COVERAGE	MOUNTING LOCATION	ELECTRICAL		MANUFACTURER / MODEL
		SUPPLY AIR	OUTSIDE AIR			VOLTS	WATTS	
PAF-1	OAHU-1	1200 CFM	1200 CFM	13750 CFM	SUPPLY DUCT	120 V	59.5 W	CASPR MEDIK 14 OR APPROVED EQUAL
PAF-2	OAHU-2	1200 CFM	1200 CFM	13750 CFM	SUPPLY DUCT	120 V	59.5 W	CASPR MEDIK 14 OR APPROVED EQUAL

NOTES:

1. BASIS OF DESIGN: CASPR TECHNOLOGIES: SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER, SUBJECT TO SPECIFICATION OF COMPLIANCE.
2. IF CONTRACTOR SUBSTITUTES BASIS OF DESIGN WITH ANOTHER MANUFACTURER, CONTRACTOR SHALL COORDINATE ALL ELECTRICAL AND MECHANICAL CHANGES.
3. MOUNT WHERE INDICATED ON PLANS AND SCHEDULES.
4. MINIMUM 18 MONTH SERVICE INTERVAL.
5. FILTRATION UNIT SHALL BE ASHRAE 241, UL 867 & UL 2998 CERTIFIED & COMPLIANT.
6. PROVIDE PRODUCT TEST REPORTS BY QUALIFIED THIRD PARTY TESTING AGENCY.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

STATE OF LOUISIANA — GRANT T. MCWHORTER — LICENSED PROFESSIONAL ENGINEER — MECHANICAL ENGINEER
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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BID DOCUMENTS

M300

MECHANICAL SCHEDULES

H/S

PARISH ENGINEERING
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Baton Rouge, LA 70820
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parisheng.com | #26-014

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Autodesk Docs://26-014_Champ Cooper Elementary School/26-014_CRM_R25.rvt

1" ½" 0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

PLUMBING GENERAL NOTES

1. ALL WORK BY CONTRACTORS SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, INCLUDING THE CURRENT INTERNATIONAL ENERGY CONSERVATION CODE.
2. MATERIALS FURNISHED UNDER THE CONTRACT SHALL BE NEW & SHALL BEAR THE UL LABEL WHERE APPLICABLE, UNLESS NOTED OTHERWISE. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTIVE MATERIALS & WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE YEAR AFTER COMPLETION & ACCEPTANCE BY THE OWNER, LONGER IF STATED OTHERWISE ELSEWHERE IN THE SPECIFICATION.
3. CONTRACTOR SHALL INSTALL SYSTEMS WITHOUT INTERFERENCE & PROVIDE MANUFACTURERS RECOMMENDED AIR & SERVICE CLEARANCES. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AS REQUIRED TO MAINTAIN WARRANTIES & GUARANTEES. CONTRACTOR SHALL COORDINATE WITH ALL TRADES & DISCIPLINES.
4. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, INVERT/ DEPTH/ ELEVATIONS OF EXISTING SANITARY SEWER, DOMESTIC WATER, FIRE WATER, NATURAL GAS, STORM DRAINAGE, ETC. PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO NOTIFY THE MECHANICAL ENGINEER & ARCHITECT FOR FURTHER DIRECTION IF EXISTING PIPING IS NOT AT AN ELEVATION/ INVERT/ DEPTH THAT ALLOWS FOR PROPER INSTALLATION & SLOPE OF NEW UTILITIES.
5. PRELIMINARY SEWER INVERT PIPE PLAN: CONTRACTOR SHALL PROVIDE DRAWING (NO LESS THAN 1/8"=1'-0" SCALE) SHOWING PROPOSED INVERTS OF ALL SUBSURFACE PIPING (SANITARY SEWER, STORM DRAINAGE, DOMESTIC WATER, FIRE WATER, CHILLED/HEATING WATER, ETC.) & EXACT LOCATION & SEWER INVERT OF SANITARY SEWER CONNECTION TO MECHANICAL ENGINEER & ARCHITECT FOR REVIEW & APPROVAL PRIOR TO INSTALLATION. NO ADDITIONAL COST WILL BE PROVIDED FOR REINSTALLING SUBSURFACE PIPING IF PRELIMINARY INVERT PIPING PLAN IS NOT PROVIDED.
6. COORDINATE ALL UNDERGROUND PIPING & WORK WITH EXISTING SYSTEMS, INCLUDING EXISTING UTILITIES, SEWER, GAS, DOMESTIC WATER, CHILLED/HEATING WATER, ELECTRIC DUCT BANKS AND POWER. NOT ALL EXISTING SYSTEMS SHOWN. COORDINATE ALL EXISTING SYSTEMS PRIOR TO BEGINNING WORK. MARKED UTILITIES AND EXISTING SYSTEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AND REPAIRED BACK TO ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONSTRUCTION CONTRACT.
7. PLUMBING CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR ON LOCATION OF ALL FLOOR DRAINS & HUB DRAINS AS NOT TO INTERFERE WITH EQUIPMENT & EQUIPMENT PADS. COORDINATE NEW FLOOR DRAIN & HUB LOCATION WHERE EQUIPMENT DOES NOT ALLOW FOR THE INSTALLATION SHOWN FOR DRAIN. COORDINATE HEIGHT OF HUB DRAINS FOR FAN COIL UNITS & CEILING CASSETTES.
8. SEAL ALL OPENINGS AROUND PIPE PENETRATIONS THROUGH WALLS & PARTITIONS WITH APPROVED FIRESTOPPING MATERIAL MEETING ASTM E814 & NFPA-101. PROVIDE ESCUTCHEONS ON PIPING PENETRATING WALLS EXPOSED TO VIEW/WITHIN FINISHED AREAS.
9. CONTRACTOR SHALL VISIT THE SITE FOR INSPECTION REGARDING ANY WORK REQUIRED TO COMPLETE THE SCOPE OF WORK FOR THE PROJECT PRIOR TO BID. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR BIDDERS AWARDED THE WORK FOR FAILURE TO EXAMINE SITE PRIOR TO BID.
10. CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND VISIT THE SITE AND COORDINATE PIPE ROUTING & EQUIPMENT INSTALLATION. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER WHERE DISCREPANCIES OCCUR BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS.
11. CONTRACTOR SHALL REVIEW CEILING SPACE AND MECHANICAL ROOM SPACE AVAILABLE FOR PIPING AND EQUIPMENT AND MAKE REQUIRED ALLOWANCES FOR THE SIZE OF EQUIPMENT AND ROUTING OF PIPING. CONTRACTOR SHALL VERIFY EQUIPMENT TO BE SUPPLIED TO PROJECT CAN BE INSTALLED IN SPACE PROVIDED AND ALL SERVICE CLEARANCES MAINTAINED PRIOR TO ORDERING EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MODIFICATIONS REQUIRED FOR EQUIPMENT THAT IS SUPPLIED THAT IS DIFFERENT THAN EQUIPMENT THAT IS BASIS OF DESIGN.
12. PIPING SHOWN DIAGRAMMATICALLY, ROUTE PIPING IN MOST DIRECT MANNER AVOIDING OBSTRUCTIONS NOT INDICATED. PROVIDE FITTINGS, OFFSETS, ETC. FOR ROUTING OF PIPING TO AVOID OBSTRUCTIONS & AS REQUIRED FOR A COMPLETE PLUMBING SYSTEM.
13. COORDINATE EXACT LOCATION OF ALL SLAB, FLOOR, WALL AND ROOF PENETRATIONS WITH EXISTING STRUCTURAL BEAMS, JOIST AND COMPONENTS. DO NOT CUT OR MODIFY EXISTING STRUCTURAL COMPONENTS WITHOUT APPROVAL FROM STRUCTURAL ENGINEER.
14. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT AND RELATED SYSTEM COMPONENTS FOUND POSITIVE FOR MOLD, MILDEW, ASBESTOS, HARMFUL BACTERIA OR ANY OTHER CONTAMINATION BE PLACED INTO SERVICE.
15. MODEL NUMBERS SCHEDULED/SPECIFIED REPRESENT THE TYPE AND QUALITY OF EQUIPMENT REQUIRED TO MEET THE DESIGN REQUIREMENTS. CONTRACTOR SHALL REVIEW SUBMITTALS AND VERIFY EQUIPMENT SIZES, QUALITY AND PERFORMANCE REQUIREMENTS MEET SPECIFICATIONS PRIOR TO SUBMITTING FOR APPROVAL. EQUIPMENT THAT DIFFERS FROM BASIS OF DESIGN IS SUBJECT TO REJECTION. CONTRACTOR TO COORDINATE ALL DIFFERENCE IN EQUIPMENT WITH ELECTRICAL CONTRACTOR.
16. PROVIDE PERMANENT LABELS FOR ALL EQUIPMENT (WATER HEATERS, MIXING VALVES, PUMPS, EXPANSION TANKS, ETC.). LABELS SHALL BE MINIMUM 3/8" ENGRAVED BLACK LETTERS ON WHITE BACKGROUND, CONSTRUCTED OF MINIMUM 1" WIDE, LENGTH AS REQUIRED LAMINATED PLASTIC. SECURELY FASTENED TO EQUIPMENT WITH STAINLESS STEEL OR NONCORRODING HARDWARE. STICK ON LABELS NOT ACCEPTABLE.
17. SANITIZE & DISINFECT THE POTABLE WATER SYSTEM IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE (CURRENT ENFORCEABLE EDITION) & LOCAL BUILDING CODES. TEST SYSTEM FOR LEAKS.
18. PROVIDE VALVES WHERE INDICATED ON DRAWINGS & AS REQUIRED FOR PROPER OPERATION OF PIPING SYSTEM. PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES. PROVIDE SHUT OFF VALVES AT ALL HOSE BIBBS & ON COLD & HOT WATER BRANCHES TO ISOLATE THE BRANCH LINES.
19. PLUMBING FIXTURES SHALL BE INSTALLED PLUMB & LEVEL TO SUPPORTING SURFACES. PROVIDE WALL MOUNTED BACKING PLATES OR CARRIER ASSEMBLIES FOR WALL HUNG FIXTURES. INSTALL FIXTURES WITH TRAPS IN A MANNER WHERE TRAPS ARE EASILY REMOVED FOR SERVICE & CLEANING.
20. PROVIDE ALL PLUMBING FIXTURES WITH ACCESSIBLE STOPS. PROVIDE ALL EQUIPMENT WITH ACCESSIBLE SHUT OFF VALVES.
21. PROVIDE WALL MOUNTED FIXTURES (SINKS, WATER COOLERS, ETC.) WITH 2" WALL CLEAN OUT WITH CHROME PLATED COVER FOR CLEANING OUT SANITARY SEWER BRANCH WITHOUT REMOVAL OF FIXTURE. ALL WALL CLEANOUTS MAY NOT BE SHOWN FOR CLARITY OF DRAWINGS.
22. MAINTAIN 6" BETWEEN FLUSH VALVE, VACUUM BREAKER, CRITICAL LEVEL TAILPIECE & OVERFLOW RIM OF WATER CLOSETS.
23. PROVIDE SLEEVES FOR ALL PIPING THRU GRADE BEAMS AND/OR 1" CLOSED CELLULAR FOAM AS TO ISOLATE THE PIPING FROM THE CONCRETE IN EVENT BUILDING SETTLES.
24. PROVIDE PIPING SUPPORTS FROM BUILDING STRUCTURE AND/OR FRAMING IN APPROVED MANNER. PROVIDE ADDITIONAL FRAMING WHERE OVERHEAD CONSTRUCTION DOES NOT ALL FOR FASTENING OF SUPPORTS FOR PIPING & EQUIPMENT.
25. INSTALL ALL SUBSURFACE PRESSURIZED PIPING SYSTEMS (DOMESTIC WATER, FIRE WATER, NATURAL GAS, ETC.) MINIMUM 36" BELOW GRADE. NOTIFY MECHANICAL ENGINEER & ARCHITECT IF EXISTING TIE-IN LOCATIONS DO NOT ALLOW. PROVIDE CODE COMPLIANT DEPTH OF COVER FOR ALL SUBSURFACE PIPING OUTSIDE OF BUILDING.
26. SMOKE TEST ALL SANITARY SEWER & VENT PIPING PRIOR TO CLOSURE OF WALLS.
27. PLUG OR CAP ALL PIPING. PIPING SHALL NOT BE LEFT OPEN ENDED (INCLUDING WHEN STORED ON SITE & DURING CONSTRUCTION).
28. GRADE SENSITIVE PIPING (SANITARY SEWER, VENT, STORM DRAINAGE, ETC.) SHALL TAKE PRECEDENCE OVER ALL OTHER INSTALLATIONS. COORDINATE WITH ALL DISCIPLINES PRIOR TO & DURING CONSTRUCTION.
29. COORDINATE PIPE PENETRATIONS WITH ELECTRICAL & MECHANICAL CONTRACTOR.
30. PROVIDE FLASHING & COUNTER-FLASHING AS REQUIRED TO MAINTAIN THE WATERPROOFING INTEGRITY OF THE BUILDING AS REQUIRED FOR THE INSTALLATION OF PIPES, CONDUIT, EQUIPMENT, ETC.
31. PROVIDE WRITTEN GUARANTEE TO REPLACE, PROMPTLY REPAIR & ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP & EQUIPMENT DEFECTS DEVELOPED WITHIN 1 YEAR FROM DATE OF ACTUAL USE OF EQUIPMENT OR OCCUPANCY OF SPACES BY OWNER (WHICHEVER DATE IS EARLIER). ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR REPAIR & REPLACEMENT FOR OTHER TRADES WHERE CAUSED BY DEFECTS.
32. CONTRACTOR TO INCLUDE IN BID PROVIDING A COMPLETE SET OF COORDINATION DRAWINGS FOR ALL PIPING & PARTICIPATE WITH OTHER SUBS FOR PROVIDING COORDINATION DRAWINGS & INCLUDE ALL ABOVE CEILING DISCIPLINES ON FLOOR PLANS AT SCALE SIMILAR TO BID DOCUMENTS.
33. PROVIDE ALL LABOR, MATERIAL & APPLIANCES AS REQUIRED FOR THE INSTALLATION & TESTING OF THE SYSTEM & INCLUDE ALL COST FOR LICENSES, PERMITS, CERTIFICATE FILING & INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
34. PROVIDE CLEANOUTS WHERE SHOWN ON DRAWINGS & WHERE SPECIFIED BELOW:
    - 34.1. PROVIDE 2-WAY EXTERIOR CLEANOUTS AT ALL SEWER LINES EXITING FROM UNDER THE BUILDING SLAB.
    - 34.2. PROVIDE CLEANOUT AT BASE OF RISER WITH ACCESS DOORS FOR SANITARY SEWER & STORM DRAINAGE RISER FROM SECOND FLOOR LEVEL AND ABOVE.
    - 34.3. PROVIDE CLEANOUTS AT CHANGES IN DIRECTIONS GREATER THAN 45°.
    - 34.4. PROVIDE CLEANOUTS EVERY 75 FEET FOR 4" & 6" PIPING.
    - 34.5. PROVIDE CLEANOUTS EVERY 50 FEET FOR 3" & UNDER PIPING.
    - 34.6. PROVIDE 6" CLEANOUTS ON PIPING 6" & LARGER.
    - 34.7. PROVIDE CLEANOUT MATCHING PIPE SIZES FOR PIPING 4" & UNDER.
35. CONTRACTOR SHALL CLEAN ALL CONCRETE, DIRT & DEBRIS ON ALL EXTERIOR VALVE COVERS, EXTERIOR CLEANOUTS & MANHOLE COVERS AT PROJECT COMPLETION & APPLY TWO-PART BLACK EPOXY COATING THAT SHALL DRY TO HARD FINISH. APPLY COATING PRIOR TO INSTALLATION OF EXTERNAL SEALS.
36. PROVIDE REDUCED PRESSURE ZONE BACKFLOW PREVENTER ON COLD WATER LINES SERVING ICE MAKERS & HUMIDIFIERS. ROUTE DRAIN FROM BFP TO DRAIN SERVING ASSOCIATED EQUIPMENT UNLESS INDICATED OTHERWISE.
37. PROVIDE DIELECTRIC FITTING WHERE DISSIMILAR METALS ARE CONNECTED.
38. PROVIDE HANDICAP/ADA WATER CLOSETS WITH FLUSH VALVE HANDLES OR FLUSH LEVER (FOR TANK TYPE WATER CLOSETS) POINTING TOWARDS "OPEN" SIDE OF WATER CLOSET STALL AS REQUIRED FOR ADA COMPLIANCE.
39. DO NOT ROUTE PIPING CONTAINING WATER OVER ELECTRIC EQUIPMENT.
40. PROVIDE ACCESS PANELS FOR EQUIPMENT, VALVES, ETC. WHERE LOCATED ABOVE NON ACCESSIBLE CEILING. ACCESS PANELS SHALL BE LARGE ENOUGH FOR REQUIRED ADJUSTMENT & MAINTENANCE. COORDINATE COLOR & LOCATION WITH ARCHITECT. PROVIDE FIRE AND/OR SMOKE RATED ACCESS PANELS WHERE REQUIRED IN RATED CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN & DRAWINGS FOR RATED CEILING LOCATIONS.
41. ALL TRAPS SUBJECT TO EVAPORATION (FLOOR DRAINS, HUB DRAINS, ETC.) SHALL BE PROVIDED WITH A TRAP PRIMER.
42. PROVIDE WATER HAMMER ARRESTORS IN ACCORDANCE WITH PDI WH201 & ASSE 1010 COMPLAINT.
43. PROVIDE ALL POTABLE WATER SYSTEMS WITH LEAD FREE PIPING, SOLDER & FLUX.
44. COORDINATE ROUGH IN LOCATIONS WITH APPROVED TOILET PARTITION SHOP DRAWINGS & ARCHITECTURAL ELEVATION DRAWINGS.
45. ALL AUTOMATIC TRAP PRIMERS SHALL BE ASSE 1018 COMPLIANT.
46. WATER HEATERS SHALL HAVE THE FOLLOWING REQUIRED SAFETY DEVICES: TEMPERATURE & PRESSURE RELIEF VALVE, ASSE 1017 COMPLAINT THERMOSTATIC MIXING VALVE, INTERNAL CUTOFF DEVICE TO CUT ENERGY SOURCE TO WATER HEATER & ANSI Z21.22 COMPLIANT VACUUM BREAKER INSTALLED ON COLD WATER LINE TO WATER HEATER (ANTI-SIPHON DEVICE).
47. PROVIDE ALL SUMP PUMPS WITH CHECK VALVE & GATE VALVE INSTALLED ON THE DISCHARGE OF THE SUMP PUMP.
48. PROVIDE MILDEW-RESISTANT WHITE SILICONE SEALANT BEAD AROUND BASE OF ALL FIXTURES.
49. PROVIDE 1" THICK CONTINUOUS INSULATION ON ALL PIPING PENETRATING THE ROOF. INSULATION SHALL BE FROM UNDERSIDE OF ROOF DECK, ALONG ALL LATERALS & TO 6" BELOW LAST ABOVE CEILING ELBOW JOINT.
50. PROVIDE HIGH & LOW BRACING FROM STRUCTURE ON PIPING PENETRATING THROUGH THE ROOF TO PREVENT MOVEMENT THAT WOULD AFFECT WATERPROOFING OF ROOF FLASHING.
51. PROVIDE SUPPORTS FOR ROOF MOUNTED HORIZONTAL PIPING WITH SPACING & IN A MANNER ENDORSED BOTH BY PIPE MANUFACTURER & ROOF MANUFACTURER. SUPPORTS SHALL BE DESIGNED FOR UNBINDING SURFACE OR WITH NON-CORRODING ROLLERS TO ALLOW FOR THERMAL MOVEMENT OF PIPING WITHOUT AFFECTING THE ROOFING SYSTEM.
52. PROVIDE & COORDINATE PROVISIONS FOR PIPE PROTECTION BENEATH HANDICAP LAVATORIES WHERE REQUIRED BY APPLICABLE CODES & WHERE INDICATED WITHIN TOILET ACCESSORIES.
53. PROVIDE SLEEVES SIZED FOR PASSAGE OF PIPING. FULL INSULATION THICKNESS & INSTALLATION OF FIRE-STOP AND/OR SEALANT ON ALL DOMESTIC WATER, SANITARY VENT, FIRE WATER & NATURAL GAS PIPING PENETRATING THROUGH WALLS.
54. GENERAL CONTRACTOR SHALL PAINT ALL PLUMBING PENETRATIONS (VENTS, FLASHING, ETC.) THROUGH ROOF. COORDINATE WITH ARCHITECT FOR COLOR.
55. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAINTING, CUTTING & PATCHING OF EXISTING FLOORS, WALLS & PARTITIONS IN EXISTING BUILDING & FOR RESTORING AREA TO ORIGINAL CONDITION THAT IS ACCEPTABLE TO ARCHITECT.
56. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL & UPON REFUSAL FOR ALL EXISTING MATERIAL & EQUIPMENT REMOVED UNDER THE CONTRACT SHALL BE HAULED OFF SITE AS DEBRIS.
57. CONTRACTOR SHALL COORDINATE & PLAN INSTALLATION OF NEW WORK & CONNECTIONS TO EXISTING UTILITIES IN A MANNER TO MINIMIZE SHUTDOWN. CONTRACTOR SHALL COORDINATE WITH OWNER ON ANY SHUTDOWN REQUIRED THAT AFFECTS EXISTING OCCUPIED PORTIONS OF THE BUILDING AND/OR ANY SURROUNDING EXISTING FACILITIES.

PLUMBING SYMBOL LEGEND

(REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS)

GENERAL

- NEW WORK
- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- NEW EQUIPMENT OR FIXTURE
- MATCHLINE (1 / M101)
- GRID LINE (1)
- SECTION SYMBOL (1 / M101 — SECTION NUMBER / SHEET NUMBER)
- DETAIL SYMBOL (1 / M101 — DETAIL NUMBER / SHEET NUMBER)
- SHEET REFERENCE TAG (RE: 1 / M101 — SHEET NUMBER / VIEW NUMBER)
- GENERAL NOTE (1)
- DEMO NOTE (1)
- REVISION TAG (1)
- TIE INTO

PIPING

- SANITARY VENT PIPING
- COLD WATER PIPING
- HOT WATER PIPING
- SS — SANITARY SEWER PIPING
- GW — GREASE WASTE PIPING
- SD — STORM DRAIN PIPING
- FW — FIRE WATER PIPING
- NG — NATURAL GAS PIPING
- VAC — VACUUM PIPING
- O — OXYGEN PIPING
- N — NITROGEN PIPING
- A — AIR PIPING
- NO — NITROUS OXIDE PIPING
- 90° ELBOW
- 45° ELBOW
- TRANSITION
- 45° WYE
- SANITARY TEE
- COMBINATION WYE AND 8TH
- COUPLING
- DOUBLE SANITARY VENT
- DOUBLE SANITARY TEE
- DOUBLE SANITARY LONG SWEEP TEE
- DOUBLE WYE
- CAP
- HOSE BIBB
- DOWNSPOUT NOZZLE
- BALL VALVE
- CHECK VALVE
- GATE VALVE
- DOMESTIC WATER SHUTOFF RE: DETAIL
- SOLENOID VALVE
- GASCOCK
- INLINE RECIRCULATION PUMP

INDEX - PLUMBING SHEETS

P001	PLUMBING COVER SHEET
P100	PLUMBING PLANS
P200	PLUMBING DETAILS
P300	PLUMBING SCHEDULES

SCHEDULE - PIPE & INSULATION

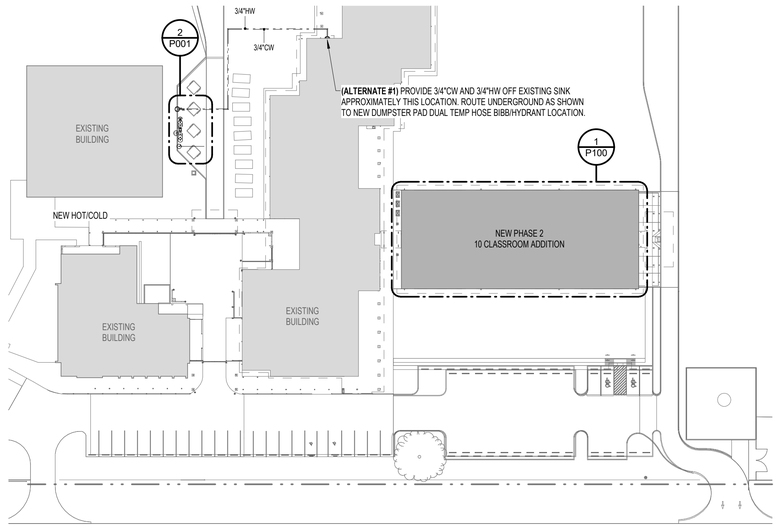
LOCATION	SYSTEM	ABBREVIATION	MATERIAL	SIZE	TYPE	THICKNESS
ALL	SANITARY SEWER	SS	SOLID WALL PVC	ALL	-	-
ALL	SANITARY VENT	SV	SOLID WALL PVC	ALL	-	-
ABOVE GROUND	DOMESTIC COLD WATER, HOT WATER / RETURN	CW, HW, HWR	TYPE L HARD COPPER	1/2" - 3/4"	MINERAL FIBER, PREFORMED	1/2"
ABOVE GROUND	DOMESTIC COLD WATER, HOT WATER / RETURN	CW, HW, HWR	TYPE L HARD COPPER	1"+	MINERAL FIBER, PREFORMED	1"
UNDERGROUND	TRAP PRIMER	-	TYPE K SOFT COPPER	1/2"	-	-

NOTES:

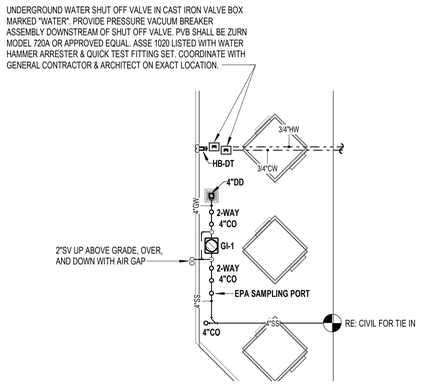
1. SOLID WALL PVC:
   - A. ASTM D 2665 AND ASTM D1785 COMPLIANT DRAIN, WASTE AND VENT PIPE.
   - B. SOLVENT-CEMENT JOINTS, COMPLY WITH ASTM F402 FOR SAFE HANDLING PRACTICE OF CLEANERS, PRIMERS AND SOLVENT CEMENTS. JOIN ACCORDING TO ASTM D 2855 AND ASTM D 2665 APPENDIXES.
   - C. INSTALL ABOVE GROUND ACCORDING TO ASTM D 2665, INSTALL UNDER GROUND ACCORDING TO ASTM D 2321
2. TYPE L HARD COPPER:
   - A. ASTM B 88, CAST OR WROUGHT COPPER, SOLDER-JOINT FITTINGS AND BRAZED OR SOLDERED JOINTS.
3. TYPE K SOFT COPPER:
   - A. ASTM B 88, WROUGHT COPPER, SINGLE PIECE TUBING WITHOUT JOINTS UNDERSLAB.
4. MINERAL-FIBER, PREFORMED PIPE INSULATION:
   - A. MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN. COPLAY WITH ASTM C 547, TYPE I, GRADE A, WITH FACTORY APPLIED ALL SERVICE JACKET.
5. ALL EXPOSED SANITARY DRAINS, DOMESTIC COLD & HOT WATER AND STOPS FOR ADA PLUMBING FIXTURES SHALL HAVE PROTECTIVE SHIELDING PIPE COVERS.
6. FLOOR DRAINS, TRAPS AND SANITARY DRAIN PIPING WITHING 10' OF DRAIN RECEIVING CONDENSATE SHALL HAVE 1" THICK MINERAL-FIBER, PREFORMED PIPE INSULATION.

ABBREVIATION LEGEND

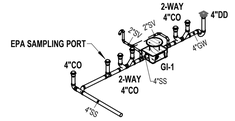
AC	AIR CONDITIONING
ACCU	AIR COOLED CONDENSING UNIT
AFF	ABOVE FINISHED FLOOR
AFS	AIR FLOW STATION
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AS	AIR SEPARATOR
AV	AIR VENT
BAS	BUILDING AUTOMATION SYSTEM
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNIT PER HOUR
CC	COOLING COIL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHWCF	CHILLED WATER CHEMICAL FEED
CHP	CHILLED WATER PUMP
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
COMP	COMPRESSOR
CP	CIRCULATING PUMP
CU	CONDENSING UNIT
CT	COOLING TOWER
CV	CONTROL VALVE
CW	COLD WATER
CWCF	CONDENSER WATER CHEMICAL FEED
CWR	CONDENSER WATER RETURN
CWP	CONDENSER WATER PUMP
CWS	CONDENSER WATER SUPPLY
DB	DRY BULB TEMP (DEG F)
DDC	DIRECT DIGITAL CONTROL
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DPS	DIFFERENTIAL PRESSURE SWITCH
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRICAL
ENT	ENTERING
ECU	ELECTRIC CONDENSING UNIT
ERU	ELECTRIC REFRIGERANT UNIT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR
EX	EXHAUST
EXT	EXTERNAL
FA	FRESH AIR
FC/FCU	FAN COIL UNIT
FD	FIRE DAMPER
FT	FEET
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FV	FACE VELOCITY
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
GUH	GAS UNIT HEATER
HC	HEATING COIL
HP	HORSEPOWER
HR	HOUR
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
ID	INSIDE DIAMETER
IN	INCHES
KW	KILOWATTS
LVG	LEAVING
MA	MIXED AIR
MAX	MAXIMUM
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
NG	NATURAL GAS
MIN	MINIMUM
MVD	MANUAL VOLUME DAMPER
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOC.
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAU	OUTSIDE AIR UNITS
OS&Y	OUTSIDE STEM AND YOKE
OZ	OUNCES (PRESSURE)
PD	PRESSURE DROP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
REF	REFERENCE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RND	ROUND
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY AIR FAN
SP	STATIC PRESSURE
SPEC	SPECIFICATIONS
TEMP	TEMPERATURE
TOD	TOP OF DUCT
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LISTED
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W /	WITH
W / O	WITHOUT
WB	WET BULB (DEG F)



1 PLUMBING SITE PLAN
1" = 50'-0"



2 PLUMBING SITE PLAN - ENLARGED DUMPSTER AREA (ALTERNATE #1)
3/32" = 1'-0"



3 SANITARY RISER DIAGRAM - DUMPSTER AREA (ALTERNATE #1)

1" ½" 0" — The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

STATE OF LOUISIANA — GREGORY T. PARISH — PROFESSIONAL ENGINEER — MECHANICAL ENGINEER
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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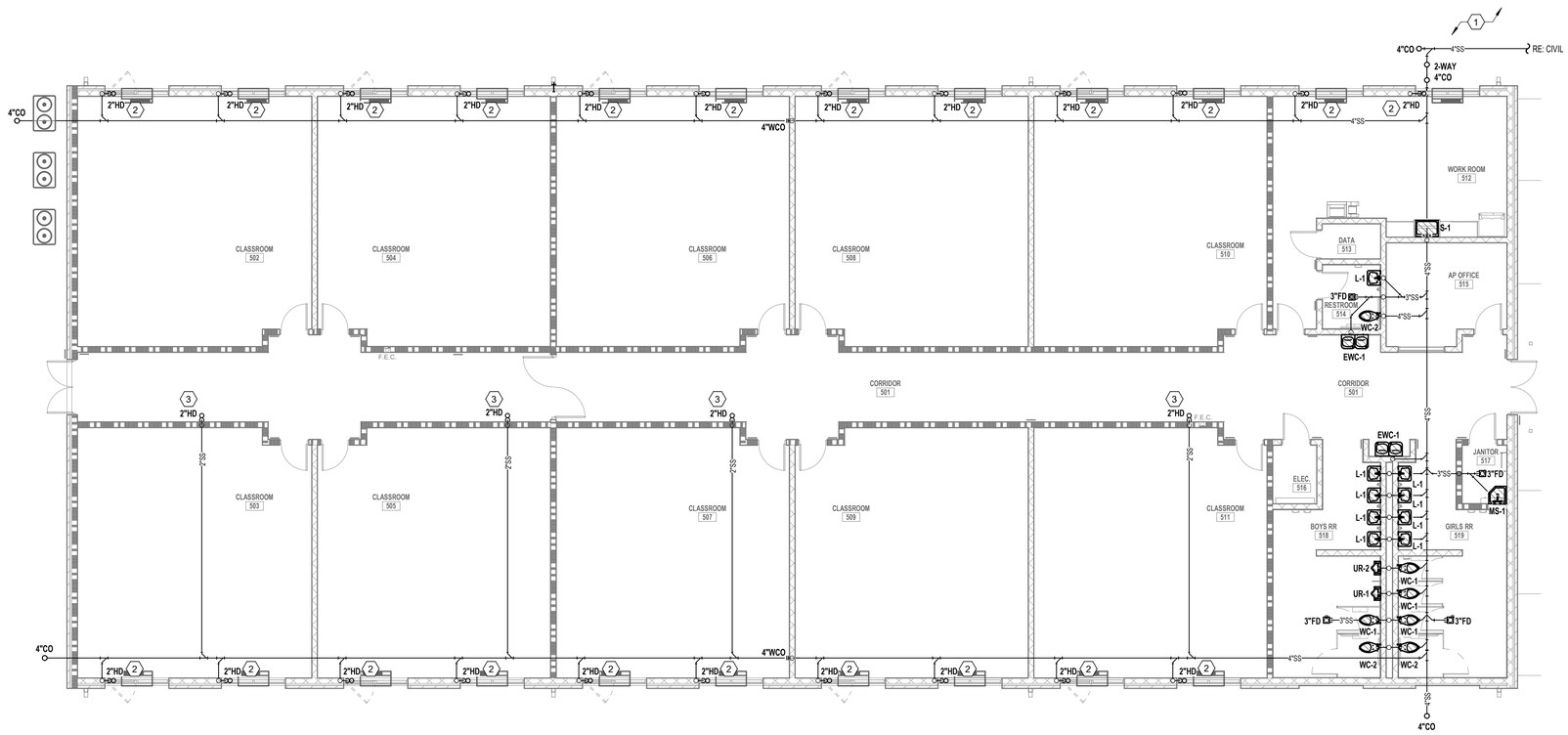
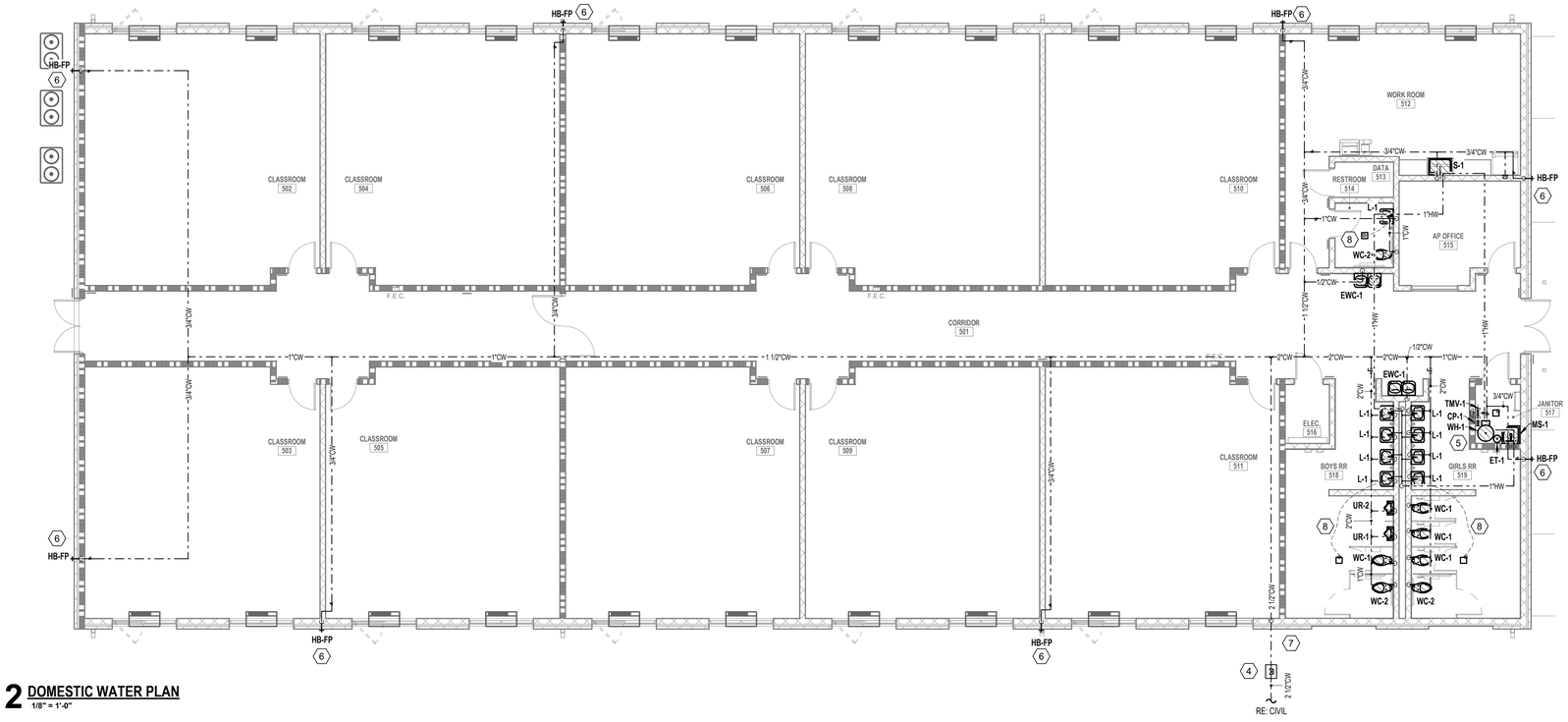


1 **SANITARY SEWER PLAN**
1/8" = 1'-0"



2 **DOMESTIC WATER PLAN**
1/8" = 1'-0"

PLUMBING KEY NOTES: (#)

1. EXACT LOCATION & INVERT OF EXISTING SANITARY SEWER LINE UNKNOWN. CONTRACTOR SHALL FIELD VERIFY LOCATION, SIZE, DEPTH & DIRECTION OF FLOW PRIOR TO CONSTRUCTION.
2. 2" HUB DRAIN WITH FUNNEL CONCEALED WITHIN WALL BELOW HVAC UNIT FOR CONDENSATE. COORDINATE WITH MECHANICAL CONTRACTOR ON EXACT LOCATION & INSTALLATION HEIGHT PRIOR TO ROUGH-IN. COORDINATE WITH ARCHITECT AND GENERAL CONTRACTOR TO PROVIDE WALL ACCESS PANEL OR OTHER MEANS OF ACCESSING HUB DRAIN FOR MAINTENANCE AND INCLUDE COST IN BID. INSULATE HUB DRAIN TRAP & HORIZONTAL DRAIN LINE BACK TO VERTICAL PIPE DROP. PROVIDE HUB DRAIN WITH TRAP GUARD (PROVENT SYSTEMS #TG23FHD OR EQUAL).
3. 2" HUB DRAIN WITH FUNNEL STUBBED OUT WALL IN ATTIC SPACE FOR HVAC UNIT FOR CONDENSATE. COORDINATE WITH MECHANICAL CONTRACTOR ON EXACT LOCATION & INSTALLATION HEIGHT PRIOR TO ROUGH-IN. INSULATE HUB DRAIN TRAP & HORIZONTAL DRAIN LINE BACK TO VERTICAL PIPE DROP. PROVIDE HUB DRAIN WITH TRAP GUARD (PROVENT SYSTEMS #TG23FHD OR EQUAL).
4. UNDERGROUND DOMESTIC WATER SHUT OFF VALVE IN CAST IRON VALVE BOX MARKED "WATER".
5. ELECTRIC TANK TYPE WATER HEATER ON WALL MOUNTED PLATFORM ABOVE MOP SINK. ROUTE T&P RELIEF AND AUXILIARY DRAIN PAN DRAIN LINE TO MOP SINK AND TURN DOWN WITH AIR GAP. PROVIDE SHUT OFF VALVES ON ALL WATER LINES TO AND FROM WATER HEATER. PROVIDE THERMOSTATIC MIXING VALVE, THERMAL EXPANSION TANK, AND CIRCULATING PUMP AS SHOWN. PROVIDE UNISTRUT FRAMING SECURED TO STRUCTURAL WALL FRAMING AS REQUIRED TO PROPERLY SUPPORT MIXING VALVE, EXPANSION TANK, CIRCULATING PUMP, AND ASSOCIATED PIPING. RE: SCHEDULES & DETAILS.
6. COORDINATE EXACT LOCATION OF HOSE BIBB WITH THE GENERAL CONTRACTOR AND OWNER PRIOR TO CONSTRUCTION. PROVIDE HOSE BIBB WITH ACCESSIBLE SHUT OFF VALVE (ACCESS THROUGH WALL ACCEPTABLE). TYPICAL.
7. COORDINATE EXACT LOCATION OF EXISTING WATER SERVICE PRIOR TO INSTALLATION.
8. PROVIDE 1/2" GRAVITY TRAP PRIMER LINE FROM LAVATORY. ROUTE 1/2" LINE CONCEALED IN WALL & BELOW GRADE TO FLOOR DRAIN. RE: DETAIL.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA
GRANT T. McWATTERS
LICENSED PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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PLUMBING PLANS

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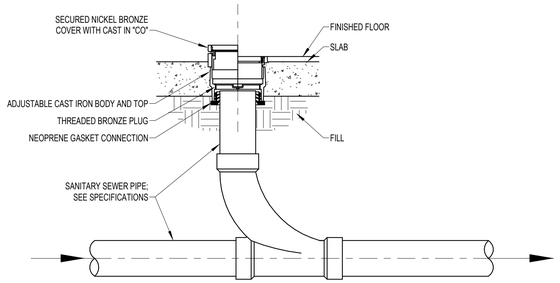
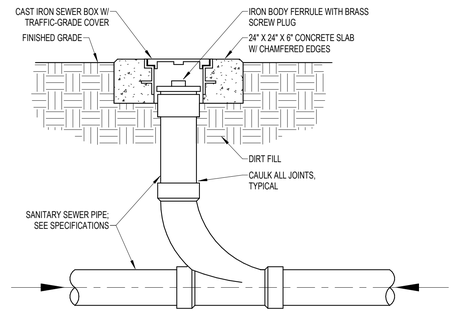


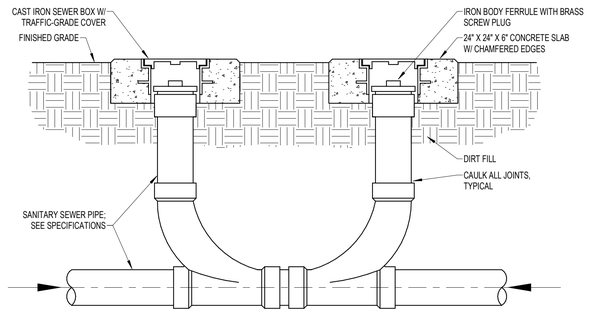
GENERAL NOTES:
1. CLEANOUTS SHALL HAVE MINIMUM INSTALLED CLEARANCES: 12" FOR CLEANOUTS SMALLER THAN 3"; 18" FOR CLEANOUTS 3" AND LARGER.
2. CLEANOUTS SHALL BE LOCATED AT MAXIMUM INTERVALS OF: 50'-0" FOR PIPING 3" AND SMALLER; 80'-0" FOR PIPING 4" THROUGH 6".
3. COORDINATE ROUGH IN HEIGHT OF ALL CLEANOUTS WITH SLAB/FINISHED FLOOR HEIGHT PRIOR TO SLAB BEING POURED.

1 DETAIL - INTERIOR CLEANOUT
N.T.S.



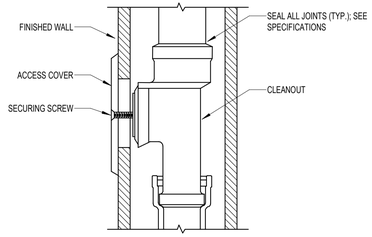
GENERAL NOTES:
1. CLEANOUTS SHALL HAVE MINIMUM INSTALLED CLEARANCES: 12" FOR CLEANOUTS SMALLER THAN 3"; 18" FOR CLEANOUTS 3" AND LARGER.
2. COORDINATE ROUGH IN HEIGHT OF ALL CLEANOUTS WITH SLAB/FINISHED FLOOR HEIGHT PRIOR TO SLAB BEING POURED.
3. ALL NOTES ARE TYPICAL FOR EACH CLEANOUT.

2 DETAIL - EXTERIOR CLEANOUT
N.T.S.



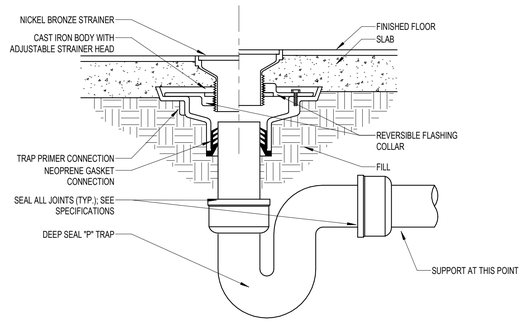
GENERAL NOTES:
1. CLEANOUTS SHALL HAVE MINIMUM INSTALLED CLEARANCES: 12" FOR CLEANOUTS SMALLER THAN 3"; 18" FOR CLEANOUTS 3" AND LARGER.
2. COORDINATE ROUGH IN HEIGHT OF ALL CLEANOUTS WITH SLAB/FINISHED FLOOR HEIGHT PRIOR TO SLAB BEING POURED.
3. ALL NOTES ARE TYPICAL FOR EACH CLEANOUT.

3 DETAIL - TWO WAY CLEANOUT
N.T.S.



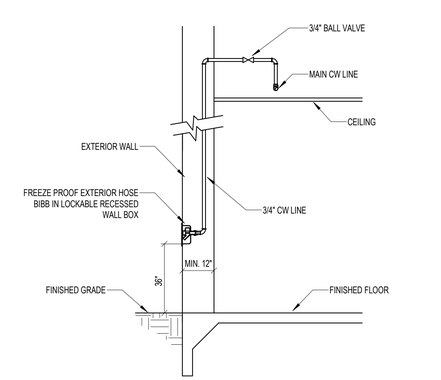
GENERAL NOTES:
1. ALL CLEANOUTS SHALL BE INSTALLED WITH THE FOLLOWING MINIMUM CLEARANCES: 12" MIN. ON CLEANOUTS SMALLER THAN 3" AND 18" MIN. ON CLEANOUTS 3" AND LARGER.

4 DETAIL - WALL CLEANOUT
N.T.S.

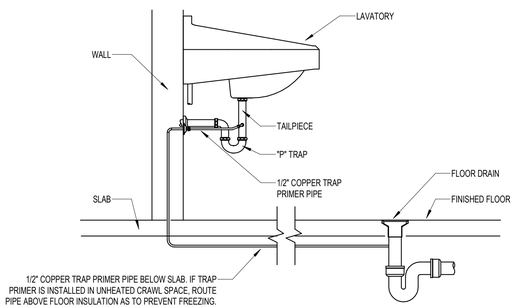


GENERAL NOTES:
1. ALL FLOOR DRAINS SHALL BE INSTALLED WITH A 1/2" TRAP PRIMER.
2. COORDINATE ROUGH IN HEIGHT OF ALL FLOOR DRAINS WITH SLAB/FINISHED FLOOR HEIGHT PRIOR TO SLAB BEING POURED.

5 DETAIL - FLOOR DRAIN
N.T.S.

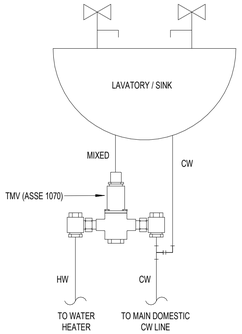


6 DETAIL - EXTERIOR HOSE BIBB
N.T.S.



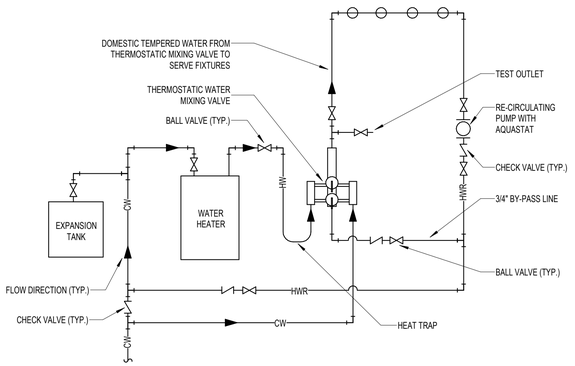
GENERAL NOTES:
1. ALL COPPER PIPING BELOW SLAB SHALL BE SOFT DRAWN WITH NO JOINTS. ALL COPPER PIPING ABOVE SLAB SHALL BE HARD DRAWN COPPER.

7 DETAIL - GRAVITY TRAP PRIMER
N.T.S.



GENERAL NOTES:
1. CONTRACTOR SHALL PROVIDE & INSTALL MIFAB MI-THERM OR LEONARD 170-LF THERMOSTATIC MIXING VALVE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. MIXING VALVE MUST BE CERTIFIED TO A.S.S.E. 1070 STANDARD.

8 DETAIL - THERMOSTATIC MIXING VALVE @ LAV
N.T.S.



GENERAL NOTES:
1. ALL CHECK VALVES MOUNTED IN THE VERTICAL POSITION SHALL BE SPRING LOADED.
2. ALL BALL VALVES SHALL BE FULL PORT LINE SIZE.

9 DETAIL - THERMOSTATIC MIXING VALVE
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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — GRANT T. PARISH — LICENSED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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SCHEDULE - PLUMBING FIXTURES

MARK	DESCRIPTION	MANUFACTURER / MODEL	CONNECTION SIZE				ACCESSORIES / TRIM		
			WASTE	VENT	CW	HW	FAUCET	FLUSH VALVE	MISCELLANEOUS ITEMS
WC-1	FLOOR MOUNTED WHITE VITREOUS WATER CLOSET W/ TOP SPUD AND 1.6 GPF FLUSH VALVE	AMERICAN STANDARD 2858.016	4"	3"	1"			AMERICAN STANDARD 6047.161; SLOAN ROYAL 111	SEAT: AMERICAN STANDARD 5901.100; CHURCH 9500 SSCT
WC-2	FLOOR MOUNTED WHITE VITREOUS WATER CLOSET W/ TOP SPUD AND 1.6 GPF FLUSH VALVE; ADA COMPLIANT	AMERICAN STANDARD 2857.016	4"	3"	1"			AMERICAN STANDARD 6047.161; SLOAN ROYAL 111	SEAT: AMERICAN STANDARD 5901.100; CHURCH 9500 SSCT
UR-1	WALL MOUNTED WHITE VITREOUS CHINA URINAL WITH WASHOUT FLUSH ACTION (1.0 GPF) AND EXTENDED SIDES FOR PRIVACY; 3/4" TOP SPUD	AMERICAN STANDARD 6501.010; KOHLER K-4904-ET; ZURN Z5750; MANSFIELD 410HE	2"	2"	3/4"			ZURN Z6003AV-WS1; SLOAN ROYAL 186-1.0; DELANY S451-1	
UR-2	ADA HEIGHT, WALL MOUNTED WHITE VITREOUS CHINA URINAL WITH WASHOUT FLUSH ACTION (1.0 GPF) AND EXTENDED SIDES FOR PRIVACY; 3/4" TOP SPUD	AMERICAN STANDARD 6501.010; KOHLER K-4904-ET; ZURN Z5750; MANSFIELD 410HE	2"	2"	3/4"			ZURN Z6003AV-WS1; SLOAN ROYAL 186-1.0; DELANY S451-1	
L-1	20" X 18" WALL HUNG WHITE VITREOUS CHINA LAVATORY WITH OVERFLOW AND 4" CENTER FAUCET HOLES	AMERICAN STANDARD 0124.131; KOHLER K-1729; ZURN Z5344	2"	2"	1/2"	1/2"	AMERICAN STANDARD 7385.003; T&S BRASS B-2711; ZURN Z81000-G; ELKAY LK422L4; DELTA 523LF-HDF		2" CAST BRASS "P" TRAP WITH CLEAN OUT; GRID STRAINER DRAIN
S-1	31" X 22" SELF RIMMING TOP MOUNT SINGLE BOWL SINK OF 18 GA STAINLESS STEEL WITH (3) FAUCET HOLES ON 4" CENTERS AND DECK MOUNTED SINGLE LEVER FAUCET	ELKAY DLR312212; JUST SLXD-2231-A-GR	2"	2"	1/2"	1/2"	CHICAGO 2300-ACP; T&S BRASS B-2731; ZURN Z82300-CP8; ELKAY LK1000CR; DELTA 100LF-HDF		DRAIN: ELKAY LK35; JUST J-35; FIXTURE TO BE SUPPLIED WITH 1-1/2" CAST BRASS "P" TRAP WITH CLEAN OUT; 3/8" ANGLE STOP SUPPLIES WITH LOOSE KEY STOP
MS-1	24"X24"X12" TERRAZZO CORNER MOUNT MOP SINK WITH 6" DROP FRONT AND STAINLESS STEEL CAP	ACORN TNC-24; FIAT TSBC-1610; STERN WILLIAMS SBC-1700; FLORESTONE MODEL 96	3"	2"	1/2"	1/2"	JUST JVB-1200; SPEAKMAN SC-5812; T&S BRASS B-0665-BSTP; CHICAGO 897-CP		STAINLESS STEEL MOP HANGER; STAINLESS STEEL BACKSPLASH; 36" HOSE WITH WALL HOOK
EWC-1	BARRIER FREE ACCESS WALL MOUNTED ADA COMPLIANT DOUBLE STATION WATER COOLER WITH STAINLESS STEEL BUBBLER AND BOTTLE FILLING STATION	ELKAY EZSTL8WSSK; OASIS; HALSEY TAYLOR; ACORN EQUAL	2"	2"	1/2"				1-1/4" CAST BRASS "P" TRAP WITH CLEANOUT; 3/8" ANGLE STOP SUPPLIES WITH LOOSE KEY STOP
HB-FP	FREEZE PROOF WALL HYDRANT WITH FLUSH MOUNTED WALL BOX	WOODFORD B65; JAY R SMITH 5519; MIFAB MHY-25; ZURN Z1300; JOSAM 71000			3/4"				TO BE SUPPLIED WITH (2) LOOSE TEE KEYS
HB-DT	FREEZE PROOF DUAL TEMPERATURE WALL HYDRANT WITH FLUSH MOUNTED WALL BOX	WOODFORD B22; JAY R SMITH 5560QT; MIFAB MHY-45; JOSAM 71650; ZURN Z1325			3/4"	3/4"			TO BE SUPPLIED WITH (2) LOOSE TEE KEYS
3"FD	FLOOR DRAIN WITH 6" SQUARE ADJUSTABLE NICKEL BRONZE STRAINER AND CAST IRON BODY	JAY R SMITH 2005; WADE 1100G; ZURN Z415S; JOSAM 3000-S; MIFAB F1100-S							
4"DD	9" X 9" HEAVY DUTY CAST IRON DRAIN WITH HEAVY DUTY HINGED, SLOTTED GRATE AND SEDIMENT BUCKET	ZURN Z513							
4"CO	SANITARY FLOOR CLEANOUT	ZURN ZN1400; WADE 6000-STD; JAY R SMITH 4031 SERIES; JOSAM 55000; MIFAB C1220							
4"WCO	SANITARY WALL CLEANOUT	ZURN Z1446; JAY R SMITH 4500 SERIES; WATTS CO-460-RD							

NOTES:

1. PROVIDE STAINLESS STEEL HARDWARE (BOLTS. ETC.) FOR ATTACHING ALL PLUMBING FIXTURES.
2. PROVIDE 3/8" ANGLE STOP SUPPLIES WITH LOOSE KEY STOP FOR ALL WATER CLOSETS, SINKS, LAVATORIES, WATER COOLERS, ETC.
3. PROVIDE CARRIER PER THE MANUFACTURER'S RECOMMENDATIONS/REQUIREMENTS FOR ALL WALL HUNG FIXTURES.
4. CLEANOUTS SHALL BE THE SAME SIZE AS THE SANITARY SEWER PIPE.
5. PROVIDE WATER TEMPERATURE LIMITING DEVICE CONFORMING TO ASSE 1070 TO LIMIT THE TEMPERED WATER TO A MAXIMUM OF 110°F FOR ALL LAVATORIES.
6. ALL LAVATORIES SHALL BE ADA COMPLIANT. PROVIDE 29" CLEARANCE FROM THE FLOOR TO THE BOTTOM OF THE LAVATORY APRON. EXPOSED DRAIN AND WATER PIPING SHALL NOT INTERFERE WITH REQUIRED KNEE CLEARANCE. PROVIDE TWO-PIECE, SNAP-ON, PVC INSULATED COVER; TRUEBRO #HANDI LAV-GUARD OR APPROVED EQUAL.
7. HOSE BIBBS:
   A. WHERE WALL THICKNESS DOES NOT ALLOW FOR INSTALLATION OF HOSE BIBB SPECIFIED, PROVIDE NARROW MODERATE CLIMATE WALL HYDRANT WITH BRONZE BODY, SATIN FINISH, STAINLESS STEEL BOX, SCREW DRIVER OPERATED STOP VALVE AND TEE HANDLE, WADE MODEL HY-1 OR APPROVED EQUAL.

SCHEDULE - WATER HEATERS - ELECTRIC, TANK

MARK	CAPACITY	GPH AT 80°F RISE	ELEMENT(S)				ELECTRICAL SERVICE			WEIGHT	MANUFACTURER / MODEL
			QTY	SIMULTANEOUS	CAP EA.	CAP TOTAL	VOLTS	PH	FREQ		
WH-1	20 gal	32	1	YES	6 kW	6 kW	208 V	1	60 Hz	325 lb	AO SMITH DSE-20A OR APPROVED EQUAL

NOTES:

1. COORDINATE PIPING INSTALLATION WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
2. PROVIDE SAFETY AN UNDER WATER HEATER. ROUTE DRAIN LINE FROM SAFETY PAN AND T&P RELIEF VALVE FROM WATER HEATER TO EXTERIOR WALL WITH ELBOW DOWN AT APPROXIMATELY 12" AFF.
3. WATER HEATER TO BE FURNISHED AND INSTALLED WITH ASME COMPLIANT THERMAL EXPANSION TANK. WATER HEATER, TANK, AND T&P RELIEF VALVES SHALL BE ASME CERTIFIED.
4. WATER HEATER TO BE PROVIDED WITH IMMERSION STYLE THERMOSTAT.

SCHEDULE - CIRCULATING PUMPS

MARK	SERVICE	DESCRIPTION	MAX FLOW	MAX HEAD	MOTOR		ELECTRIC SERVICE			MANUFACTURER / MODEL
					POWER	RPM	VOLTS	PH	FREQ	
CP-1	WH-1	3-SPEED RECIRCULATING PUMP	32 GPM	33 ftH2O	0.125 hp	3250	120 V	1	60 Hz	TACO 0013 OR APPROVED EQUAL

NOTES:

1. PUMP SHALL BE BRONZE OR STAINLESS STEEL CONSTRUCTION SUITABLE FOR DOMESTIC WATER USE.
2. PROVIDE WITH AQUASTAT AND DIGITAL TIMER.
3. COORDINATE WITH ELECTRICAL CONTRACTOR FOR ELECTRICAL SERVICE.

SCHEDULE - THERMOSTATIC MIXING VALVES

MARK	MIN FLOW	FLOW @ 10 PSI PD	INLET DIA	OUTLET DIA	MANUFACTURER / MODEL
TMV-1	1 GPM	18 GPM	3/4"	1"	LENOARD TM-420B-LF-DT OR APPROVED EQUAL

NOTES:

1. ALL TMVs SHALL BE HIGH/LOW TYPE, ASSE 1017 COMPLIANT, AND LEAD FREE.
2. TMV SHALL HAVE ADJUSTABLE HIGH TEMPERATURE LIMIT STOP, INLET CHECK STOPS, WALL SUPPORT, OUTLET BALL VALVE, INLET MANIFOLD PIPING, LOCKING TEMPERATURE REGULATORS, AND COLOR CODED DIAL THERMOMETER.
3. PROVIDE ALL UNITS WITH WALL MOUNTING BRACKETS, VACUUM BREAKERS, AND TOP SUPPLIES FACTORY ASSEMBLED AND TESTED.

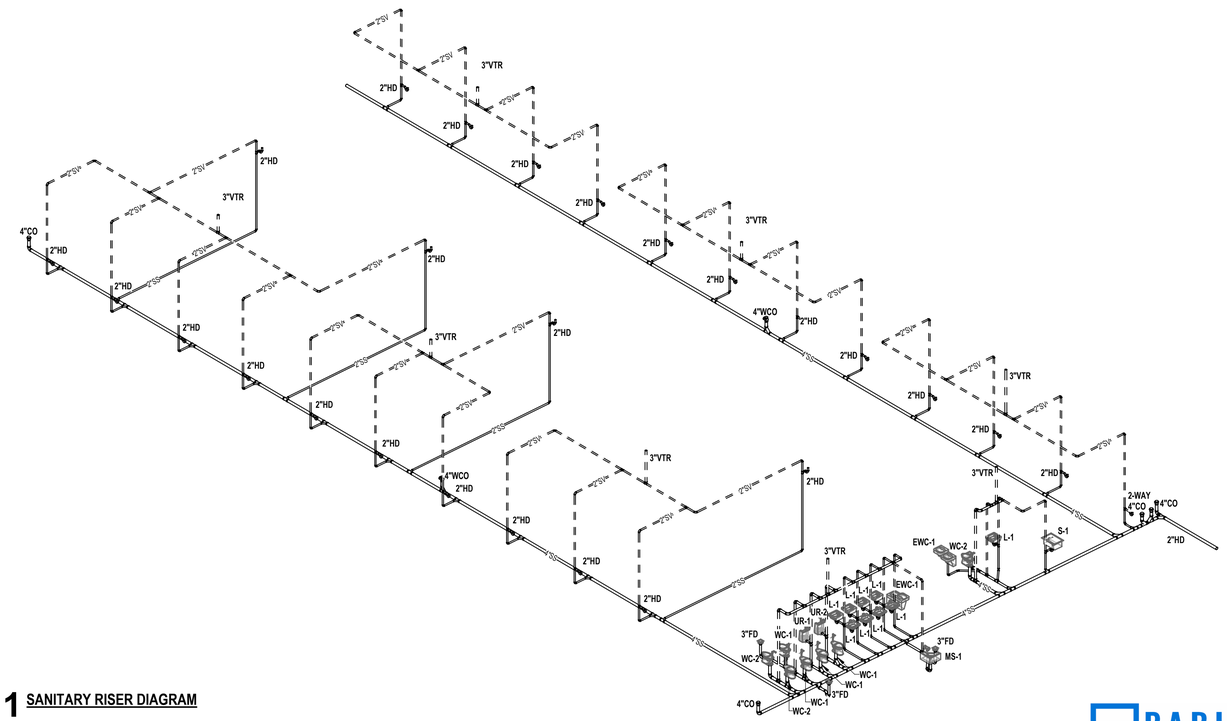
SCHEDULE - THERMAL EXPANSION TANKS

MARK	DESCRIPTION	VOLUME	WEIGHT	MANUFACTURER / MODEL
ET-1	ASME CERTIFIED BLADDER TYPE THERMAL EXPANSION TANK	2 gal	40 lb	ELBI DTS-8 OR APPROVED EQUAL

NOTES:

1. SHELL SHALL BE FABRICATED STEEL DESIGNED AND CONSTRUCTED PER ASME SECTION VIII DIV 1.
2. MAXIMUM WORKING PRESSURE OF 150 PSI AND MAXIMUM OPERATING TEMPERATURE OF 240°F.
3. TANK SHALL BE MOUNTED AND SECURED TO WALL OR ON FLOOR

DETAIL & SPECIFICATION - DUMPSTER GREASE INTERCEPTOR (GI-1: ALTERNATE #1)



1 SANITARY RISER DIAGRAM

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

STATE OF LOUISIANA — GRANT T. PARISH — 29141 — PROFESSIONAL ENGINEER — MECHANICAL ENGINEER
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	CTD
QUALITY CONTROL	GTM

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BID DOCUMENTS

P300

PLUMBING SCHEDULES

H/S

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½"
0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

ELECTRICAL SYMBOL LEGEND

(REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS)

GENERAL

Symbol	Description
1	KEYNOTE
A-1,3	CIRCUIT TAG; PANEL AND CIRCUIT DESIGNATION AS INDICATED; E.G. PANEL "A", CIRCUIT #1,3

WIRE, CONDUIT, AND RACEWAY

Symbol	Description
	ABOVE-SLAB CONDUIT & WIRE/CABLING
	BELOW-SLAB CONDUIT & WIRE/CABLING; 3/4" MINIMUM CONDUIT SIZE UON
	HOMERUN TO PANEL; TICK MARKS INDICATED NUMBER OF WIRES

DISTRIBUTION

Symbol	Description
	PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT AS NOTED; INSTALL WITH SUFFICIENT WORKING SPACE AND CLEARANCES TO MEET ALL REQUIREMENTS OF NEC SECTION 110.26.
GEN-ANNC	GENERATOR REMOTE ANNUNCIATOR PANEL; PROVIDE CONDUIT/CABLING TO GENERATOR AS REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS.

EQUIPMENT CONNECTIONS
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

Symbol	Description
	FUSED SAFETY DISCONNECT SWITCH; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED WITH 36" MINIMUM CLEAR WORKING SPACE IN FRONT OF THE SWITCH; DO NOT MOUNT DIRECTLY TO EQUIPMENT
J	JUNCTION BOX
M	JUNCTION BOX FOR MOTORIZED DAMPER
S M	MOTOR RATED SWITCH WITH THERMAL OVERLOAD; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED; DO NOT MOUNT DIRECTLY TO EQUIPMENT; WHEN LOCATED ABOVE CEILING, MOUNT TO STRUCTURAL MEMBER NEARBY.
	ELECTRICAL MOTOR, HORSEPOWER AS NOTED

POWER DEVICES
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

Symbol	Description
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING; SUBSCRIPT (WHEN USED): CR - CORD REEL
	ABOVE-COUNTER DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
	GFCI DUPLEX RECEPTACLE
	ABOVE-COUNTER GFCI DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
	QUADRAPLEX RECEPTACLE
	ABOVE-COUNTER QUADRAPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
	SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH THE MANUFACTURER OF THE EQUIPMENT SERVED
	VOICE/DATA/POWER FLUSH FLOOR BOX
	DUPLEX RECEPTACLE FLUSH FLOOR BOX
	QUADRAPLEX RECEPTACLE FLUSH FLOOR BOX
	RECEPTACLE SWITCHING; EDGE SHADING INDICATES: NONE - DEVICE NOT SWITCHED; LEFT - BOTTOM (DUPLEX) OR LEFT TWO (QUAD) SWITCHED; RIGHT - TOP (DUPLEX) OR RIGHT TWO (QUAD) SWITCHED

PUBLIC ADDRESS
(PROVIDE 3/4"EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

Symbol	Description
PA	PA SYSTEM SPEAKER
H	PA SYSTEM SPEAKER PRIVACY HEADSET
I	PA SYSTEM SPEAKER MOUNT CALL-IN SWITCH

TELECOMMUNICATIONS
(JACKET COLORS TO BE PER THE OWNER'S STANDARDS IF APPLICABLE)

Symbol	Description
	TELECOM TERMINAL BOARD; 0'-1" THICK AC INDOOR GRADE, FIRE RETARDANT PLYWOOD, PAINTED AS SPECIFIED BY THE ARCHITECT OR OWNER
	DUPLEX DATA OUTLET; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, TWO (2) BLUE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED ABOVE COUNTER
	DATA/VOICE OUTLET; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE AND ONE (1) WHITE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	VOICE OUTLET; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) WHITE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	DUPLEX DATA FLUSH FLOOR BOX; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
WAP	WIRELESS ACCESS POINT (BY OWNER); PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE ACCESS POINT LOCATION TO THE TELECOM TERMINAL BOARD
TV	LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL TV WALL BOX WITH ONE DUPLEX RECEPTACLE, ONE DUPLEX DATA OUTLET, ONE COAX OUTLET, AND ONE SPARE GANG; PROVIDE 1"C, TWO (2) BLUE CAT 6 CABLES AND 1"C, ONE (1) CATV CABLE FROM THE BOX TO THE TELECOM TERMINAL BOARD; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.
TV	LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL COMBO RECESSED FLOOR BOX WITH TWO (2) DUPLEX RECEPTACLES, FOUR (4) DATA OUTLETS (UNDER A SINGLE PLATE), AND SPEAKER CONNECTIONS; PROVIDE 1-1/4"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, FOUR (4) BLUE CAT 6 CABLES FROM THE BOX TO THE TELECOM TERMINAL BOARD. ROUTE 1"EC WITH PULLSTRING FROM THE BOX TO THE TV WALL BOX IN THE SAME ROOM FOR SPEAKER CABLING. PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.

LIGHTING
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND PER THE MANUFACTURER'S SPECIFICATIONS FOR CONTROLS)

Symbol	Description
Aa	LIGHT FIXTURE; UPPERCASE LETTER(S) INDICATE FIXTURE TYPE; LOWERCASE LETTER(S) INDICATE ASSOCIATED CONTROLS ID; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTIONS AND MOUNTING TYPES
X	EXIT LIGHT FIXTURE. ARROWS (IF USED) INDICATE DIRECTION. FILLED IN QUADRANT(S) INDICATE NUMBER AND ORIENTATION OF ILLUMINATED FACES. LETTER(S) INDICATE FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION.
OS	CEILING MOUNTED OCCUPANCY SENSOR WITH 360° COVERAGE. LOCATE AND INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED BY THE OWNER
DH	CEILING MOUNTED DAYLIGHT HARVESTING SENSOR, LOCATED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED PER CODE
VS	CEILING MOUNTED OCCUPANCY SENSOR, AS ABOVE, CONFIGURED FOR VACANCY OPERATION
P	PHOTOELECTRIC CELL, EXTERIOR RATED; AIM AND SHIELD SENSOR FROM INTERIOR AND EXTERIOR ARTIFICIAL LIGHT SOURCES
S	SWITCH; SUBSCRIPT (WHEN USED): NONE - SINGLE POLE TOGGLE SWITCH; 3 - THREE-WAY SWITCH; D - LINEAR SLIDE DIMMER SWITCH; 3D - THREE-WAY LINEAR SLIDE DIMMER SWITCH; O - WALL MOUNTED OCCUPANCY SENSOR; 3O - THREE-WAY SWITCH WITH OCCUPANCY SENSOR; a,b,c etc. - SWITCH ID

FIRE ALARM
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND CONDUIT AND CABLING PER THE MANUFACTURER'S SPECIFICATIONS)

Symbol	Description
FACP	FIRE ALARM CONTROL PANEL
F	FIRE ALARM SYSTEM PULL STATION
	FIRE ALARM SYSTEM STROBE
C	FIRE ALARM SYSTEM CHIME/STROBE
H	FIRE ALARM SYSTEM HORN/STROBE
S	FIRE ALARM SYSTEM SPEAKER/STROBE
	FIRE ALARM SYSTEM CEILING MOUNT STROBE
C	FIRE ALARM SYSTEM CEILING MOUNT CHIME/STROBE
H	FIRE ALARM SYSTEM CEILING MOUNT HORN/STROBE
S	FIRE ALARM SYSTEM CEILING MOUNT SPEAKER/STROBE
C	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR
T	FIRE ALARM SYSTEM THERMAL DETECTOR
D	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR
S	FIRE ALARM SYSTEM SMOKE DETECTOR

SECURITY (EQUIPMENT PROVIDED BY OWNER/OTHERS)
(EQUIPMENT PROVIDED BY OTHERS)

Symbol	Description
KP	JUNCTION BOX FOR KEYPAD; INSTALL 48" AFF AND PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
DC	JUNCTION BOX FOR DOOR CONTACT (MAGNETIC LOCK); PROVIDE 3/4"EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
CR	JUNCTION BOX FOR CARD READER; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
ES	JUNCTION BOX FOR ELECTRIC STRIKE LOCK; PROVIDE 3/4"EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR DOOR OPERATOR; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING NEAR THE CONTROLLED DOOR
MD	JUNCTION BOX FOR MOTION DETECTOR; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR CEILING MOUNTED CAMERA; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR WALL MOUNTED CAMERA; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING

SOUND
(PROVIDE 1"EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

Symbol	Description
M	FLOOR MOUNTED MICROPHONE OUTLET
SP	CEILING MOUNTED SPEAKER
SP	WALL MOUNTED SPEAKER

HEALTHCARE
(PROVIDE 1"EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

Symbol	Description
D	DOCTOR'S DICTATION
	NURSE CALL SYSTEM EMERGENCY CALL-IN STATION
	NURSE CALL SYSTEM BEDSIDE PATIENT STATION
S	NURSE CALL SYSTEM STAFF STATION
N	NURSE CALL SYSTEM CORRIDOR DOME LIGHT
B	NURSE CALL SYSTEM CODE BLUE STATION

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE AHJ.
2. THE WORDS "PROVIDE" AND "PROVIDED" AS USED HEREIN SHALL BE UNDERSTOOD TO MEAN, "PROVIDE COMPLETE IN PLACE," THAT IS "FURNISH AND INSTALL". EQUIPMENT AND MATERIAL INDICATED TO BE PROVIDED SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE OF THE MOST SUITABLE GRADE FOR THE PURPOSE INTENDED.
3. ROUTE NEW CONDUIT AND WIRING CONCEALED IN WALLS AND CEILING WHERE POSSIBLE. COORDINATE INSTALLATION OF EXPOSED CONDUIT AND WIRING WITH THE ARCHITECT.
4. CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO NEW HVAC UNITS AS FURNISHED BY THE MECHANICAL CONTRACTOR. VERIFY THE EXACT ELECTRICAL REQUIREMENTS WITH THE REVIEWED HVAC SUBMITTALS PRIOR TO ORDERING ELECTRICAL EQUIPMENT.
5. BEFORE INSTALLATION, CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, SUPPORTS, ETC.
6. CONTRACTOR IS RESPONSIBLE FOR OVER-CURRENT PROTECTIVE DEVICE SHORT CIRCUIT, COORDINATION, AND ARC-FLASH STUDIES.
7. MATERIALS AND MANUFACTURERS NOTED ON DRAWINGS ARE TO BE USED AS BASIS OF DESIGN TO ESTABLISH QUALITY AND PERFORMANCE STANDARDS AND SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE CONSIDERED WHERE SUFFICIENT PRODUCT INFORMATION IS PROVIDED TO MAKE A PROPER EVALUATION. REVIEW OF A SUBSTITUTION IS AT THE SOLE DISCRETION OF THE PROFESSIONAL.
8. THE CONTRACTOR SHALL SUBMIT COPIES OF THE PRODUCT DATA, SHOP DRAWINGS, ETC. OF ALL MATERIALS NOTED ON THE DRAWINGS. ALL SUBMITTED PRODUCT DATA, SHOP DRAWINGS, ETC. SHALL BE MARKED WITH THE NAME OF THE PROJECT AND SHALL BEAR THE STAMP OF APPROVAL OF THE CONTRACTOR AS EVIDENCE THAT THE MATERIAL HAS BEEN CHECKED BY THE CONTRACTOR.
9. DRAWINGS SPECIFIC TO THIS TRADE DO NOT LIMIT THE RESPONSIBILITY OR WORK REQUIRED BY THE CONTRACT DOCUMENTS. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR COMPLETE INFORMATION PRIOR TO BID.
10. WHERE CONFLICTS EXIST AMONG DRAWINGS, SPECIFICATIONS, AND EQUIPMENT SCHEDULES, THE MOST STRINGENT REQUIREMENT OR QUANTITY SHALL APPLY. NOTIFY THE ARCHITECT/ENGINEER OF ALL CONFLICTS FOR RESOLUTION OR INTERPRETATION.
11. NO EQUIPMENT SHALL BE ORDERED OR INSTALLED UNTIL THE PROJECT ENGINEER HAS RECEIVED A COPY STAMPED "NO EXCEPTIONS TAKEN." "NO EXCEPTIONS TAKEN" DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE CONTRACT, EXTEND TO QUANTITIES OR DIMENSIONS, IMPLY THAT THE EQUIPMENT CAN BE INSTALLED OR OPERATE SATISFACTORILY, THAT THE EQUIPMENT CONTAINS ALL NECESSARY COMPONENTS, OR THAT IT WILL COORDINATE WITH OTHER REVIEWED ITEMS.
12. OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
13. COORDINATE INSTALLATION OF NEW ITEMS AND EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL INCUR ALL COSTS ASSOCIATED WITH THE RELOCATION OF EQUIPMENT CONFLICTING WITH NEW WORK BY OTHER TRADES THAT HAS NOT BEEN COORDINATED.
14. COORDINATE ALL ASPECTS OF NEW SERVICE WITH UTILITY COMPANY AND INCLUDE ALL COSTS IN BID.
15. WARNING TAPE SHALL BE INSTALLED 12 TO 18 INCHES BELOW GRADE OVER ALL CONDUITS.
16. PROVIDE 1/4" MINIMUM DIAMETER PULL ROPE. PULL ROPE SHALL NOT BE NYLON STRING.
17. FOR SERVICE ENTRANCE CONDUITS, UTILIZE LONG RADIUS (36") CONDUIT BENDS.
18. ALL CONDUIT RISERS FROM UNDERGROUND SHALL HAVE RIGID METAL ELLS AND RISERS.
19. PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THIS PROJECT.
20. SET SCREW CONDUIT FITTINGS SHALL NOT BE PERMITTED.
21. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE.

LIGHTING GENERAL NOTES

1. VERIFY THE EXACT LOCATION OF ALL LIGHTING SWITCHES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2. VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.
3. VERIFY THE EXACT LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS WITH THE MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION FOR MAXIMUM PERFORMANCE.
4. EMERGENCY FIXTURES AND EXIT FIXTURES SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT. BRANCH CIRCUIT WIRING TO EXIT FIXTURES AND TO BATTERY INVERTERS WITHIN FIXTURES WITH INTEGRAL BATTERY UNITS SHALL BE UNSWITCHED, CONNECTED AHEAD OF ANY CONTROL SWITCHING.
5. WALL MOUNT TYPE "Z" FIXTURES ABOVE DOOR AS SHOWN ON DRAWINGS. COORDINATE WITH THE ARCHITECT PRIOR TO ROUGH-IN.
6. MOUNT TYPE "EM" FIXTURES 8'-0" AFF UNLESS OTHERWISE NOTED.
7. VERIFY THE CEILING TYPES FOR ALL LIGHT FIXTURES TO BE FLUSH MOUNTED OR SUSPENDED AND ADJUST FIXTURE MOUNTING TYPES IN ACCORDANCE WITH THE CEILING TYPE, AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE.
8. ALL VANITY FIXTURES SHALL BE MOUNTED WITH 0'-3" OF SPACE BETWEEN THE BOTTOM OF THE FIXTURE AND THE TOP OF THE MIRROR UNLESS OTHERWISE NOTED.
9. VERIFY THE EXACT MOUNTING LOCATION FOR ANY PHOTOELECTRIC CELLS WITH THE ARCHITECT PRIOR TO ROUGH-IN. ALL PHOTOELECTRIC CELLS MUST FACE NORTH.
10. CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL DEVICES/SWITCHES/DIMMERS WITH LIGHTING FIXTURES AND BALLASTS/DRIVERS PRIOR TO SUBMITTAL.
11. COORDINATE LOCATION OF LIGHT FIXTURES IN MECHANICAL ROOMS WITH DIVISION 15/23 PLANNED EQUIPMENT LOCATION AND DUCT INSTALLATION. WALL MOUNT LIGHTS OR PROVIDE PENDANT MOUNTING AS REQUIRED TO ILLUMINATE THE SPACE.
12. WHERE MULTIPLE OCCUPANCY SENSORS ARE SHOWN IN THE SAME AREA, MOTION DETECTION BY ONE SENSOR SHALL ILLUMINATE ALL LIGHTING IN THE RESPECTIVE AREA.

TELECOMMUNICATIONS GENERAL NOTES

1. PROVIDE 1" CONDUIT AND TWO (2) CAT 6 CABLES AT EACH DATA OUTLET SHOWN. ROUTE TO ABOVE CEILING AND ROUTE TO TELEPHONE BACKBOARD IN IT ROOM. TERMINATE AND CONNECT STATION CABLES TO PATCH PANEL, FOLLOWING THE OWNER'S LABELING CONVENTIONS FOR ALL HORIZONTAL CABLING.
2. OWNER SHALL PROVIDE THE WALL MOUNT DATA RACK, ALL ITEMS INCLUDED IN THE DATA RACK, AND ANY NECESSARY TELEPHONE EQUIPMENT.
3. PLYWOOD FOR BACKBOARDS SHALL BE 0'-1" AC INDOOR GRADE, FIRE RETARDANT, AND PAINTED AS SPECIFIED.
4. COMMON BOND RACKS, PATCH PANELS, CABLE SHIELDS, PROTECTORS, AND THE BUILDING MAIN ELECTRICAL GROUNDING CONDUCTORS SHALL BE, AT MINIMUM, #6 AWG INSULATED AND STRANDED COPPER. FASTENERS SHALL BE RECESSED AND ANCHORED.
5. SUBMIT DIGITAL PHOTOGRAPHS OF ALL TERMINATIONS TO MAIN ELECTRICAL SERVICE GROUNDING MEANS.
6. ALL BACKBOARDS SHALL BE EQUIPPED WITH D-RINGS SPACED AT 1'-0" APART AROUND ALL EDGES OF THE PLYWOOD TO SUPPORT CABLE AND WIRE.
7. CAT 6 CABLES FOR DATA OUTLETS SHALL HAVE BLUE JACKETS AND CAT 6 CABLES FOR VOICE OUTLETS SHALL HAVE WHITE JACKETS.

SPECIAL SYSTEMS GENERAL NOTES

1. VERIFY EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ELECTRICAL GEAR.
2. INTERCONNECT THE HOOD EXHAUST AND SUPPLY FANS WITH HOOD EXTINGUISHING SYSTEM SUCH THAT WHEN HOOD EXTINGUISHING SYSTEM IS ACTIVATED, THE EQUIPMENT BELOW THE HOOD AND HOOD SUPPLY FAN ARE DE-ENERGIZED AND THE HOOD EXHAUST FAN WILL START IF NOT RUNNING.
3. INTERCONNECT THE HOOD EXTINGUISHING SYSTEM WITH THE FIRE ALARM SYSTEM IF APPLICABLE.
4. FOR ALL CAMERA LOCATIONS, PROVIDE ONE (1) GREEN JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
5. FOR ALL WIRELESS ACCESS POINT LOCATIONS, PROVIDE ONE (1) YELLOW JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
6. PROVIDE AN ADDITIONAL 10%, OR ONE (1), WHICHEVER IS GREATER, OF THE FOLLOWING DEVICES WHICH ARE INCLUDED IN THE PROJECT, AND INSTALL THEM AT THE DIRECTION OF THE ARCHITECT, ENGINEER, OR AHJ DURING THE COURSE OF THE PROJECT. PROVIDE ALL REQUIRED CONDUIT, INTERCONNECTIONS, CONDUCTORS, PROGRAMMING, ETC. AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER: INITIATING DEVICES (PULL STATIONS, SMOKE DETECTORS, THERMAL DETECTORS, ETC.), NOTIFICATION APPLIANCES (STROBES, HORN STROBES, SPEAKER STROBES, SPEAKERS, DUCT DETECTORS, ETC.), AND MONITORING MODULES.
7. VERIFY REQUIRED QUANTITY OF DUCT DETECTORS WITH DUCTWORK CONFIGURATION AS IT IS ACTUALLY INSTALLED. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

DEMOLITION GENERAL NOTES

1. THE LOCATIONS OF EXISTING CIRCUITS AND EQUIPMENT ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND WIRING BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSE BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING PORTIONS OF THE ELECTRICAL SYSTEMS.
2. THE CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.
3. ALL EQUIPMENT REMOVED THAT IS NOT BEING REUSED SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF AS REQUIRED.
4. EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT, SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER ELECTRICAL WORK OR MATERIAL RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED. OLD, UNUSED WIRING AND DEVICES SHALL BE REMOVED FROM THE ABANDONED (CONCEALED) CONDUITS. OUTLETS SHALL BE PROVIDED WITH BLANK COVERS. ANY CONDUITS STUBBED OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
5. WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONTINUED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH THE WORK INDICATED ON THE CONTRACT DRAWINGS AS SPECIFIED.
6. WHERE EXISTING RACEWAYS THAT ARE NOT TO BE REUSED INTERFERE WITH NEW WORK, THESE RACEWAYS SHALL BE REMOVED BACK TO THE NEAREST JUNCTION BOX OR PULL BOX AND THE OPENINGS BLANKED.
7. CONTRACTOR SHALL MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING DEMOLISHED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING DEMOLISHED SHALL BE REMOVED AS FAR AS PRACTICABLE.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND DATA WIRING NOT REUSED OR NOT NECESSARY FOR THE COMPLETION OF THIS PROJECT.
9. IF ANY BRANCH CIRCUIT WIRING FEEDING EQUIPMENT TO REMAIN IN PLACE FOR REUSE IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE NEW BRANCH CIRCUIT WIRING OF THE SAME SIZE AND TYPE AS THAT OF THE EXISTING AT NO COST TO THE OWNER.
10. EXISTING DEVICES ARE SHOWN IN GRAY. CONDUIT AND WIRING ARE NOT GENERALLY SHOWN AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL DEMOLITION WORK AND CLARIFICATION OF INDICATED WORK WILL BE GIVEN BY RFI.
11. COORDINATE THE REMOVAL AND REINSTALLATION (OR PROTECTION IN PLACE) OF EXISTING ELECTRICAL EQUIPMENT AND DEVICES WITH THE WORK OF OTHER TRADES TO REPLACE OR REFINISH EXISTING WALLS AND CEILINGS.
12. WHERE EXISTING CIRCUITS ARE BEING REMOVED IN EXISTING PANELS, PROVIDE A NEW, NEATLY TYPED DIRECTORY WHICH INDICATES WHERE "SPARE" BREAKERS ARE LOCATED. ANY EXISTING BREAKERS THAT ARE NOT FEEDING DEVICES SHALL REMAIN AND BE LABELED AS A "SPARE."
13. WHERE NEW LOADS ARE CONNECTED TO EXISTING PANELS, AND WHERE LOADS ARE REARRANGED IN EXISTING PANELS AS PART OF THIS PROJECT, UPDATE THE RESPECTIVE PANEL DIRECTORY SO AS TO PROVIDE A COMPLETE, ACCURATE, AND TYPEWRITTTEN PANEL SCHEDULE. THE NEW PANEL SCHEDULE SHALL INCORPORATE ALL EXISTING LOADS, INCLUDING LOADS "EXISTING TO REMAIN". PROVIDE ALL REQUIRED TESTING AND INVESTIGATIONS NECESSARY TO ACCOMPLISH THIS WORK.

LIGHTING CONTROL REQUIREMENTS

1. INFORMATION EXCERPTS WITH NUMERICAL NOTATIONS (E.G. C405.X.X) ARE TAKEN FROM IECC 2021 UNLESS NOTED OTHERWISE.
2. LIGHTING PLANS DO NOT INDICATE CONTROL INTERCONNECTIONS BETWEEN POWER PACKS, OCCUPANCY SENSORS, LIGHTING SWITCHES, DAYLIGHT SENSORS, ETC. UNLESS NECESSARY TO IDENTIFY HOW MULTIPLE SWITCHES ARE INTERFACED IN AN AREA. CONTRACTOR SHALL PROVIDE DRAWING(S) FROM LIGHTING CONTROLS SUPPLIER TO INDICATE THAT CONTROL REQUIREMENTS OF IECC 2021 ARE MET.
3. LIGHTING CONTROL GENERAL REQUIREMENTS:
   - A. C405.2.1 OCCUPANT SENSOR CONTROLS REQUIRED IN THE FOLLOWING SPACES:
     - a. HALLS/ENTRY/LOBBIES.
     - b. RESTROOMS.
     - c. STORAGE/CLOSETS.
   - B. C405.2.2 TIME-SWITCH CONTROLS NOT REQUIRED DUE TO OCCUPANT SENSOR CONTROL REQUIREMENTS IN C405.2.1.
   - C. C405.2.7.3.1 EXTERIOR LIGHTING SHALL BE CONTROLLED SUCH THAT LIGHTING IS AUTOMATICALLY REDUCED BY NOT LESS THAN 50 PERCENT BY DIMMING LUMINAIRES:
     - a. FROM NOT LATER THAN MIDNIGHT TO NOT EARLIER THAN 6AM.
     - b. FROM NOT LATER THAN ONE (1) HOUR AFTER BUSINESS CLOSING TO NOT EARLIER THAN ONE (1) HOUR EARLIER BEFORE BUSINESS OPENING.
     - c. DURING ANY TIME WHERE ACTIVITY HAS NOT BEEN DETECTED FOR 15 MINUTES OR MORE.

INDEX - ELECTRICAL SHEETS	
E001	ELECTRICAL COVER SHEET
E100	ELECTRICAL SITE PLAN
E101	POWER PLAN
E200	LIGHTING PLAN
E201	LIGHTING PLAN
E300	SPECIAL SYSTEM
E400	ELECTRICAL RISER DIAGRAMS
E500	ELECTRICAL SCHEDULES
E600	ELECTRICAL DETAILS
E601	ELECTRICAL DETAILS
E602	ELECTRICAL DETAILS

ABBREVIATIONS

A	AMPERE(S)	CATV	CABLE TELEVISION	EF	EXHAUST FAN	FOC	FIBER OPTIC CABLE
AC	ABOVE COUNTER (6" ABOVE BACKSPLASH)	CB	CIRCUIT BREAKER	EGC	EQUIPMENT GROUNDING CONDUCTOR	G, GND	GROUND
AF	AMPERE(S) FUSED	CKT	CIRCUIT	EMER.	EMERGENCY	GEC	GROUNDING ELECTRODE CONDUCTOR
AFCI	ARC FAULT CIRCUIT INTERRUPTER	CLG	CLG	EMT	ELECTRICAL METALLIC TUBING	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR	CORR	CORRIDOR	EQ	EQUAL	GRS	GALVANIZED RIGID STEEL
AFG	ABOVE FINISHED GRADE	CT	CURRENT TRANSFORMER	EQUIP.	EQUIPMENT	HH	HANDHOLE
AIC	AMP SYMMETRICAL INTERRUPTING CAPACITY RMS	CTRL	CONTROLLER	EWC	ELECTRIC WATER COOLER	HP	HORSEPOWER
AT	AMPERE(S) TRIP	D	TO BE DEMOLISHED	EWH	ELECTRIC WATER HEATER	KAIC	1,000 AMP SYMMETRICAL INTERRUPTING CAPACITY RMS
AWG	AMERICAN WIRE GAUGE	DISC.	DISCONNECT	EXIST.	EXISTING	KWH	1,000 WATT HOURS
BG	BELOW GRADE	DIST.	DISTRIBUTION	FACP	FIRE ALARM CONTROL PANEL	KVA	1,000 VOLT AMPERES
BLDG	BUILDING	DWG	DRAWING	FACPRA	FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATOR	LAN	LOCAL AREA NETWORK
BKR	BREAKER	E	EXISTING TO REMAIN	FC	FOOTCANDLE	LC	LIGHTING CONTACTOR
C	CONDUIT	EC	EMPTY CONDUIT	FCU	FAN COIL UNIT	LTG	LIGHTING
CAT	CATEGORY	ECB	ENCLOSED CIRCUIT BREAKER	FLA	FULL LOAD AMPERE(S)	MCA	MINIMUM CIRCUIT AMPACITY

MCB	MAIN CIRCUIT BREAKER	NO	NORMALLY OPEN	SF	SUPPLY FAN	UGS	UNDERGROUND SECONDARY
MCM/KCMIL	1,000 CIRCULAR MILS	NU	WEATHERPROOF IN-USE COVER	S/N	SOLID NEUTRAL	UH	UNIT HEATER
MECH.	MECHANICAL	OH	OVERHEAD	SPD	SURGE PROTECTIVE DEVICE	UL	UNDERWRITER'S LABORATORY, INC.
MH	MANHOLE	OHE	OVERHEAD ELECTRICAL	STD	STANDARD	UON	UNLESS OTHERWISE NOTED
MLO	MAIN LUGS ONLY	OSP	OUTSIDE PLANT	TEL	TELEPHONE	V	VOLTS
MOCP	MAXIMUM OVERCURRENT PROTECTION	UPP	UTILITY POWER POLE	TELECOM	TELECOMMUNICATIONS	VAC	VOLTS ALTERNATING CURRENT
MTD	MOUNTED	PB	PULL BOX	TGB	TELECOMMUNICATIONS GROUND BUS	VDC	VOLTS DIRECT CURRENT
MTG	MOUNTING	PH	PHASE	TMGB	TELECOMMUNICATIONS MAIN GROUND BUS	VFD	VARIABLE FREQUENCY DRIVE
NC	NORMALLY CLOSED	PNL	PANEL	TTB	TELECOM TERMINAL BOARD	WH	WATER HEATER
NEC	NATIONAL ELECTRICAL CODE	PV	PHOTOVOLTAIC	TV	TELEVISION	WP	WEATHERPROOF
NEU	NEUTRAL	PVC	POLYVINYL CHLORIDE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION	XFMR	TRANSFORMER
NF	NON-FUSED	QTY	QUANTITY	TYP.	TYPICAL		
NIC	NOT IN CONTRACT	RCPT	RECEPTACLE	UG	UNDERGROUND		
NL	NIGHT LIGHT	REQ'D	REQUIRED	UGP	UNDERGROUND PRIMARY		

ALL SYMBOLS, ABBREVIATIONS, AND NOTES ABOVE ARE TYPICAL AND ARE NOT NECESSARILY USED IN THESE CONSTRUCTION DOCUMENTS

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — MICHAEL LEE TERRY, III — LICENSE NO. 42812 — PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING — 09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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E001

ELECTRICAL COVER SHEET

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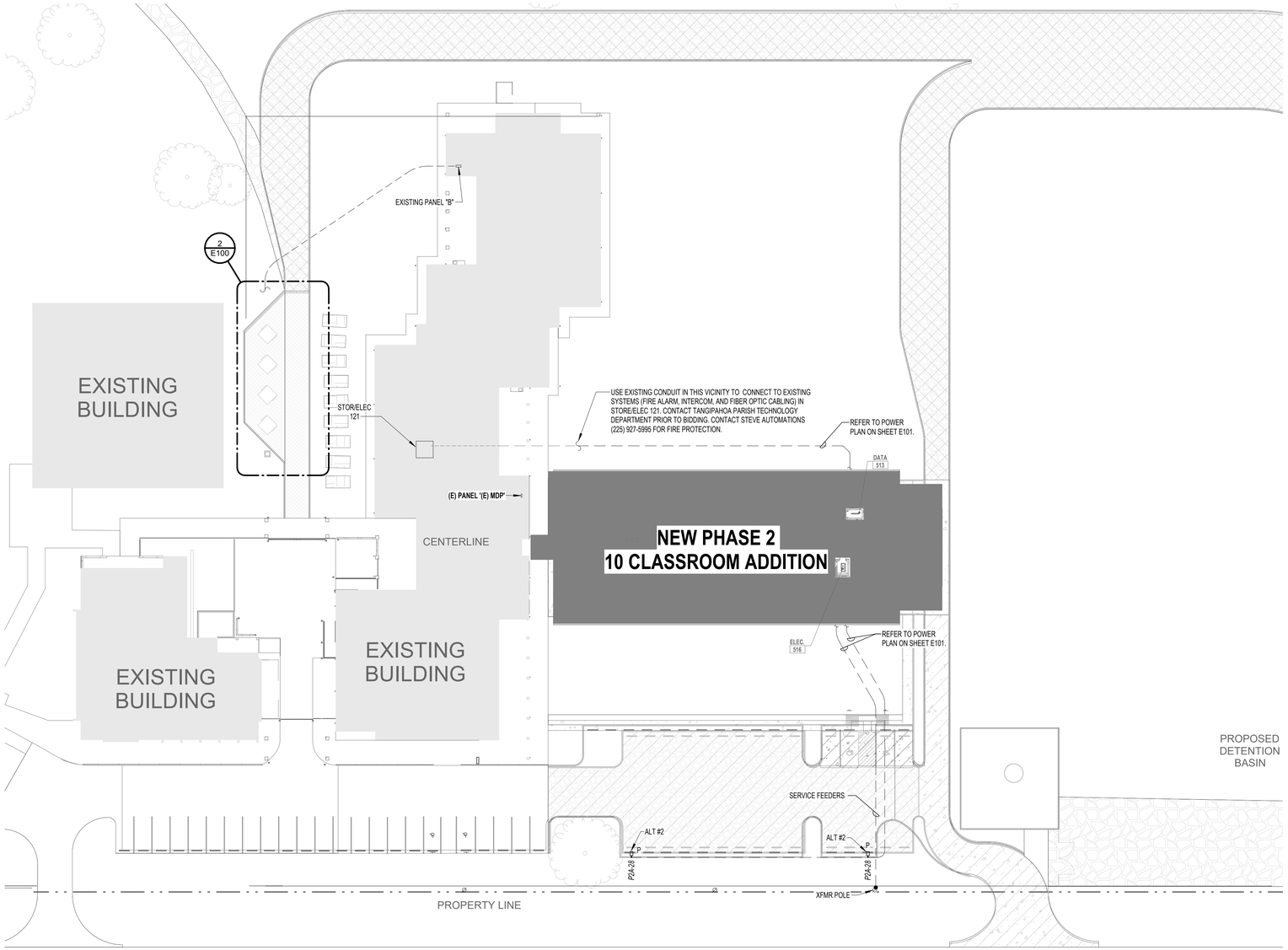
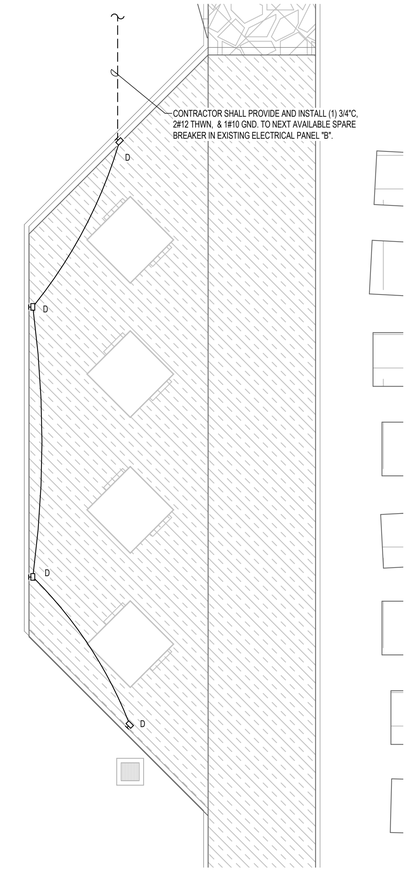


LA-445

1 ELECTRICAL SITE PLAN
1" = 30'-0"



2 ENLARGED ELECTRICAL PLAN - DUMPSTER
1/8" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — MICHAEL LEE PERRY III — LICENSED PROFESSIONAL ENGINEER — 09/15/2026

NO.	DESCRIPTION	DATE

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QUALITY CONTROL	SG/MT

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E100
ELECTRICAL SITE PLAN

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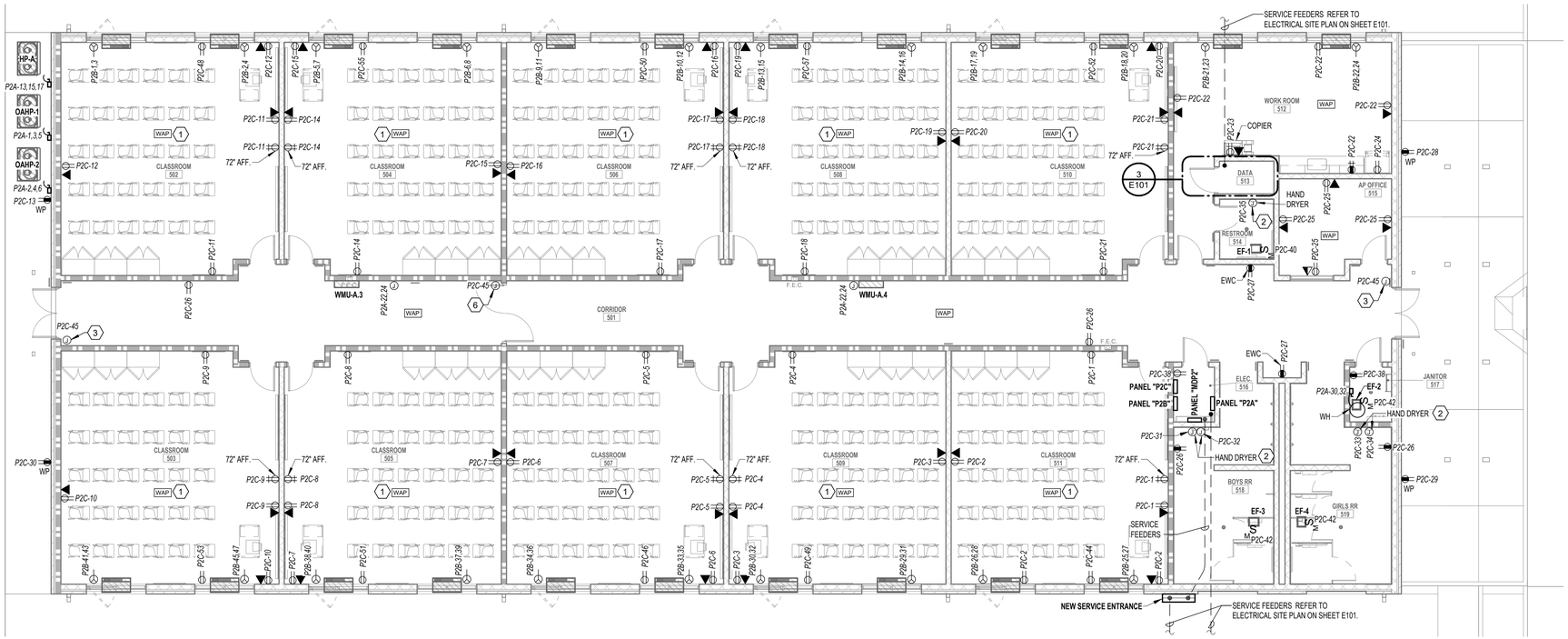
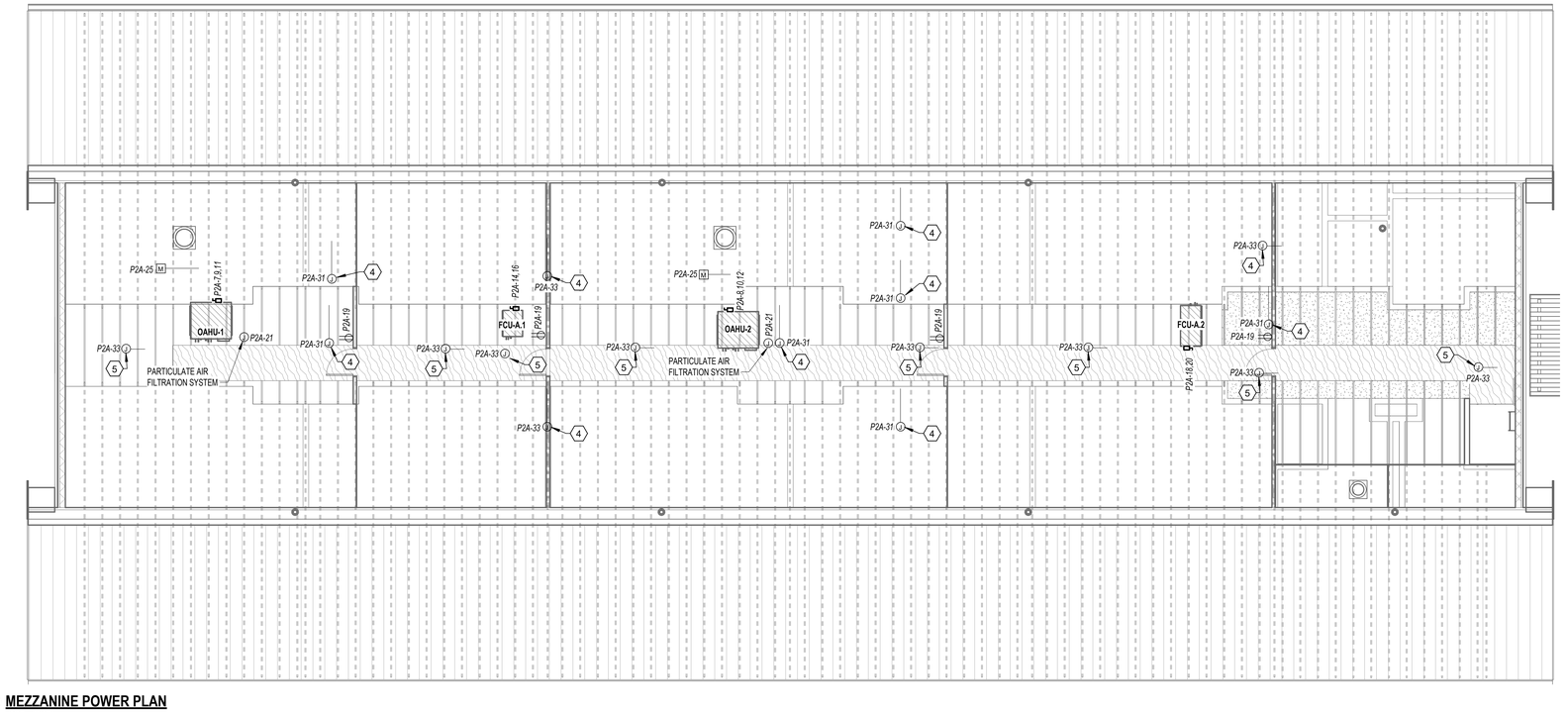


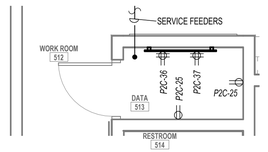
1 POWER PLAN
1/8" = 1'-0"

POWER KEYNOTES:

1. ROUTE YELLOW CAT 6 DATA CABLE FROM WIRELESS ACCESS POINT TO DATA ROOM AND TERMINATE ON PATCH PANEL. COIL 10' SLACK CABLE IN CLASSROOM AND TERMINATE ONTO JACK.
2. LOCATE JUNCTION BOX AT 48" AFF FOR HAND DRYER.
3. INSTALL AND PROVIDE 1/2"C, 2#12 THWN, & 1#12 GND FROM ELECTRICAL PANEL "P2C" TO POWER DOOR ACCESS DEVICES. REFER TO DETAIL #1 ON SHEET E600.
4. CONNECT SMOKE DAMPER TO FIRE ALARM SYSTEM. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
5. CONNECT CEILING TYPE COMBINATIONS FIRE / SMOKE DAMPER TO FIRE ALARM SYSTEM. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
6. INSTALL AND PROVIDE 1/2"C, 2#12 THWN, & 1#12 GND FROM ELECTRICAL PANEL "P2C" TO POWER DOOR ACCESS DEVICES.



2 MEZZANINE POWER PLAN
1/8" = 1'-0"



3 ENLARGED POWER PLAN - DATA RM 513
1/4" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — MICHAEL THOMAS GARRY III — 32019 — REGISTERED PROFESSIONAL ENGINEER — 09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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POWER PLAN

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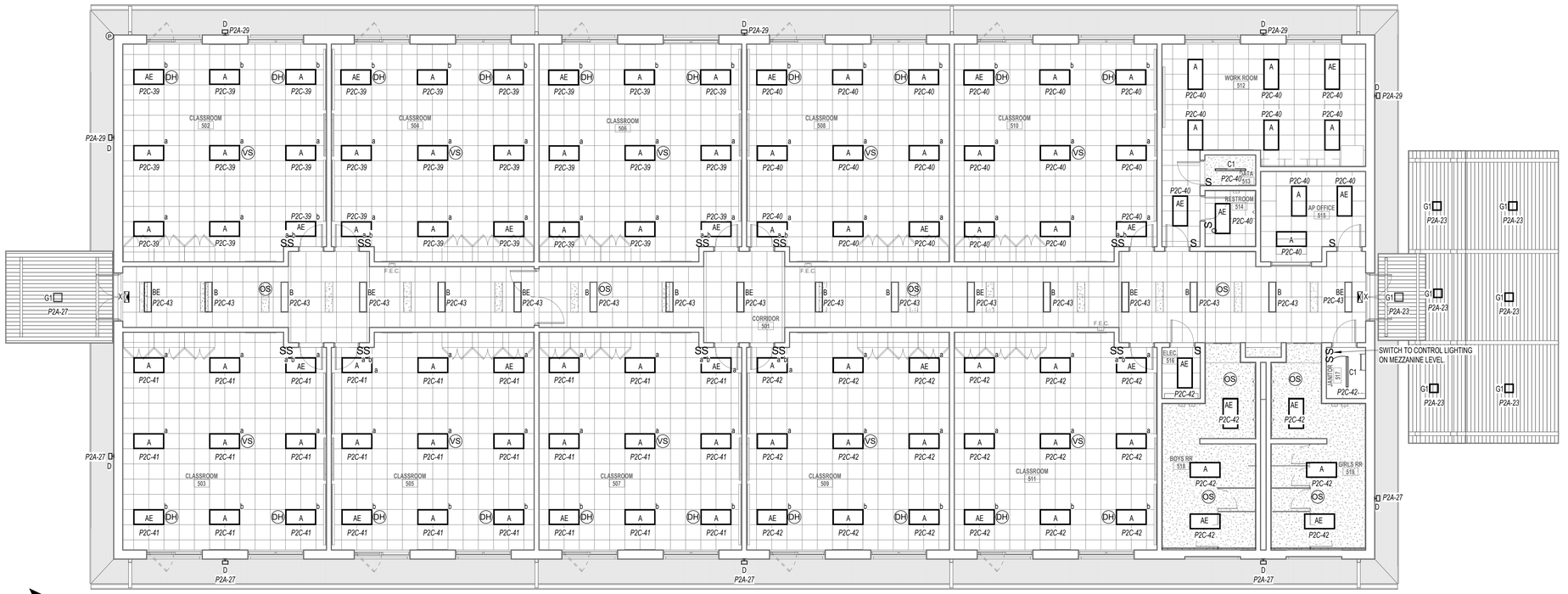
SCHEDULE - LIGHTING FIXTURES

NOTES:
** FINISH TO BE SELECTED BY ARCHITECT

MARK	DESCRIPTION	LAMPS	VOLTS	LOAD	TEMP.	LUMENS	MOUNTING	BASIS OF DESIGN		ACCEPTABLE ALTERNATIVE		COUNT
								MANUFACTURER	CATALOG NO.	MANUFACTURER	CATALOG NO.	
A	2'X4' FULLY SWITCHABLE FLAT PANEL	LED	120V	47 VA	40K	6071	RECESSED	WILLIAMS	BP-24-LS-8CS-DIM-UNV_50W_4000K_	LITHONIA	CPANL-2X4-ALO6-SWW7-M2	79
AE	2'X4' FULLY SWITCHABLE FLAT PANEL W/ BACK UP BATTERY	LED	120V	47 VA	40K	6071	RECESSED	WILLIAMS	BP-24-LS-8CS-DIM-UNV_50W_4000K_EM/8W	LITHONIA	CPANL-2X4-ALO6-SWW7-M2-ELA	29
B	1'X4' FULLY SWITCHABLE FLAT PANEL	LED	120V	30 VA	40K	3700	RECESSED	WILLIAMS	BP-14-LS-8CS-DIM-UNV_30W_4000K_	LITHONIA	CPANL-1X4-ALO1-SWW7-M4	10
BE	1'X4' FULLY SWITCHABLE FLAT PANEL W/ BACK UP BATERY	LED	120V	30 VA	40K	3500	RECESSED	WILLIAMS	BP-14-LS-8CS-DIM-UNV_30W_4000K_EM/8W	LITHONIA	CPANL-1X4-ALO1-SWW7-M4-ELA	7
C1	4' LED STRIP LIGHT WITH SEMI-FROSTED LENS. PROVIDE SUSPENSION HARDWARE AS REQUIRED.	LED	120V	33 VA	40K	5000	SURFACE	WILLIAMS	76R-4-L50-840-DIM-UNV	LITHONIA	ZL1D-48-SMR-5000ML-FST-MVOLT-40K-80CRI-**	11
C2	4' LED STRIP LIGHT WITH SEMI-FROSTED LENS. PROVIDE SUSPENSION HARDWARE AS REQUIRED.	LED	120V	33 VA	40K	5000	SURFACE	WILLIAMS	75R-4-L50-840-DIM-UNV-EM/10WLP	LITHONIA	ZL1D-48-SMR-5000ML-FST-MVOLT-40K-80CRI-E10W-**	1
D	ARCHITECTURAL LED WALL PACK	LED	120V	30 VA	50K	2000	WALL	WILLIAMS	WPTZS L20 7 50 DIM UNV	LITHONIA	WDGE2 LED-P2-40K-80CRI-T1S-MVOLT-SRM-AWS	14
G1	1'X1' FULLY SWITCHABLE FLAT PANEL	LED	120V	30 VA	40K	3700	RECESSED	CURRENT	ECLS-01-0-T5-SM-7-40-1-1-RM-WHTE	LITHONIA	CNY-LED-ALO-SWW2-UVOLT-PE-PIR-**-M2	8
P	PARKING LOT FIXTURE @ 45° W/ 30'-0" POLE	LED	120V	143 VA	50K	7318	POLE	CURRENT	EFC1-01-1-77-7-50-A--A-K1-**-F	LITHONIA	RSXF-P1-500-AWFD-MVOLT-IS-SF--**	2
X	EXIT SIGN WITH RED LETTERS. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED.	LED	120V	1 VA	NA	NA	CEILING	WILLIAMS	EXIT-R-EM-WHT-D	HOLOPHANE	EXQM	2

LIGHTING KEYNOTES:

1. PROVIDE AND INSTALL PHOTOELECTRIC CELL FOR EXTERIOR LIGHTING CONTROLS. PHOTOELECTRIC CELL SHALL BE MOUNTED ON THE NORTH SIDE OF THE BUILDING AT THE HIGHEST AVAILABLE POINT. COORDINATE EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.



1 **1ST FLOOR LIGHTING PLAN**
1/8" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — MICHAEL PERRY III — 09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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LIGHTING PLAN

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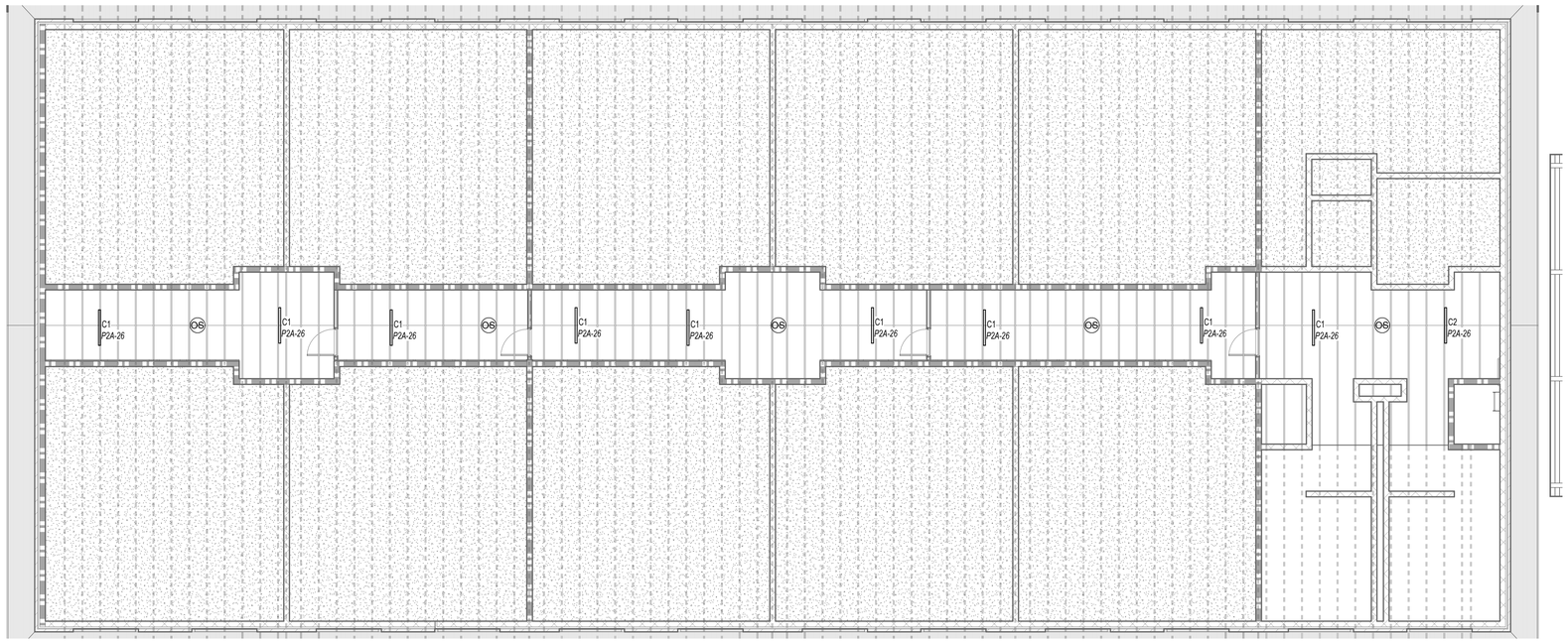

1 MEZZANINE FLOOR LIGHTING PLAN

1/8" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA
RICHARD PERRY HOLLY III
REGISTERED PROFESSIONAL ENGINEER
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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LIGHTING PLAN

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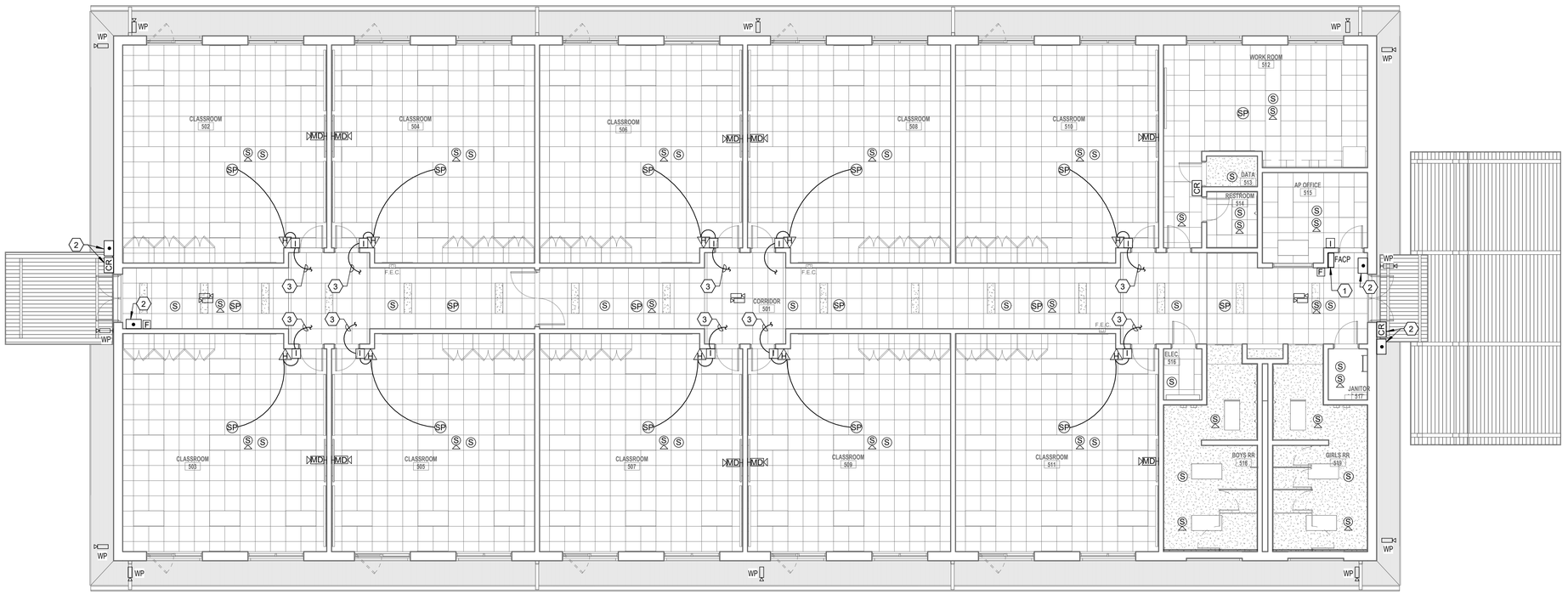
SPECIAL SYSTEMS KEYNOTES:

1. COORDINATE WITH ARCHITECT AND SCHOOL FIRE ALARM REPRESENTATIVE FOR EXACT LOCATION PRIOR TO ROUGH IN.
2. REFER TO DETAIL #1 ON SHEET E600 FOR DOOR ACCESS DETAIL.
3. PROVIDE AND INSTALL ONE (1) CAT. 5E STATION CABLE FOR CLASSROOM INTERCOM & PRIVACY HANDSET. ROUTE TO DATA ROOM 513. REFER TO DETAIL #3 ON SHEET E602.



1 SPECIAL SYSTEMS PLAN

1/8" = 1'-0"

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — MICHAEL TERRY III — LICENSED ARCHITECT — 09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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BID DOCUMENTS

E300

SPECIAL SYSTEM

PARISH ENGINEERING
1450 Seabord Drive
Baton Rouge, LA 70820
225.332.0222
parisheng.com | #26-014

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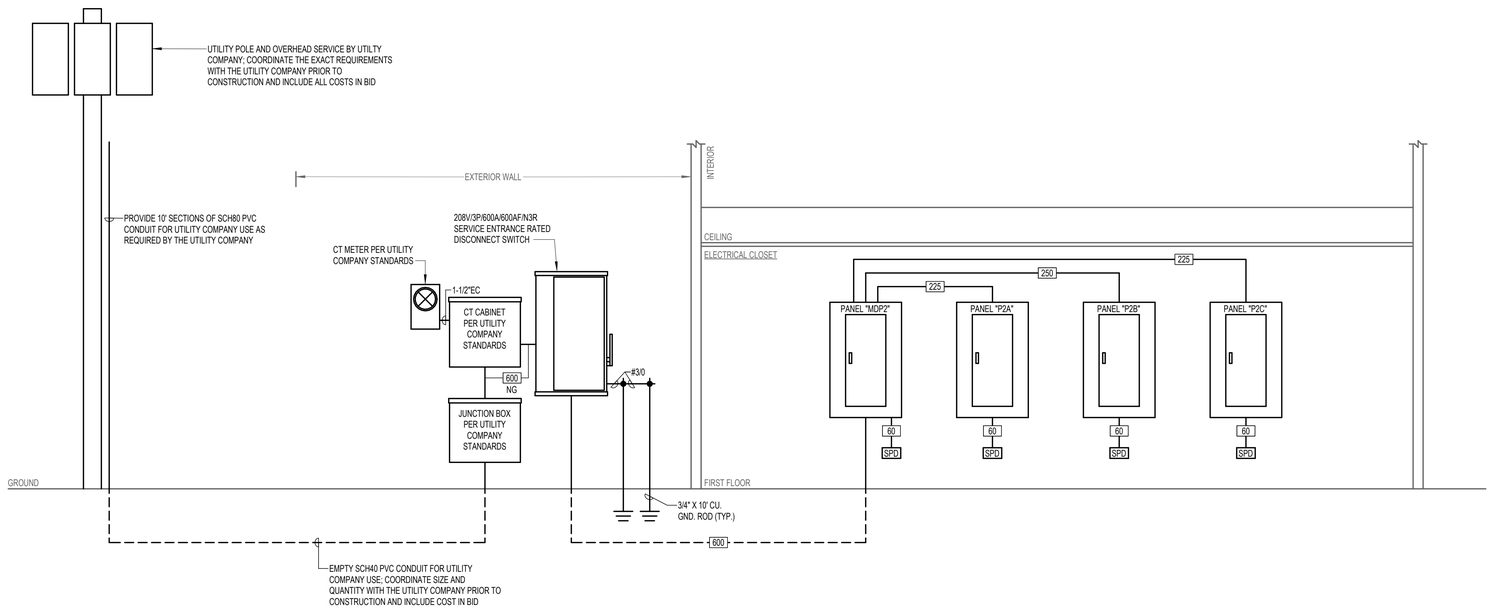
1" ½" 0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

4-WIRE FEEDER SCHEDULE			
STD. FUSE OR BKR TRIP SIZE	# OF SETS	WIRE QUANTITY AND SIZE	CONDUIT SIZE (MINIMUM)
30	1	4#10 THWN, 1#10 GND	3/4"
60	1	4#6 THWN, 1#8 GND	1-1/4"
100	1	4#3 THWN, 1#8 GND	1-1/4"
125	1	4#1 THWN, 1#6 GND	1-1/2"
150	1	4#1/0 THWN, 1#6 GND	2"
225	1	4#4/0 THWN, 1#4 GND	2"-1/2"
250	1	4#250 THWN MCM, 1#4 GND	2"-1/2"
400	2	4#3/0 THWN, 1#3 GND	2-1/2"
600	2	4#350 THWN MCM, 1#1 GND	3"
800	3	4#300 THWN MCM, 1#1/0 GND	3"

NOTES:

1. ALL FEEDER SIZES LISTED MAY NOT BE SHOWN IN POWER RISER DIAGRAM.
2. ELECTRICAL CONTRACTOR TO VERIFY SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
3. REFER TO THE LATEST EDITION OF THE NEC FOR CONDUIT TYPES REQUIRED PER THEIR TABLES.
4. ALL CONDUCTORS TO BE COPPER.
5. "VD" INDICATES WIRE UPSIZED FOR VOLTAGE DROP.
6. "NG" INDICATES NO GROUND CONDUCTOR REQUIRED.



1 POWER RISER DIAGRAM - 208V/3PH/CT
N.T.S.

1" ½" 0" ½" 1"
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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

STATE OF LOUISIANA
MICHAEL CHERRY III
LICENSED PROFESSIONAL ENGINEER
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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BID DOCUMENTS

E400
ELECTRICAL RISER DIAGRAMS

PARISH ENGINEERING
1450 Seabord Drive
Baton Rouge, LA 70820
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parisheng.com | #26-014

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9/15/2026 11:27:16 AM
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Branch Panel: P2A

Location: ELEC. 516 | **Volts:** 208Y/120 | **A.I.C. Rating:** 18,000
Supply From: MDP2 | **Phases:** 3 | **Mains Rating:** 225 A
Mounting: SURFACE | **Wires:** 4 | **M.L.O. Rating:** 225 A
Enclosure: NEMA-1
Number of Sections:
Panel Schedule Notes:

CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT
1							3.0 kVA	3.0 kVA											2
3	40 A	3	4#8	#10	3/4"	OAHP-1			3.0 kVA	3.0 kVA			OAHP-2	3/4"	#10	4#8	3	40 A	4
5											3.0 kVA	3.0 kVA							6
7							0.4 kVA	0.4 kVA											8
9	20 A	3	4#12	#12	3/4"	OAHU-1			0.4 kVA	0.4 kVA			OAHU-2	3/4"	#12	4#12	3	60 A	10
11											0.4 kVA	0.4 kVA							12
13							3.1 kVA	0.2 kVA											14
15	35 A	3	4#8	#10	3/4"	HP-A			3.1 kVA	0.2 kVA			FCU-A.1	3/4"	#12	3#12	2	20 A	16
17											3.1 kVA	0.2 kVA							18
19	20 A	1	2#12	#12	3/4"	MEZZANINE RECP	0.7 kVA	0.2 kVA					FCU-A.2	3/4"	#12	3#12	2	20 A	20
21	20 A	1	2#12	#12	3/4"	PARTICULATE AIR...			0.1 kVA	0.1 kVA									22
23	20 A	1	2#12	#12	3/4"	CANOPY LIGHTING					0.2 kVA	0.1 kVA	CORR. AC WALL MOUNTED UNITS	3/4"	#12	3#12	2	20 A	24
25	20 A	1	2#12	#12	3/4"	MEZZ O/A MOTORIZED...	0.6 kVA	0.3 kVA					MEZZANINE LIGHTING	3/4"	#12	2#12	1	20 A	26
27	20 A	1	2#12	#12	3/4"	OUTDOOR LIGHTING			0.2 kVA	0.3 kVA			PARKING LOT LIGHTING	3/4"	#12	2#10	1	20 A	28
29	20 A	1	2#12	#12	3/4"	OUTDOOR LIGHTING					0.2 kVA	3.0 kVA							30
31	20 A	1	2#12	#12	3/4"	SMOKE DAMPER	0.7 kVA	3.0 kVA					WH-1	3/4"	#10	3#8	2	40 A	32
33	20 A	1	2#12	#12	3/4"	FIRE / SMOKE DAMPER			1.1 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	34
35	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	36
37	20 A	1	--	--	--	SPARE	0.0 kVA	--					SPACE	--	--	--	1	--	38
39	--	1	--	--	--	SPACE			--	--			SPACE	--	--	--	1	--	40
41	--	1	--	--	--	SPACE					--	--	SPACE	--	--	--	1	--	42
43	--	1	--	--	--	SPACE	--	0.0 kVA											44
45	--	1	--	--	--	SPACE			--	0.0 kVA			SPD	--	--	--	3	60 A	46
47	--	1	--	--	--	SPACE					--	0.0 kVA							48
							15292 VA		11737 VA		13498 VA								
							130 A		98 A		115 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	720 VA	100.00%	720 VA		
Power	36381 VA	100.00%	36381 VA	**Total Conn. Load:**	40525 VA
Lighting	918 VA	125.00%	1147 VA	**Total Est. Demand:**	40726 VA
HVAC	2624 VA	100.00%	2624 VA	**Total Conn.:**	112 A
				Total Est. Demand:	113 A

Load Summary Notes:

Branch Panel: P2B

Location: ELEC. 516 | **Volts:** 208Y/120 | **A.I.C. Rating:** 18,000
Supply From: MDP2 | **Phases:** 3 | **Mains Rating:** 400 A
Mounting: SURFACE | **Wires:** 4 | **M.L.O. Rating:** 400 A
Enclosure: NEMA-1
Number of Sections:
Panel Schedule Notes:

CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT
1	20 A	2	3#12	#12	3/4"	PTAC-A	1.6 kVA	1.6 kVA					PTAC-A	3/4"	#12	3#12	2	20 A	2
3									1.6 kVA	1.6 kVA									4
5	20 A	2	3#12	#12	3/4"	PTAC-A					1.6 kVA	1.6 kVA	PTAC-A	3/4"	#12	3#12	2	20 A	6
7							1.6 kVA	1.6 kVA											8
9	20 A	2	3#12	#12	3/4"	PTAC-A			1.6 kVA	1.6 kVA			PTAC-A	3/4"	#12	3#12	2	20 A	10
11											1.6 kVA	1.6 kVA							12
13	20 A	2	3#12	#12	3/4"	PTAC-A	1.6 kVA	1.6 kVA					PTAC-A	3/4"	#12	3#12	2	20 A	14
15									1.6 kVA	1.6 kVA									16
17	20 A	2	3#12	#12	3/4"	PTAC-A					1.6 kVA	1.6 kVA	PTAC-A	3/4"	#12	3#12	2	20 A	18
19							1.6 kVA	1.6 kVA											20
21	20 A	2	3#12	#12	3/4"	PTAC-A			1.6 kVA	1.6 kVA			PTAC-A	3/4"	#12	3#12	2	20 A	22
23											1.6 kVA	1.6 kVA							24
25	20 A	2	3#12	#12	3/4"	PTAC-A	1.6 kVA	1.6 kVA					PTAC-A	3/4"	#12	3#12	2	20 A	26
27									1.6 kVA	1.6 kVA									28
29	20 A	2	3#12	#12	3/4"	PTAC-A					1.6 kVA	1.6 kVA	PTAC-A	3/4"	#12	3#12	2	20 A	30
31							1.6 kVA	1.6 kVA											32
33	20 A	2	3#12	#12	3/4"	PTAC-A			1.6 kVA	1.6 kVA			PTAC-A	3/4"	#12	3#12	2	20 A	34
35											1.6 kVA	1.6 kVA							36
37	20 A	2	3#12	#12	3/4"	PTAC-A	1.6 kVA	1.6 kVA					PTAC-A	3/4"	#12	3#12	2	20 A	38
39									1.6 kVA	1.6 kVA									40
41	20 A	2	3#12	#12	3/4"	PTAC-A					1.6 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	42
43							1.6 kVA	0.0 kVA											44
45	20 A	2	3#12	#12	3/4"	PTAC-A			1.6 kVA	0.0 kVA			SPD	--	--	--	3	60 A	46
47											1.6 kVA	0.0 kVA							48
							24248 VA		24248 VA		22631 VA								
							204 A		204 A		189 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	71126 VA	100.00%	71126 VA		
				Total Conn. Load:	71126 VA
				Total Est. Demand:	71126 VA
				Total Conn.:	197 A
				Total Est. Demand:	197 A

Load Summary Notes:

Branch Panel: MDP2

Location: ELEC. 516 | **Volts:** 208Y/120 | **A.I.C. Rating:** 18,000
Supply From: | **Phases:** 3 | **Mains Rating:** 600 A
Mounting: SURFACE | **Wires:** 4 | **M.C.B. Rating:** 600 A
Enclosure: NEMA-1
Number of Sections:
Panel Schedule Notes:

CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT
1							15.3 kVA	24.2 kVA											2
3	225 A	3	4#4/0	1#4	2-1/2"	PANEL "P2A"			11.7 kVA	24.2 kVA			PANEL "P2B"	2-1/2"	1#4	4#250	3	250 A	4
5											13.5 kVA	22.6 kVA							6
7							10.2 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	8
9	225 A	3	4#4/0	1#4	2-1/2"	PANEL "P2C"			14.2 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	10
11											10.8 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	12
13	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA											14
15	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPD	--	--	--	3	60 A	16
17	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA							18
							49707 VA		50233 VA		46884 VA								
							418 A		422 A		391 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	21240 VA	100.00%	21240 VA		
Power	43881 VA	100.00%	43881 VA	**Total Conn. Load:**	146823 VA
Lighting	6472 VA	125.00%	8090 VA	**Total Est. Demand:**	148437 VA
Miscellaneous	1500 VA	100.00%	1500 VA	**Total Conn.:**	408 A
HVAC	73750 VA	100.00%	73750 VA	**Total Est. Demand:**	412 A

Load Summary Notes:

Branch Panel: P2C

Location: ELEC. 516 | **Volts:** 208Y/120 | **A.I.C. Rating:** 18,000
Supply From: MDP2 | **Phases:** 3 | **Mains Rating:** 225 A
Mounting: SURFACE | **Wires:** 4 | **M.L.O. Rating:** 225 A
Enclosure: NEMA-1
Number of Sections:
Panel Schedule Notes:

CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT
1	20 A	1	2#12	#12	3/4"	511 CLASSROOM RECP	0.5 kVA	0.5 kVA					511 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	2
3	20 A	1	2#12	#12	3/4"	509 CLASSROOM RECP			0.4 kVA	0.5 kVA			509 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	4
5	20 A	1	2#12	#12	3/4"	507 CLASSROOM RECP					0.5 kVA	0.4 kVA	507 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	6
7	20 A	1	2#12	#12	3/4"	505 CLASSROOM RECP	0.4 kVA	0.5 kVA					505 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	8
9	20 A	1	2#12	#12	3/4"	503 CLASSROOM RECP			0.5 kVA	0.4 kVA			503 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	10
11	20 A	1	2#12	#12	3/4"	502 CLASSROOM RECP					0.5 kVA	0.4 kVA	502 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	12
13	20 A	1	2#12	#12	3/4"	OUTDOOR GFI RECP	0.2 kVA	0.5 kVA					504 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	14
15	20 A	1	2#12	#12	3/4"	504 CLASSROOM RECP			0.4 kVA	0.4 kVA			506 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	16
17	20 A	1	2#12	#12	3/4"	506 CLASSROOM RECP					0.5 kVA	0.5 kVA	508 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	18
19	20 A	1	2#12	#12	3/4"	508 CLASSROOM RECP	0.4 kVA	0.4 kVA					510 CLASSROOM RECP	3/4"	#12	2#12	1	20 A	20
21	20 A	1	2#12	#12	3/4"	510 CLASSROOM RECP			0.5 kVA	2.1 kVA			512 WORK RM RECP	3/4"	#12	2#12	1	20 A	22
23	20 A	1	2#12	#12	3/4"	RECP COPIER					1.6 kVA	1.2 kVA	FRIDGE	3/4"	#12	2#12	1	20 A	24
25	20 A	1	2#12	#12	3/4"	513 & 515 DATA & AP...	1.1 kVA	0.7 kVA					501, 518, & 519 RRs, CORD...	3/4"	#12	2#12	1	20 A	26
27	20 A	1	2#12	#12	3/4"	501 CORRIDOR EWC			1.0 kVA	0.2 kVA			OUTDOOR GFI RECP	3/4"	#12	2#12	1	20 A	28
29	20 A	1	2#12	#12	3/4"	OUTDOOR GFI RECP					0.2 kVA	0.2 kVA	OUTDOOR GFI RECP	3/4"	#12	2#12	1	20 A	30
31	20 A	1	2#12	#12	3/4"	518 BOYS RR-HAND DRYER	1.5 kVA	1.5 kVA					518 BOYS RR-HAND DRYER	3/4"	#12	2#12	1	20 A	32
33	20 A	1	2#12	#12	3/4"	519 GIRLS RR			1.5 kVA	1.5 kVA			519 GIRLS RR	3/4"	#12	2#12	1	20 A	34
35	20 A	1	2#12	#12	3/4"	514 RR - HAND DRYER					1.5 kVA	0.4 kVA	513 DATA - RECP	3/4"	#12	2#12	1	20 A	36
37	20 A	1	2#12	#12	3/4"	513 DATA - RECP	0.4 kVA	0.4 kVA					516, & 517 ELEC, JAN - RECP	3/4"	#12	2#12	1	20 A	38
39	20 A	1	2#12	#12	3/4"	502, 504, 506 LIGHTING			1.3 kVA	1.4 kVA			508, 510, 512, 513, 514, 515...	3/4"	#12	2#12	1	20 A	40
41	20 A	1	2#12	#12	3/4"	503, 505, 507 LIGHTING					1.3 kVA	1.2 kVA	509, 511, 516, 517, 518, 519...	3/4"	#12	2#12	1	20 A	42
43	20 A	1	2#12	#12	3/4"	501 CORRIDOR LIGHTING	0.5 kVA	0.2 kVA					511 CHARGING RECP	3/4"	#12	2#12	1	20 A	44
45	20 A	1	2#12	#12	3/4"	DOOR ACCESS DEVICES			1.5 kVA	0.2 kVA			507 CHARGING RECP	3/4"	#12	2#12	1	20 A	46
47	20 A	1	--	--	--	SPARE					0.0 kVA	0.2 kVA	502 CHARGING RECP	3/4"	#12	2#12	1	20 A	48
49	20 A	1	2#12	#12	3/4"	509 CHARGING RECP	0.2 kVA	0.2 kVA					506 CHARGING RECP	3/4"	#12	2#12	1	20 A	50
51	20 A	1	2#12	#12	3/4"	505 CHARGING RECP			0.2 kVA	0.2 kVA			510 CHARGING RECP	3/4"	#12	2#12	1	20 A	52
53	20 A	1	2#12	#12	3/4"	503 CHARGING RECP					0.2 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	54
55	20 A	1	2#12	#12	3/4"	504 CHARGING RECP	0.2 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	56
57	20 A	1	2#12	#12	3/4"	508 CHARGING RECP			0.2 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	58
59	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	60
61	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	62
63	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	64
65	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	66
67	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA											68
69	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPD	--	--	--	3	60 A	70
71	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA							72
							10170 VA		14249 VA		10755 VA								
							85 A		119 A		90 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	20520 VA	100.00%	20520 VA		
Power	7500 VA	100.00%	7500 VA	**Total Conn. Load:**	35174 VA
Lighting	5654 VA	125.00%	7068 VA	**Total Est. Demand:**	36588 VA
Miscellaneous	1500 VA	100.00%	1500 VA	**Total Conn.:**	98 A
				Total Est. Demand:	102 A

Load Summary Notes:

HOLLY & SMITH ARCHITECTS
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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION
WITH SITEWORK

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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BID DOCUMENTS

E500

ELECTRICAL SCHEDULES

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1450 Seabord Drive
Baton Rouge, LA 70820
225.332.0222
parisheng.com | #26-014

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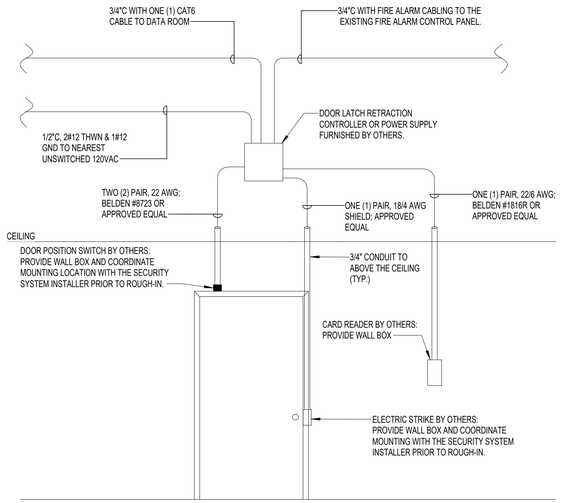
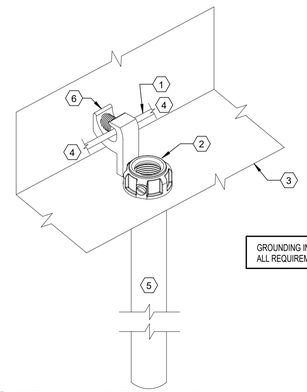
1"
½"
0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.



1 DETAIL - DOOR ACCESS
N.T.S.

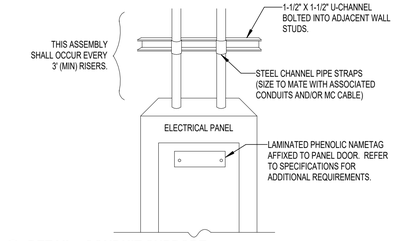


DETAIL KEYNOTES

1. SUPPLY SIDE EQUIPMENT BONDING JUMPER.
2. UL 467 LISTED GROUNDING BUSHING BY APPLETON, EATON, OR APPROVED EQUIVALENT.
3. ENCLOSURE.
4. TO ENCLOSURE GROUND BUS OR ADDITIONAL CONDUITS (AS REQUIRED).
5. INCOMING CONDUIT.
6. INTEGRAL BRACKET FOR ATTACHMENT OF BONDING JUMPER.

GROUNDING INSTALLATION SHALL MEET ALL REQUIREMENTS OF NEC 250.92.

2 DETAIL - CONDUIT GROUND BUSHING
N.T.S.



3 DETAIL - CONDUIT SUPPORT
N.T.S.

TYPICAL PANELBOARD PLAQUE

(INDICATE PANEL DESIGNATION)
__/__ VOLTS __ PHASE __ WIRE
__ AMPS MAIN __
FED FROM
(INDICATE FEEDER ORIGINATION I.D.)
(PANEL AND CIRCUIT NO.)

TYPICAL DISCONNECT PLAQUE

(INDICATE EQUIPMENT DESCRIPTION)
FUSED AT __ AMPERES
FED FROM
(INDICATE FEEDER ORIGINATION I.D.)
(PANEL AND CIRCUIT NO.)

SEE SPECIFICATIONS FOR MATERIALS, COLORS SIZE LETTERING, ETC.

ATTACH PLAQUES USING INDUSTRIAL GRADE DOUBLE FACE ADHESIVE.

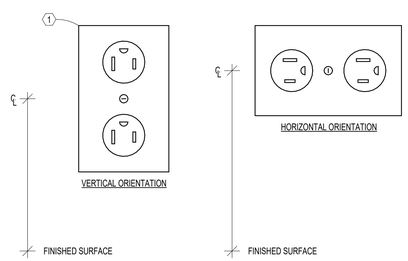
4 DETAIL - EQUIPMENT SIGNAGE
N.T.S.

NOTE:
SUBMIT DIGITAL PHOTOS OF ALL GROUNDING TERMINATIONS

5 DETAIL - GROUND ROD INSTALLATION
N.T.S.

NOTE: CONTRACTOR SHALL SUBMIT DIGITAL PHOTOGRAPHS OF ALL GROUNDING TERMINATIONS.

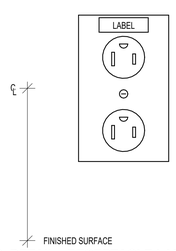
6 DETAIL - GROUNDING TO BLDG STEEL
N.T.S.



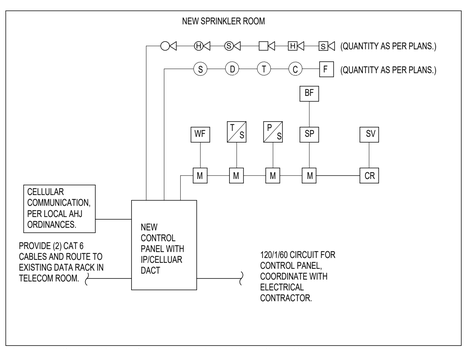
KEYNOTES

1. REFER TO SPECIFICATIONS FOR RECEPTACLE REQUIREMENTS.
2. UNLESS DENOTED OTHERWISE ON PLANS, MOUNTING HEIGHT IS FROM FINISHED SURFACE (FLOOR/GRADE/COUNTER TOP/ETC...) TO CENTERLINE OF DEVICE.

7 DETAIL - RECEPTACLE
N.T.S.



8 DETAIL - RECEPTACLE LABELING
N.T.S.



9 DETAIL - SPRINKLER/FIRE ALARM MONITORING
N.T.S.

SYMBOL SCHEDULE	
S	ADDRESSABLE SMOKE DETECTOR
M	ADDRESSABLE MONITOR MODULE.
WF	WATER FLOW SWITCH.
SP	SURGE PROTECTOR.
BF	BACKFLOW PREVENTOR.
SV	SOLENOID VALVE.
CR	CONTROL RELAY.
T/S	TAMPER SWITCH.
P/S	PRESSURE SWITCH.
	FIRE ALARM SYSTEM CEILING MOUNT STROBE.
H	FIRE ALARM SYSTEM CEILING MOUNT HORN/STROBE.
S	FIRE ALARM SYSTEM CEILING MOUNT SPEAKER/STROBE.
	FIRE ALARM SYSTEM STROBE.
H	FIRE ALARM SYSTEM HORN/STROBE.
S	FIRE ALARM SYSTEM SPEAKER/STROBE.
F	FIRE ALARM SYSTEM PULL STATION.
D	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR.
T	FIRE ALARM SYSTEM THERMAL DETECTOR.
C	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR.

SPRINKLER RISER GENERAL NOTES

1. PROVIDE AND INSTALL AN ADDRESSABLE SPRINKLER MONITORING SYSTEM WITH IP/CELLULAR COMMUNICATOR. PANEL SHALL BE LISTED FOR BOTH PRE-ACTION AND DELUGE OPERATION.
2. PROVIDE FIRST YEAR'S MONITORING AGREEMENT OR PROGRAM SYSTEM TO OWNER'S MONITORING COMPANY.
3. INSTALLATION AND CABLE SHALL MEET NFPA AND NEC CODE FOR FIRE ALARM SYSTEMS. PROVIDE AND INSTALL SURGE PROTECTION WHERE REQUIRED BY CODE.
4. CONTRACTOR SHALL PREPARE SUBMITTAL, BATTERY CALCULATIONS, AND FEE TO STATE FIRE MARSHAL REVIEW.
5. PROVIDE NECESSARY MODULE QUANTITIES PER SPRINKLER SYSTEM.
6. PROVIDE 1" CONDUIT TO SITE BACKFLOW PREVENTER LOCATION (COORDINATE IN ADVANCE) SO AS TO PROVIDE REQUIRED MONITORING.

1" ½" 0" ½" 1" The graphic scale at the bottom left corner of this drawing must measure 1"x1" otherwise all listed scales are null and void.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA · MICHAEL PERRY III · 28911 · REGISTERED PROFESSIONAL ENGINEER · ELECTRICAL ENGINEERING
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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E600

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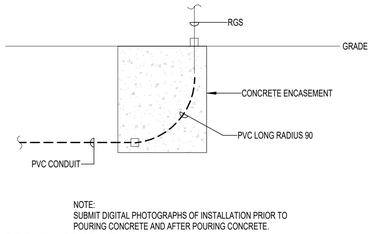
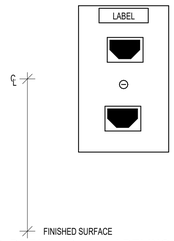
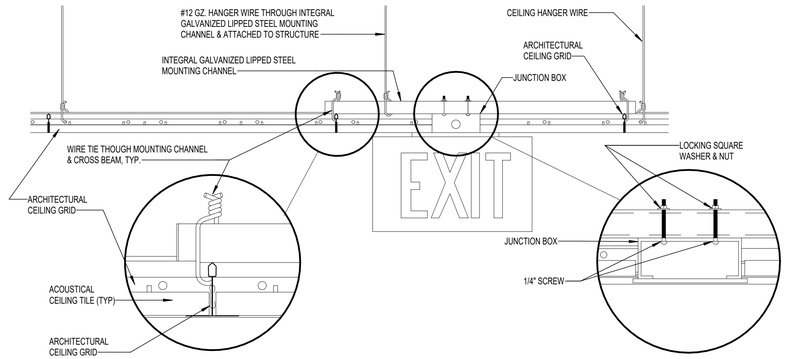


NOTE:
SUBMIT DIGITAL PHOTOGRAPHS OF INSTALLATION PRIOR TO POURING CONCRETE AND AFTER POURING CONCRETE.

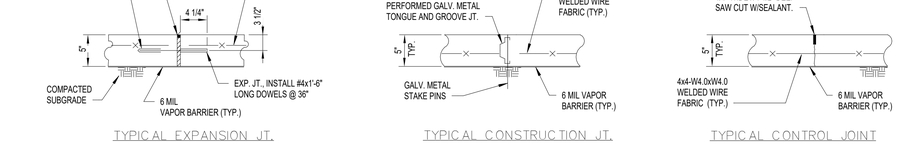
1 DETAIL - STUB-UP
N.T.S.



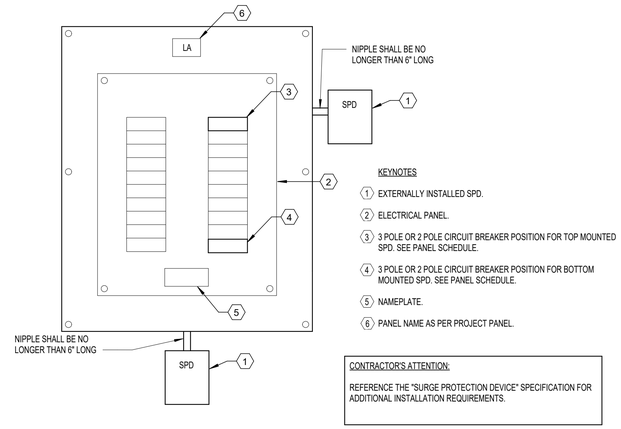
2 DETAIL - DATA LABELING
N.T.S.



3 DETAIL - EXIT SIGN MOUNTING
N.T.S.



4 DETAIL - EXPANSION, CONSTRUCTION & CONTROL JOINTS (TYP.)
N.T.S.



KEYNOTES

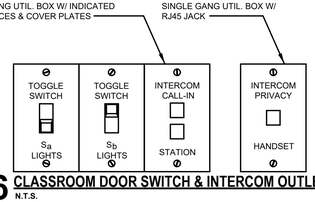
1. EXTERNALLY INSTALLED SPD.
2. ELECTRICAL PANEL.
3. 3 POLE OR 2 POLE CIRCUIT BREAKER POSITION FOR TOP MOUNTED SPD. SEE PANEL SCHEDULE.
4. 3 POLE OR 2 POLE CIRCUIT BREAKER POSITION FOR BOTTOM MOUNTED SPD. SEE PANEL SCHEDULE.
5. NAMEPLATE.
6. PANEL NAME AS PER PROJECT PANEL.

CONTRACTOR'S ATTENTION:

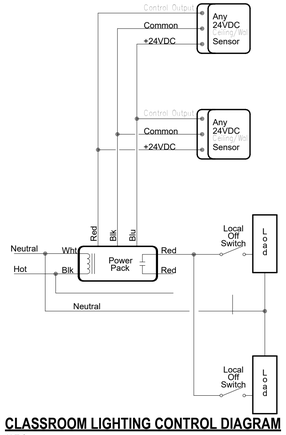
REFERENCE THE "SURGE PROTECTION DEVICE" SPECIFICATION FOR ADDITIONAL INSTALLATION REQUIREMENTS.

VERTICAL ORIENTATION

5 DETAIL - EXTERNAL SPD INSTALLATION
N.T.S.



6 CLASSROOM DOOR SWITCH & INTERCOM OUTLET DETAIL
N.T.S.



7 CLASSROOM LIGHTING CONTROL DIAGRAM
N.T.S.

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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA
MICHAEL GARRY LEVY III
09/15/2026

NO.	DESCRIPTION	DATE

PROJECT NO.	25006
PHASE	BIDDING
DATE	09.17.26
PROJECT MANAGER	AE
QUALITY CONTROL	SG/MT

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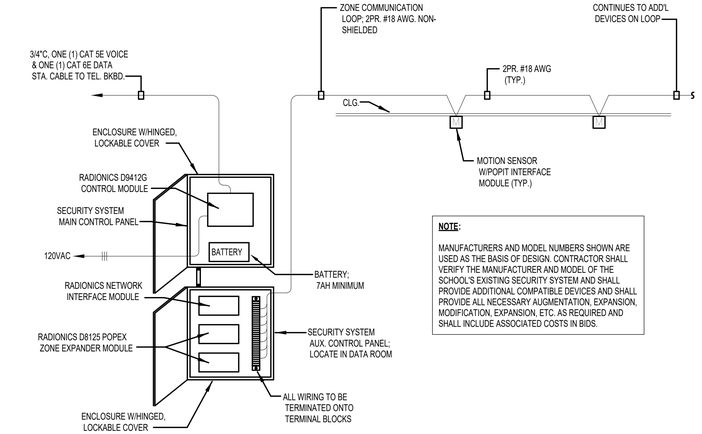
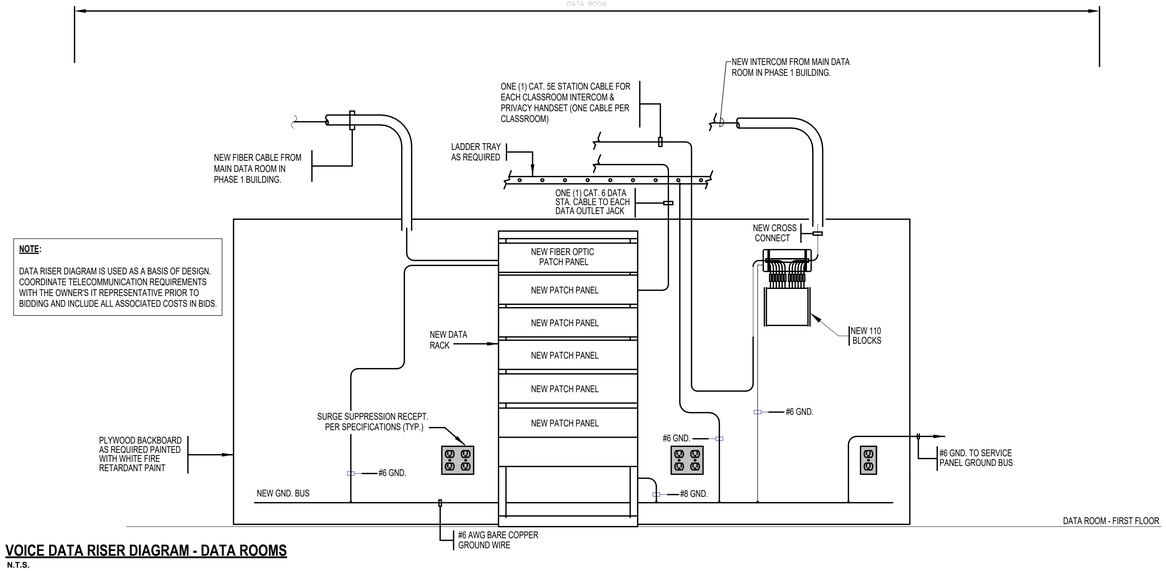


NOTE:

MANUFACTURERS AND MODEL NUMBERS SHOWN ARE USED AS THE BASIS OF DESIGN. CONTRACTOR SHALL VERIFY THE MANUFACTURER AND MODEL OF THE SCHOOL'S EXISTING SECURITY SYSTEM AND SHALL PROVIDE ADDITIONAL COMPATIBLE DEVICES AND SHALL PROVIDE ALL NECESSARY AUGMENTATION, EXPANSION, MODIFICATION, EXPANSION, ETC. AS REQUIRED AND SHALL INCLUDE ASSOCIATED COSTS IN BIDS.

1 SECURITY SYSTEM RISER DIAGRAM - DATA ROOMS
12" = 1'-0"



NOTE:

DATA RISER DIAGRAM IS USED AS A BASIS OF DESIGN. COORDINATE TELECOMMUNICATION REQUIREMENTS WITH THE OWNER'S IT REPRESENTATIVE PRIOR TO BIDDING AND INCLUDE ALL ASSOCIATED COSTS IN BIDS.

2 VOICE DATA RISER DIAGRAM - DATA ROOMS
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CHAMP COOPER ELEMENTARY SCHOOL
10 CLASSROOM ADDITION WITH SITEWORK

STATE OF LOUISIANA — MICHAEL LEE PARISH — 09/15/2026

NO.	DESCRIPTION	DATE

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QUALITY CONTROL	SG/MT

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