LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION

19404 HIATT ST, LORANGER, LA 70446

TPSS PROJECT # 2024-017-200
GGB PROJECT # 2412

TANGIPAHOA PARISH SCHOOL SYSTEM
EST. 1896

TANGIPAHOA PARISH SCHOOL BOARD

TRENT ANTHONY - PRESIDENT
GLENN WESTMORELAND - VICE PRESIDENT
MELISSA M. STILLEY - SUPERINTENDENT

SCHOOL BOARD MEMBERS

JANICE FULTZ RICHARDS - DISTRICT A
TOM TOLAR - DISTRICT B
ROBIN ABRAMS - DISTRICT C
GLENN WESTMORELAND - DISTRICT D
BRETT DUNCAN - DISTRICT E
TRENT ANTHONY - DISTRICT F
JERRY MOORE - DISTRICT G
JOSEPH PIAZZA II - DISTRICT H
ROSE DOMINGUEZ - DISTRICT I

GASAWAY GASAWAY BANKSTON ARCHITECTS

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AMITE, LA 70422
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BATON ROUGE, LA 70808
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ELECTRICAL ENGINEER:
MERGE ENGINEERING
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FOOD SERVICES CONSULTANT:
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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER J. FUTCH 34978 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

TITLE SHEET
SHEET # T100

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GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY SAFETY APPARATUS REQUIRED TO INSURE THE HEALTH OF WORKERS AS WELL AS THE OWNERS & GENERAL PUBLIC.
2. THE CONTRACTOR SHALL PROVIDE ANY SITE DEMOLITION/ UTILITY RELOCATION NECESSARY FOR COMPLETION OF WORK.
3. DO NOT SCALE DRAWINGS. ANY CONFLICTS DURING CONSTRUCTION DUE TO SIZE OR QUALITY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. USE WRITTEN DIMENSIONS ONLY. VERIFY ALL DIMENSIONS @ JOB SITE BEFORE COMMENCING WORK & REPORT ANY DISCREPANCIES. WHERE NO DIMENSIONS ARE PROVIDED OBTAIN CLARIFICATION PRIOR TO PROCEEDING W/ WORK.
4. IN NO WAY DO THE DIMENSIONS SHOWN ON THE PLANS REPRESENT AN EXACT QUANTITY OF MATERIALS. THE BIDDER IS SOLELY RESPONSIBLE FOR THE QUANTITIES IN HIS BID.
5. CONTRACTOR TO COORDINATE EXPANSION JOINT & CONTROL JOINT LOCATIONS W/ ARCHITECT.
6. ALL FLOOR PLAN DIMENSIONS ARE TO THE FACE OF STUD, FACE OF BRICK, OR FACE OF CMU UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL KEEP THE SITE & ALL INTERIOR SPACES CLEAR OF TRASH & CONSTRUCTION DEBRIS DURING CONSTRUCTION ON A DAILY BASIS.
8. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES EXACT LOCATIONS PRIOR TO EXCAVATION WORK. REPAIR OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR SHOULD THEY BE DAMAGED DURING THE COURSE OF THIS CONSTRUCTION CONTRACT @ NO ADDED COST TO THE OWNER.
9. ALL DOORS SHALL BE LAID OUT IN SUCH A MANNER AS TO ALLOW 18" ON THE PULL SIDE OF THE DOOR & 12" ON THE PUSH SIDE OF THE DOOR & AS PER ADA ACCESSIBILITY GUIDELINES. ANY DOOR IN QUESTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR DISCUSSION PRIOR TO LAYOUT & CONSTRUCTION.
10. THE CONTRACTOR SHALL OBTAIN & PAY ALL NECESSARY PERMITS & AFTER COMPLETION, FURNISH OWNER CERTIFICATIONS OF FINAL INSPECTIONS & APPROVAL AS ISSUED BY THE GOVERNING AUTHORITY.
11. ALL WORK IS TO HAVE A ONE YEAR WARRANTY, MINIMUM & AS SPECIFIED.
12. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS ON THESE DRAWINGS OR BETWEEN DRAWINGS & ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING ANY WORK INVOLVING THE AREAS OF CONFLICT.
13. THE CONTRACTOR SHALL VISIT THE SITE & THOROUGHLY ACQUAINT HIMSELF W/ ALL ASPECTS OF THE CONSTRUCTION OUTLINED IN THIS DOCUMENT PRIOR TO SUBMITTING A BID. BY SUBMITTING A BID, THE CONTRACTOR REPRESENTS THAT HE/SHE HAS VISITED THE SITE, FAMILIARIZED HIMSELF W/ THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS, & RELATED HIS OBSERVATIONS W/ REQUIREMENTS OF THE CONTRACT DOCUMENTS PRIOR TO BIDDING.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF W/ THE SPECIFICATIONS AS WELL AS THE DRAWINGS.
15. EACH TRADE BIDDING THE PROJECT SHOULD REFER TO THE ENTIRE SET OF DRAWINGS & SPECIFICATIONS TO HELP ENSURE THEY UNDERSTAND ALL ASPECTS OF WORK THAT MAY AFFECT THAT INDIVIDUAL TRADE. LACK OF DOING SO WILL NOT CONSTITUTE A CLAIM FOR ADDED COMPENSATION.
16. BY REVIEWING THE CONSTRUCTION DOCUMENTS & PROVIDING A BID, THE CONTRACTOR ACKNOWLEDGES HIS UNDERSTANDING OF HOW EACH SYSTEM WILL BE BUILT OR FABRICATED. LACK OF UNDERSTANDING AFTER THE BID WILL NOT CONSTITUTE A CLAIM FOR COMPENSATION TO PROVIDE REQUIRED ADDED MATERIALS SHOWN BUT NOT NECESSARILY CALLED OUT ON THE PLAN & DETAILS.
17. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ACCESSORIES AS REQUIRED BY ROOFING MANUFACTURER TO PROVIDE A COMPLETE ROOF CERTIFIABLE BY THE MANUFACTURER, INCLUDING BUT NOT LIMITED TO, CLOSURE STRIPS, TERMINATION ANGLES, FASTENERS, MISC BLOCKING, & FRAMING.
18. PROVIDE LEVEL TRANSITIONS @ ALL DOORS FOR A MIN OF 3'-0" IN FRONT & BACK OF DOORS. EXTERIOR DOORS MUST HAVE ENOUGH ROOM FOR A 5'-0" MIN LEVEL LANDING.
19. THE SITE PLAN REPRESENTS GENERAL LOCATION OF IMPROVEMENTS. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL IMPROVEMENTS ON SITE PRIOR TO ALTERATION. ALL DAMAGE SHALL BE PROPERLY REPAIRED BY THE GENERAL CONTRACTOR @ THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS & ANY CHARGES FOR TIE-IN TO EXISTING UTILITIES.
21. THE CONTRACTOR SHALL PROVIDE FOR POSITIVE DRAINAGE AROUND THE BLDG @ ALL TIMES.
22. STOCKPILED TOPSOIL FREE OF ASSIDUOUS MATERIAL SHALL BE USED FOR FINISH GRADING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL & DISPOSAL OF ALL DEBRIS MATERIAL PRIOR TO FINISH GRADING.
23. 3500 PSI MIN CONCRETE SHALL BE USED @ ALL SIDEWALKS UNLESS INDICATED OTHERWISE.
24. FINE GRADING & SEEDING SHALL EXTEND OVER THE SITE IN AREAS DISTURBED BY CONSTRUCTION.
25. CONTRACTOR SHALL PREVENT EROSION OF STOCKPILED SOIL.
26. ALL WORK SHALL BE PERFORMED IN ACCORDANCE W/ ALL APPLICABLE NATIONAL, STATE, & LOCAL CODES & REGULATIONS.
27. PROVIDE SAFETY GLAZING IN HAZARDOUS LOCATIONS AS DEFINED BY THE CURRENT IBC.
28. INSULATION & INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF THE IECC, IBC, & NEC.
29. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 & A SMOKE DEVELOPMENT FACTOR OF 0-450.
30. ALL MATERIALS SHALL BE NEW EXCEPT WHERE OTHERWISE NOTED & SHALL CONFORM W/ THE STANDARDS OF UNDERWRITER'S LABORATORY IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION.
31. THE CONTRACTOR SHALL OBTAIN & PAY ALL NECESSARY PERMITS & AFTER COMPLETION, FURNISH OWNER CERTIFICATIONS OF FINAL INSPECTIONS & APPROVAL AS ISSUED BY THE INSPECTION DEPARTMENT OF THE PARISH.
32. ALL TESTS SHALL BE MADE IN ACCORDANCE W/ THE LATEST STANDARDS OF THE NEC. THE TESTS SHALL BE MADE IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE.
33. ELECTRICAL WORK SHALL COMPLY W/ NFPA, IBC, & NEC & BE PERFORMED BY A LICENSED ELECTRICIAN.
34. ALL HVAC SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE W/ NFPA, IBC & SHALL PROVIDE REQUIRED SMOKED DETECTION DEVICES.
35. ALL EXPOSED MTLS TO BE PREFINISHED IN A MATCHING COLOR TO BE SELECTED BY THE ARCHITECT. COATING SHALL BE AS SPECIFIED.
36. THE STORAGE OF MATERIALS ON SITE SHALL BE ALLOWED ON DESIGNATED AREAS. STAGING WILL BE ALLOWED ON LAWN OR GARDEN AREAS. HOWEVER ANY DAMAGE TO LAWN SURFACES & GARDEN/LANDSCAPE AREAS SHALL REQUIRE RESTORATION TO ORIGINAL CONDITION BY GENERAL CONTRACTOR @ NO COST TO OWNER. OWNER IS NOT RESPONSIBLE FOR SECURITY OF STORED MATERIALS.
37. CONTRACTOR IS TO COORDINATE ALL WORK SCHEDULES W/ OWNER. ACCESS INTO THE EXISTING PARK & PARKING AREAS SHALL NOT BE INTERRUPTED UNLESS OWNER APPROVAL HAS BEEN OBTAINED.
38. ALL SYMBOLS SHOWN ON PLANS REFER TO AN ITEM THAT IS REQUIRED TO BE PROVIDED UNLESS OTHERWISE INSTRUCTED. THE LACK OF REFERENCING DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE REQUIRED ITEM.
39. ALL EXPOSED TRANSITIONS BTWN DISSIMILAR MATERIALS ARE TO BE SEPARATED PER MANUFACTURER'S RECOMMENDATION.
40. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE SPECIFICATIONS, ADDENDA, & MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, & WHAT IS REQUIRED BY ANY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREIN SHALL BE CONSTRUCTED OF THE SAME MATERIALS & DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.
41. BY USE OF THE DRAWINGS FOR THE CONSTRUCTION OF THE PROJECT, THE OWNER REPRESENTS THAT HE/SHE HAS REVIEWED & APPROVED THE DRAWINGS, & THAT THE CONSTRUCTION DOCUMENTS PHASE OF THE PROJECT IS COMPLETE. THE CONTRACTOR REPRESENTS THAT HE/SHE HAS VISITED THE SITE, FAMILIARIZED HIMSELF W/ THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS & RELATED HIS OBSERVATIONS W/ REQUIREMENTS OF THE CONTRACT DOCUMENTS PRIOR TO BIDDING.
42. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FINISHED PRODUCT BASED ON THE INTENT OF THE CONSTRUCTION DOCUMENTS.
43. OMISSIONS OR CONFLICTS BTWN VARIOUS ELEMENTS OF THE CONSTRUCTION DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM. IF CERTAIN FEATURES ARE NOT FULLY DELINEATED IN THE CONSTRUCTION DOCUMENTS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE DELINEATED.
44. THE CONTRACTOR SHALL PROVIDE ANY SITE DEMOLITION/UTILITY RELOCATION NECESSARY FOR THE COMPLETION OF WORK. CONTRACTOR SHALL NOT REMOVE ANY EXISTING ACTIVE UTILITIES, MECHANICAL, ELECTRICAL, OR PLUMBING SYSTEMS WHICH ARE IN OR PASS THROUGH THE AREA, UNLESS OTHERWISE NOTED. CONTRACTOR IS REQUIRED TO CONSULT OWNER'S REPRESENTATIVE & ARCHITECT PRIOR TO COMMENCING WORK.
45. ARCHITECT SHALL MAKE COLOR SELECTIONS UPON RECEIPT OF **ALL** PHYSICAL COLOR SAMPLES DUE FROM THE CONTRACTOR.
46. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID & BRINGING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT. THIS PLAN SHALL BE USED AS A GUIDE ONLY.
47. BLEND ALL NEW WORK INTO EXISTING & REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING MATERIALS DURING CONSTRUCTION.
48. CONTRACTOR SHALL COORDINATE EXACT ROUTES FOR SITE ACCESS & EGRESS WITH THE GOVERNING ENTITY.
49. CONTRACTOR SHALL REPAIR ANY DAMAGE TO ADJACENT AREAS CAUSED BY CONSTRUCTION AT NO COST TO THE OWNER.
50. PROTECT ALL ADJACENT TREES FROM DAMAGE WITHIN THE DRIPLINE OF THE TREE.
51. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES & BUILDINGS TO REMAIN THAT OCCUR DURING DEMOLITION.
52. REMOVAL & DISPOSAL OF ALL SUBSTANCES & MATERIALS IS TO BE ACCOMPLISHED ACCORDING TO SPECIFICATIONS & FEDERAL, STATE, & LOCAL REGULATIONS.
53. CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES DURING THE ENTIRE CONSTRUCTION PERIOD & ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT. ALL EROSION CONTROL MEASURES ARE TEMPORARY DEVICES. THESE TEMPORARY DEVICES SHALL BE REMOVED PRIOR TO COMPLETION OF CONSTRUCTION, ONCE STABILIZATION OF ALL AREAS ARE COMPLETE.
54. ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
55. EROSION CONTROL MEASURES ARE TO BE INSPECTED WEEKLY & AFTER EACH RAINFALL & REPAIRED AS NECESSARY. SILT FENCES SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO 1' OF THE TOP OF THE FENCE.
56. LAND DISTURBING ACTIVITIES WILL BE KEPT TO A MINIMUM & WILL NOT EXTEND BEYOND THE LIMITS SHOWN.
57. SEDIMENT & EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS & WILL BE REPAIRED, ADJUSTED, & MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION & SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION & UNTIL ALL DISTURBED AREAS ARE STABILIZED.

CODE DATA:

2015 EDITION OF NFPA 101 - LIFE SAFETY CODE
2021 EDITION OF INTERNATIONAL BUILDING CODE
2021 EDITION OF INTERNATIONAL ENERGY CONSERVATION CODE

USE & OCCUPANCY CLASSIFICATION

NFPA 2015 CHAPTER 14 - NEW EDUCATION
IBC 2021 SECTION 305 - GROUP E

TYPES OF CONSTRUCTION

NFPA 2018 TYPE (II) 000, PER TABLE A.8.2.1.2
IBC 2021 SECTION 602.2 - TYPE II, B (PROTECTED/SPRINKLERED)

WIND SPEED DESIGN VALUE (IBC 2021) - 127 MPH

INTERIOR FINISHES
ALL OPENINGS FOR THE PASSAGE OF PIPES OR CONDUITS IN WALLS OR PARTITIONS THAT ARE REQUIRED TO HAVE FIRE-RESISTANT OR SMOKE RESISTING CAPABILITY SHALL BE PROTECTED IN ACCORDANCE WITH NFPA 8.3.5.6.1 W/ APPROVED MATERIALS.

INTERIOR WALL, CEILING & FLOOR FINISH SHALL COMPLY W/ NFPA SECTION 10.2 & 12.3.3 & IBC SECTION 803, & SHALL BE CLASS 'A' OR 'B' ELSEWHERE.

ACCESSIBILITY
ALL LANDINGS & WALKWAYS ARE TO BE LEVEL W/ FINISHED FLOOR ELEVATION 5'-0" FROM THRESHOLD. ALL EXITS ARE TO BE PAVED TO PUBLIC WAY. ALL WALKWAYS ARE TO BE 1:20 SLOPE MAXIMUM UNLESS OTHERWISE NOTED. SEE CIVIL FOR ADDITIONAL INFORMATION.

ALL TOILET & BATH FACILITIES IN BUILDING ARE TO BE CONSTRUCTED TO MEET IBC SECTION 1108.2, ADAAG REQUIREMENTS & NFPA 101, SECTION 7.2.2.4.4.5.

SIGNAGE WILL BE PROVIDED TO COMPLY W/ IBC SECTIONS 1013, 1110.

INSULATION REQUIREMENTS

INSULATION ENTIRELY ABOVE ROOF DECK: R-25 CI
MTL FRAMED WALLS: R-13 + R-5 CI
CMU WALLS: U 0.44 MAX FILL

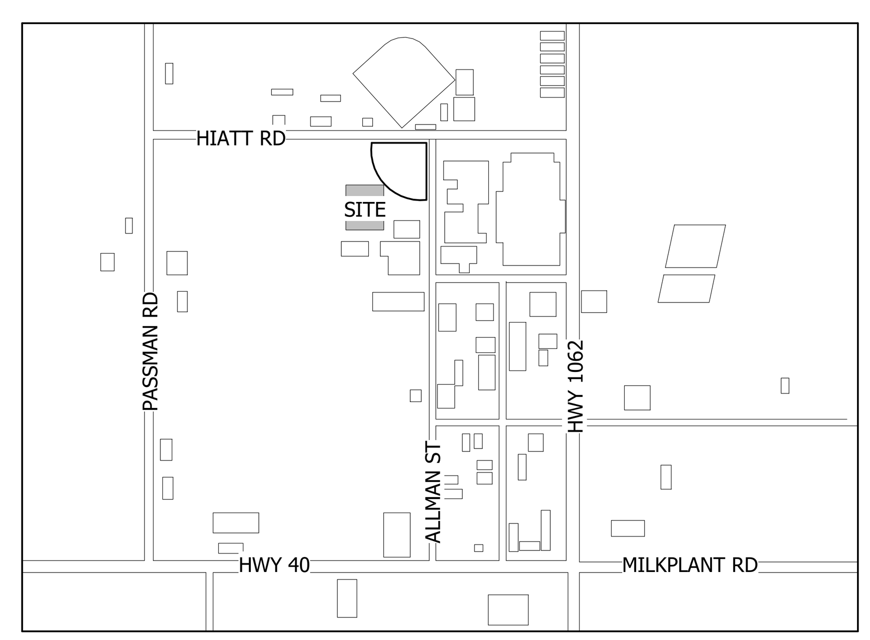
PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE CONSTRUCTION OF THREE STANDALONE BUILDINGS THAT WILL ADD 20 CLASSROOMS, CAFETERIA, FULL KITCHEN ALSO SERVING THE EXISTING CAFETERIA, SHOP BUILDING, ASSOCIATED DRIVES, PARKING, AND CANOPIES. BUILDINGS A, B, AND C WILL BE ACCESSIBLE TO THE OTHER CAMPUS STRUCTURES VIA NEW AND EXISTING CANOPIES AND SIDEWALKS.

- **BUILDING A** WILL HOST THE CAFETERIA AND FULL SERVICE KITCHEN, WHICH WILL PHYSICALLY CONNECT TO THE EXISTING CAFETERIA (11120 SF). BUILDING A WILL ALSO INCLUDE A COVERED DINING AREA (8330 SF UNENCLOSED).
- **BUILDING B** WILL HOST 20 NEW CLASSROOMS, ADMIN OFFICES, 2 TEACHER CONFERENCE ROOMS, COUNSELOR, STUDENT AND STAFF RESTROOMS, AND STORAGE ROOMS (26205 SF).
- **BUILDING C** WILL HOST A WELDING SHOP WITH 16 WORKSTATIONS, CONSTRUCTION SHOP, CLASSROOM, RESTROOMS, AND STORAGE (5500 SF).

GENERAL ARCHITECTURAL ABBREVIATIONS:

ADA	AMERICANS WITH DISABILITIES ACT	PTD	PAINTED
AFF	ABOVE FINISHED FLOOR	RAD	RADIUS
ALUM	ALUMINUM	RCP	REFLECTED CEILING PLAN
BTWN	BETWEEN	RO	ROUGH OPENING
CL	CENTER LINE	SF	SQUARE FOOT (FEET)
DIA	DIAMETER	SIM	SIMILAR
EQ	EQUAL	SPEC	SPECIFICATION
EWC	ELECTRIC WATER COOLER	SS	STAINLESS STEEL
FD	FLOOR DRAIN	TOS	TOP OF STEEL
FEC	FIRE EXTINGUISHER CABINET	TS	TERMINATING STRIP
FT	FEET OR FOOT	TYP	TYPICAL
GYP BD	GYPSUM BOARD	VERT	VERTICAL
MTL	METAL	VIF	VERIFY IN FIELD
NIC	NOT IN CONTRACT	W/	WITH
OC	ON CENTER	W/O	WITHOUT
OPP	OPPOSITE	WD	WOOD
PLAM	PLASTIC LAMINATE		



1 VICINITY MAP
12" = 1'-0"

DRAWING INDEX

T100	TITLE SHEET
T101	GENERAL INFORMATION
T102	PERSPECTIVES
LS100	LIFE SAFETY INFORMATION
V100	SURVEY
D100	DEMOLITION SITE PLAN
D101	DEMOLITION FLOOR PLAN, ROOF PLAN, & ELEVATIONS
D102	DEMOLITION PHOTOS
C100	DEMO/EROSION CONTROL PLAN
C200	SITE PLAN
C300	GRADING PLAN
C400	UTILITY PLAN
D-100	DETAILS
D-110	DETAILS
D-120	DETAILS
S100	BUILDING A - FOUNDATION PLAN
S101	BUILDING A - SLAB PLAN
S102	BUILDING A - LEVEL 2 FRAMING PLAN
S103	BUILDING A - ROOF FRAMING PLAN
S104	BUILDING A - STAIR DETAILS
S110	BUILDING B - FOUNDATION & SLAB PLAN
S111	BUILDING B - ROOF FRAMING PLAN
S120	BUILDING C - FOUNDATION PLAN
S121	BUILDING C - SLAB PLAN
S122	BUILDING C - AWNING ROOF PLAN
S123	BUILDING C - ROOF FRAMING PLAN
S130	ALUMINUM CANOPY - FOUNDATION PLAN
S200	BUILDING A - BUILDING SECTIONS
S210	BUILDING B - BUILDING SECTIONS
S220	BUILDING C- BUILDING SECTIONS
S300	BUILDING A - WALL SECTIONS
S301	BUILDING A - WALL SECTIONS
S302	BUILDING A - WALL SECTIONS
S303	BUILDING A - WALL SECTIONS
S304	BUILDING A - WALL SECTIONS
S310	BUILDING B - WALL SECTIONS
S311	BUILDING B - WALL SECTIONS
S320	BUILDING C - WALL SECTIONS
S321	BUILDING C - WALL SECTIONS
S322	BUILDING C - WALL SECTIONS
S323	BUILDING C - WALL SECTIONS
S324	BUILDING C - WALL SECTIONS
S500	GENERAL NOTES
S600	FOUNDATION DETAILS
S601	FOUNDATION, SLAB, & CMU DETAILS
S602	CMU, DECKING, & JOIST DETAILS
S603	FRAMING DETAILS
A001	SITE PLAN
A002	CANOPY PLAN
A100	BUILDING A FLOOR PLAN - LEVEL 1
A101	BUILDING A FLOOR PLAN - LEVEL 2
A102	BUILDING B FLOOR PLAN
A103	BUILDING C FLOOR PLAN
A104	ENLARGED FLOOR PLANS
A105	BUILDING A ROOF PLAN
A106	BUILDING B ROOF PLAN
A107	BUILDING C ROOF PLAN
A200	EXTERIOR ELEVATIONS
A201	EXTERIOR ELEVATIONS
A202	EXTERIOR ELEVATIONS
A203	EXTERIOR ELEVATIONS
A300	BUILDING SECTIONS
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS
A400	WALL SECTIONS
A401	WALL SECTIONS
A402	WALL SECTIONS
A403	WALL SECTIONS
A404	WALL SECTIONS
A405	WALL SECTIONS
A406	WALL SECTIONS
A407	WALL SECTIONS
A500	PLAN DETAILS
A501	SECTION DETAILS
A502	SECTION DETAILS
A503	SECTION DETAILS
A504	SECTION DETAILS
A600	OPENING SCHEDULE & ELEVS
A601	OPENING DTLS
A700	REFLECTED CEILING PLAN - BUILDING A - LEVEL 1
A701	REFLECTED CEILING PLAN - BUILDING A - LEVEL 2
A702	REFLECTED CEILING PLAN - BUILDING B
A703	REFLECTED CEILING PLAN - BUILDING C
A800	STAIR DETAILS
A801	ELEVATOR DETAILS
I001	MASTER FINISH SCHEDULE
I002	SIGNAGE PLAN
I003	SIGNAGE TYPES
I200	INTERIOR ELEVATIONS
I201	INTERIOR ELEVATIONS
I202	INTERIOR ELEVATIONS

FS101	BUILDING C FLOOR PLAN
FS201	BUILDING C FLOOR PLAN
FS202	BUILDING C FLOOR PLAN
FS203	BUILDING C FLOOR PLAN
FS301	BUILDING C FLOOR PLAN
FS401	BUILDING C FLOOR PLAN
FS501	BUILDING C FLOOR PLAN
M001	GENERAL MECHANICAL NOTES
M002	MECHANICAL PLAN KEYNOTES AND MECHANICAL AIRSIDE LEGEND
M101	BUILDING A 1ST FLOOR PLAN - MECHANICAL
M102	BUILDING A 2ND FLOOR PLAN - MECHANICAL
M103	BUILDING B FLOOR PLAN - MECHANICAL
M104	BUILDING C FLOOR PLAN - MECHANICAL
M201	ENLARGED MECHANICAL FLOOR PLANS
M301	MECHANICAL SCHEDULES
M302	MECHANICAL SCHEDULES
M401	MECHANICAL DETAILS
M402	MECHANICAL DETAILS
M403	MECHANICAL DETAILS
M404	MECHANICAL DETAILS
M405	MECHANICAL DETAILS
M406	MECHANICAL DETAILS
MP101	SITE PLAN - MECHANICAL/PLUMBING/SPRINKLER
P100	GENERAL PLUMBING NOTES AND LEGEND
P101	BUILDING A - PLUMBING FLOOR PLAN - LEVEL 1
P102	BUILDING A - PLUMBING FLOOR PLAN - LEVEL 2
P103	BUILDING B - PLUMBING FLOOR PLAN
P104	BUILDING C - PLUMBING FLOOR PLAN
P105	BUILDING C ENLARGED FLOOR PLAN - PLUMBING
P106	BUILDING C ROOF PLAN - PLUMBING
P201	PLUMBING SCHEDULES & RISER DIAGRAMS
P301	PLUMBING RISER DIAGRAMS
P302	PLUMBING RISER DIAGRAMS
P303	PLUMBING RISER DIAGRAMS
P401	PLUMBING DETAILS
P402	PLUMBING DETAILS
P403	PLUMBING DETAILS
P404	PLUMBING DETAILS
P405	PLUMBING DETAILS
SP101	BUILDING A SPRINKLER FLOOR PLAN - LEVEL 1 & 2
SP102	BUILDING B FLOOR PLAN - SPRINKLER
SP103	BUILDING C FLOOR PLAN - SPRINKLER
SP201	SPRINKLER DETAILS
E100	ELECTRICAL SITE PLAN
E200	POWER PLAN - BUILDING A
E201	POWER PLAN - BUILDING B
E202	POWER PLAN - BUILDING C
E300	LIGHTING PLAN - BUILDING A
E301	LIGHTING PLAN - BUILDING B
E302	LIGHTING PLAN - BUILDING C
E400	SPECIAL SYSTEMS PLAN - BUILDING A
E401	SPECIAL SYSTEMS PLAN - BUILDING B
E402	SPECIAL SYSTEMS PLAN - BUILDING C
E500	RISER DIAGRAMS
E501	RISER DIAGRAMS
E502	DETAILS
E503	DETAILS
E600	PANEL SCHEDULES
E601	PANEL SCHEDULES
E602	PANEL SCHEDULES
E603	PANEL SCHEDULES
E604	PANEL SCHEDULES

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DATE 10.19.26

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REVISIONS

GENERAL INFORMATION
SHEET # T101

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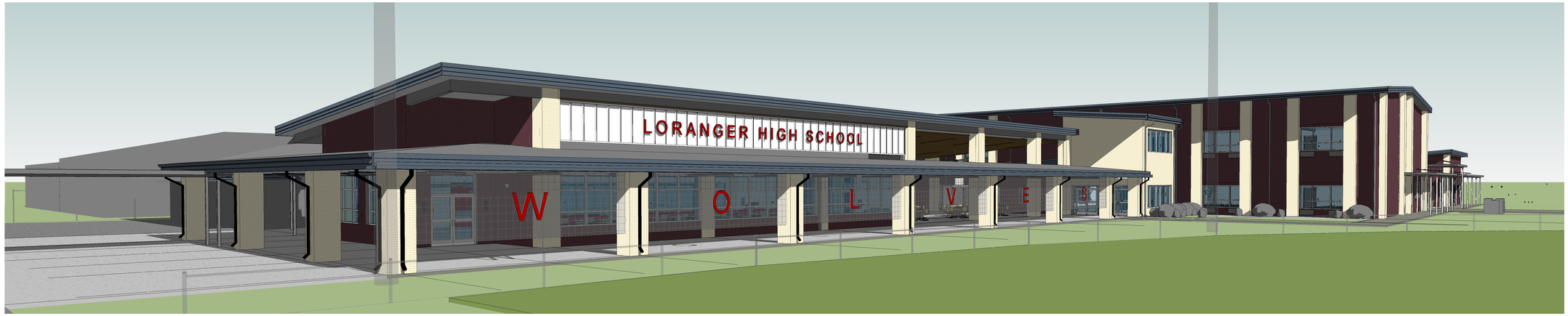
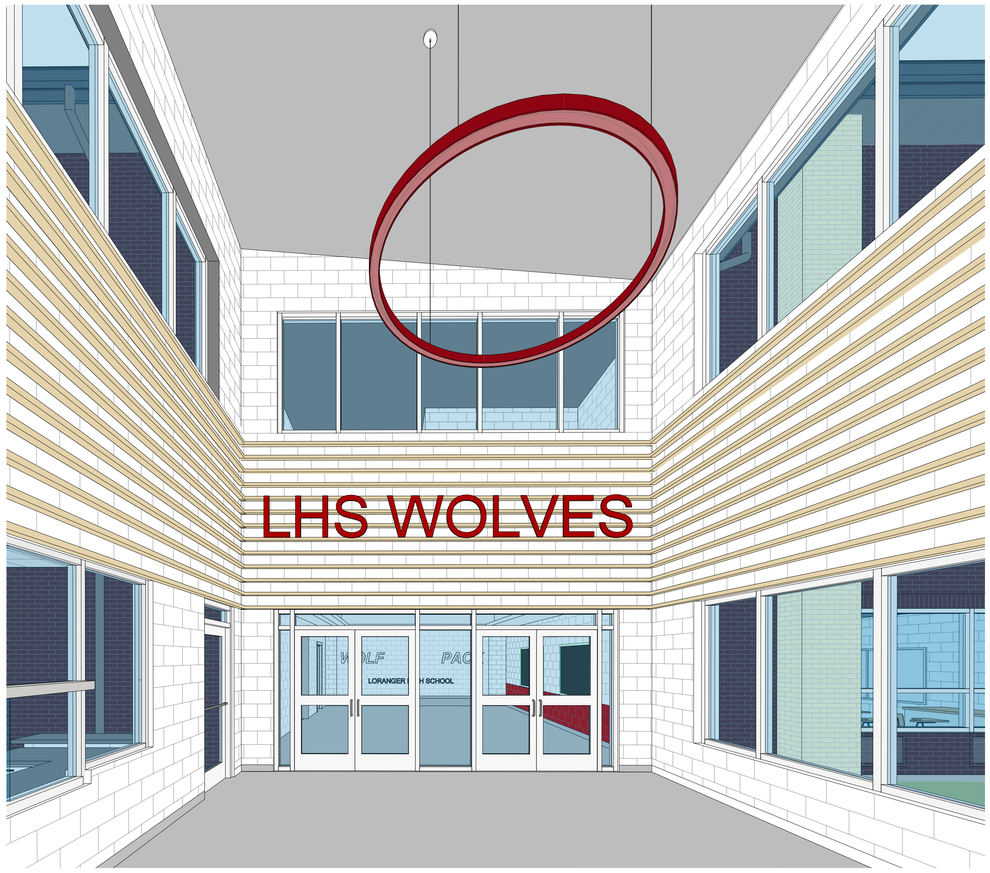
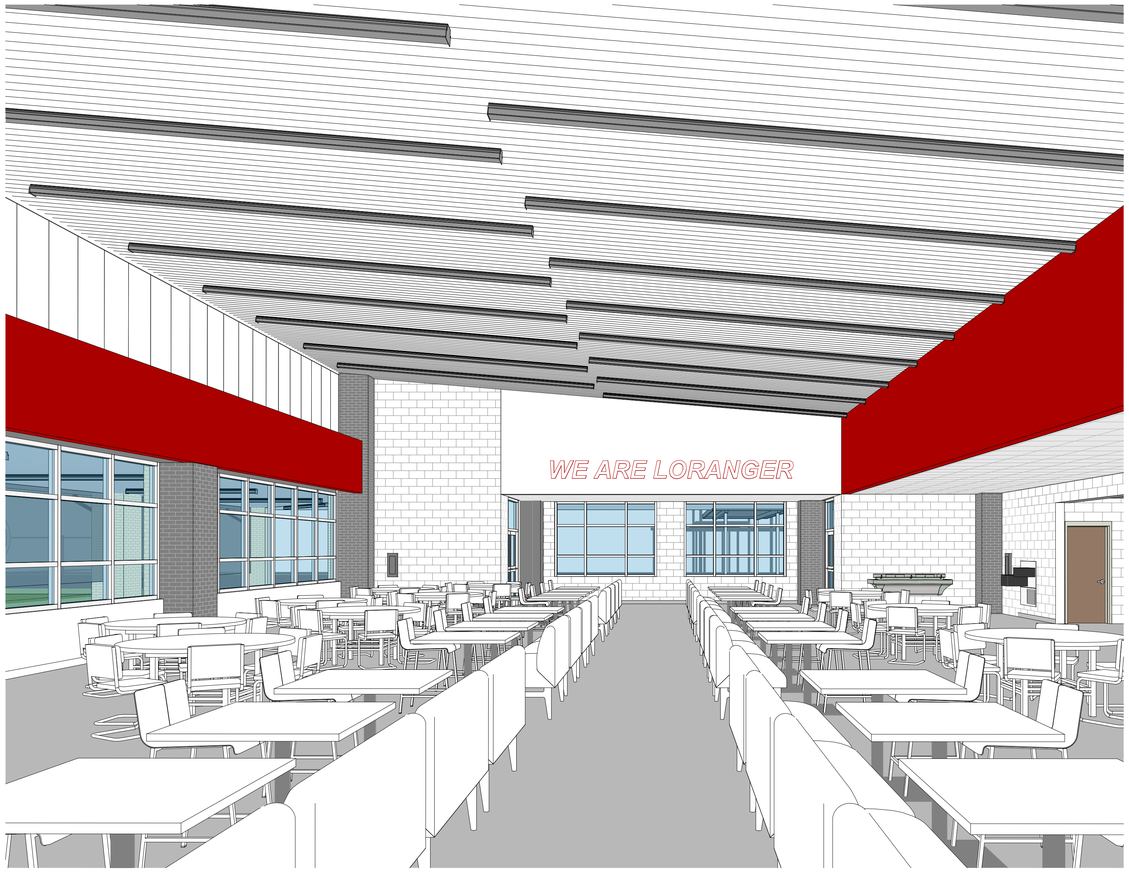


1 PERSPECTIVE VIEW - HIATT ST



2 PERSPECTIVE VIEW - VESTIBULE



3 PERSPECTIVE VIEW - CAFETERIA

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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Andrew Gasaway, Jr., AIA
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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

CHRISTOPHER D. BANKSTON 34974 STATE OF LOUISIANA REGISTERED ARCHITECT

PROFESSIONAL OF RECORD

REVISIONS

PERSPECTIVES

SHEET # T102

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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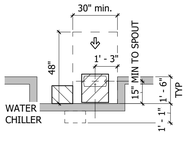
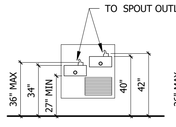
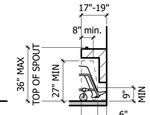
ACCESSIBILITY INFORMATION

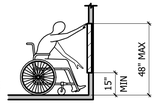


ACCESSIBLE BI-LEVEL WATER COOLER CODE REQUIRED CLEARANCES

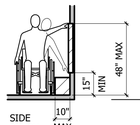


DRINKING FOUNTAIN & WATER COOLERS

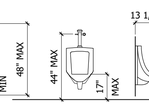




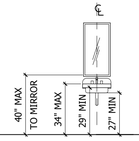
FORWARD REACH



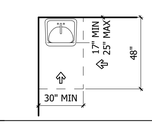
SIDE REACH



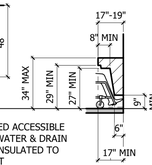
URINAL

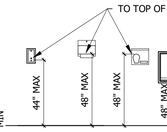


TYPICAL SINK CODE REQUIRED CLEARANCES

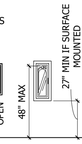


NOTE: TYPICAL HANDICAPPED ACCESSIBLE LAVATORY & MIRROR HOT WATER & DRAIN PIPES TO BE COVERED OR INSULATED TO PROTECT AGAINST CONTACT

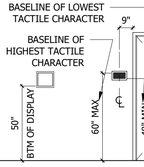




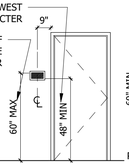
SOAP/ SANITIZER | PAPER TOWEL | HAND DRYER | CHANGING TABLE



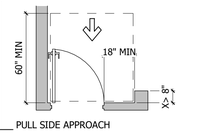
EXTINGUISHER



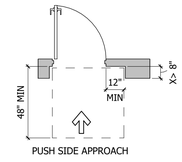
KIOSK



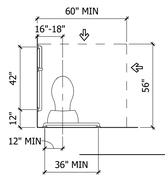
INTERIOR SIGNAGE



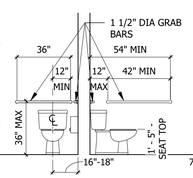
PULL SIDE APPROACH



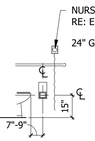
PUSH SIDE APPROACH



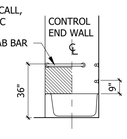
TYPICAL ACCESSIBLE TOILET CODE REQUIRED CLEARANCE



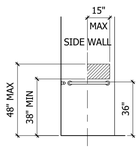
WATER CLOSET REAR WALL | WATER CLOSET SIDE WALL



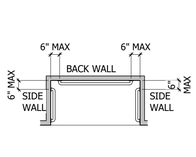
TOILET PAPER DISPENSER



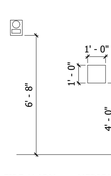
BATHTUB CONTROL LOCATION



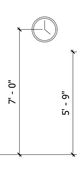
SHOWER COMPARTMENT CONTROL LOCATION



SHOWER COMPARTMENT GRAB BARS

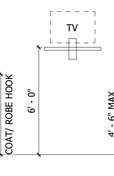


FIRE ALARM AUDIBLE & VISUAL SIGNAL | MEDICAL GAS ALARM PANEL

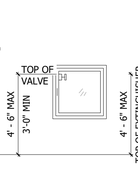


CLOCK

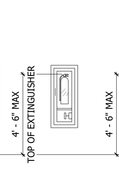
COAT HOOKS



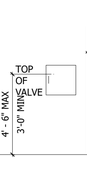
TV BRACKET



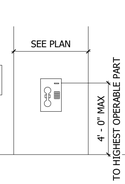
FIRE HOSE CABINET



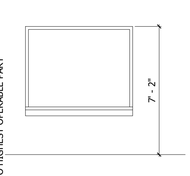
FIRE EXTINGUISHER & VALVE CABINET



FIRE VALVE CABINET



PUBLIC TELEPHONE



CHALK BOARD, TACK BOARD, OR DRY ERASE BOARD

NOTES:

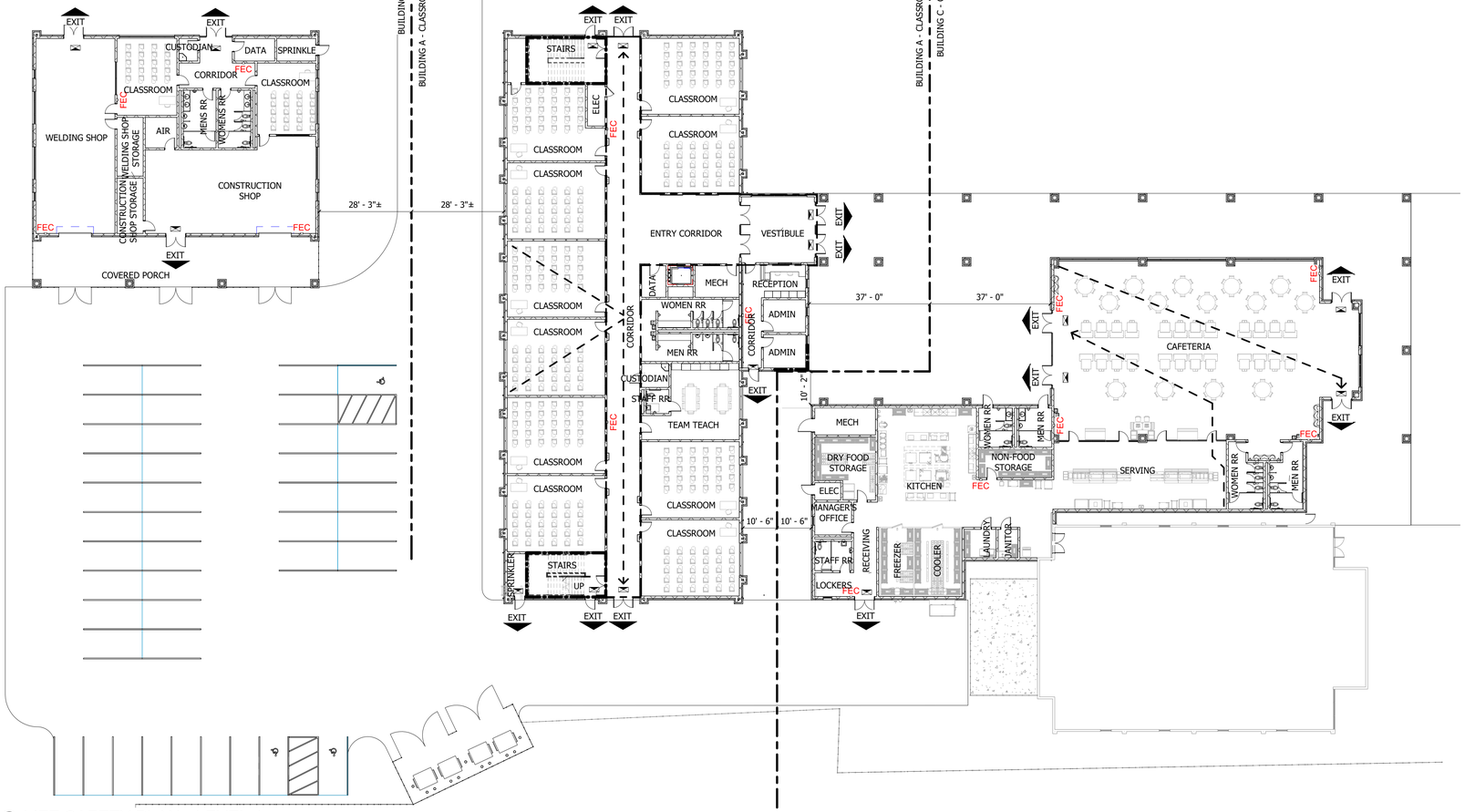
1. DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS. THE DIMENSIONS DO NOT NECESSARILY SHOW ALL THE DEVICES THAT ARE LOCATED ON THE WALLS.
2. PROVIDE SOLID BLOCKING BEHIND ALL WALL MOUNTED EQUIPMENT.
3. SEE THE PLANS FOR ALL ADDITIONAL TOILET ACCESSORIES AND ACTUAL ROOM DIMENSIONS.
4. NOT ALL DEVICES ARE APPLICABLE TO THIS PROJECT.
5. DIMENSIONS ARE TO THE FINISHED FACE OF THE WALL OR FLOOR MATERIAL.

1 ACCESSIBILITY INFORMATION
1/4" = 1'-0"

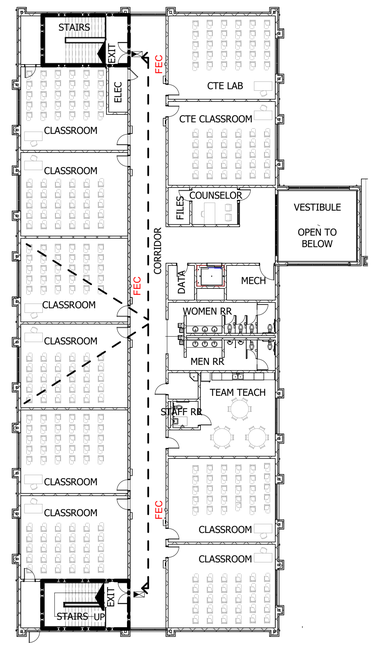
LIFE SAFETY LEGEND

FEC	SURFACE-MOUNTED, ADAAG COMPLIANT FIRE EXTINGUISHER, COORDINATE LOCATIONS OF NEW PRIOR TO INSTALLATION
*	EXIT LIGHTING
— — —	SMOKE RATED WALL
—·—·—	1-HR FIRE RATED WALL, UL U906

1. ALL PENETRATIONS @ FIRE RATED ASSEMBLIES MUST BE FIRE RATED
2. REFER TO ELECTRICAL FOR EMERGENCY LIGHTING LAYOUT



2 LIFE SAFETY PLAN - LEVEL 1
1" = 20'-0"



3 LIFE SAFETY PLAN - LEVEL 2
1" = 20'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. SAVOIE — 37992 — STATE OF LOUISIANA — REGISTERED ARCHITECT

REVISIONS

LIFE SAFETY INFORMATION

SHEET # LS100

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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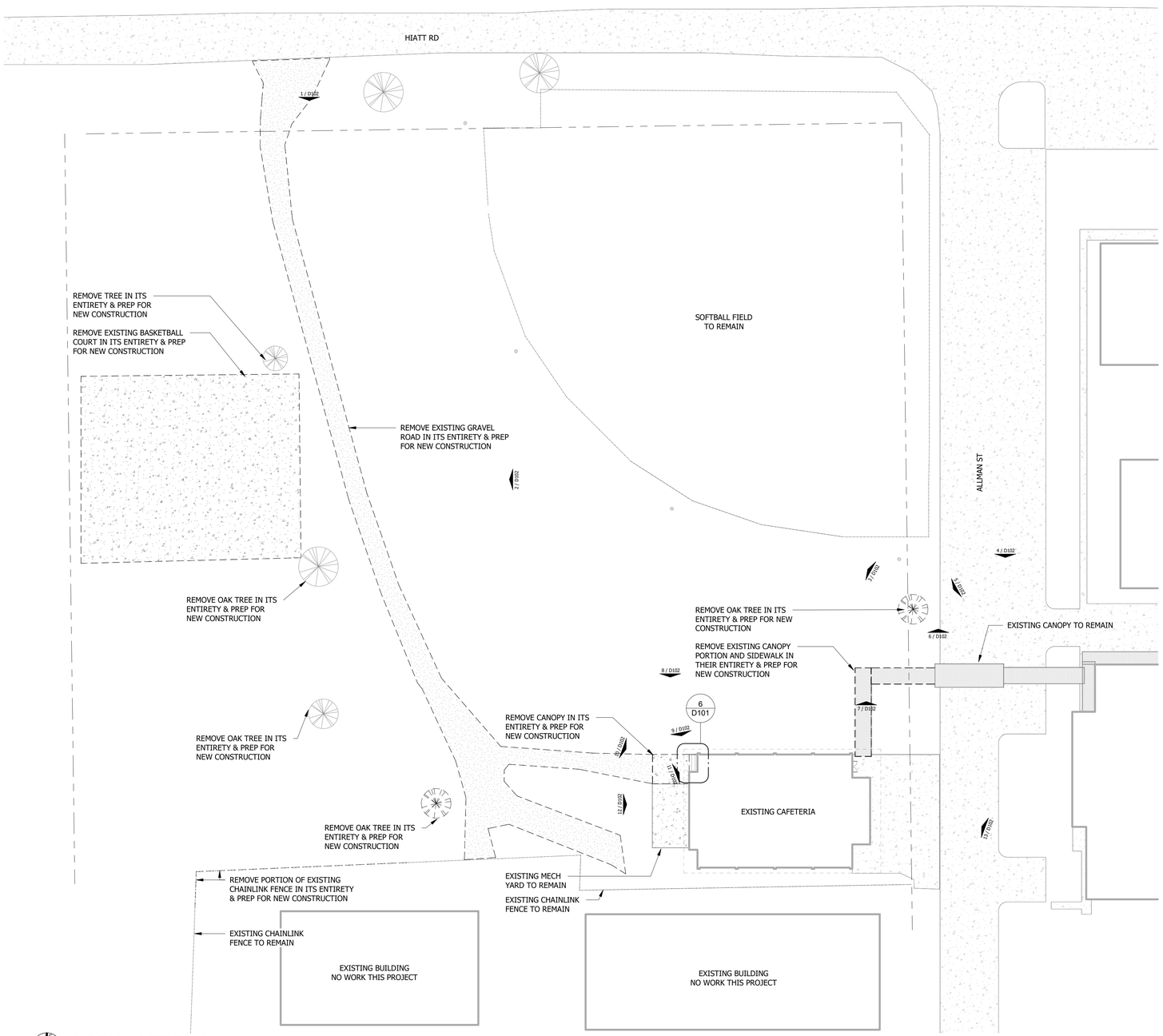

1 DEMO SITE PLAN
1/32" = 1'-0"

GENERAL DEMOLITION NOTES

1. REMOVE ALL PAVING TO EXISTING JOINT OR SAWCUT FOR CLEAN EDGE.
2. REFER TO CIVIL, MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
3. ITEMS NOT SPECIFICALLY CALLED OUT OR SHOWN BUT ARE REQUIRED FOR CONSTRUCTION SHALL BE DEMOLISHED @ NO ADDITIONAL COST TO THE OWNER.
4. COORDINATE ALL UTILITY SHUT DOWNS W/ OWNER. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AS PART OF THIS CONTRACT.
5. REMOVE ALL TACK BOARDS, BULLETIN BOARDS, WHITE BOARDS, BLACK BOARDS, & MESSAGE BOARDS & THE OWNER WILL HAVE FIRST REFUSAL OF ITEMS.
6. REPAIR EXISTING WALLS AS REQUIRED FOR NEW WALL FINISH.
7. REGRADE SITE AROUND BUILDING AS REQUIRED TO SLOPE AWAY FROM BUILDING.
8. CONTRACTORS MUST VISIT THE SITE TO VERIFY FLOOR PLAN, ALL EXISTING CONDITIONS, BUILDING TYPES & CONSTRUCTION & ALL DIMENSIONS.
9. PROTECT EXISTING WORK WHICH IS TO REMAIN IN PLACE, BE REUSED, OR REMAIN THE PROPERTY OF THE OWNER.
10. REMOVE & STORE MATERIALS & EQUIPMENT INDICATED TO BE REUSED OR RELOCATED TO PREVENT DAMAGE, & REINSTALL AS THE WORK PROGRESSES.
11. PROTECT ELECTRICAL & MECHANICAL SERVICES & UTILITIES WHERE REMOVAL OF EXISTING UTILITIES & PAVEMENTS IS SPECIFIED OR INDICATED, PROVIDE APPROVED BARRICADES, TEMPORARY COVERING OF EXPOSED AREAS, & TEMPORARY SERVICES OR CONNECTIONS FOR ELECTRICAL & MECHANICAL UTILITIES.
12. REMOVE EXISTING UTILITIES AS INDICATED & UNCOVERED BY WORK & TERMINATE IN A MANNER CONFORMING TO THE NATIONALLY RECOGNIZED CODE COVERING THE SPECIFIC UTILITY & APPROVED BY THE ARCHITECT. IF UTILITY LINES ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS, CONTACT THE ARCHITECT FOR FURTHER INSTRUCTIONS.
13. REMOVE & TRANSPORT DEBRIS & RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE ON PAVEMENTS, STREETS, OR ADJACENT AREAS. CLEAN UP SPILLAGE FROM PAVEMENTS, STREETS, & ADJACENT AREAS, IN COMPLIANCE W/ ALL LOCAL & STATE REQUIREMENTS.
14. THE INFORMATION CONTAINED ON THESE DRAWINGS W/ REGARD TO THE EXISTING CONDITIONS OF CONSTRUCTION IN NO WAY RELEASES THE GENERAL CONTRACTOR OF THE RESPONSIBILITY FOR VERIFYING COMPLETELY ALL FIELD CONDITIONS RELATING TO & AFFECTING THE EXECUTION OF THE WORK, AS DESCRIBED IN THESE CONTRACT DOCUMENTS.
15. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FIELD VERIFY & DOCUMENT ALL EXISTING DIMENSIONS, ELEVATIONS, & BENCHMARKS, MATERIALS & METHODS ON CONSTRUCTION THAT MAY AFFECT OR BE AFFECTED BY NEW WORK, & TO COORDINATE SUCH FIELD VERIFICATION W/ THE CONTRACT DOCUMENTS & THE EXECUTION OF THE WORK. DISCREPANCIES &/OR CONFLICTS INVOLVING ANTICIPATED EXISTING CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
16. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ASSIST THE ARCHITECT IN MAKING THEIR EVALUATIONS & RECOMMENDATIONS BY PROVIDING IN A TIMELY MANNER, @ NO ADDITIONAL COST TO THE OWNER, ACCURATE & COMPLETE DRAWINGS, SKETCHES, & PHOTOGRAPHS SUFFICIENT TO CLEARLY DESCRIBE DISCREPANCIES, CONFLICTS, & CONCEALED OR OTHERWISE UNANTICIPATED EXISTING CONDITIONS AFFECTING NEW CONSTRUCTION. THE GENERAL CONTRACTOR SHALL FURTHER THE ARCHITECT BY PROVIDING IN A TIMELY MANNER PREPARED SOLUTIONS TO UNANTICIPATED EXISTING CONDITIONS.
17. THE ARCHITECT HAS ENDEAVORED TO IDENTIFY AS COMPLETELY AS POSSIBLE IN THE DRAWINGS & SPECIFICATIONS EXISTING ITEMS OR EQUIPMENT & CONSTRUCTION THAT ARE REQUIRED TO BE REMOVED OR OTHERWISE DEMOLISHED SO AS TO ALLOW THE EXECUTION OF NEW WORK. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE GENERAL CONTRACTOR, & IS IN NO WAY INTENDED TO MEAN THAT DEMOLITION IS LIMITED ONLY TO THOSE ITEMS SPECIFICALLY IDENTIFIED. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO EXECUTE DEMOLITION WORK AS REQUIRED TO ALLOW THE EXECUTION OF NEW WORK.
18. ALL AREAS ABOVE OR ON THE EXISTING CEILING THAT ARE AFFECTED BY INSTALLATION OF NEW WORK SHALL BE REPAIRED COMPLETELY W/ MATERIALS & PRODUCTS TO MATCH EXISTING INSTALLATION & FIRE-RATED ASSEMBLIES.
19. THE GENERAL CONTRACTOR & AFFECTED SUBCONTRACTORS SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A PROPOSAL OR BID. THE CONTRACTOR SHALL BECOME GENERALLY FAMILIAR W/ THE PROJECT, & W/ THE IMPACT OF THE NEW WORK ON THE EXISTING CONDITIONS. ANY AREAS OF CONCERN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO SUBMITTING A PROPOSAL OR BID. NO ADDITIONAL CHARGE TO THE OWNER WILL BE APPROVED WHICH IS ATTRIBUTABLE TO THE CONTRACTOR'S FAILURE TO DO THIS.
20. REFER TO CIVIL FOR PAVING & UTILITY SCOPE.
21. REFER TO DEMO SPECIFICATION FOR MORE INFORMATION.
22. BEFORE ANY DEMO, AT THE BEGINNING OF EACH PHASE, SCHEDULE PRE-DEMO MEETING W/ DESIGN TEAM & OWNERS. ALL AREAS TO BE DEMOLISHED SHALL BE CLEARLY DELINEATED. (IE: CHALK, PAINT, ETC.)
23. WHILE PERFORMING SITE DEMO WORK, THE CONTRACTOR SHALL PROTECT ALL TREES AS REQUIRED NOT TO DAMAGE TREES, ROOTS, OR LIMBS.
24. REMOVE EXISTING CHAIN LINK FENCING AS SHOWN. DO NOT LEAVE ANY PORTION OF POST/CONC. IN GROUND. FILL HOLES AND COMPACT WITH APPROVED FILL AT LOCATIONS NOT IN CONFLICT WITH NEW BUILDING OR PAVING CONSTRUCTION.
25. THE CONTRACTOR IS RESPONSIBLE FOR REFERRING TO THE NEW CONSTRUCTION SHEETS TO COORDINATE THE EXACT LOCATIONS OF WALL CUTS FOR DEMOLITION.
26. ANY OPENINGS IN TO THE EXISTING BUILDING SHALL BE CLOSED IN WITH PLYWOOD AND WEATHER PROOFING UNTIL THE NEW CONSTRUCTION MATERIAL IS READY TO BE INSTALLED.
27. BEFORE ANY UTILITY DEMOLITION OCCURS, THE GENERAL CONTRACTOR AND/OR THE AFFILIATED SUBCONTRACTOR FOR BOTH DEMO AND NEW WORK SHALL INVESTIGATE THAT THE DEMO OF UTILITIES WILL NOT PREVENT THE FINAL INTENDED USE OF THE FACILITY AND WILL NOT CAUSE SUCH DEMOLISHED ITEMS TO BE REINSTALLED UNLESS CALLED OUT IN THE PLANS AND SPECS. (RE: ARCHITECTURE, STRUCTURAL, MECHANICAL, ELECTRICAL)
28. PROVIDE TEMPORARY WATER PROOFING TO AREAS BEING OPENED TEMPORARILY TO THE WEATHER. AREAS SHOULD BE ENCLOSED W/ PLYWOOD AND COVERED W/ WATER PROOFING MATERIAL AND SEALED AT SEAMS. LARGE WALL OPENINGS SHOULD HAVE WOOD STUD INFILL W/ PLYWOOD AND LAPPED FELT OR PEEL & STICK & SEALED AT SEAMS.
29. EXISTING BRICK CALLED OUT TO BE REMOVED, SHALL BE SALVAGED AND REUSED TO PATCH ANY BRICK AREAS REQUIRING BRICK PATCHING ON THE EXISTING BUILDING. MORTAR SHALL MATCH EXISTING.
30. PORTIONS OF EXISTING ROOF CALL OUT TO BE REMOVED SHALL BE DONE SUCH A MANOR AS NOT TO VOID ANY REMAINING WARRANTIES. ALSO, TEMPORARY WEATHER PROOFING IS REQUIRED AT THESE LOCATIONS.
31. PROVIDE WEATHER/WATER PROOFING @ ALL TIMES @ TEMPORARY & PERMANENT OPENINGS, TYP.
32. PROVIDE WEATHER/WATER PROOFING @ THE ROOF @ ALL TIMES.
33. DO NOT REMOVE MORE ROOFING THAN CAN BE REPLACED ON THE SAME DAY.
34. CONTRACTOR TO VERIFY ALL WIRING OR CONDUIT ON THE ROOF AFFECTED BY NEW CONSTRUCTION W/ USER AGENCY PRIOR TO DEMOLITION.

DEMOLITION LEGEND

EXISTING TO BE REMOVED

EXISTING TO REMAIN

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

DEMOLITION SITE PLAN

SHEET # D100

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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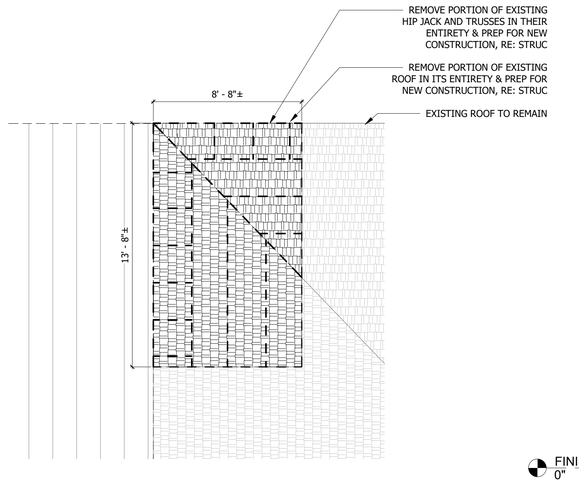
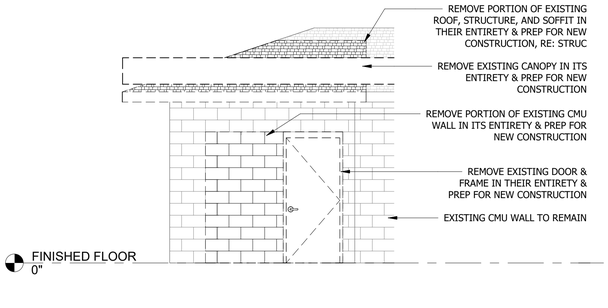
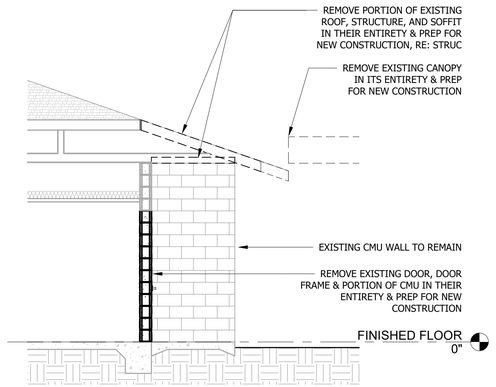


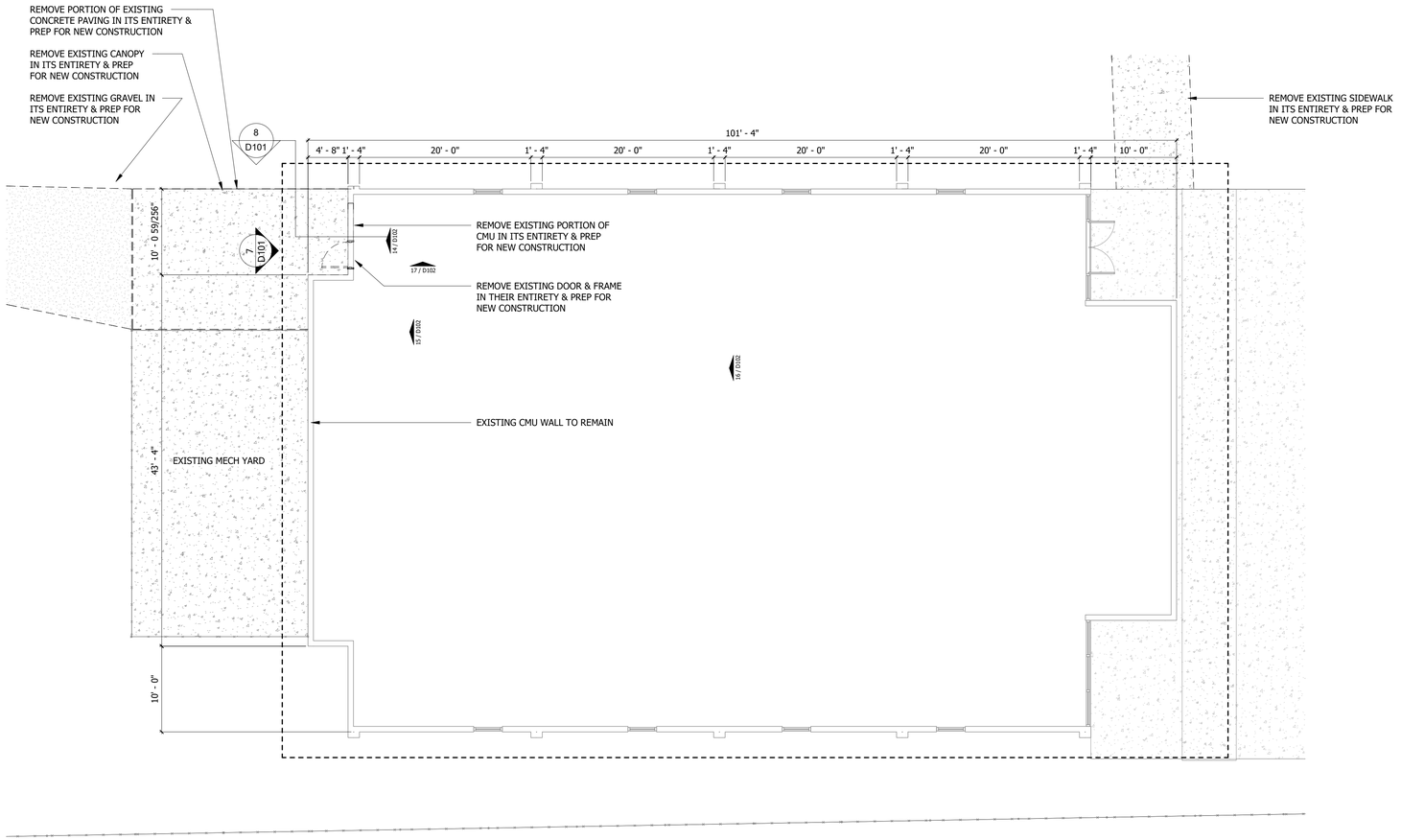
6 DEMO PARTIAL ROOF PLAN - EXISTING CAFETERIA
1/4" = 1'-0"



7 DEMO ELEVATION - EXISTING CAFETERIA
1/4" = 1'-0"



8 DEMO BUILDING SECTION - EXISTING CAFETERIA
1/4" = 1'-0"



1 DEMO PLAN - EXISTING CAFETERIA
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. REMOVE ALL PAVING TO EXISTING JOINT OR SAWCUT FOR CLEAN EDGE.
2. REFER TO CIVIL, MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
3. ITEMS NOT SPECIFICALLY CALLED OUT OR SHOWN BUT ARE REQUIRED FOR CONSTRUCTION SHALL BE DEMOLISHED @ NO ADDITIONAL COST TO THE OWNER.
4. COORDINATE ALL UTILITY SHUT DOWNS W/ OWNER. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AS PART OF THIS CONTRACT.
5. REMOVE ALL TACK BOARDS, BULLETIN BOARDS, WHITE BOARDS, BLACK BOARDS, & MESSAGE BOARDS & THE OWNER WILL HAVE FIRST REFUSAL OF ITEMS.
6. REPAIR EXISTING WALLS AS REQUIRED FOR NEW WALL FINISH.
7. REGRADE SITE AROUND BUILDING AS REQUIRED TO SLOPE AWAY FROM BUILDING.
8. CONTRACTORS MUST VISIT THE SITE TO VERIFY FLOOR PLAN, ALL EXISTING CONDITIONS, BUILDING TYPES & CONSTRUCTION & ALL DIMENSIONS.
9. PROTECT EXISTING WORK WHICH IS TO REMAIN IN PLACE, BE REUSED, OR REMAIN THE PROPERTY OF THE OWNER.
10. REMOVE & STORE MATERIALS & EQUIPMENT INDICATED TO BE REUSED OR RELOCATED TO PREVENT DAMAGE, & REINSTALL AS THE WORK PROGRESSES.
11. PROTECT ELECTRICAL & MECHANICAL SERVICES & UTILITIES WHERE REMOVAL OF EXISTING UTILITIES & PAVEMENTS IS SPECIFIED OR INDICATED, PROVIDE APPROVED BARRICADES, TEMPORARY COVERING OF EXPOSED AREAS, & TEMPORARY SERVICES OR CONNECTIONS FOR ELECTRICAL & MECHANICAL UTILITIES.
12. REMOVE EXISTING UTILITIES AS INDICATED & UNCOVERED BY WORK & TERMINATE IN A MANNER CONFORMING TO THE NATIONALLY RECOGNIZED CODE COVERING THE SPECIFIC UTILITY & APPROVED BY THE ARCHITECT. IF UTILITY LINES ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS, CONTACT THE ARCHITECT FOR FURTHER INSTRUCTIONS.
13. REMOVE & TRANSPORT DEBRIS & RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE ON PAVEMENTS, STREETS, OR ADJACENT AREAS. CLEAN UP SPILLAGE FROM PAVEMENTS, STREETS, & ADJACENT AREAS, IN COMPLIANCE W/ ALL LOCAL & STATE REQUIREMENTS.
14. THE INFORMATION CONTAINED ON THESE DRAWINGS W/ REGARD TO THE EXISTING CONDITIONS OF CONSTRUCTION IN NO WAY RELEASES THE GENERAL CONTRACTOR OF THE RESPONSIBILITY FOR VERIFYING COMPLETELY ALL FIELD CONDITIONS RELATING TO & AFFECTING THE EXECUTION OF THE WORK, AS DESCRIBED IN THESE CONTRACT DOCUMENTS.
15. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FIELD VERIFY & DOCUMENT ALL EXISTING DIMENSIONS, ELEVATIONS, & BENCHMARKS, MATERIALS & METHODS ON CONSTRUCTION THAT MAY AFFECT OR BE AFFECTED BY NEW WORK, & TO COORDINATE SUCH FIELD VERIFICATION W/ THE CONTRACT DOCUMENTS & THE EXECUTION OF THE WORK. DISCREPANCIES &/OR CONFLICTS INVOLVING ANTICIPATED EXISTING CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
16. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ASSIST THE ARCHITECT IN MAKING THEIR EVALUATIONS & RECOMMENDATIONS BY PROVIDING IN A TIMELY MANNER, @ NO ADDITIONAL COST TO THE OWNER, ACCURATE & COMPLETE DRAWINGS, SKETCHES, & PHOTOGRAPHS SUFFICIENT TO CLEARLY DESCRIBE DISCREPANCIES, CONFLICTS, & CONCEALED OR OTHERWISE UNANTICIPATED EXISTING CONDITIONS AFFECTING NEW CONSTRUCTION. THE GENERAL CONTRACTOR SHALL FURTHER THE ARCHITECT BY PROVIDING IN A TIMELY MANNER PREPARED SOLUTIONS TO UNANTICIPATED EXISTING CONDITIONS.
17. THE ARCHITECT HAS ENDEAVORED TO IDENTIFY AS COMPLETELY AS POSSIBLE IN THE DRAWINGS & SPECIFICATIONS EXISTING ITEMS OR EQUIPMENT & CONSTRUCTION THAT ARE REQUIRED TO BE REMOVED OR OTHERWISE DEMOLISHED SO AS TO ALLOW THE EXECUTION OF NEW WORK. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE GENERAL CONTRACTOR, & IS IN NO WAY INTENDED TO MEAN THAT DEMOLITION IS LIMITED ONLY TO THOSE ITEMS SPECIFICALLY IDENTIFIED. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO EXECUTE DEMOLITION WORK AS REQUIRED TO ALLOW THE EXECUTION OF NEW WORK.
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21. REFER TO DEMO SPECIFICATION FOR MORE INFORMATION.
22. BEFORE ANY DEMO, AT THE BEGINNING OF EACH PHASE, SCHEDULE PRE-DEMO MEETING W/ DESIGN TEAM & OWNERS. ALL AREAS TO BE DEMOLISHED SHALL BE CLEARLY DELINEATED. (IE: CHALK, PAINT, ETC.)
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24. REMOVE EXISTING CHAIN LINK FENCING AS SHOWN. DO NOT LEAVE ANY PORTION OF POST/CONC. IN GROUND. FILL HOLES AND COMPACT WITH APPROVED FILL AT LOCATIONS NOT IN CONFLICT WITH NEW BUILDING OR PAVING CONSTRUCTION.
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34. CONTRACTOR TO VERIFY ALL WIRING OR CONDUIT ON THE ROOF AFFECTED BY NEW CONSTRUCTION W/ USER AGENCY PRIOR TO DEMOLITION.

DEMOLITION LEGEND

EXISTING TO BE REMOVED

EXISTING TO REMAIN

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. GASAWAY
No. 33626
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

DEMOLITION FLOOR PLAN, ROOF PLAN, & ELEVATIONS

SHEET # D101

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REMOVE EXISTING OAK TREES IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING BASKETBALL COURT & CHAINLINK FENCE IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING GRAVEL ROAD IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

1 PHOTO
12" = 1'-0"

REMOVE EXISTING BASKETBALL COURT & CHAINLINK FENCE IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING GRAVEL ROAD IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

2 PHOTO
12" = 1'-0"

TEXT

3 PHOTO
12" = 1'-0"

REMOVE EXISTING PORTION OF CANOPY IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING SIDEWALK PORTION IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING RAMP IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

4 PHOTO

REMOVE EXISTING OAK TREE IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PORTION OF CANOPY, RAMP, AND SIDEWALK IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

5 PHOTO

REMOVE EXISTING OAK TREE IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

6 PHOTO
12" = 1'-0"

REMOVE EXISTING CANOPY PORTION IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING RAMP IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING SIDEWALK IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

7 PHOTO
12" = 1'-0"

REMOVE PORTION OF EXISTING ROOF IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING CANOPY IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PAVING PORTION IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING DOOR, DOOR FRAME & PORTION OF CMU WALL IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

8 PHOTO
12" = 1'-0"

REMOVE EXISTING PORTION OF ROOF & SOFFIT IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING CANOPY IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING DOOR & DOOR FRAME IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PORTION OF PAVING IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PORTION OF CMU WALL IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

9 PHOTO
12" = 1'-0"

REMOVE EXISTING CANOPY IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

EXISTING MECHANICAL YARD TO REMAIN

REMOVE EXISTING GRAVEL ROAD IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PORTION OF PAVING IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

10 PHOTO
12" = 1'-0"

REMOVE EXISTING PORTION OF ROOF IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PORTION OF CMU WALL IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING DOOR IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING CANOPY IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PAVING PORTION IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

11 PHOTO
12" = 1'-0"

REMOVE EXISTING CANOPY IN ITS ENTIRETY AND PREP FOR NEW CONSTRUCTION

EXISTING MECHANICAL YARD TO REMAIN

REMOVE EXISTING GRAVEL ROAD IN ITS ENTIRETY AND PREP FOR NEW CONSTRUCTION

12 PHOTO
12" = 1'-0"

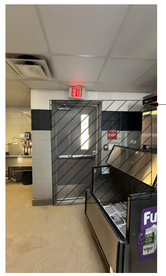
REMOVE EXISTING OAK TREE IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING PORTION OF CANOPY IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING RAMP IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

REMOVE EXISTING SIDEWALK PORTION IN ITS ENTIRETY & PREP FOR NEW CONSTRUCTION

13 PHOTO
12" = 1'-0"



REMOVE EXISTING DOOR, FRAME, & PORTION OF CMU WALL IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

14 PHOTO
12" = 1'-0"

REMOVE EXISTING DOOR & DOOR FRAME IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

15 PHOTO
12" = 1'-0"

REMOVE EXISTING DOOR, DOOR FRAME, & PORTION OF CMU WALL IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

16 PHOTO
12" = 1'-0"

REMOVE EXISTING DOOR, DOOR FRAME, & CMU WALL PORTION IN THEIR ENTIRETY & PREP FOR NEW CONSTRUCTION

17 PHOTO
12" = 1'-0"

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PROJECT No. 2412

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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

CHRISTOPHER P. [illegible] NO. [illegible] STATE OF LOUISIANA REGISTERED ARCHITECT

DEMOLITION PHOTOS

REVISIONS

SHEET # D102

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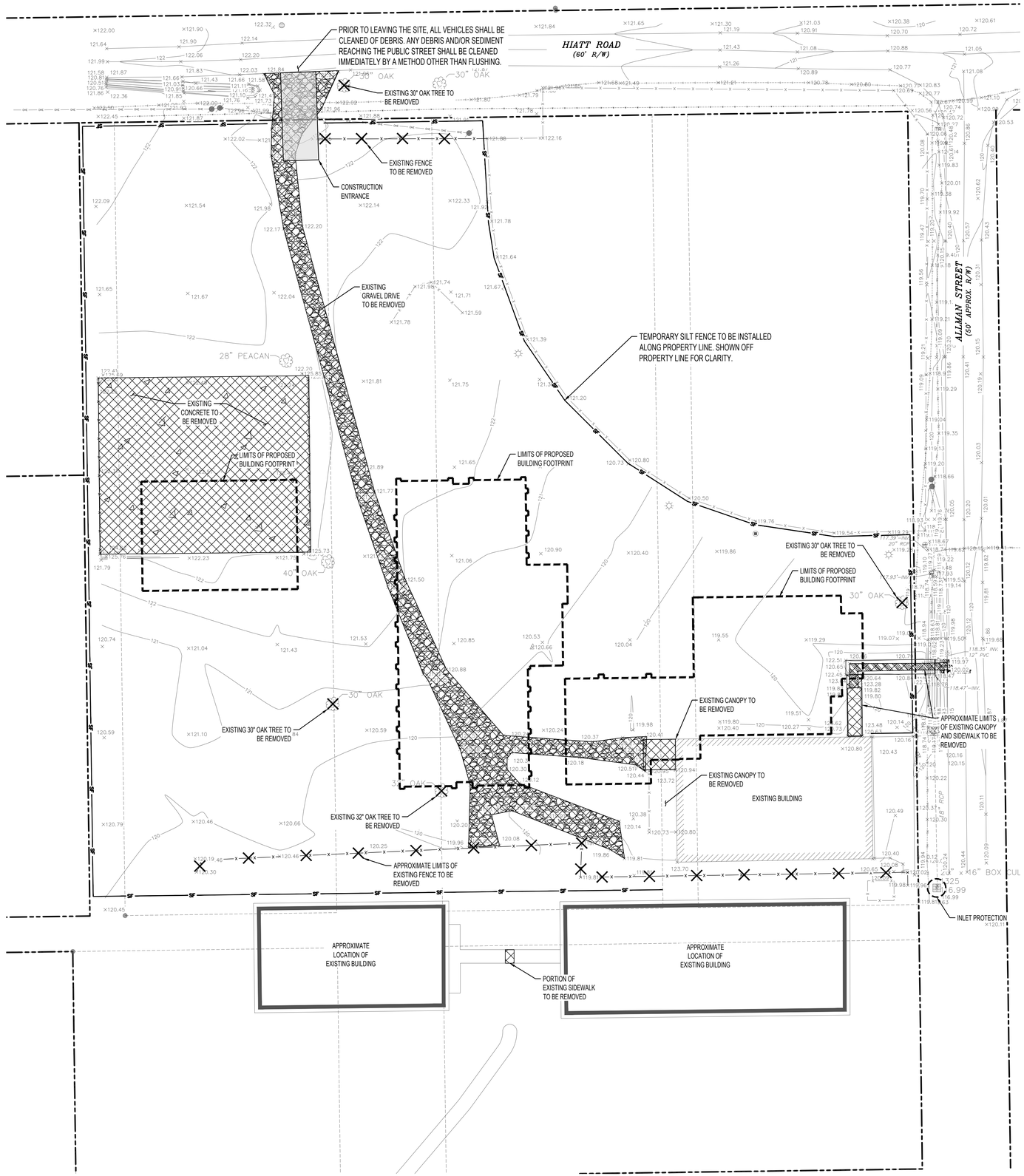

DEMOLITION NOTES

1. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY HIGH TIDE CONSULTANTS, LLC.
2. THE INTENT OF THE DEMOLITION PLAN IS TO IDENTIFY THOSE ITEMS ON THE SURVEY THAT WILL NEED TO BE REMOVED TO FACILITATE THE CONSTRUCTION OF THE NEW DEVELOPMENT.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL EXISTING MATERIALS NECESSARY TO FACILITATE CONSTRUCTION OF THE REQUIRED IMPROVEMENTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
5. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON SITE LOCATIONS OF THE EXISTING UTILITIES.
6. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAYBE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES.
7. ALL AREAS WHERE PAVEMENT, STRUCTURAL SLABS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEN REMOVED SHALL BE BACKFILLED WITH STRUCTURAL FILL MATERIAL. ALL STRUCTURAL FILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF THE SITE SPECIFICATIONS.
8. ADEQUATE EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES.
9. ANY DAMAGE TO EXISTING IMPROVEMENTS TO REMAIN SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. IMPROVEMENTS SHALL BE EQUAL TO OR BETTER THAN EXISTING.
10. PRIOR TO THE BEGINNING OF DEMOLITION, CONTRACTOR SHALL LOCATE AND MARK LIMITS OF CONSTRUCTION. NO CONSTRUCTION ACTIVITIES SHALL TAKE PLACE OUTSIDE OF THOSE LIMITS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE COMPLETE SCOPE OF SERVICES.
12. PRIOR TO ANY WORK, THE CONTRACTOR SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM AT 811. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.
13. THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING ON SITE WITH ALL UTILITY COMPANIES TO COORDINATE REMOVAL AND RELOCATION BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN.
14. DEPTHS OF REMOVAL OF FOUNDATIONS SPECIFIED ABOVE ARE MINIMUM DEPTHS. CONTRACTOR SHALL REMOVE ALL DEBRIS AND FOUNDATIONS AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS INCLUDING PROPOSED BUILDING UTILITIES AND FOUNDATIONS.

EROSION CONTROL NOTES:

1. SEDIMENT AND EROSION CONTROL FACILITIES AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES DURING THE ENTIRE CONSTRUCTION PERIOD. FACILITIES ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT.
3. ADDITIONAL EROSION CONTROL BMP'S MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
4. SILT FENCES SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO 1' FROM THE BOTTOM OF THE FENCE.
5. EROSION CONTROL MEASURES ARE TO BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPAIRED AS NECESSARY.
6. ALL GRADED AREAS SHALL BE STABILIZED WITH A PERMANENT FAST GROWING COVER AND/OR MULCH UPON COMPLETION OF GRADING OPERATIONS. COMPLETION OF GRADING OPERATIONS DOES NOT MEAN AT THE END OF THE PROJECT. AS SOON AS FINAL GRADES ARE ESTABLISHED IN AN UNPAVED AREA, THE CONTRACTOR SHALL STABILIZE WITH A TEMPORARY GRASS OR PERMANENT SOD. IF A TEMPORARY GRASS IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOD AT THE PROPER TIME OF YEAR.
7. FILL SLOPES SHOULD BE PLANTED AS SOON AS AN AREA OF THE SITE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF SHALL BE INTERCEPTED AT THE TOP OF TEMPORARY AND PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE FACE.
8. THE GENERAL CONTRACTOR AND THE GRADING CONTRACTOR SHALL REVIEW THEIR GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS DISTURBED WITHOUT PERMANENT STABILIZATION.
9. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION ENTRANCES PRIOR TO ANY EARTHWORK OPERATIONS.
10. CONTRACTOR SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL ACCEPTED BY THE OWNER AT NO EXPENSE TO OWNER.
11. CONTRACTOR SHALL INSPECT ON A DAILY BASIS FOR NEEDED REMOVAL OF ANY ACCUMULATED SILTS, DEBRIS, OR REPAIR OF DAMAGED SILT FENCE AT NO ADDITIONAL EXPENSE TO OWNER.
12. PRIOR TO CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN HEREON SHALL BE IN PLACE. CLEARING AND GRUBBING OPERATIONS WILL BE ENGAGED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN HEREON UNTIL ALL SUCH MEASURES ARE IN PLACE.
13. LAND DISTURBING ACTIVITIES WILL BE KEPT TO A MINIMUM AND WILL NOT EXTEND BEYOND THE LIMITS SHOWN.
14. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS AND WILL BE REPAIRED, ADJUSTED AND MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION AND SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
15. THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL LADEQ NPDES PERMITTING REQUIREMENTS.

LEGEND

- PROPERTY LINE
- LIMITS OF BUILDING FOOTPRINT
- SF — SILT FENCE
- CONSTRUCTION ENTRANCE
- INLET PROTECTION
- EXISTING SITE FEATURE TO BE REMOVED

SCALE IN FEET
30 15 0 30 60 90

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BMP MAINTENANCE EROSION NOTES:

ALL MEASURES STATED ON THIS SITE MAP SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION & SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, & REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES & BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, & RESEEDED AS NEEDED.
3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING & STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING & STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
6. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS &/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

BRANDON S. GUIN
REG. No. 31745
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
STATE OF LOUISIANA

PROFESSIONAL OF RECORD

REVISIONS

DEMO/EROSION CONTROL PLAN

SHEET # C-1

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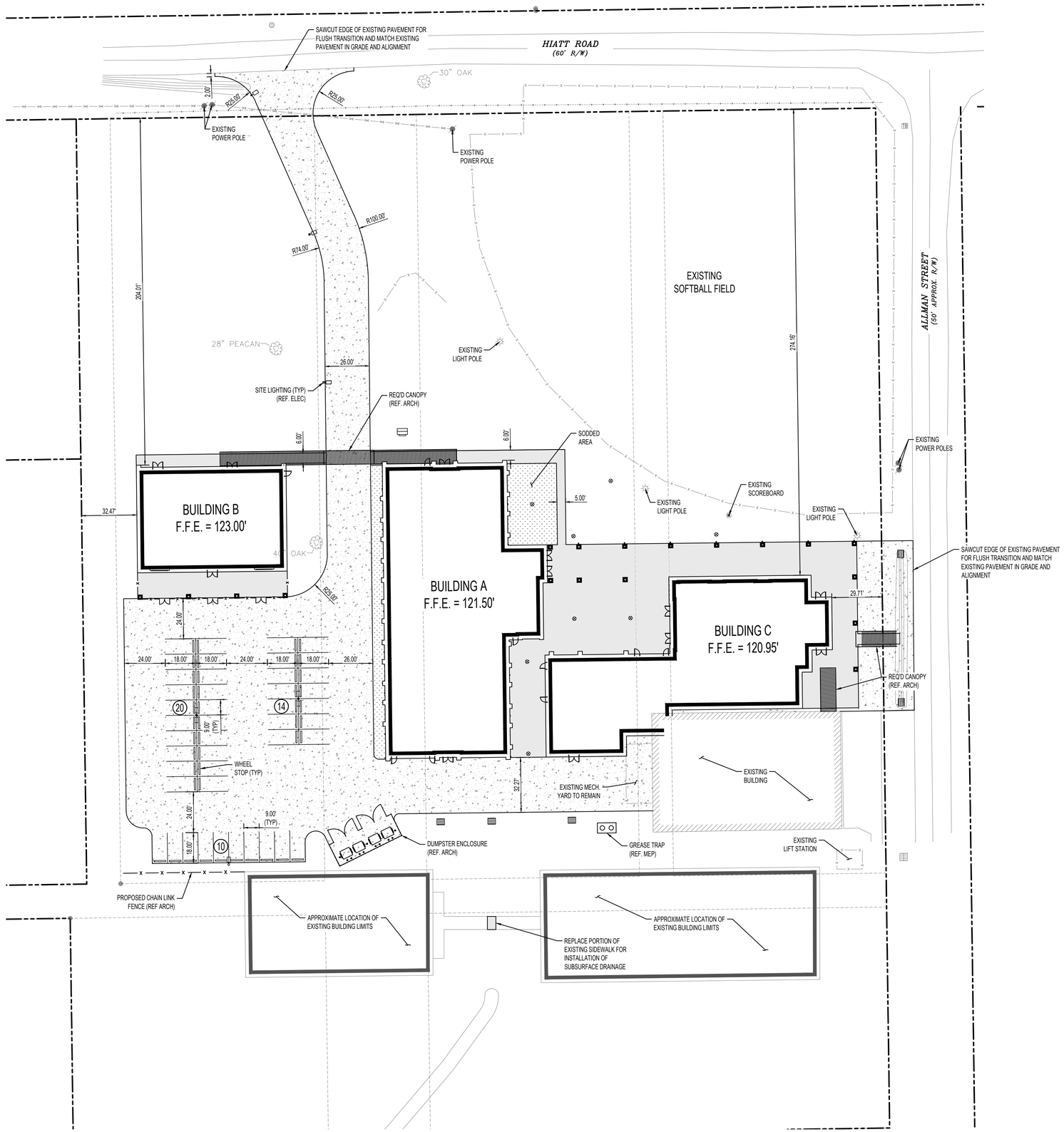

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HTC JOB # 25-373

SITE NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL TANGIPOHOA PARISH REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
4. ALL CURBED RADII ARE TO BE 10' UNLESS OTHERWISE NOTED. STRIPED RADII ARE TO BE 5'.
5. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
6. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SCOPE AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
8. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY HIGH TIDE CONSULTANTS, LLC.
9. REFER TO ARCH. PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
10. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING BENCHMARK.
11. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION.
12. SEE COVER SHEET FOR LIST OF UTILITY COMPANIES AND CONTACT PERSONS.
13. ALL DIMENSIONS TO BUILDING ARE TO OUTSIDE FACE OF BUILDING.
14. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
15. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL AREAS INDICATED TO REMAIN UNDISTURBED OR TO REMAIN AS BUFFERS, ALL PROPERTY CORNERS, AND REPLACING ALL PINS DAMAGED OR ELIMINATED DURING CONSTRUCTION.
16. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
17. THE SITE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, IRRIGATIONS SYSTEMS, AND ANY OTHER MISCELLANEOUS UTILITIES) SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL, AND THE PLACEMENT OF ANY APPROPRIATE SOIL STABILIZATION TECHNIQUE.
18. THE CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.
19. ALL STRIPING SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
20. ANY WORK IN THE RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT'S STANDARD DRAWINGS AND SPECIFICATIONS.
21. CONTRACTOR SHALL REMOVE PAVEMENT AND CONCRETE IN ACCORDANCE WITH LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT STANDARD SPECIFICATIONS (LSSRB).

LEGEND

- PROPERTY LINE
- PROPOSED BUILDING
- (10) PARKING COUNT
- x — x — x — CHAIN LINK FENCE
- STANDARD DUTY CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- SOD

SCALE IN FEET
30 15 0 30 60 90

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20 CLASSROOM ADDITION
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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA
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IN
CIVIL ENGINEERING

REVISIONS

SITE PLAN

SHEET # C-2

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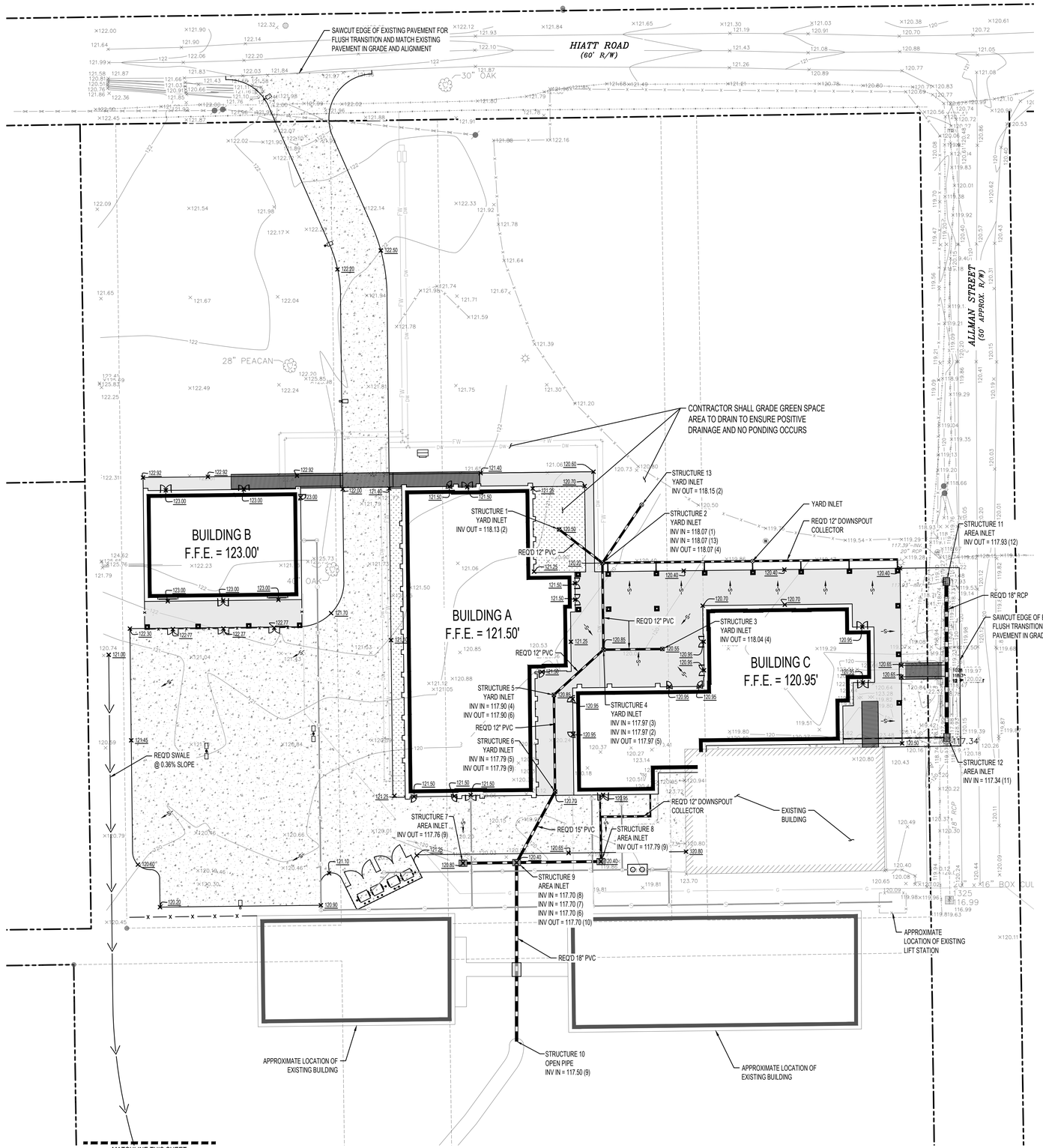

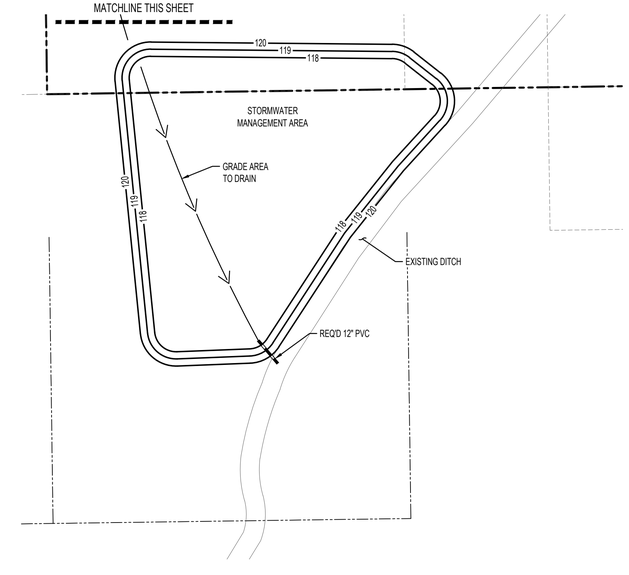

GRADING NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING FEATURES, INCLUDING REMOVAL OF ANY EXISTING UTILITIES UNLESS OTHERWISE NOTED ON THE PLANS. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY LIMITS.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
4. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
5. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
6. IF ANY EXISTING STRUCTURES SHOWN TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
7. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
8. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
9. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
10. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
11. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY HIGH TIDE CONSULTANTS, LLC. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
12. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS ESTABLISHED.
13. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
14. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES.
15. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
16. ALL PIPES AND STRUCTURES WITHIN THE STREET RIGHT-OF-WAY SHALL BE PER LOUISIANA DEPARTMENT OF TRANSPORTATION STANDARDS & SPECIFICATIONS (LSSRB), LATEST EDITION AND LADOTD STANDARD DETAILS.
17. DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH SPECIFICATIONS PROVIDED. REFER TO DETAIL SHEETS FOR DETAILS OF AREA INLETS AND MANHOLES. ALL INLET FRAMES AND GRATES SHALL BE VULCAN FOUNDRY CORP. CATALOG # V-4863 OR EQUAL.

LEGEND - PROPOSED IMPROVEMENTS

PROPERTY LINE		10.50'	SPOT ELEVATION
PROPOSED BUILDING		HP / GB	HIGH POINT / GRADE BREAK
STORM DRAIN PIPE		-S-	SLOPE ARROW
DOWNSPOUT COLLECTOR N-12 PIPE (12" TRUNK W/ 8" LATERAL CONNECTIONS)		W	WATER LINE
		S	SANITARY SEWER LINE
		G	GAS LINE
		UE	UNDERGROUND ELECTRICAL LINE

ALL SIDEWALKS CROSS SLOPE SHALL NOT EXCEED 2% IN THE TRANSVERSE DIRECTION AND 5% IN THE LONGITUDINAL DIRECTION.

SCALE IN FEET
30 15 0 30 60 90

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20 CLASSROOM ADDITION
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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA
BRANDON S. GUIN
REG. No. 31745
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IN
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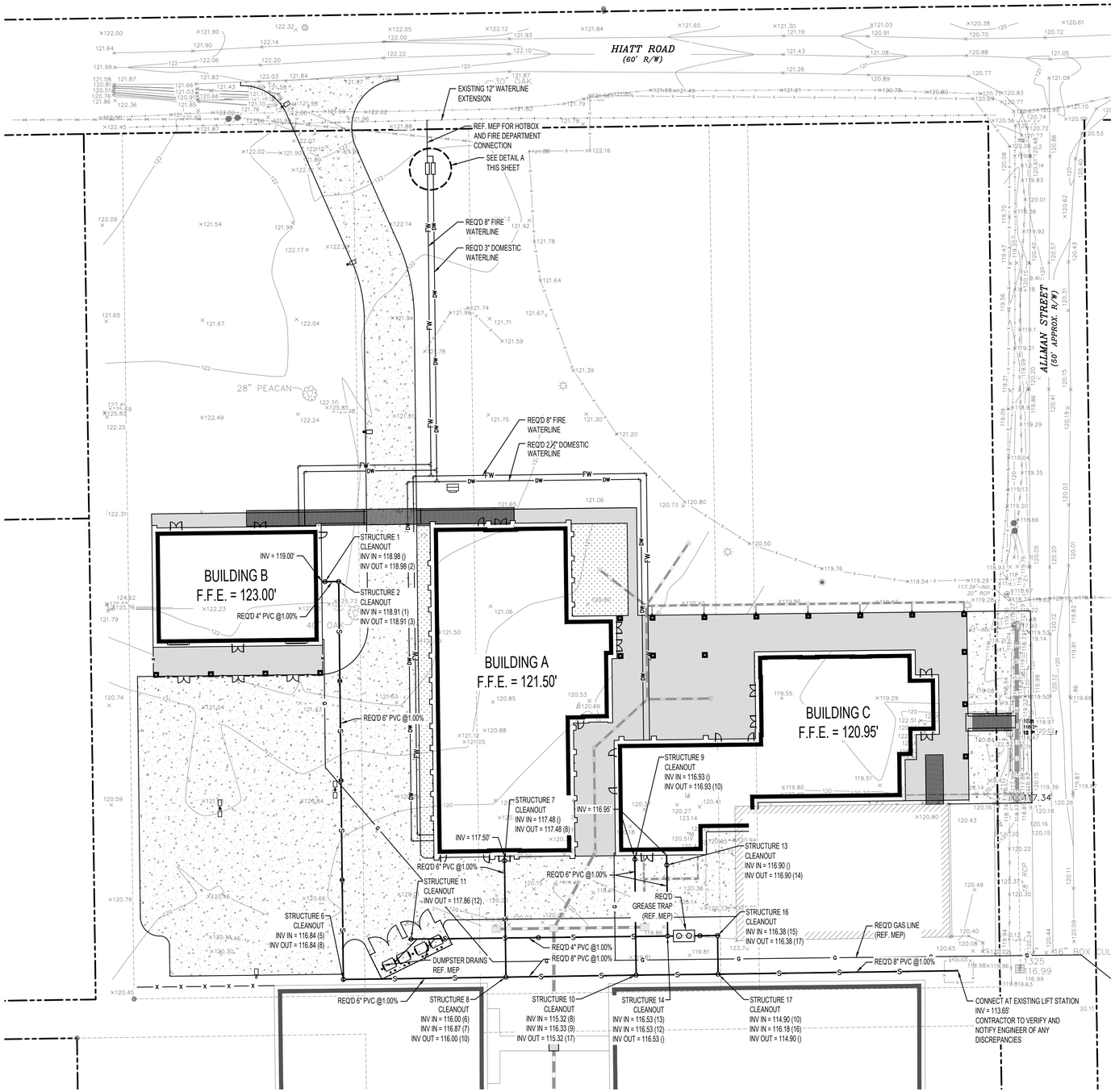
REVISIONS

GRADING PLAN

SHEET # C-3



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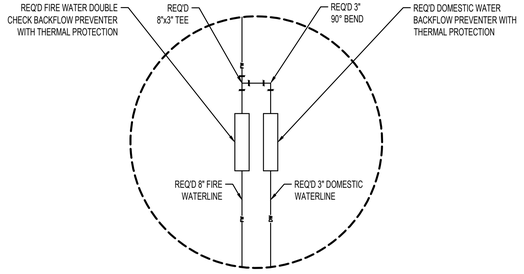
HTC JOB # 25-373

UTILITY NOTES

1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. ALL SEWER UTILITY WORK SHALL BE DONE TO THE TANGIPAHOA PARISH STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
   - 6" PVC SCHEDULE 40
5. WATER LINES SHALL BE AS FOLLOWS:
   - 6" OR GREATER, EITHER COPPER TUBE TYPE "L" (SOFT) PER ANSI 816.22, OR PVC, 200 P.S.I., PER ASTM D1784 AND D2241.
6. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
7. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS. ALL WATER VALVES SHALL BE INSTALLED IN A CAST IRON VALVE BOX WITH COVER.
8. ALL WATER AND SANITARY SEWER UTILITIES SHOULD MAINTAIN A MINIMUM TEN (10') OF HORIZONTAL SEPARATION OR, WHEN CROSSING, 18" OF VERTICAL SEPARATION (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
9. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4'-0" COVER ON ALL WATERLINES.
10. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50).
11. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
12. TOPS OF EXISTING MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS. IN UNPAVED AREAS, EXISTING MANHOLE TOPS SHALL BE 6" ABOVE FINISHED GROUND ELEVATIONS AND CONTAIN WATER TIGHT LIDS.
13. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
14. REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR EXACT BUILDING TIE-IN LOCATIONS OF ALL UTILITIES.
15. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
16. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
17. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO BUILDING OCCUPANCY.
18. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
19. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
20. CONTRACTOR SHALL COORDINATE WITH XXXX FOR TIE-IN LOCATIONS TO PUBLIC UTILITIES PRIOR TO COMMENCEMENT OF WORK.
21. EXISTING PUBLIC WATER LINE SHOWN IS BASED ON APPROXIMATE LOCATION PER MAP PROVIDED BY XXXX. EXACT SIZE AND LOCATION SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.
22. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY HIGH TIDE ONSULTANTS, LLC. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.



DETAIL A
N.T.S

LEGEND - PROPOSED IMPROVEMENTS

- PROPERTY LINE
- PROPOSED BUILDING
- S — SANITARY SEWER LINE
- G — GAS LINE
- UT — UNDERGROUND TELEPHONE LINE

SCALE IN FEET
30 15 0 30 60 90

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SHEET # C-4

UTILITY PLAN

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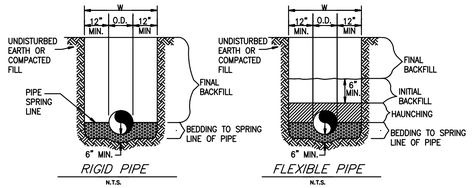


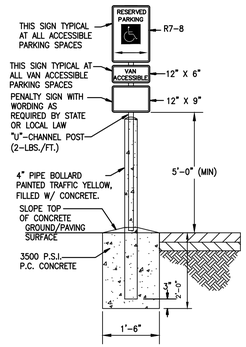
GENERAL NOTES

1. BEDDING SHALL BE CLASS I–A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I–B COMPACTED TO 95% STANDARD PROCTOR.
2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I–A OR CLASS I–B OR CLASS II COMPACTED TO 95% PROCTOR.
3. INITIAL BACKFILL UNDER PAVED AREAS SHALL BE CLASS I–A WORKED BY HAND, OR CLASS I–B OR CLASS II COMPACTED TO 95% STANDARD PROCTOR.
4. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
5. FINAL BACKFILL UNDER PAVED AREAS SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
6. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV–A COMPACTED TO 95% STANDARD PROCTOR.
7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321–LATEST EDITION.
8. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV–A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
9. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.
11. GEOTECH FABRIC TO BE USED UNDER BEDDING MATERIAL WHEN UNSUITABLE SOILS ARE ENCOUNTERED OR A STABLE NON–YIELDING FOUNDATION CANNOT BE OBTAINED.
12. HAUNCHING FOR FLEXIBLE PIPE SHALL BE WORKED A MINIMUM OF 6" ABOVE THE TOP OF PIPE OR PER THE MANUFACTURER'S RECOMMENDATION, WHICHEVER IS MORE STRINGENT.

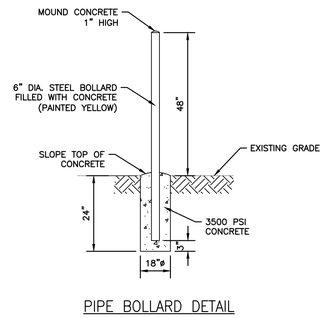
*SEE CHART ON FILL TYPES

STORM SEWER TRENCH AND BEDDING
N.T.S.

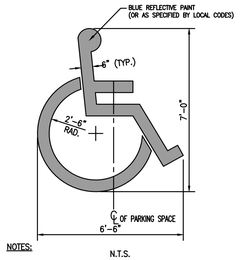
CLASS	TYPE	SOIL GROUP SYMBOL D2487	DESCRIPTION
1A	MANUFACTURED AGGREGATES; OPEN–GRADED, CLEAN	NONE	ANGULAR,CRUSHED STONE OR ROCK, CRUSHED GRAVEL, BROKEN CORAL, CRUSHED SLAG, CINDERS OR SHELLS; LARGE VOID CONTENT, CONTAIN LITTLE OR NO FINES
1B	MANUFACTURED, PROCESSED AGGREGATES: DENSE–GRADED, CLEAN.	NONE	ANGULAR,CRUSHED STONE (OR OTHER CLASS 1A MATERIALS) AND STONE/SAND MIXTURES WITH GRADATIONS SELECTED TO MINIMIZE MIGRATION OF ADJACENT SOILS; CONTAIN LITTLE OR NO FINES (SEEX1.8)
II	COARSE–GRAINED SOILS CLEAN	GW	WELL–GRADED GRAVELS AND GRAVEL–SAND MIXTURES; LITTLE OR NO FINES
		GP	POORLY–GRADED GRAVELS AND GRAVEL–SAND MIXTURES; LITTLE OR NO FINES
		SW	WELL–GRADED SANDS AND GRAVELY SANDS; LITTLE OR NO FINES (NO. 200 SIEVE)
		SP	POORLY–GRADED SANDS AND GRAVELY SANDS; LITTLE OR OR NO FINES (NO. 200 SIEVE)
	COARSE–GRAINED SOILS BORDERLINE CLEAN TO W/ FINES	e.g. GW–GC, SP–SM	SANDS AND GRAVELS WHICH ARE BORDERLINE BETWEEN CLEAN AND WITH FINES
III	COARSE–GRAINED SOILS WITH FINES	GM	SILTY GRAVELS, GRAVEL–SAND–SILT MIXTURES
		GC	CLAYEY GRAVELS, GRAVEL–SAND–CLAY MIXTURES
		SM	SILTY SANDS, SAND–SILT MIXTURES
		SC	CLAYEY SANDS, SAND–CLAY MIXTURES
IV–A	FINE–GRAINED SOILS (INORGANIC)	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY
		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
IV–B	FINE–GRAINED SOILS (INORGANIC)	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
V	ORGANIC SOILS	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
		OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
	HIGHLY ORGANIC	PT	PEAT AND OTHER HIGH ORGANIC SOILS.



ACCESSIBLE PARKING SIGN
N.T.S.



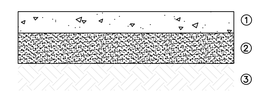
PIPE BOLLARD DETAIL
N.T.S.



NOTES:
N.T.S.

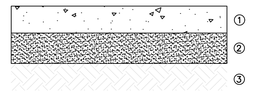
1. VERIFY SYMBOL REQUIREMENTS WITH LOCAL JURISDICTION.
2. ADD "VAN" LETTERING WHERE INDICATED ON SITE PLAN.
3. LOCATE SYMBOL AT THE EDGE OF PARKING SPACE UNLESS ACCOMPANIED BY "VAN" LETTERING.

ACCESSIBLE PARKING SYMBOL DETAIL



1. 6" THK. PORTLAND CEMENT CONCRETE PAVEMENT
2. 12" (MIN.) COMPACTED GRANULAR FILL (SAND) UNDERLAIN BY GEOTEXTILE FABRIC
3. PROPERLY PROOFROLLED EXISTING SUBGRADE

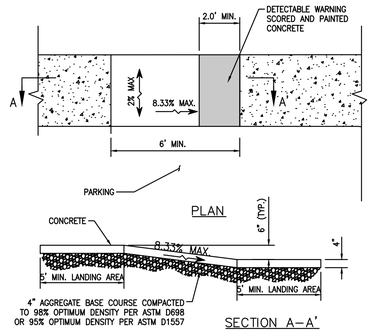
TYPICAL LIGHT DUTY PAVEMENT
(N.T.S.)



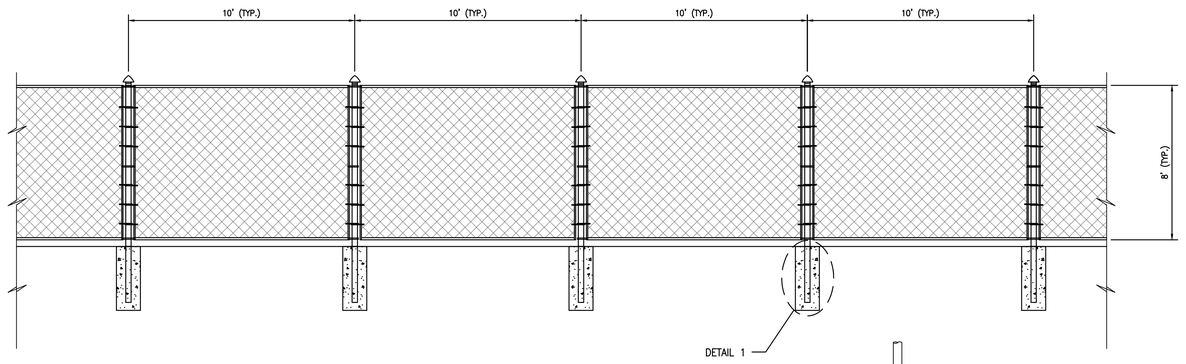
1. 8" THK. PORTLAND CEMENT CONCRETE PAVEMENT
2. 12" (MIN.) COMPACTED GRANULAR FILL (SAND) UNDERLAIN BY GEOTEXTILE FABRIC
3. PROPERLY PROOFROLLED EXISTING SUBGRADE

TYPICAL HEAVY DUTY PAVEMENT
(N.T.S.)

NOTES:
1. PRIOR TO BASE COURSE PLACEMENT, SUBGRADE PREPARATION SHALL BE EXECUTED AS OUTLINED IN THE SITE PREPARATION NOTES.
2. THE CONCRETE SHOULD HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
3. THE SAND BASE UNDER THE PAVEMENT SHALL MEET THE EMBANKMENT FILL REQUIREMENTS OF LSSRB, SECTION 1003.09. THE BASE SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY ASTM D698 (STANDARD PROCTOR) WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT.



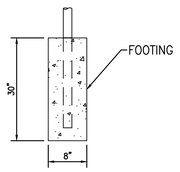
ADA RAMP IN SIDEWALK
NTS



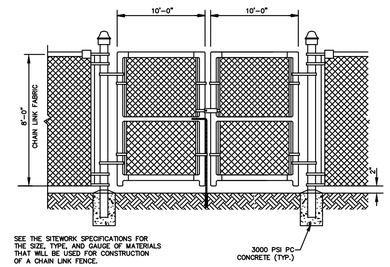
NOTES:

1. ALL FENCING SHALL BE 8' TALL, 9 GAUGE, 2" DIAMOND MESH, KNUCKLE & KNUCKLE ON TOP & BOTTOM, & RECEIVE A TOP RAIL PIPE AND A BOTTOM TENSION WIRE. POST & GATE POST.
2. TYPICAL LINE POST SPACING SHALL BE 10' O.C.
3. TERMINAL POST & CORNER POST SHALL BE 3". LINE POST SHALL BE 1 5/8".
4. ALL CONCRETE SHALL BE 3,000 PSI MIN. COMPRESSIVE STRENGTH.

8 FT HIGH FENCE DETAIL
N.T.S.



DETAIL 1
N.T.S.



10' DOUBLE GATE DETAIL
N.T.S.

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HTC JOB # 25-373

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

DETAILS

SHEET # D-1.0

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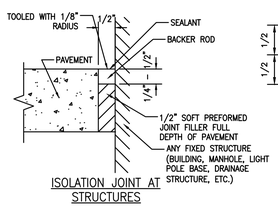
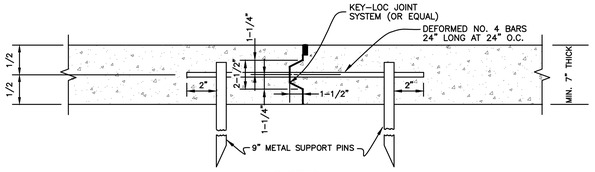
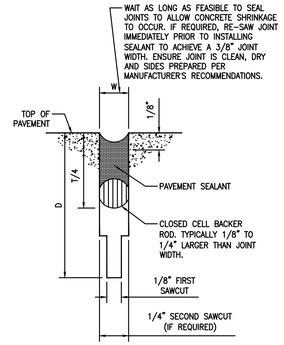


ISOLATION JOINT AT STRUCTURES

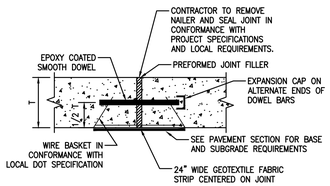


LONGITUDINAL CONSTRUCTION JOINT



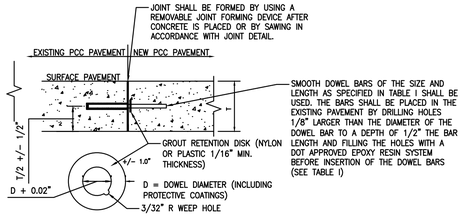
NOTES:
1. ENSURE JOINTS ARE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE JOINT SEALANT.
2. INSTALL CLOSED CELL BACKER ROD AFTER JOINTS HAVE BEEN CLEANED AND DRIED IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.
3. INSTALL BACKER ROD AT CONSISTENT AND UNIFORM DEPTH.
4. JOINT SEALANT APPLICATION SHALL BE IN STRICT COMPLIANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.

JOINT DETAIL



NOTE:
EXPANSION JOINTS TO BE PLACED AT ALL RADIUS POINTS, OR MAXIMUM 180' O.C. SPACING.

EXPANSION JOINT DETAIL



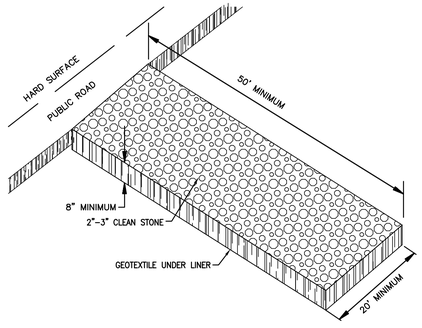
BUTT JOINT DETAIL

TABLE 1

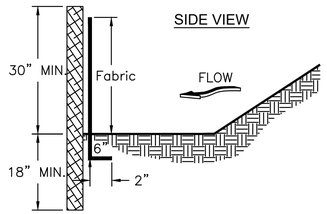
PAVEMENT THICKNESS	SMOOTH DOWEL BARS			MINIMUM JOINT DEPTH
" T " (IN)	SIZE ø (IN)	LENGTH (IN)	SPACING (IN)	" D " (IN)
5"	1/2"	12"	18"	1 1/2"
6"	3/4"	14"	12"	1 3/4"
7"	1"	16"	12"	2"
8"	1 1/4"	18"	12"	3"
9"	1 1/4"	18"	12"	3"
10"	1 1/4"	18"	12"	3 1/4"

NOTES:
1. JOINTS SHALL BE SAWCUT AS SOON AS THE CONCRETE HAS REACHED SUFFICIENT STRENGTH TO SUPPORT THE SAWING EQUIPMENT AND TEARING OF CONCRETE DOES NOT OCCUR.
2. GEOTEXTILE FABRIC SHALL BE CONSTRUCTED OF NON-WOVEN POLYPROPYLENE FIBERS RESISTANT TO CHEMICAL ATTACK, MILDEW, AND ROT. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A GEOTEXTILE MATERIAL SUBMITTAL FOR APPROVAL.
3. CONSTRUCT EXPANSION, WEAKENED PLANE CONTROL (CONTRACTION), AND CONSTRUCTION JOINTS STRAIGHT WITH FACE PERPENDICULAR TO CONCRETE SURFACE.
4. CONSTRUCT CONTROL JOINTS FOR DEPTH EQUAL TO AT LEAST 1/4 OF THE CONCRETE THICKNESS AS FOLLOWS:
   A. FORM TOOLED JOINTS IN FRESH CONCRETE BY GROOVING TOP WITH RECOMMENDED TOOL AND FINISHING EDGE WITH JOINTER.
   B. FORM SAWED JOINTS USING POWERED SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND RIMMED BLADES. CUT JOINTS INTO HARDENED CONCRETE AS SOON AS SURFACE WILL NOT BE TORN, ABRADED, OR OTHERWISE DAMAGED BY CUTTING ACTION.
5. CONSTRUCTION JOINTS: PLACE CONSTRUCTION JOINTS AT END OF PLACEMENTS AND AT LOCATIONS WHERE PLACEMENTS OPERATIONS ARE STOPPED FOR PERIOD OF MORE THAN 1/2 HOUR, EXCEPT WHERE SUCH PLACEMENTS TERMINATE AT EXPANSION JOINTS. CONSTRUCT JOINTS IN ACCORDANCE WITH DETAILS.
6. EXPANSION JOINTS: LOCATE EXPANSION JOINTS AT MAXIMUM OF 180'-0" ON CENTERS, MAXIMUM EACH WAY UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS. PROVIDE PRE-MOLDED JOINT FILLER FOR EXPANSION JOINTS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, SIDEWALKS, AND OTHER FIXED OBJECTS.
7. BUTT JOINTS: FOR JOINTS AGAINST EXISTING PAVEMENT, PLACE DOWELS OF THE SIZE INDICATED IN TABLE 1 INTO HOLES DRILLED INTO CENTER OF EXISTING SLAB. EPOXY DOWELS INTO HOLES WITH APPROVED EPOXY COMPOUND. PLACE DOWELS PRIOR TO CONCRETE PLACEMENT FOR NEW CONCRETE. DOWEL SPACING TO BE AS INDICATED IN TABLE 1. SAW JOINTS AND FILL WITH JOINT SEALER.
8. JOINT FILLERS: EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT, AND NOT LESS THAN 1/2-INCH OR MORE THAN 1-INCH BELOW FINISHED SURFACE WHERE JOINT SEALER IS INDICATED. FURNISH JOINT FILLERS IN 1 PIECE LENGTHS FOR FULL WIDTH BEING PLACED, WHEREVER POSSIBLE. WHERE MORE THAN 1 LENGTH IS REQUIRED LACE OR CLIP JOINT FILLER SECTIONS TOGETHER.
9. JOINT SEALANTS: JOINTS SHALL BE SEALED WITH APPROVED EXTERIOR PAVEMENT JOINT SEALANTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
10. DOWELS SHALL NOT BE PLACED CLOSER THAN 12" TO A JOINT INTERSECTION.

CONCRETE JOINT DETAILS
N.T.S.

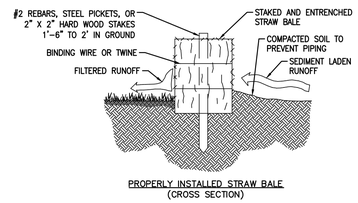


TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
3. LOCAL REGULATIONS OFTEN TAKE PRECEDENCE OVER FEDERAL LAW AND MAY INCLUDE ADDITIONAL SPECIFIC REQUIREMENTS.

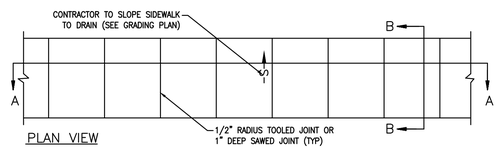
SILT FENCE DETAIL
N.T.S.



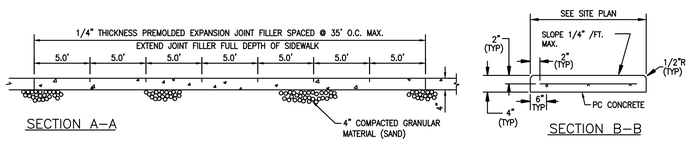
PROPERLY INSTALLED STRAW BALE
(CROSS SECTION)

POINT "A" SHALL BE HIGHER THAN POINT "B"
PROPER PLACEMENT OF STRAW BALE BARRIER IN DRAINAGE WAY

STRAW BALE BARRIER
N.T.S.



PLAN VIEW



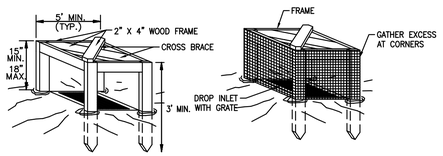
SECTION A-A

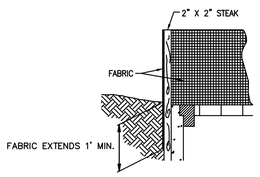
SECTION B-B

NOTE:
REINFORCEMENT WILL BE No. 3 BARS 24" O.C. EACH WAY MAX. SPACING, OR 6 x 6 - W1.4 X W1.4 WWF

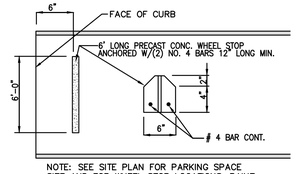
NOTES:
1. TO BE USED FOR ALL SIDEWALKS THROUGHOUT SITE, WIDTHS SHALL BE AS DENOTED ON PLAN.
2. CONCRETE SHALL BE PORTLAND CEMENT CONCRETE (CLASS M), 3000 PSI, PER LSSRB LATEST EDITION.

CONCRETE SIDEWALK
N.T.S.





SILT FENCE INLET PROTECTION- UNPAVED AREAS
N.T.S.



NOTE: SEE SITE PLAN FOR PARKING SPACE SIZE AND FOR WHEEL STOP LOCATIONS. PAINT WHEEL STOPS OSHA YELLOW

CONCRETE WHEEL STOP
N.T.S.

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HTC JOB # 25-373

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
BRANDON S. GUIN
REG. No. 31745
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

REVISIONS

DETAILS
SHEET # D-1.1

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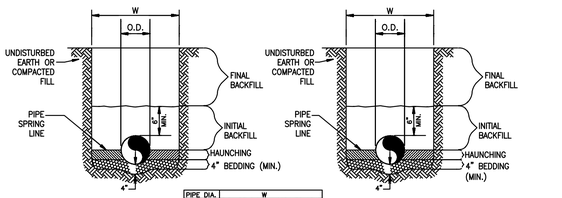


PIPE DIA.	W
≤12"	O.D. OF PIPE + (12" TO 18")
>12"	≥ O.D. OF PIPE + 18"

WATER LINE

N.T.S.

SANITARY SEWER

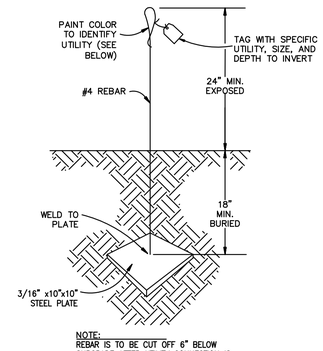
N.T.S.

GENERAL NOTES

1. BEDDING SHALL BE CLASS I–A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I–B COMPACTED TO 85% STANDARD PROCTOR.
2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I–A OR CLASS I–B OR CLASS II COMPACTED TO 85% PROCTOR.
3. INITIAL BACKFILL SHALL BE CLASS I–A WORKED BY HAND, OR CLASS I–B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
4. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
5. FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
6. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV–A COMPACTED TO 95% STANDARD PROCTOR.
7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321–89.
8. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV–A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
9. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

UTILITY TRENCH AND BEDDING

N.T.S.



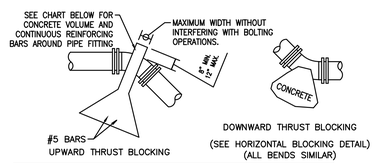
NOTE:
REBAR IS TO BE CUT OFF 6" BELOW SUBGRADE AFTER UTILITY CONNECTION IS COMPLETED AND PRIOR TO PAVING

USE AT CAPPED END OF ALL UTILITY SERVICE CONNECTIONS TO/FROM STORES.

UTILITY	COLOR
SEWER	GREEN
WATER	BLUE
STORM DRAIN	WHITE
ELECTRICAL	RED
GAS	YELLOW
TELCO/CATV	ORANGE
FUTURE SITE LIGHTING	PINK
FIBER OPTIC (GAS STATION)	PURPLE

UTILITY MARKING DETAIL

N.T.S.



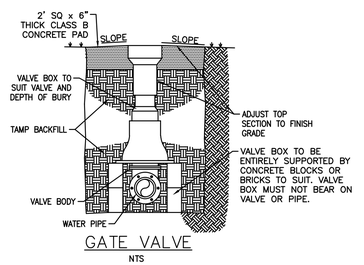
UPWARD THRUST BLOCKING (REQUIRED REINFORCING BARS & CUBIC YARDS OF P.C. CONCRETE)											
PIPE SIZE	90° BEND			45° BEND			22 ½° BEND			11 ¼° BEND		
	CONC. C.Y.	REINF QTY.	REINF SIZE	CONC. C.Y.	REINF QTY.	REINF SIZE	CONC. C.Y.	REINF QTY.	REINF SIZE	CONC. C.Y.	REINF QTY.	REINF SIZE
6	1.9	4	5	1.2	4	5	0.6	4	5	0.3	4	5
8	3.3	4	5	1.9	4	5	1.0	4	5	0.6	4	5
10	5.3	6	5	2.9	4	5	1.4	4	5	0.7	4	5
12	7.6	6	5	4.3	6	5	2.2	4	5	1.2	4	5

NOTES:

1. DO NOT COVER BELLS OR FLANGES WITH CONCRETE
2. WRAP ALL FITTINGS WITH VISQUEEN.
3. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
4. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
5. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
6. REACTION BACKING TABLE IS BASED ON 200 P.S.I. AND SOIL BEARING PRESSURE OF 2000 lb./sq.ft. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
7. ALL CONCRETE SHALL BE 2500 P.S.I.
8. 18" AND LARGER REQUIRES SPECIFIC ANTI–THRUST DESIGN.

VERTICAL THRUST BLOCKING

N.T.S.

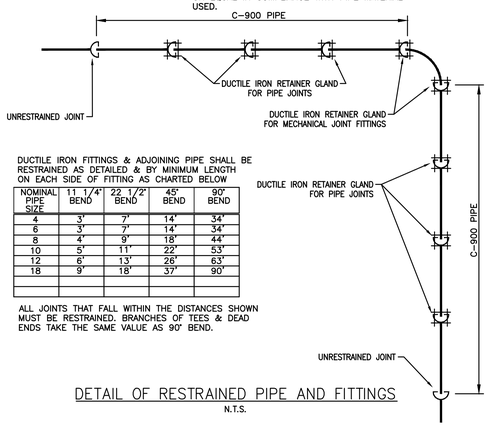


GATE VALVE

NTS

NOTES:

1. DISTANCES OF RESTRAINTS SHALL BE REQUIRED ON EVERY JOINT(S) ON EACH SIDE OF FITTING, IN ADDITION TO CONCRETE OR TIMBER BLOCKING.
2. RESTRAINTS NOT REQUIRED INSIDE OF CASING WHEN FITTING OR PIPE IS RODDED TO CASING ENDS.
3. RESTRAIN TEE WHEN USED AS A 90° BEND,DEAD END, OR AS NOTED ON PLANS.
4. AT ALL ROAD CROSSINGS AND WHERE NOTED ON PLANS, FITTINGS NOTED ON PLANS.
5. TIE–INS SHALL BE RESTRAINED AS IF A 90° BEND
6. RESTRAINT SYSTEM:
   EITHER: (A) RODS FOR USE WITH MECHANICAL JOINT FITTINGS – 2 REQUIRED –5/8" DIA. STAINLESS STEEL FOR 8" PIPE & BELOW
   (B) RETAINER GLAND: USE EBBA IRON, UNI–FLANGE OR EQUAL IN COMPLIANCE WITH PIPE MATERIAL USED.



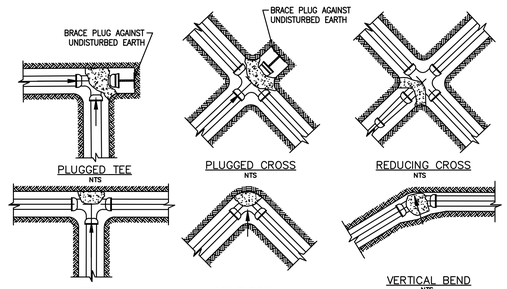
DUCTILE IRON FITTINGS & ADJOINING PIPE SHALL BE RESTRAINED AS DETAILED & BY MINIMUM LENGTH ON EACH SIDE OF FITTING AS CHARTED BELOW

NOMINAL PIPE SIZE	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND
4	3'	7'	14'	34'
6	3'	7'	14'	34'
8	4'	9'	18'	44'
10	5'	11'	22'	53'
12	6'	13'	26'	63'
18	9'	18'	37'	90'

ALL JOINTS THAT FALL WITHIN THE DISTANCES SHOWN MUST BE RESTRAINED. BRANCHES OF TEES & DEAD ENDS TAKE THE SAME VALUE AS 90° BEND.

DETAIL OF RESTRAINED PIPE AND FITTINGS

N.T.S.



PLUGGED TEE
NTS

PLUGGED CROSS
NTS

REDUCING CROSS
NTS

TEE
NTS

90° ELBOW
NTS

VERTICAL BEND
NTS

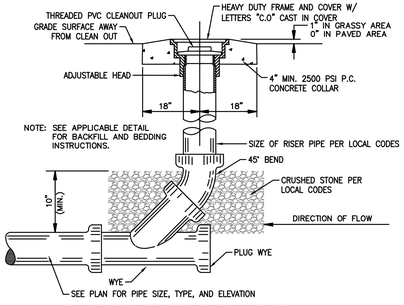
1. ALL BLOCKS MUST BEAR AGAINST UNDISTURBED EARTH.
2. ARROWS INDICATE DIRECTION OF THRUST.
3. ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.
4. CONCRETE COMPRESSIVE STRENGTH SHALL BE MINIMUM 3000 PSI AT 28 DAYS.
5. CONTRACTOR RESPONSIBLE FOR ACTUAL THRUST RESTRAINT DESIGN AS PER SPECIFICATION SECTION 02710. CHART REFLECTS MINIMUM ACCEPTABLE VALUE.

PROVIDE MINIMUM BEARING AREA IN S.F. AS FOLLOWS BASED ON 150 PSI TEST PRESSURE AND 2000 PSF SCH. BEARING. (UNLESS OTHERWISE DETAILED)

PIPE SIZE	TEE DEADENS	11 1/4° BEND	22 1/2° BEND	45° BEND	90° BEND
2"	1.0	0.5	0.5	0.8	1.3
4"	1.0	0.5	0.5	0.8	1.3
6"	2.2	0.5	0.8	1.5	3.0
8"	3.8	0.8	1.5	2.9	5.3
10"	6.0	1.2	2.3	4.5	8.4
12"	8.5	1.7	3.3	6.5	12.1
14"	11.5	2.3	4.5	8.9	16.4
16"	15.2	3.0	5.8	11.5	21.4
18"	19.0	4.5	7.0	14.0	26.0
20"	22.5	6.8	8.5	16.0	31.0

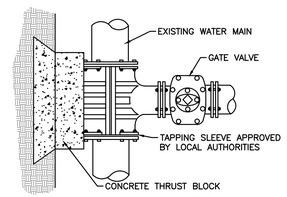
TYPICAL THRUST BLOCK DETAILS

N.T.S.



SANITARY SEWER CLEAN–OUT

N.T.S.



TYPICAL TAPPING SLEEVE & VALVE

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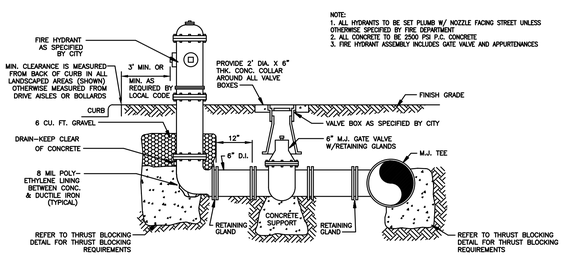

FIRE HYDRANT ASSEMBLY

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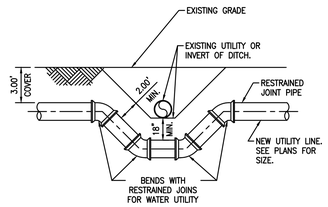

UTILITY OFFSET

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THIBODAUX, LA 70301
www.hightidela.com

HTC JOB # 25-373

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA
BRANDON S. GUIN
REG. No. 31745
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

REVISIONS

DETAILS

SHEET # D-1.2

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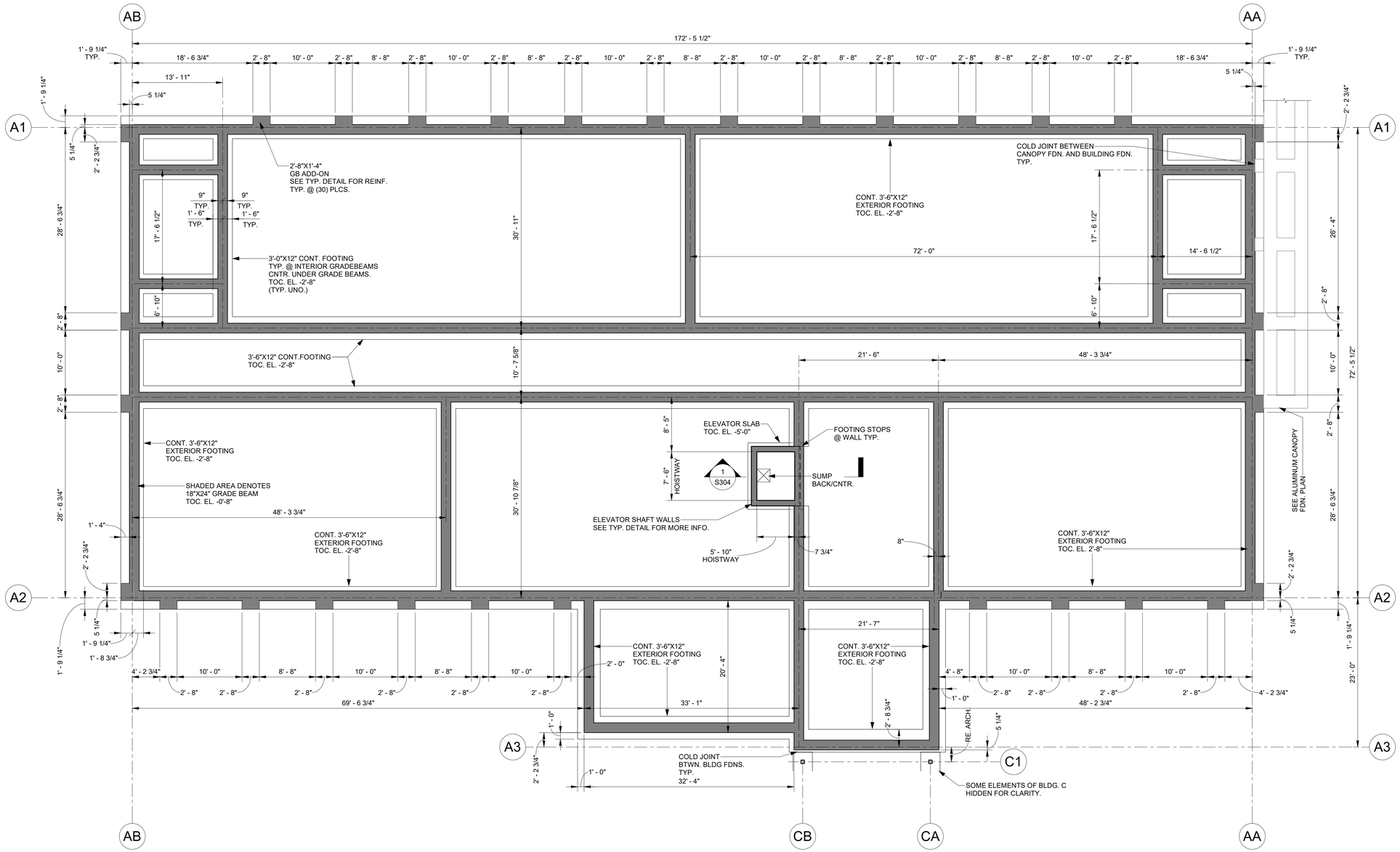

N

BUILDING A - FOUNDATION PLAN

1/8" = 1'-0"

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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10/19/26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA
JAMES R. LeBOURE
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PROFESSIONAL ENGINEER IN
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10/19/26

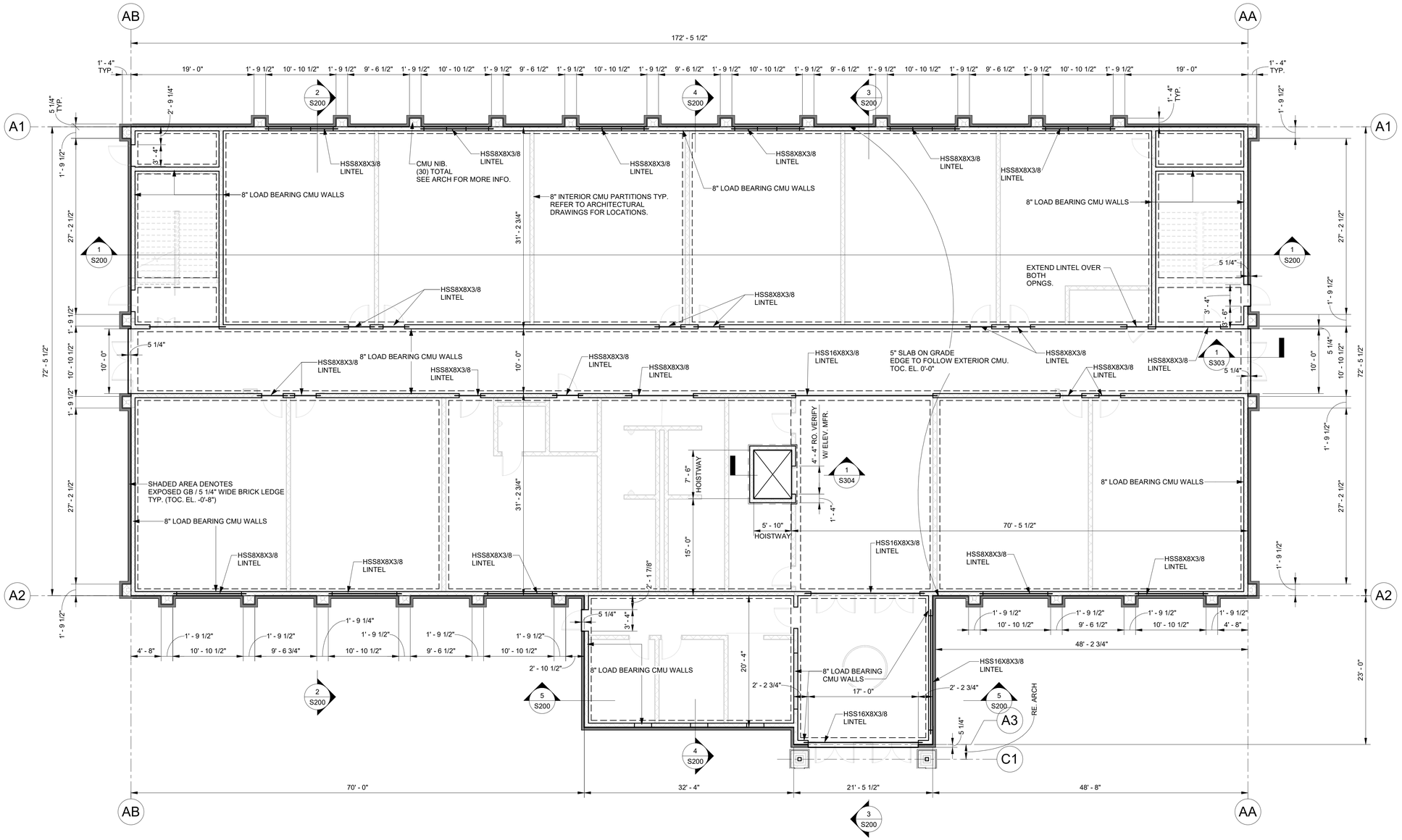
REVISIONS

BUILDING A - FOUNDATION PLAN

SHEET # S100

PLAN NOTES:

1. DIMENSIONS SHOWN ARE TO FACE OF CMU WALLS AND EDGE OF BUILDING SLAB.
2. A THICKENED SLAB SHALL OCCUR AT EACH INTERIOR 8" CMU PARTITION (UNO.) AND SHALL BE CENTERED UNDER THE PARTITION. SEE TYPICAL DETAIL FOR REINFORCEMENT AND ADDITIONAL INFORMATION.
3. ALL LOAD-BEARING 8" CMU WALLS SHALL BEAR ON 18" x 24" GRADE BEAMS WHICH SHALL BEAR ON CONT. 3' WIDE FOOTINGS UNO.
4. LINTELS REQUIRED AT ALL CMU OPENINGS, SEE LINTEL SCHEDULE FOR REINF.
5. REFERENCE ARCHITECTURAL DOCUMENTS FOR OPENING SIZES AND LOCATIONS.
6. ARCHITECTURAL DOCUMENTS SHALL SUPERSEDE THESE DOCUMENTS FOR EXACT INTERIOR PARTITION LOCATIONS, CMU NIBS/PILASTERS, SLAB EDGES, AND CMU OPENINGS.
7. TOC. EL. IS GIVEN RELATIVE TO BLDG. A. (EL. 0'-0" IS BUILDING PAD EL.) REFER TO CIVIL FOR BUILDING PAD SITE EL. (121.5' VFY. W/ CIVIL)
8. REFER TO CIVIL DRAWINGS FOR TIE-IN INFORMATION AND JOINTS AT THE BUILDING.



N

BUILDING A - SLAB PLAN

1/8" = 1'-0"

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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BUILDING A - SLAB PLAN

REVISIONS

SHEET # S101

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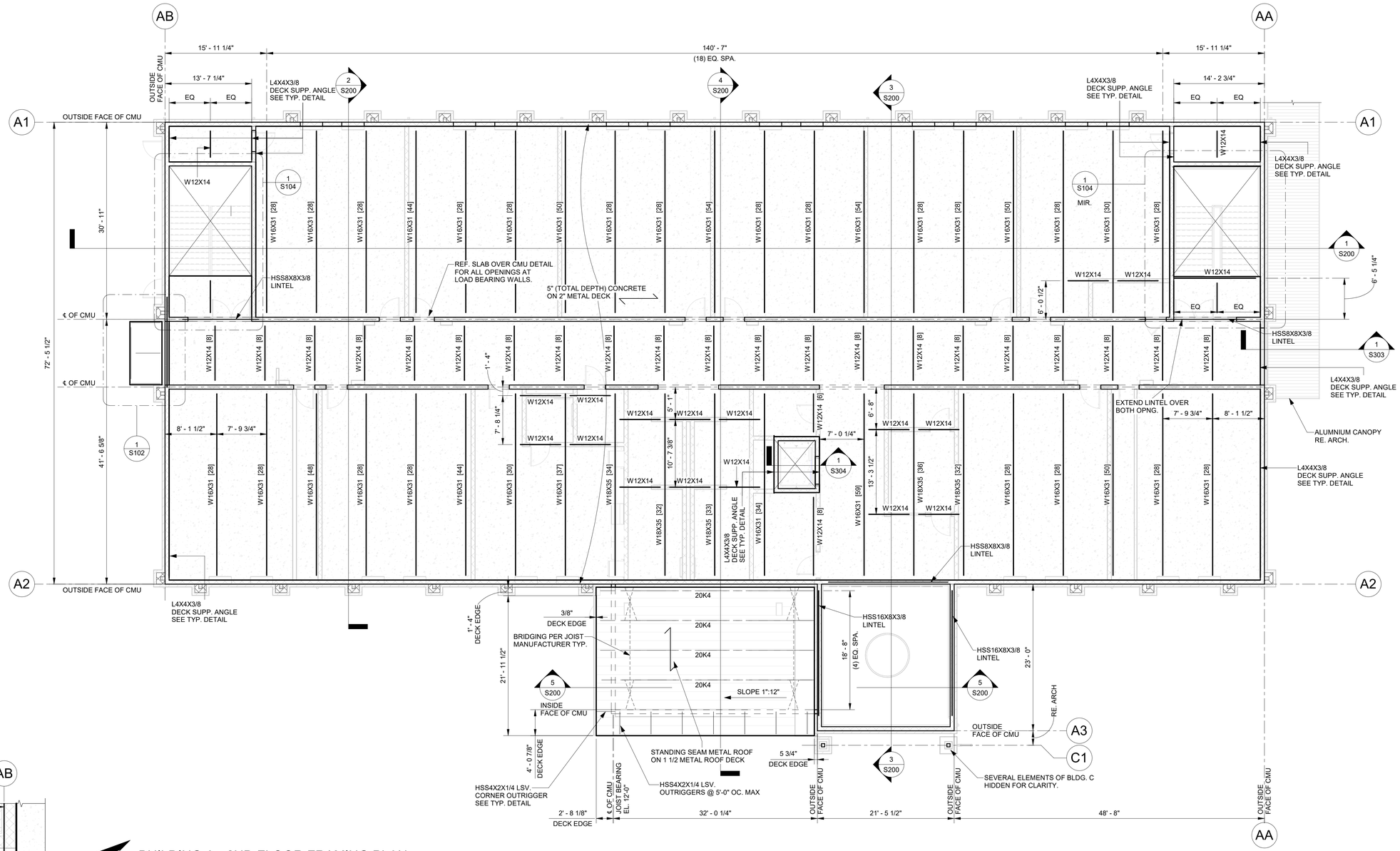
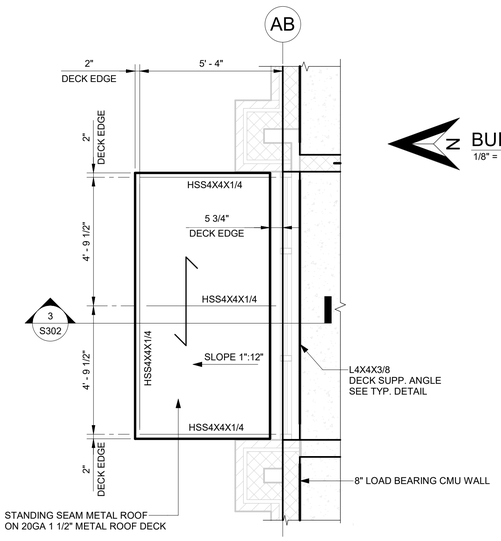


BUILDING A - 2ND FLOOR FRAMING PLAN
1/8" = 1'-0"



1 BUILDING A - ENLARGED CANOPY PLAN
3/8" = 1'-0"

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LORANGER HIGH SCHOOL
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TANGIPAHOA PARISH SCHOOL SYSTEM

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10/19/26

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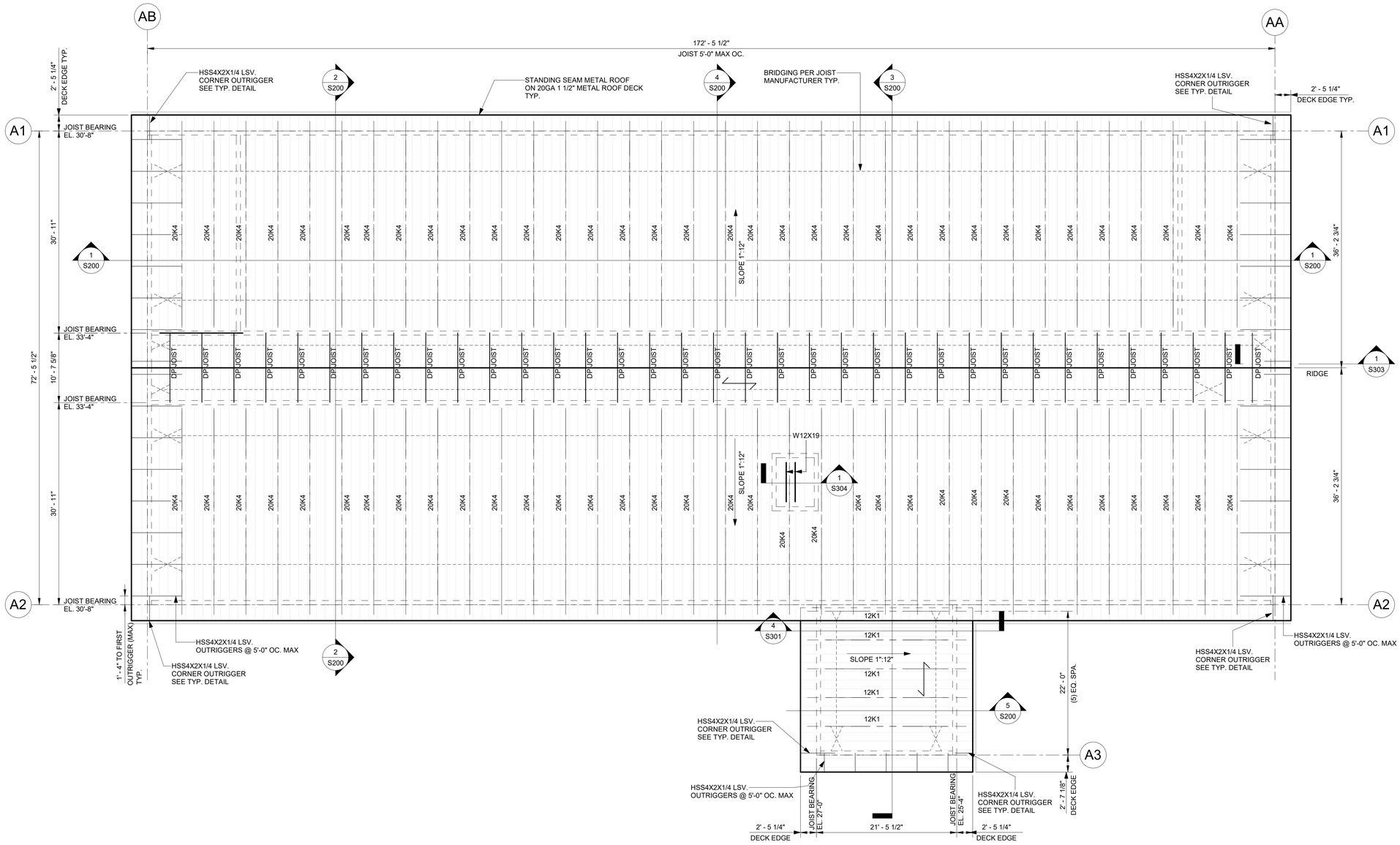
BUILDING A - LEVEL 2 FRAMING PLAN

SHEET # S102

PLAN NOTES:

1. JOISTS MARKED "DP JOIST" SHALL HAVE DOUBLE-PITCHED TOP CHORDS WITH A 1:12 SLOPE EACH SIDE OF RIDGE. MANUFACTURER SHALL DESIGN JOISTS FOR ROOF LOADS SHOWN IN LOAD TABLE USING ASD.
   TOTAL (DEAD + LIVE) LOAD DEFLECTION SHALL NOT EXCEED L/360. (TYP.)
2. FOR DP JOIST, TOP CHORD TOTAL WIDTH SHALL NOT EXCEED 3"
3. BRIDGING FOR JOIST TO BE SUPPLIED BY MFR. AND FOLLOW SJI STANDARDS.



BUILDING A - ROOF FRAMING PLAN
1/8" = 1'-0"

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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10/19/26

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10/19/26

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BUILDING A - ROOF FRAMING PLAN

SHEET # S103

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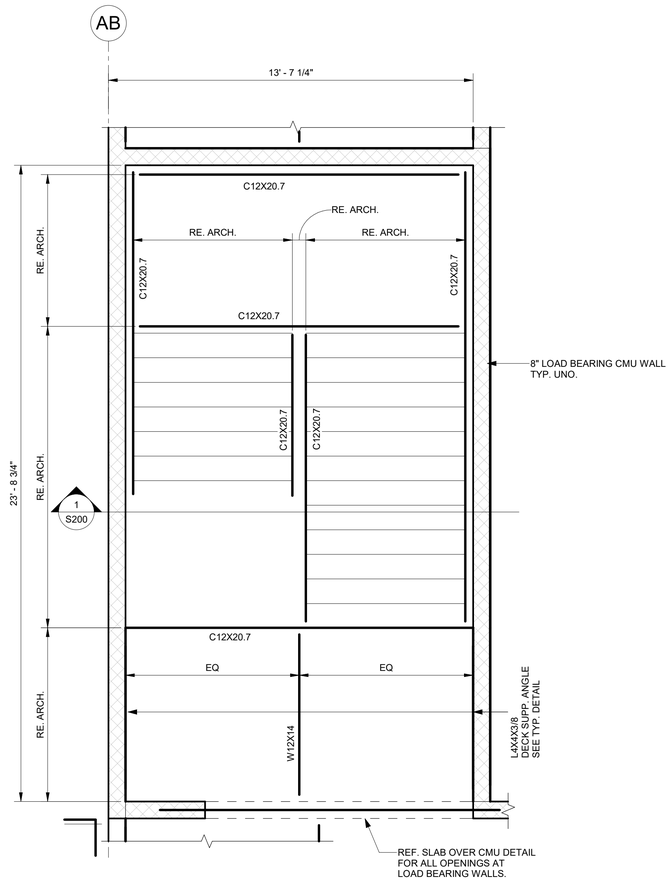
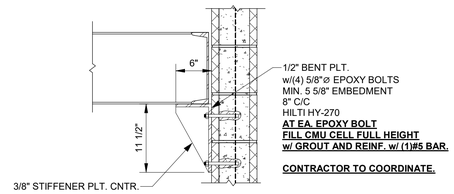
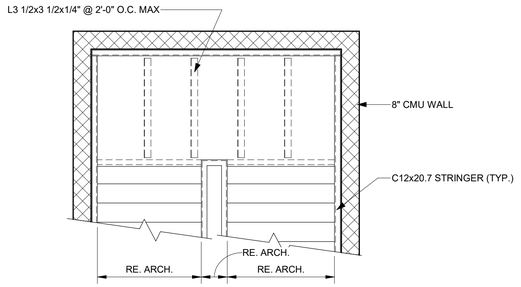


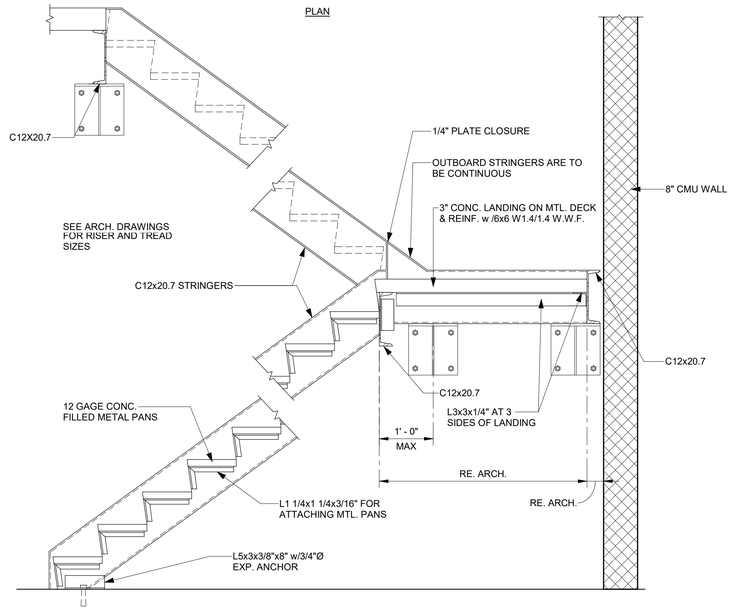
1 BUILDING A - STAIR 1 ENALRGED PLAN
3/8" = 1'-0"



C12 TO CMU WALL CONNECTION



PLAN



ELEVATION

TYPICAL STAIR DETAIL

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10/19/26

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IN
CIVIL ENGINEERING
10/19/26

REVISIONS

BUILDING A - STAIR DETAILS

SHEET # S104

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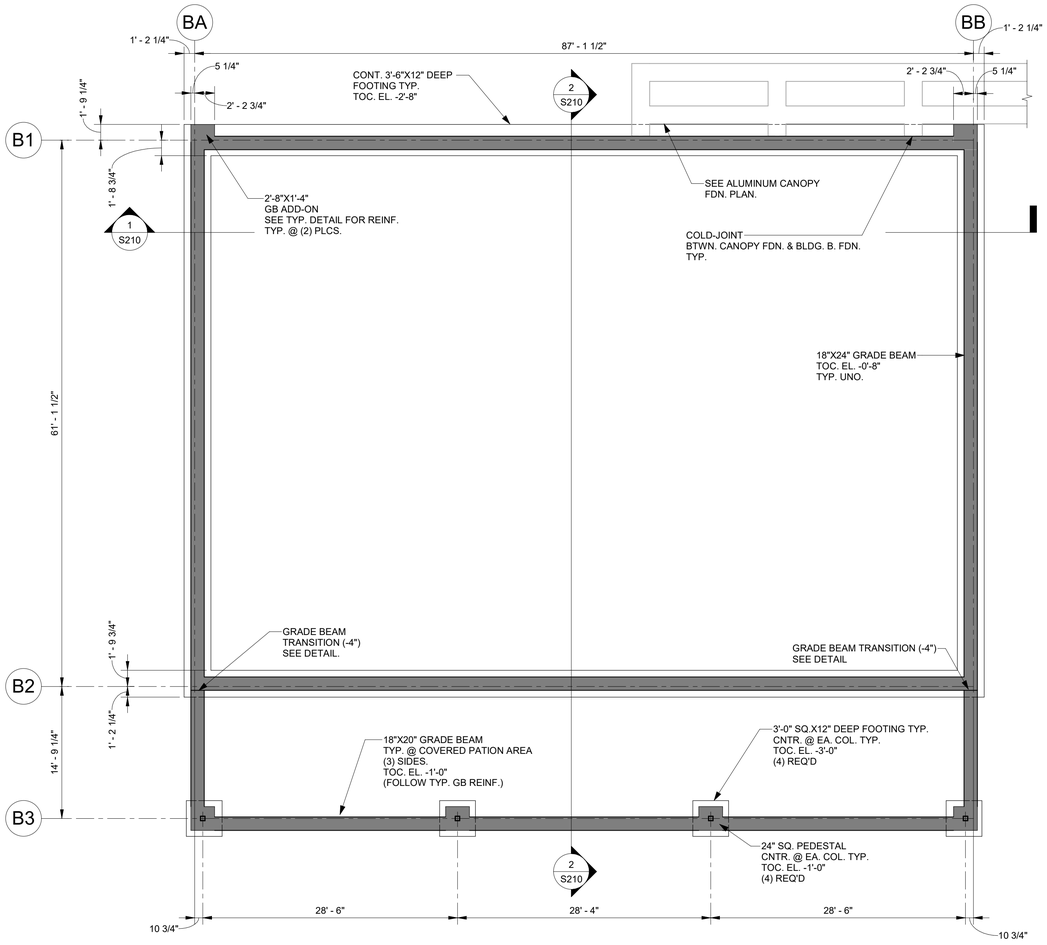
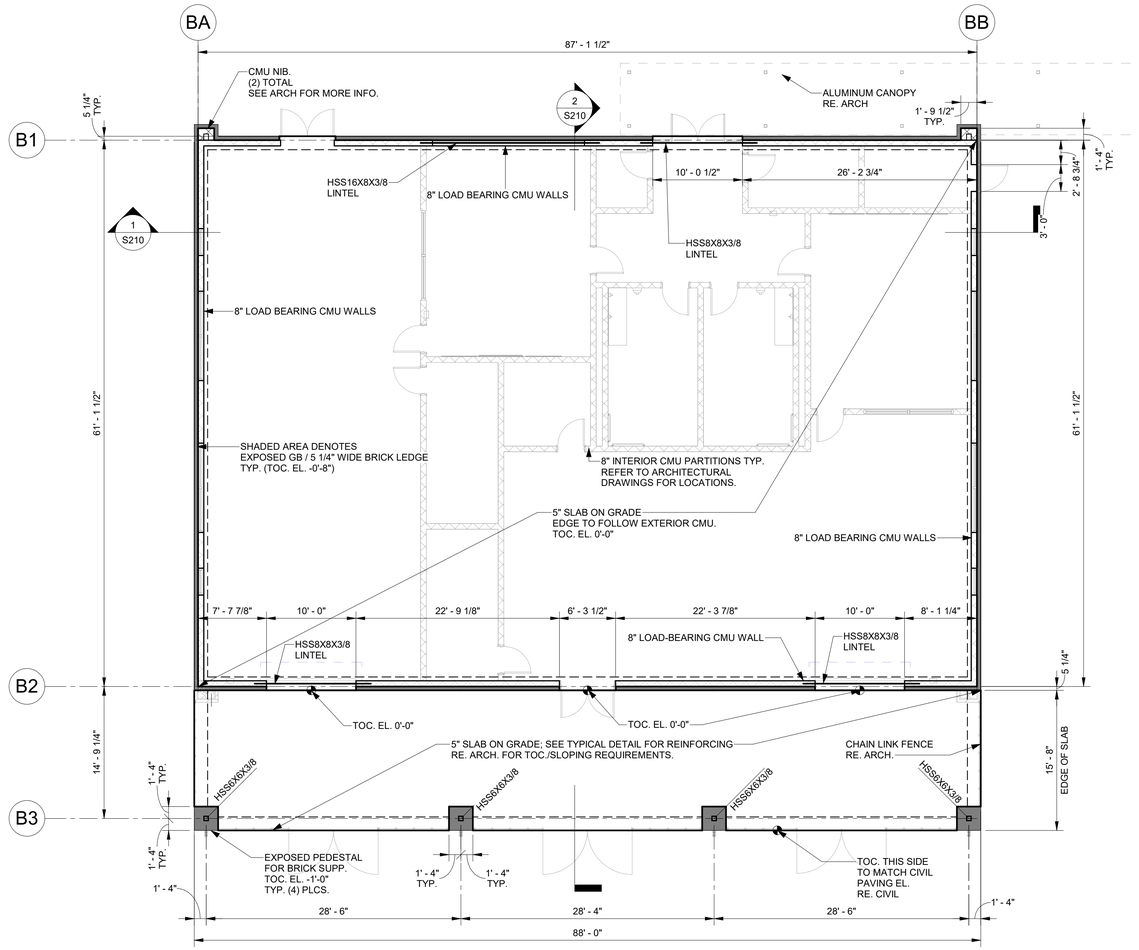
PLAN NOTES:

1. DIMENSIONS SHOWN ON SLAB PLAN ARE TO FACE OF CMU WALLS AND EDGE OF BUILDING SLAB.
2. A THICKENED SLAB SHALL OCCUR AT EACH INTERIOR 8" CMU PARTITION (UNO.) AND SHALL BE CENTERED UNDER THE PARTITION. SEE TYPICAL DETAIL FOR REINFORCEMENT AND ADDITIONAL INFORMATION.
3. ALL LOAD-BEARING 8" CMU WALLS SHALL BEAR ON 18" x 24" GRADE BEAMS WHICH SHALL BEAR ON CONT. 3' WIDE FOOTINGS UNO.
4. LINTELS REQUIRED AT ALL CMU OPENINGS, SEE LINTEL SCHEDULE FOR REINF.
5. REFERENCE ARCHITECTURAL DOCUMENTS FOR OPENING SIZES AND LOCATIONS.
6. ARCHITECTURAL DOCUMENTS SHALL SUPERSEDE THESE DOCUMENTS FOR EXACT INTERIOR PARTITION LOCATIONS, CMU NIBS/PILASTERS, SLAB EDGES, AND CMU OPENINGS.
7. TOC. EL. IS GIVEN RELATIVE TO BLDG. B. (EL. 0'-0" IS BUILDING PAD EL.) REFER TO CIVIL FOR BUILDING PAD SITE EL. (123.0' VFY. W/ CIVIL)
8. REFER TO CIVIL DRAWINGS FOR TIE-IN INFORMATION AND JOINTS AT THE BUILDING.



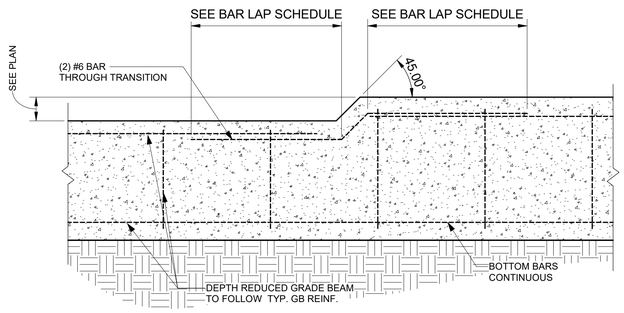
BUILDING B - FOUNDATION PLAN

1/8" = 1'-0"



BUILDING B - SLAB PLAN

1/8" = 1'-0"



GRADE BEAM DEPTH TRANSITION DETAIL

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Bret Gasaway, AIA, NCARB
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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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BUILDING B - FOUNDATION & SLAB PLAN

SHEET # S110

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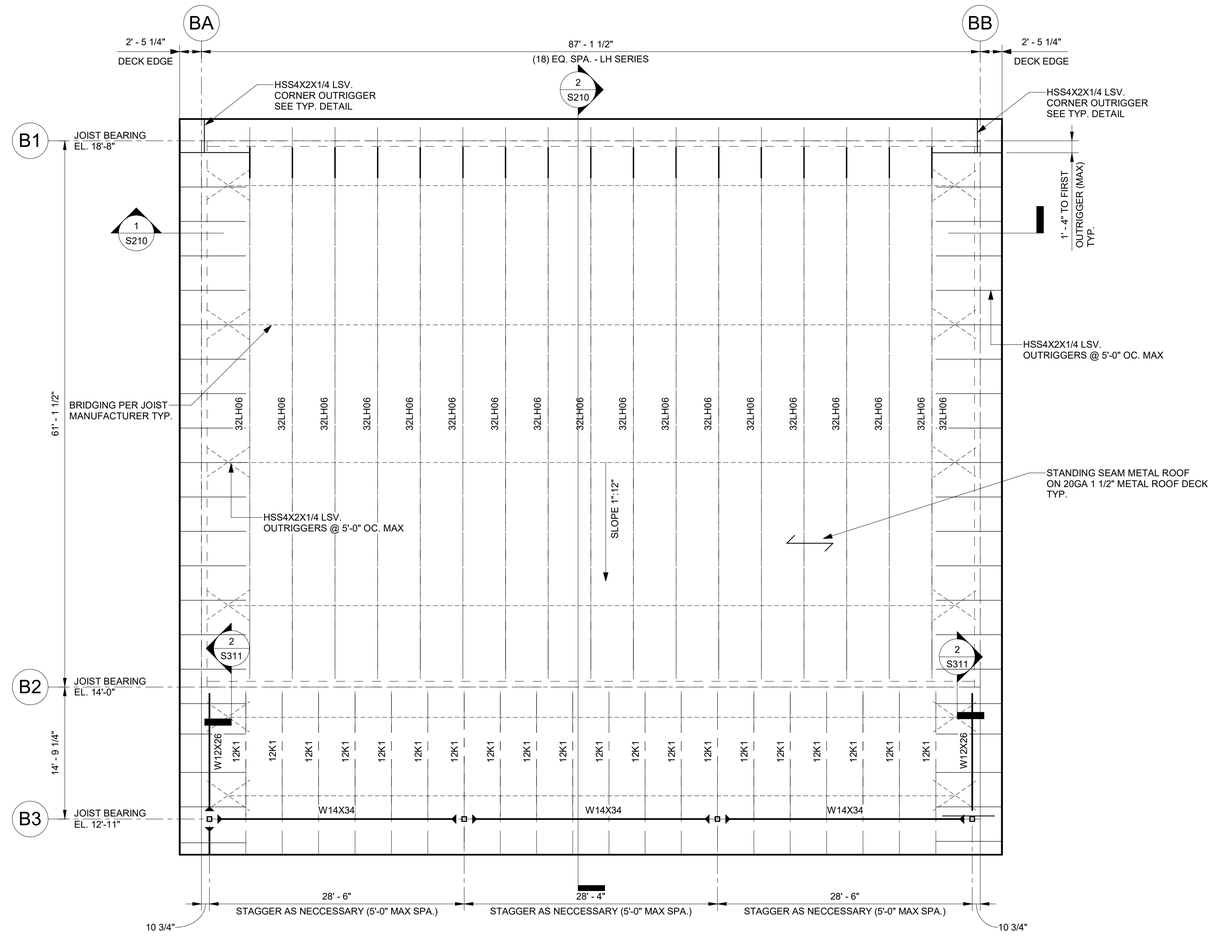

BUILDING B - ROOF FRAMING PLAN

1/8" = 1'-0"

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19404 HIATT ST, LORANGER, LA 70446
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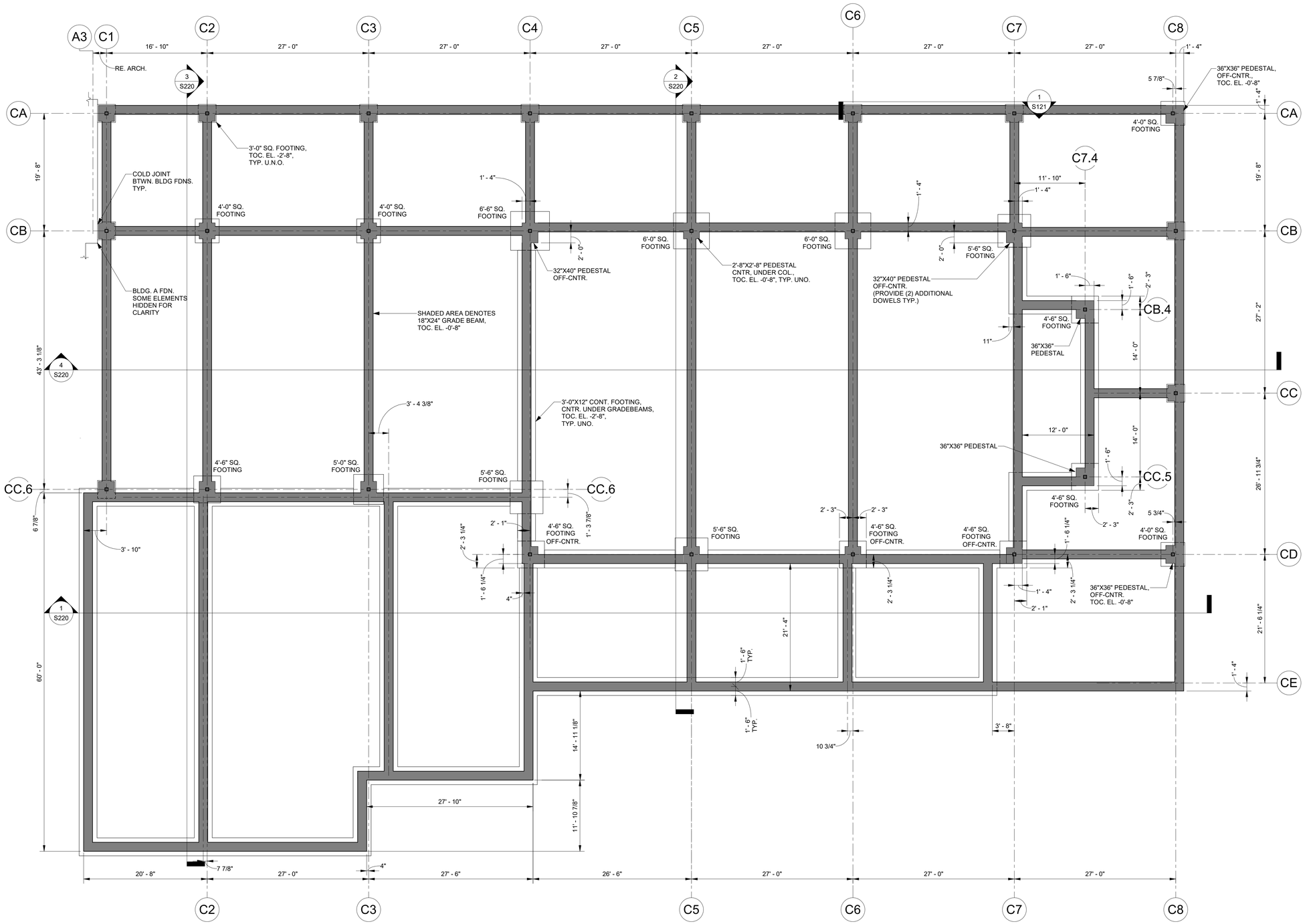
REVISIONS

BUILDING B - ROOF FRAMING PLAN

SHEET # S111



BUILDING C - FOUNDATION PLAN

1/8" = 1'-0"

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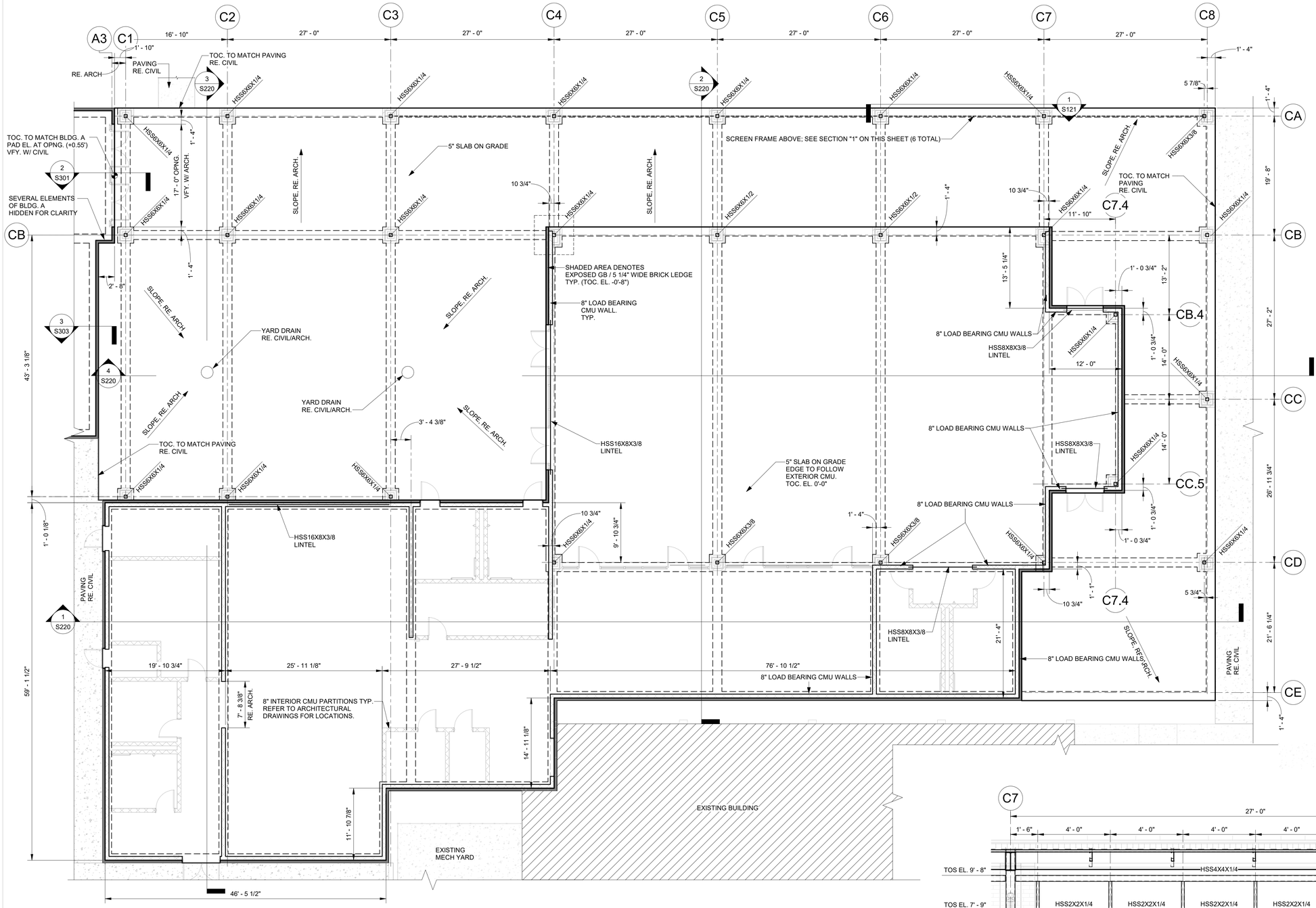
10/19/26

REVISIONS

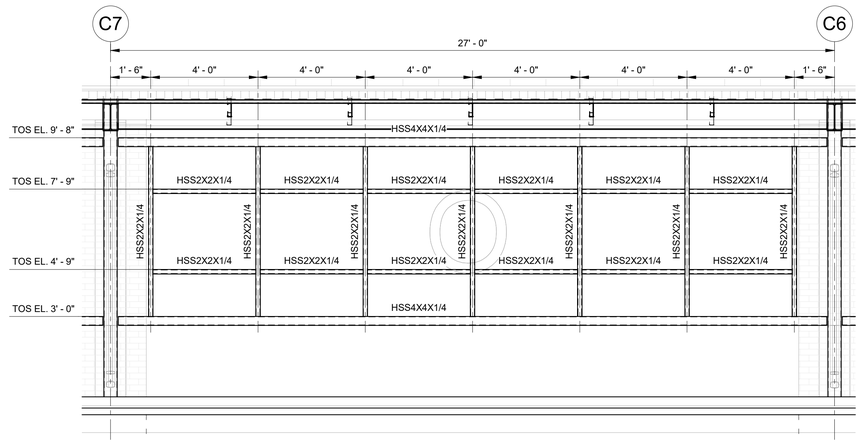
BUILDING C - FOUNDATION PLAN

SHEET # S120



BUILDING C - SLAB PLAN

1/8" = 1'-0"



1 SECTION

3/8" = 1'-0"

PLAN NOTES:

1. DIMENSIONS SHOWN ARE TO FACE OF CMU WALLS AND EDGE OF BUILDING SLAB.
2. A THICKENED SLAB SHALL OCCUR AT EACH INTERIOR 8" CMU PARTITION (UNO.) AND SHALL BE CENTERED UNDER THE PARTITION. SEE TYPICAL DETAIL FOR REINFORCEMENT AND ADDITIONAL INFORMATION.
3. ALL LOAD-BEARING 8" CMU WALLS SHALL BEAR ON 18" x 24" GRADE BEAMS WHICH SHALL BEAR ON CONT. 3' WIDE FOOTINGS UNO.
4. LINTELS REQUIRED AT ALL CMU OPENINGS, SEE LINTEL SCHEDULE FOR REINF.
5. REFERENCE ARCHITECTURAL DOCUMENTS FOR OPENING SIZES AND LOCATIONS.
6. ARCHITECTURAL DOCUMENTS SHALL SUPERSEDE THESE DOCUMENTS FOR EXACT INTERIOR PARTITION LOCATIONS, CMU NIBS/PILASTERS, SLAB EDGES, AND CMU OPENINGS.
7. TOC. EL. IS GIVEN RELATIVE TO BLDG. C. (EL. 0'-0" IS BUILDING PAD EL.) REFER TO CIVIL FOR BUILDING PAD SITE EL. (120.95' VFY. W/ CIVIL)
8. REFER TO CIVIL DRAWINGS FOR TIE-IN INFORMATION AND JOINTS AT THE BUILDING.

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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10/19/26

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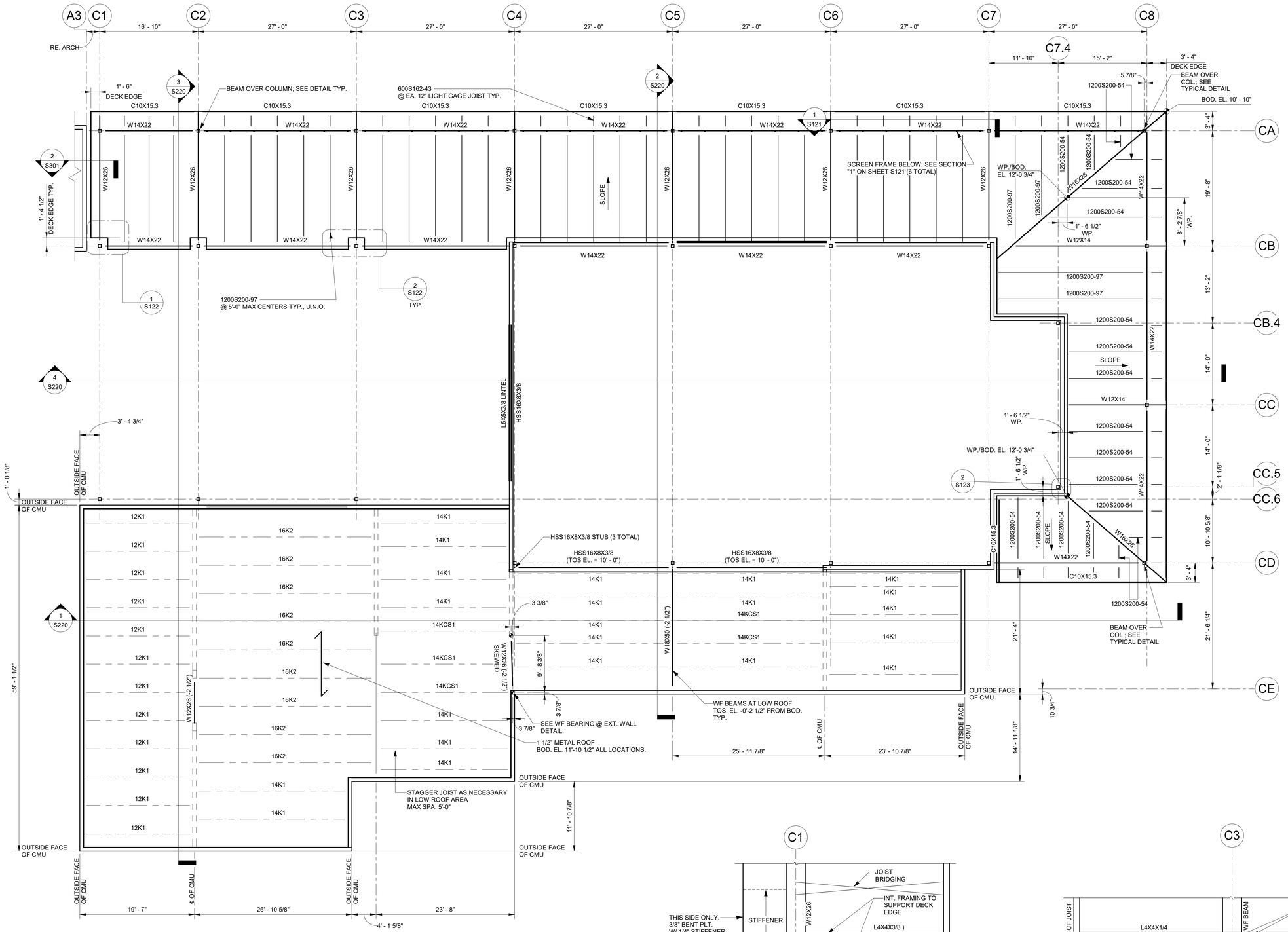
10/19/26

REVISIONS

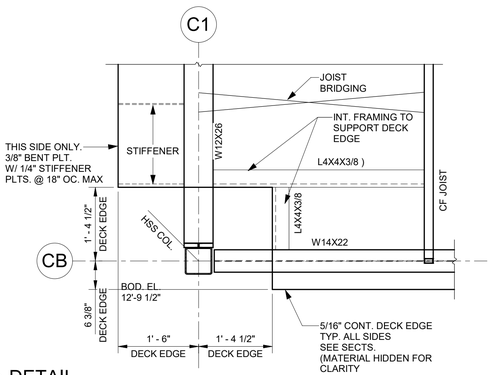
BUILDING C - SLAB PLAN

SHEET # S121



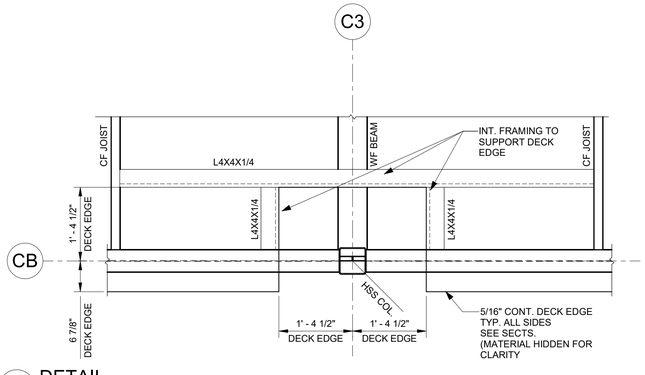
BUILDING C - AWNING ROOF PLAN

1/8" = 1'-0"



1 DETAIL

3/4" = 1'-0"



2 DETAIL

3/4" = 1'-0"

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BUILDING C - AWNING ROOF PLAN

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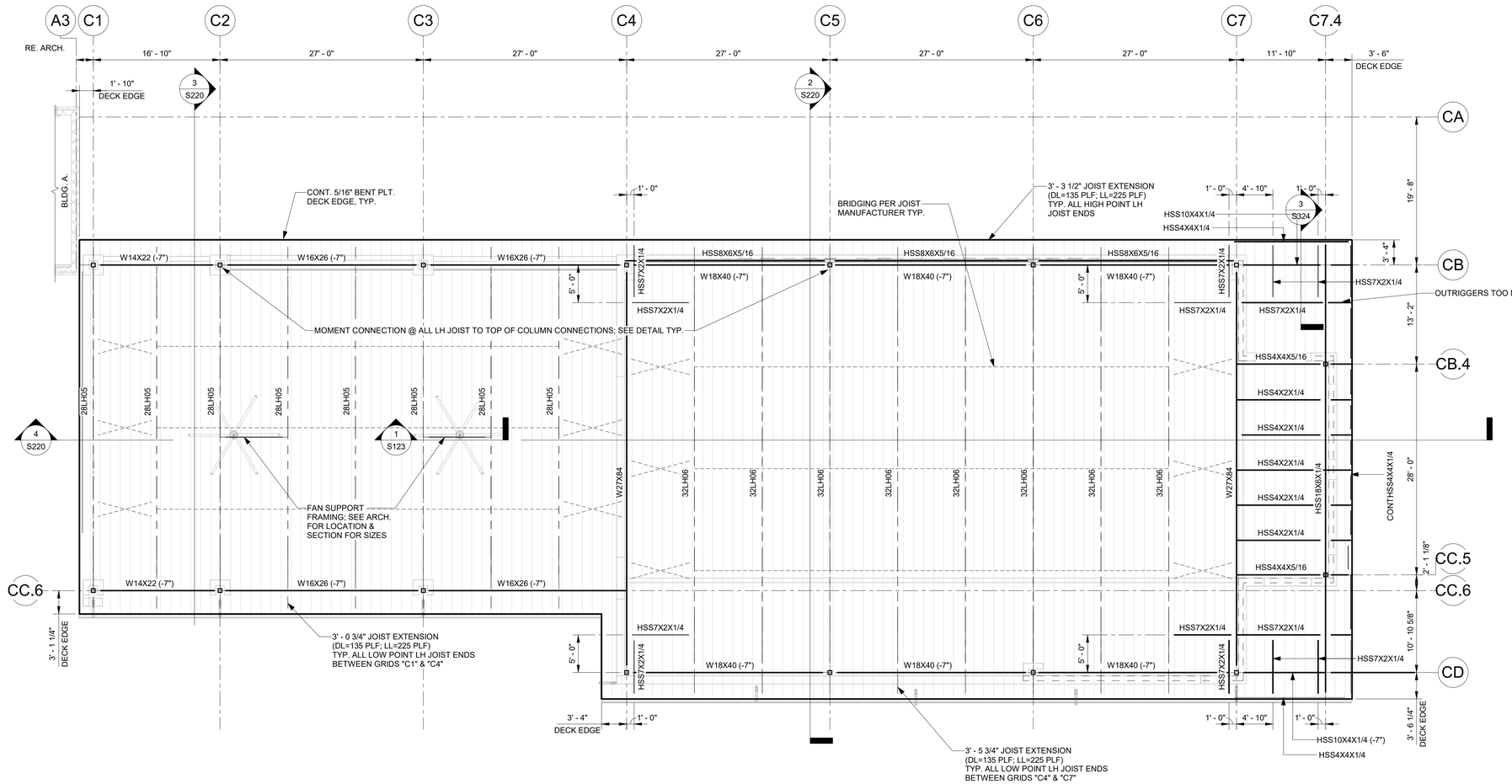
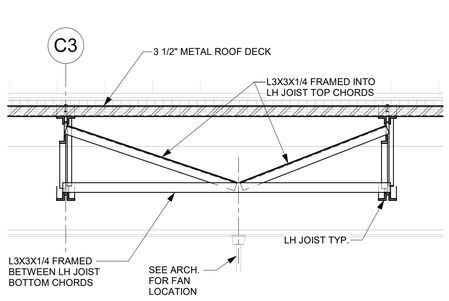


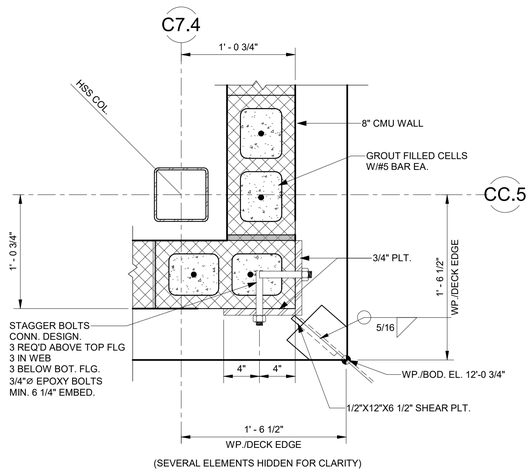
BUILDING C - CAFETERIA ROOF PLAN

1/8" = 1'-0"



1 SECTION

1/2" = 1'-0"



(SEVERAL ELEMENTS HIDDEN FOR CLARITY)

2 DETAIL

1 1/2" = 1'-0"

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BUILDING C - ROOF FRAMING PLAN

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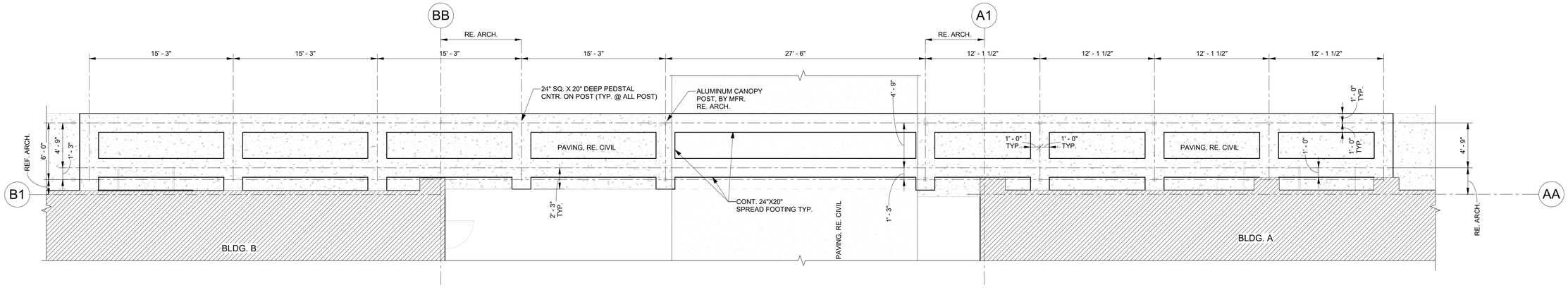
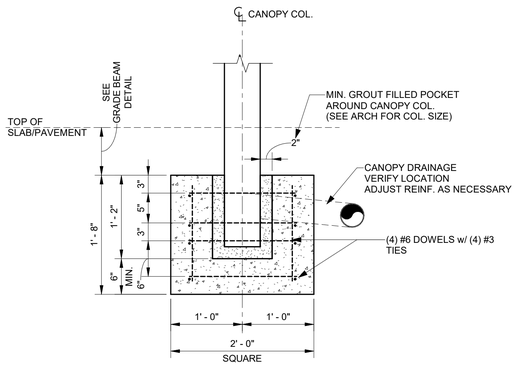
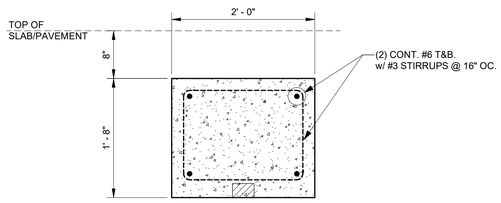


CANOPY - FOUNDATION PLAN

3/16" = 1'-0"



ALUMINUM CANOPY
PEDESTAL DETAIL



ALUMINUM CANOPY
FOOTING DETAIL

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ALUMINUM CANOPY - FOUNDATION PLAN

SHEET # S130

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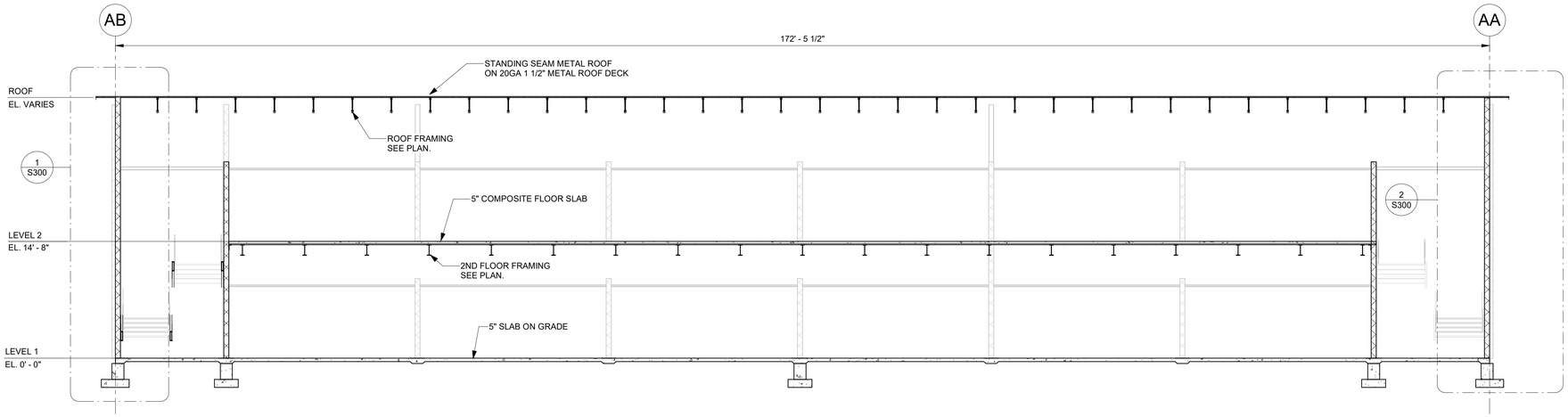
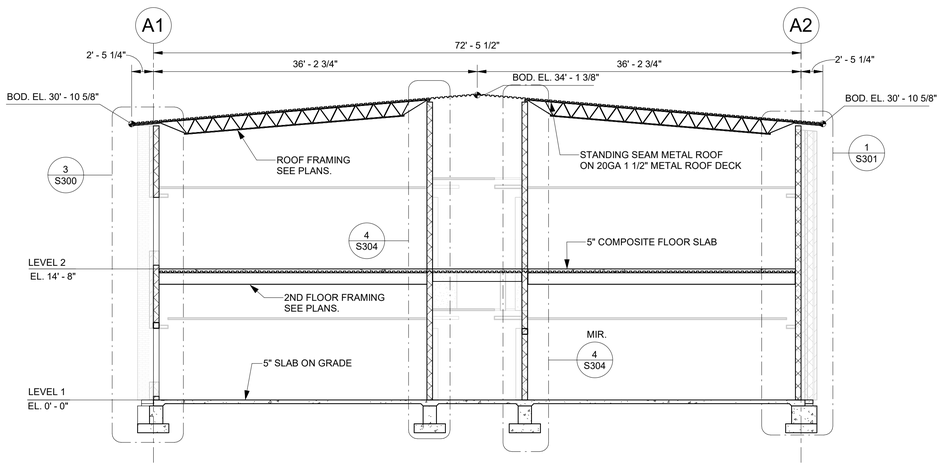


1 SECTION
1/8" = 1'-0"



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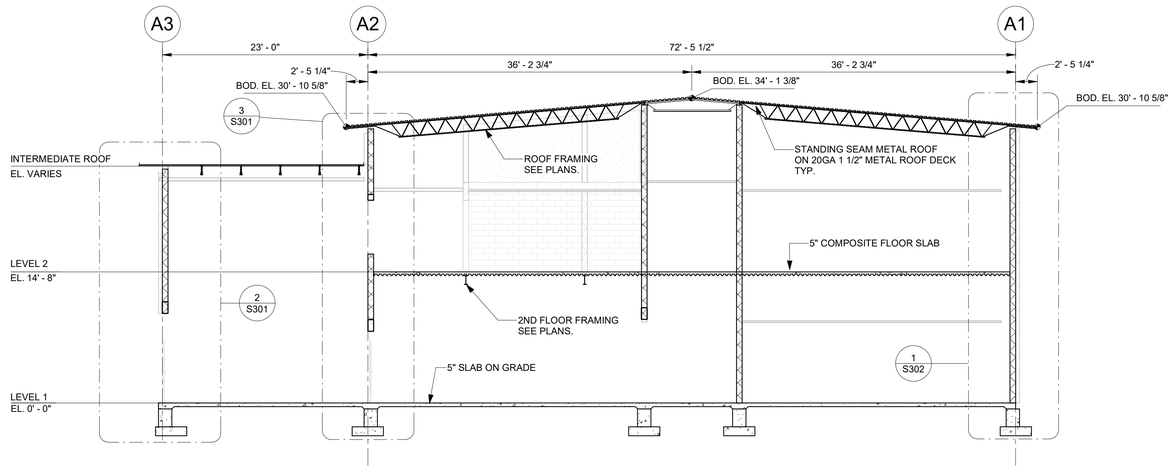

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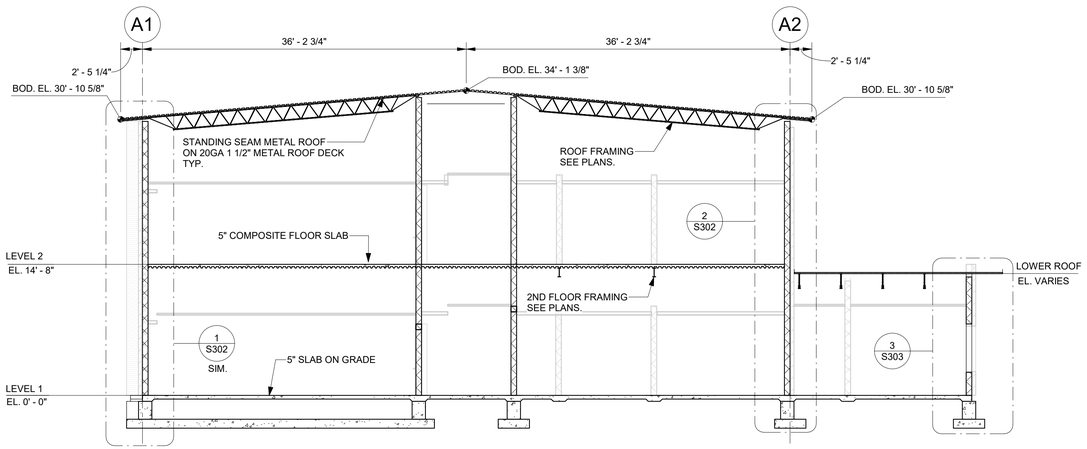
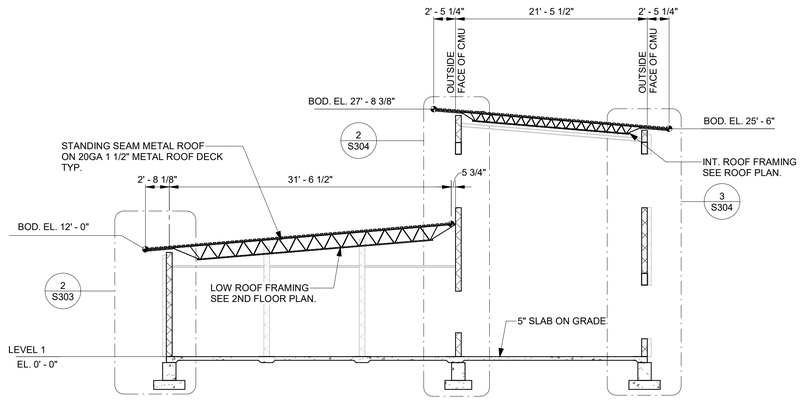


4 SECTION
1/8" = 1'-0"



5 SECTION
1/8" = 1'-0"

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REVISIONS

BUILDING A - BUILDING SECTIONS

SHEET # S200

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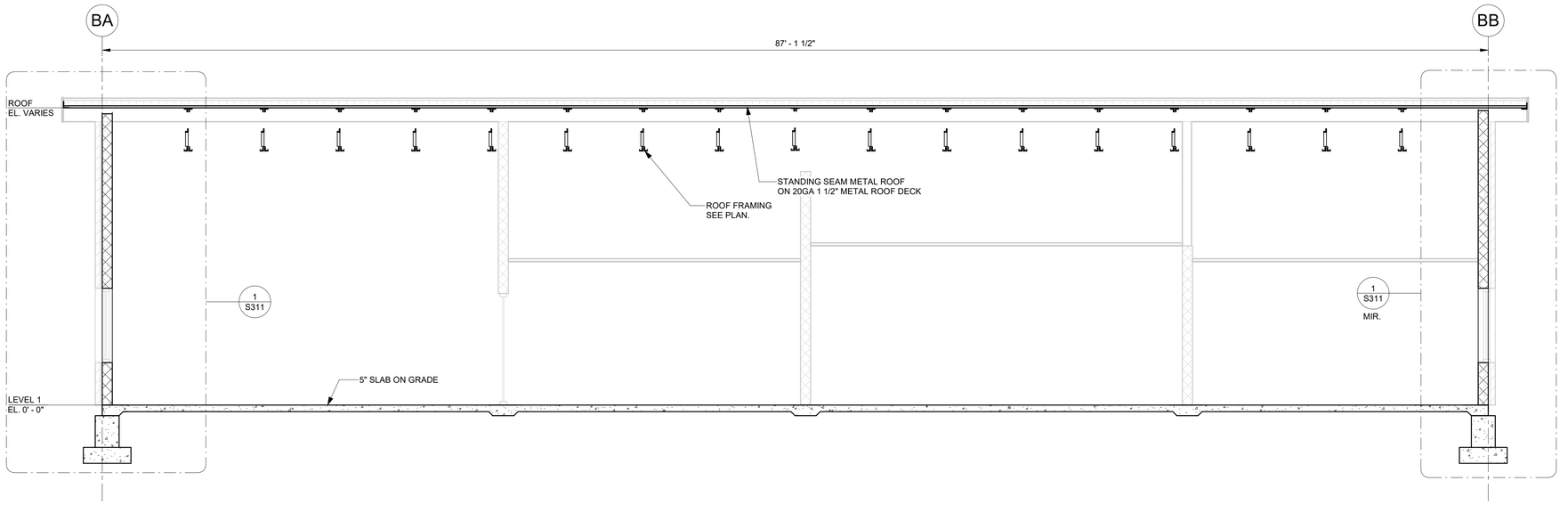

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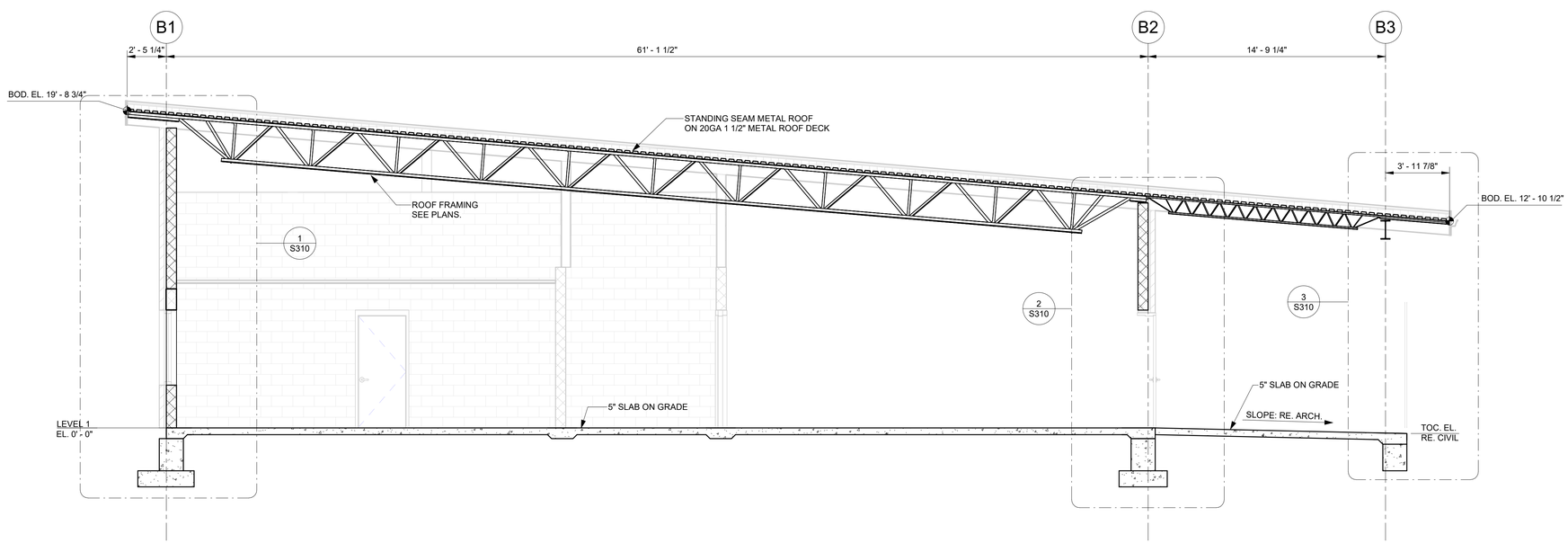

2 SECTION
1/4" = 1'-0"

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REVISIONS

BUILDING B - BUILDING SECTIONS

SHEET # S210

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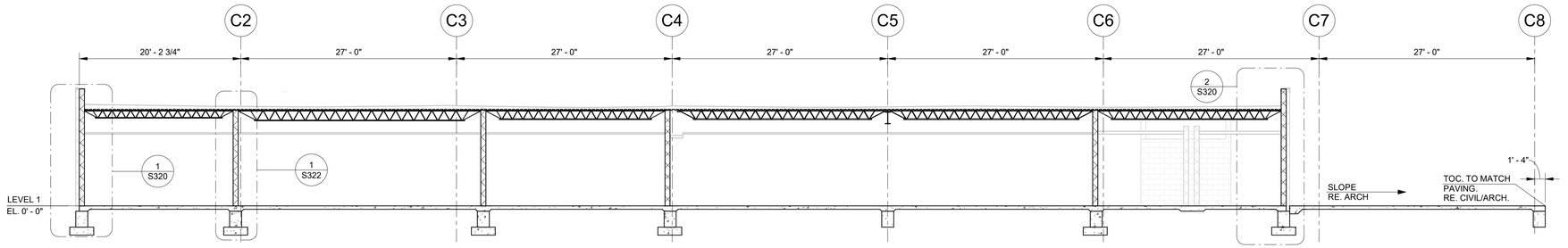
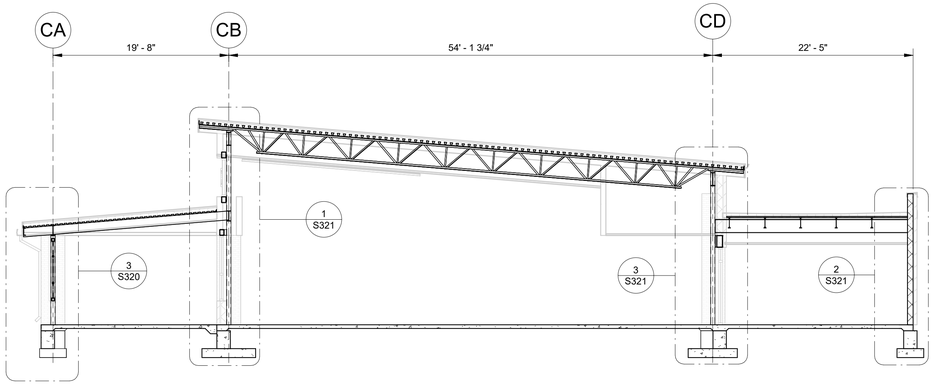


1 SECTION
1/8" = 1'-0"



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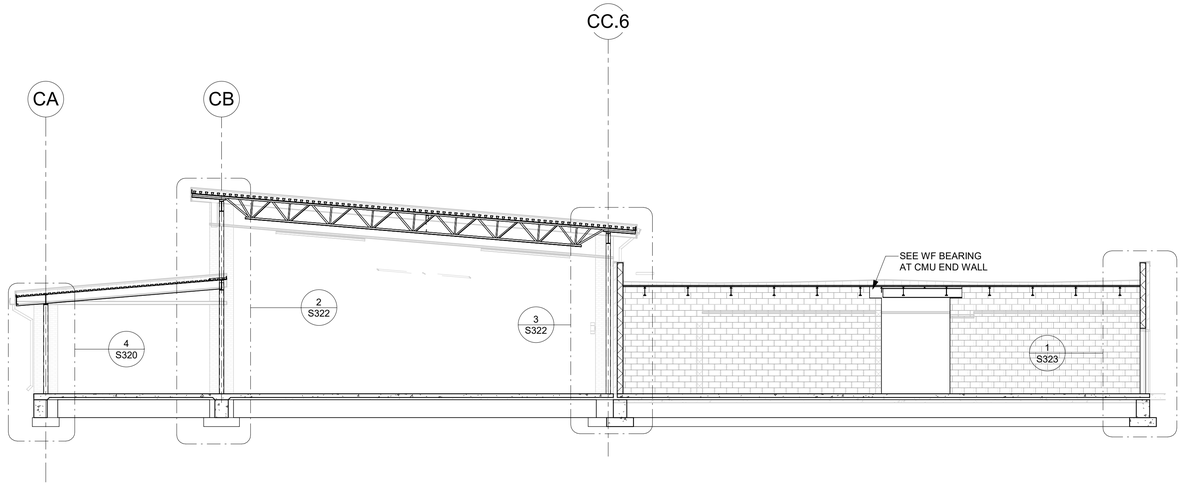

3 SECTION
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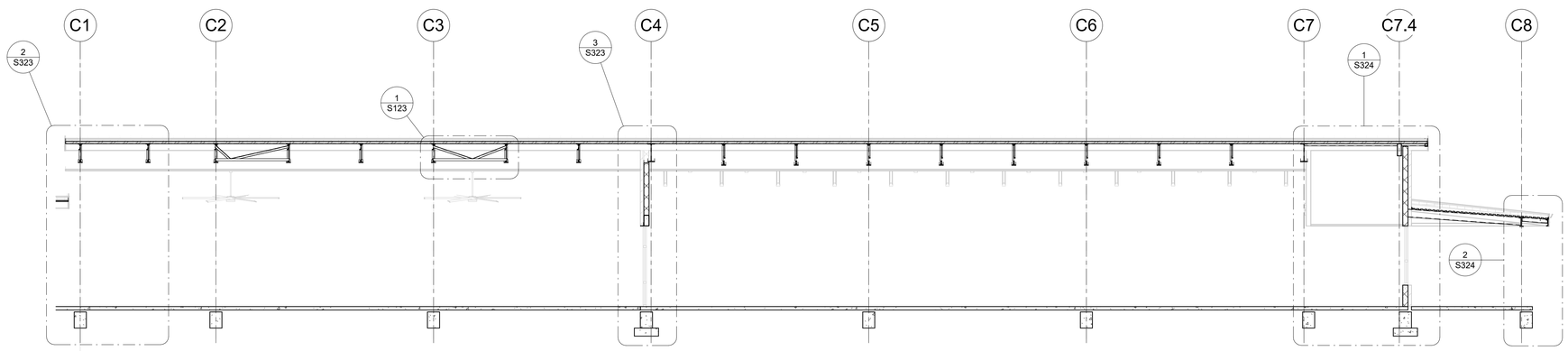

4 SECTION
1/8" = 1'-0"

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

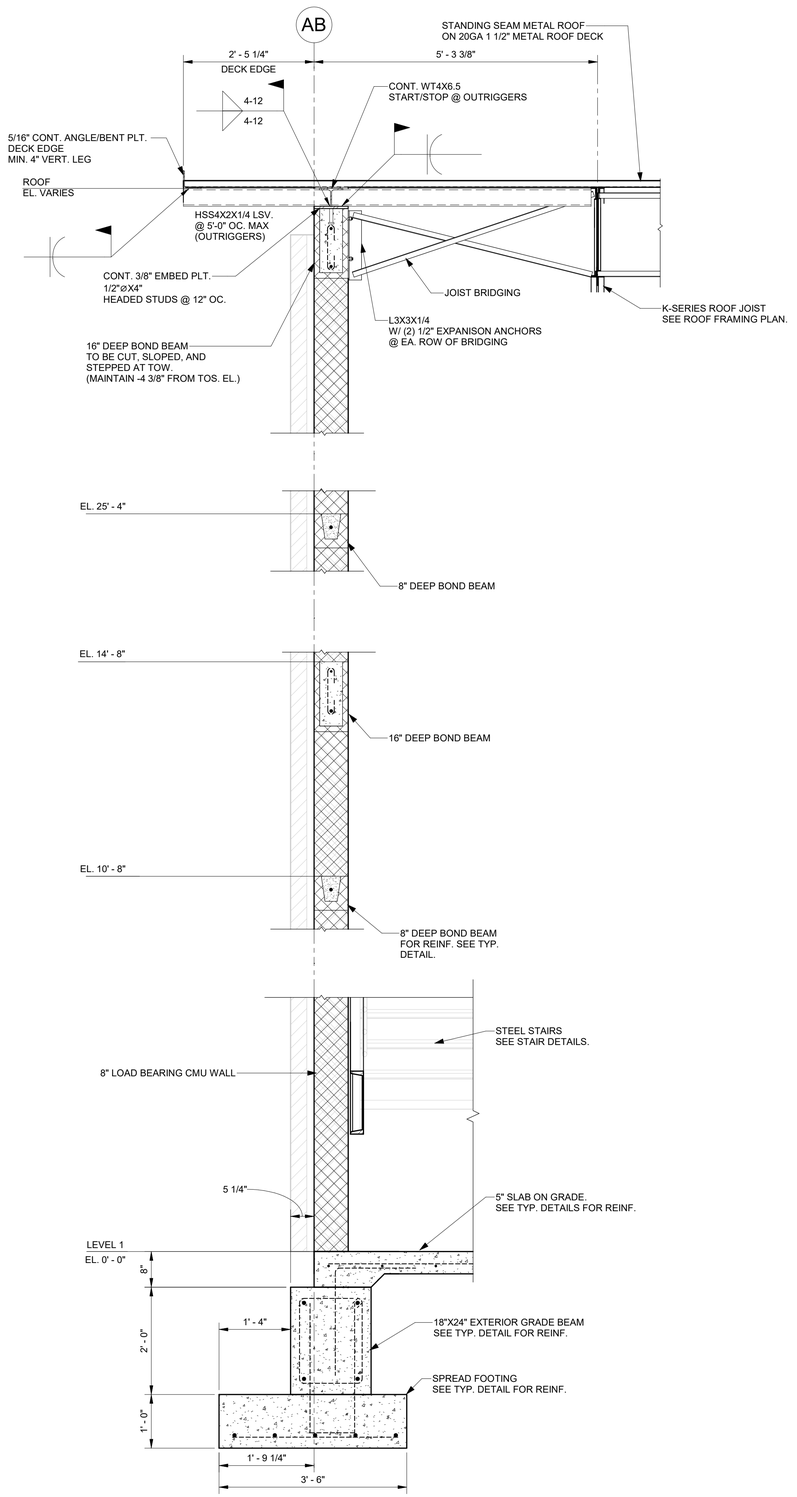
DATE 10/19/26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
JAMES R. LeBOUEF
License No. 35038
PROFESSIONAL ENGINEER IN
CIVIL ENGINEERING
10/19/26

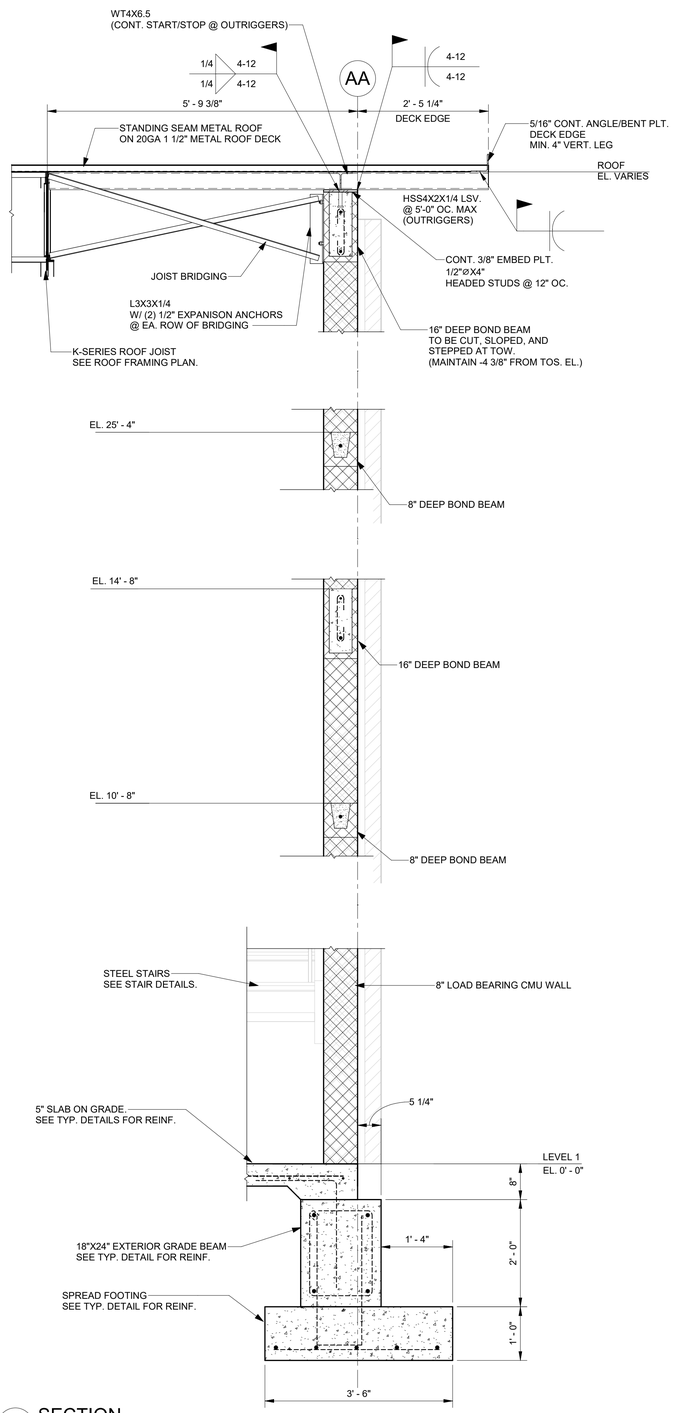
REVISIONS

BUILDING C - BUILDING SECTIONS

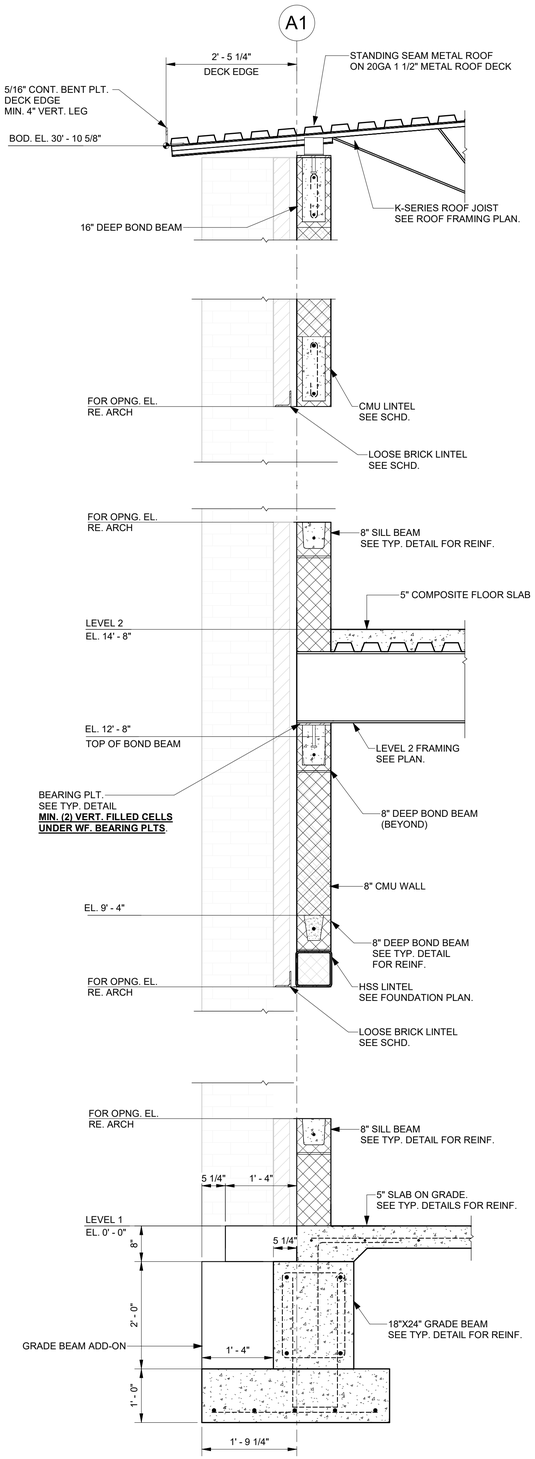
SHEET # S220



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



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



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

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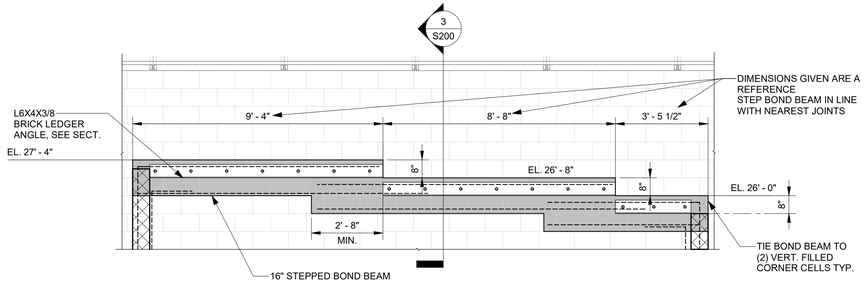
10/19/26

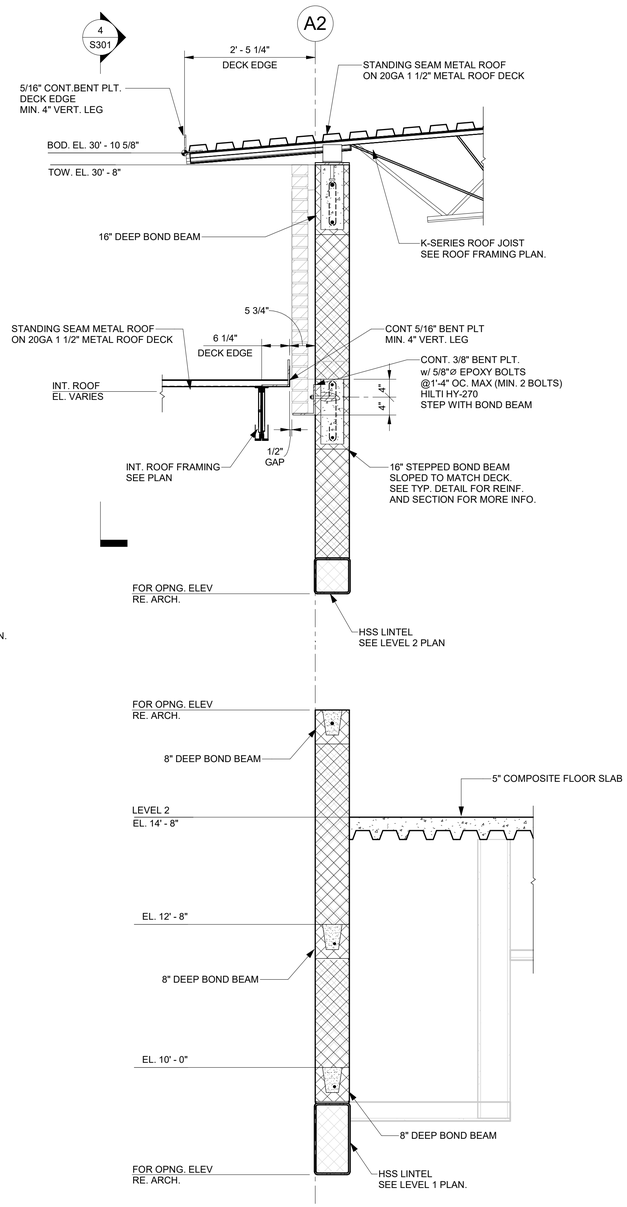
REVISIONS

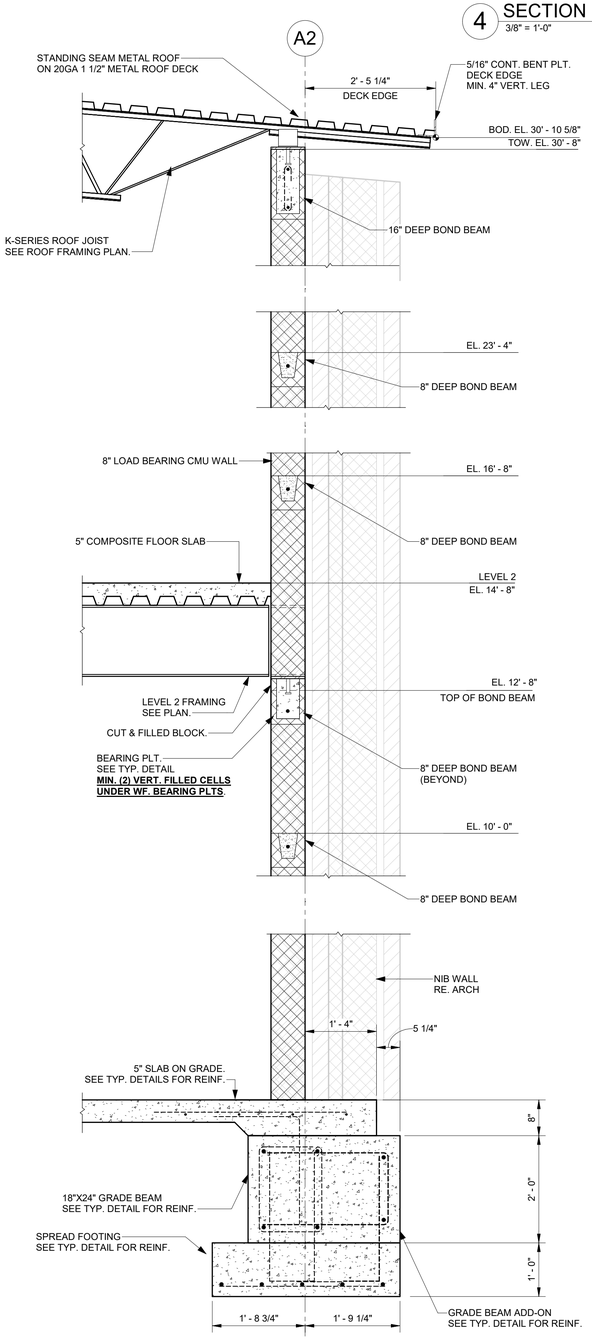
BUILDING A - WALL SECTIONS

SHEET # S300

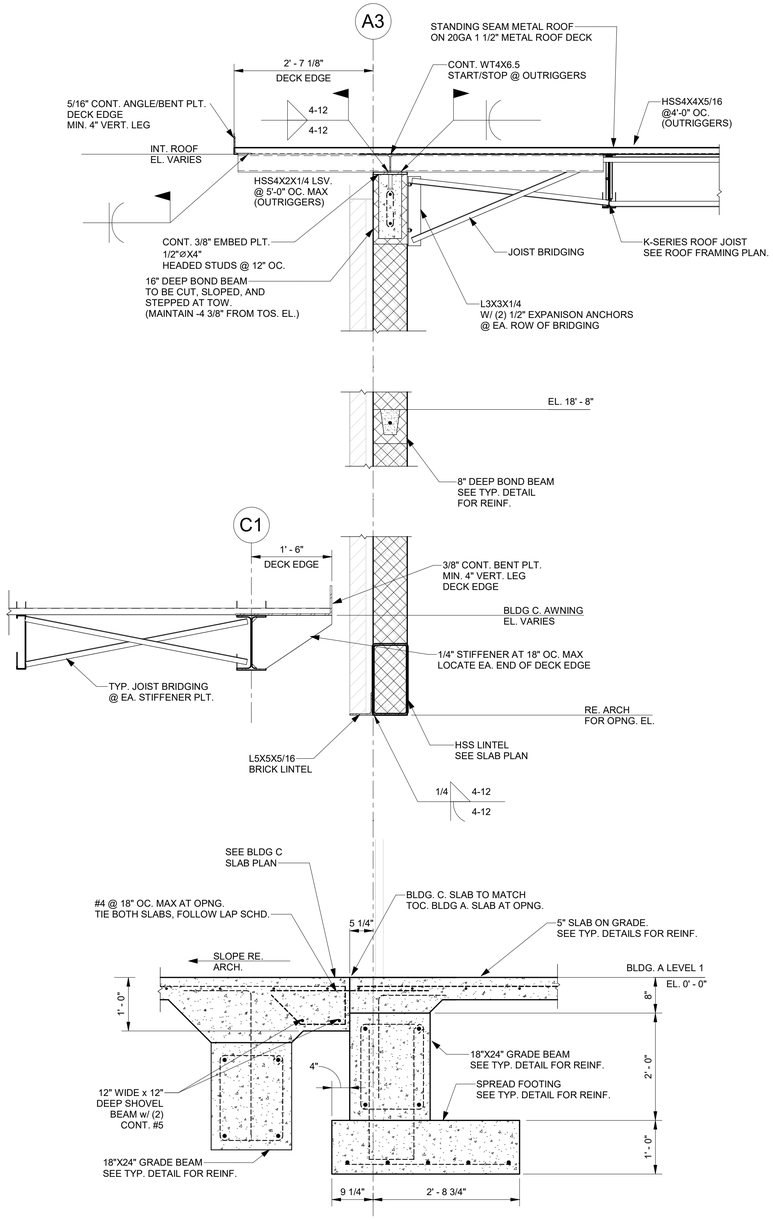


4 SECTION
3/8" = 1'-0"

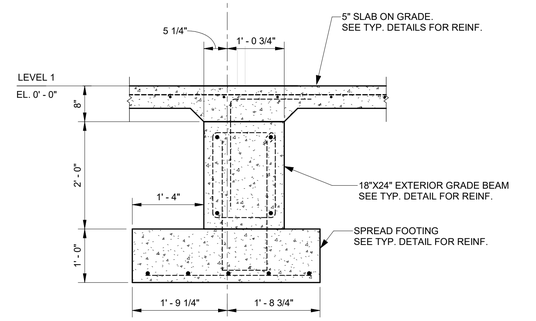




1 SECTION
3/4" = 1'-0"



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



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

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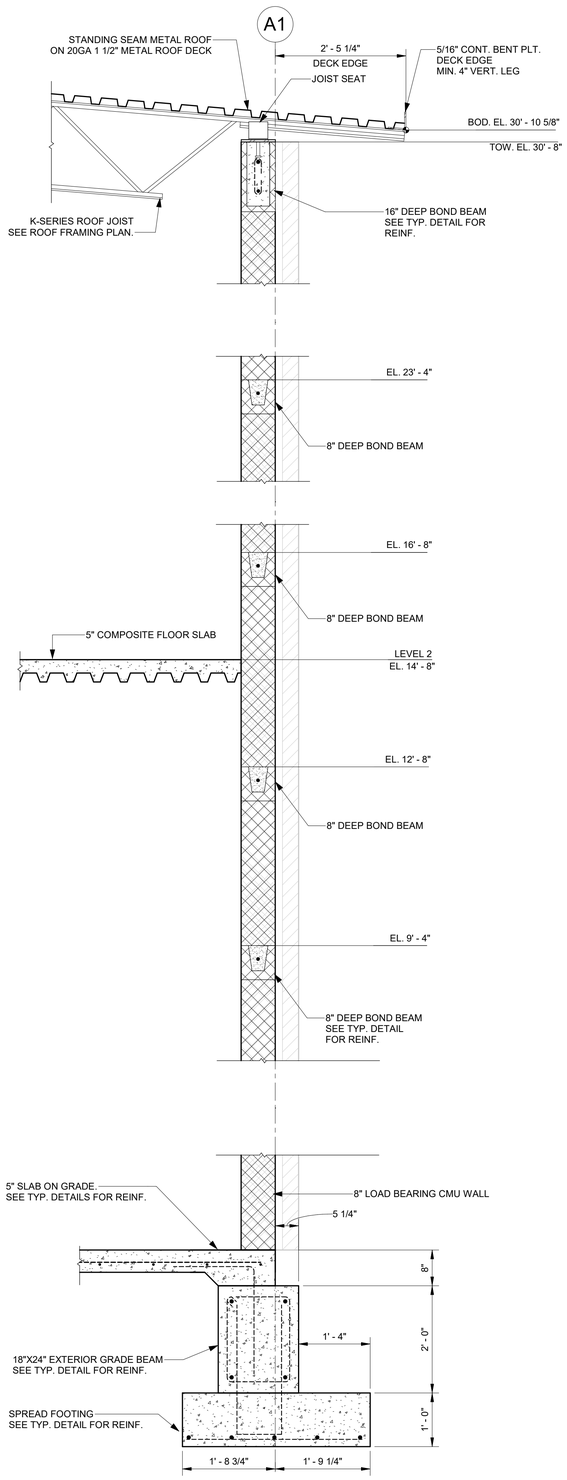
10/19/26

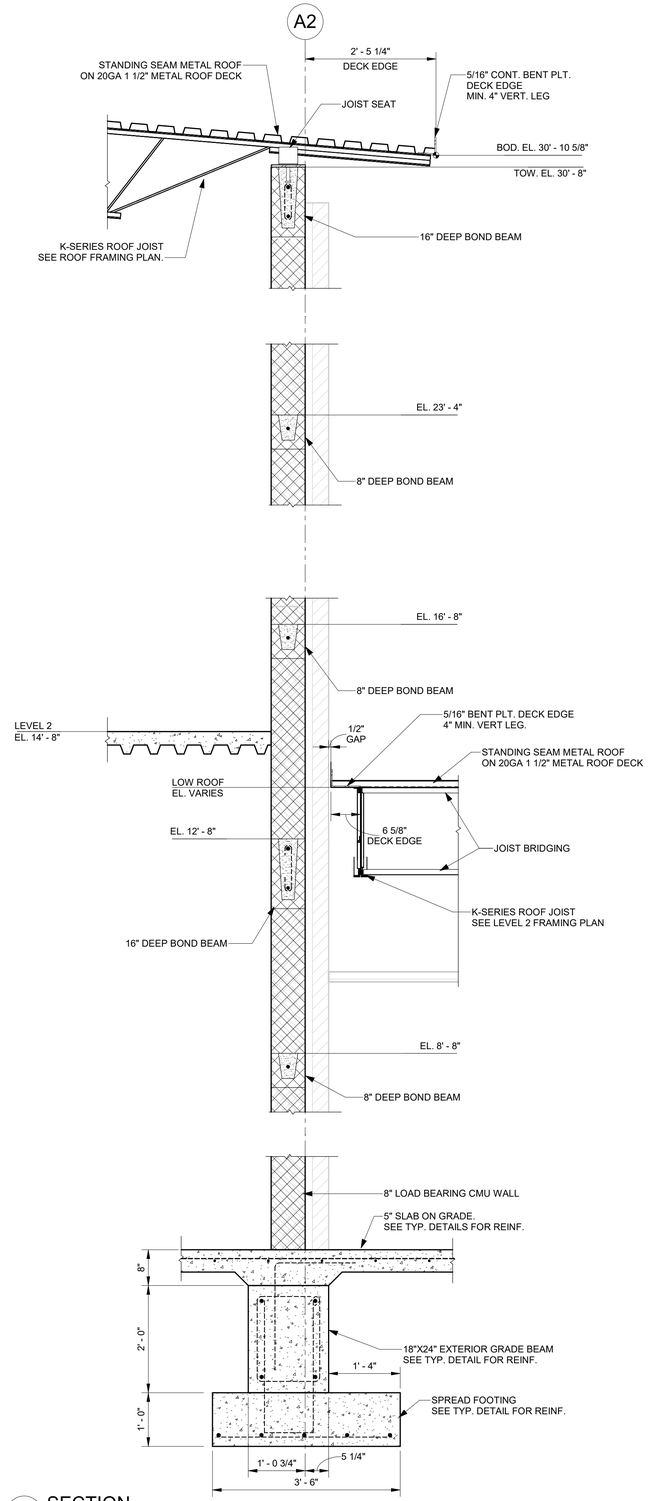
REVISIONS

BUILDING A - WALL SECTIONS

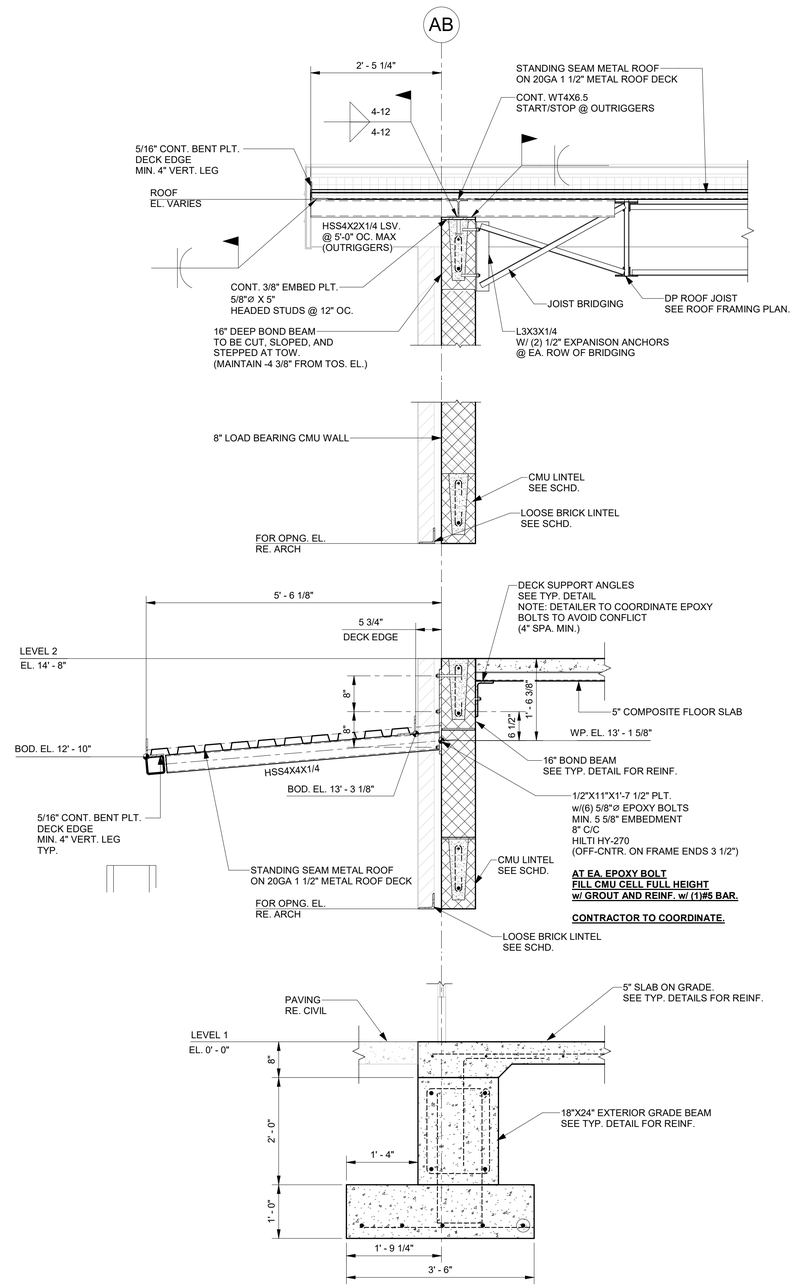
SHEET # S301



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



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



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

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REVISIONS

BUILDING A - WALL SECTIONS

SHEET # S302

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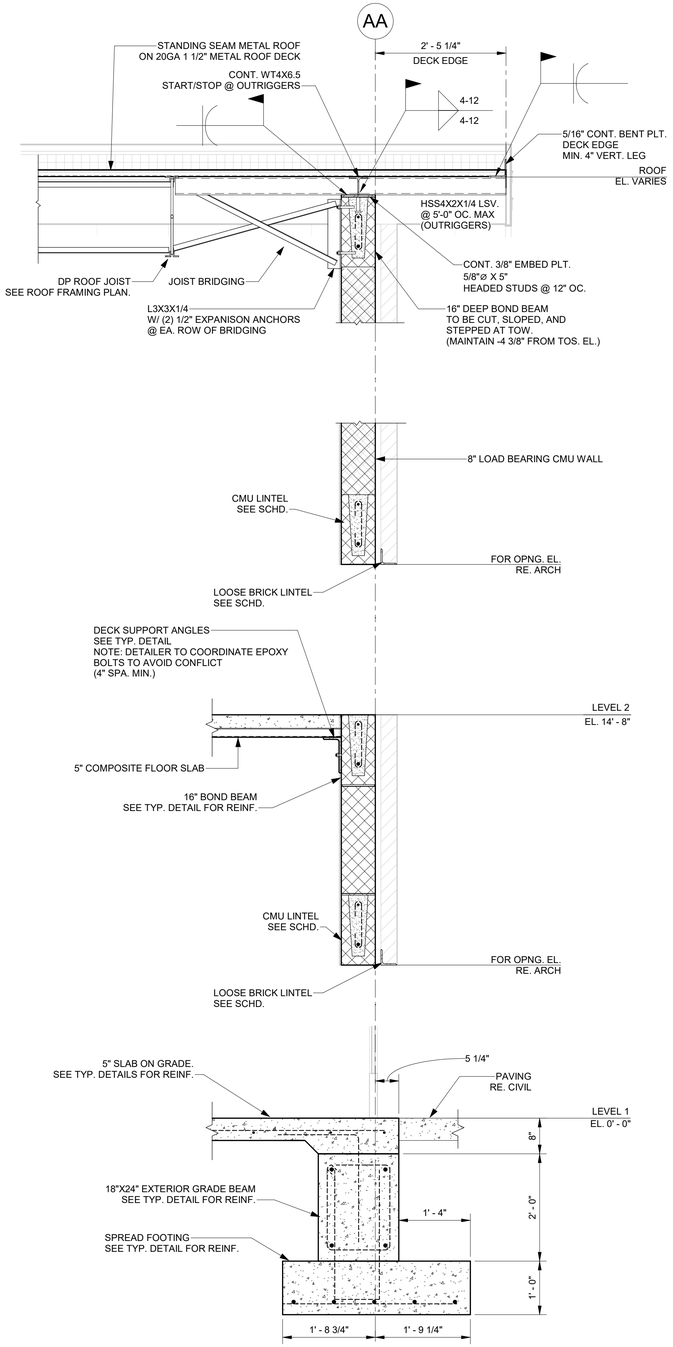
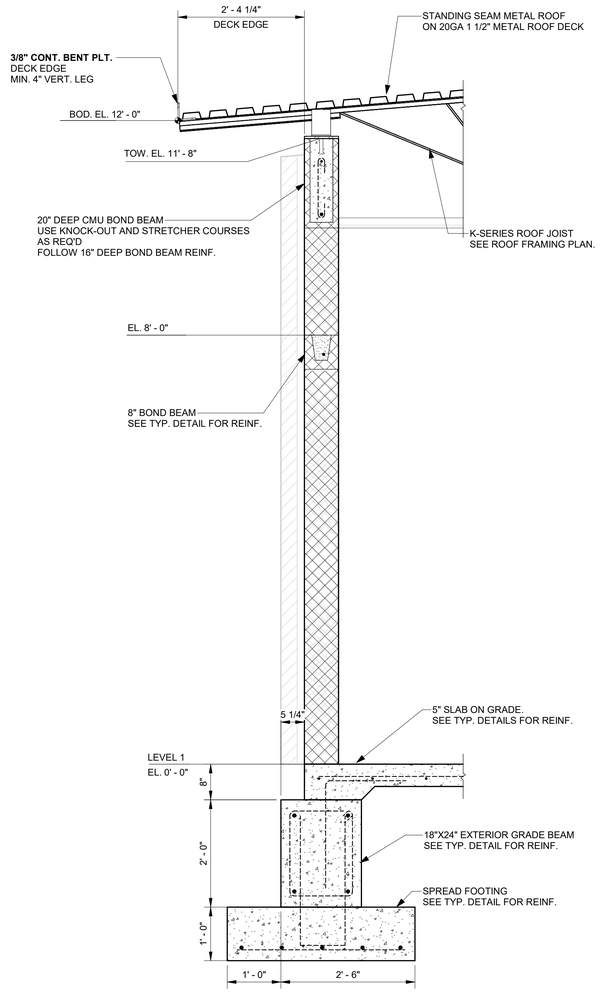
SIM.



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



2 SECTION
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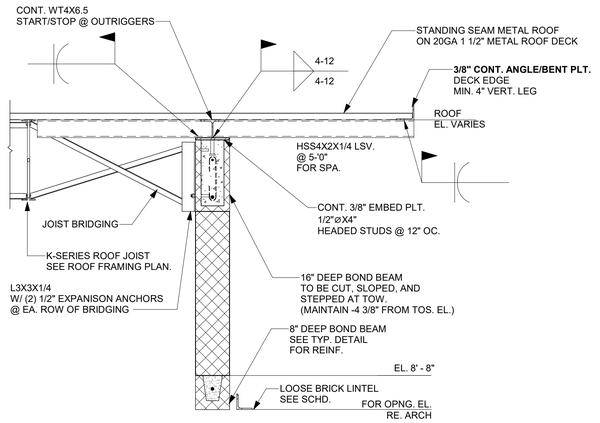

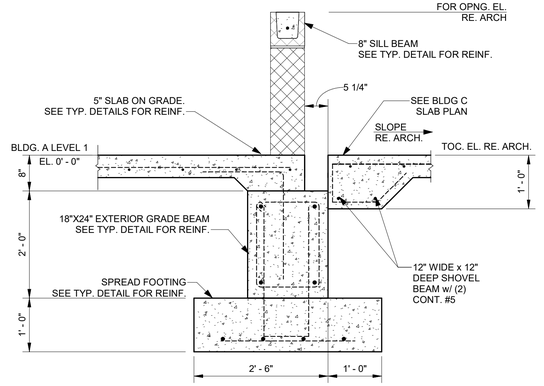

3 SECTION
3/4" = 1'-0"

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JAMES R. LeBOUEF
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IN
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REVISIONS

BUILDING A - WALL SECTIONS

SHEET # S303

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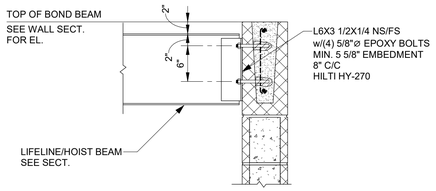
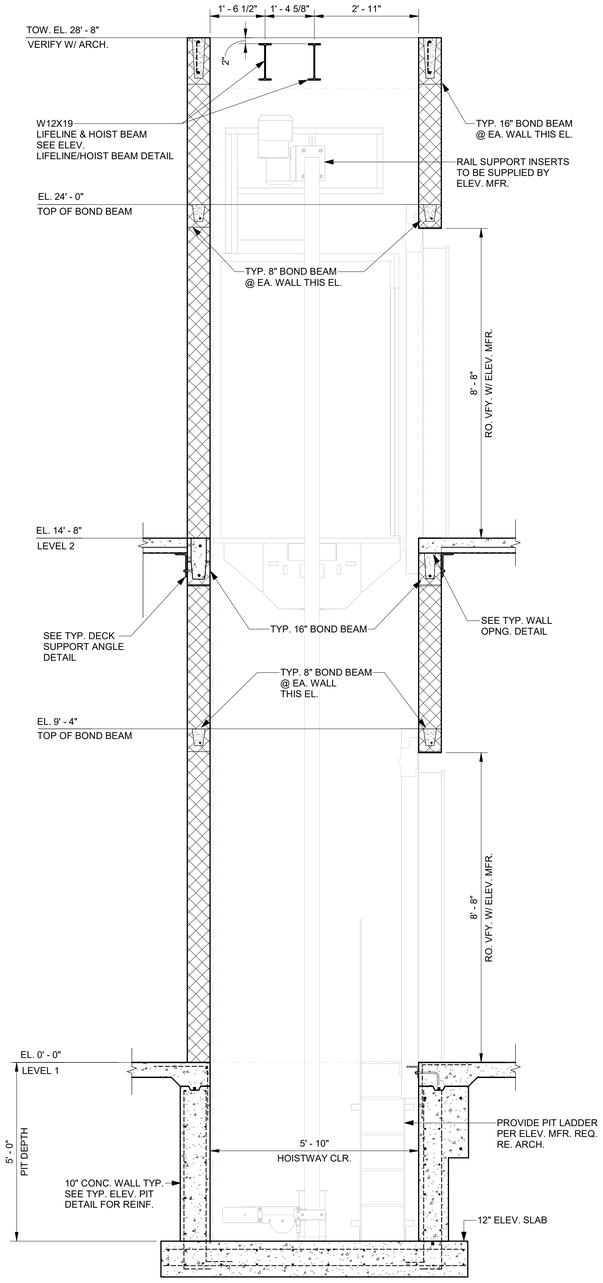
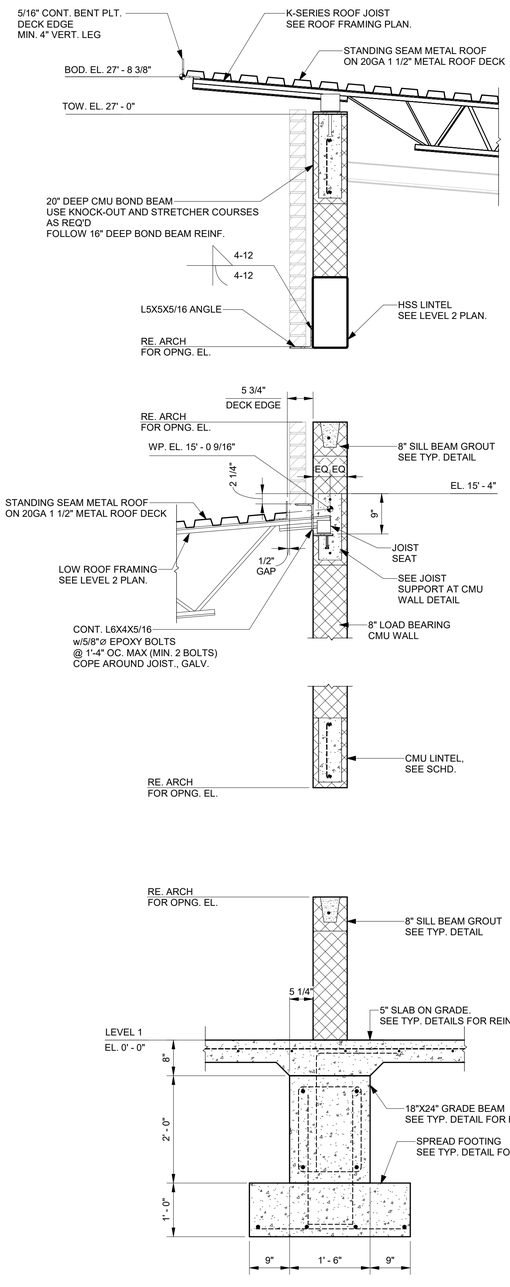


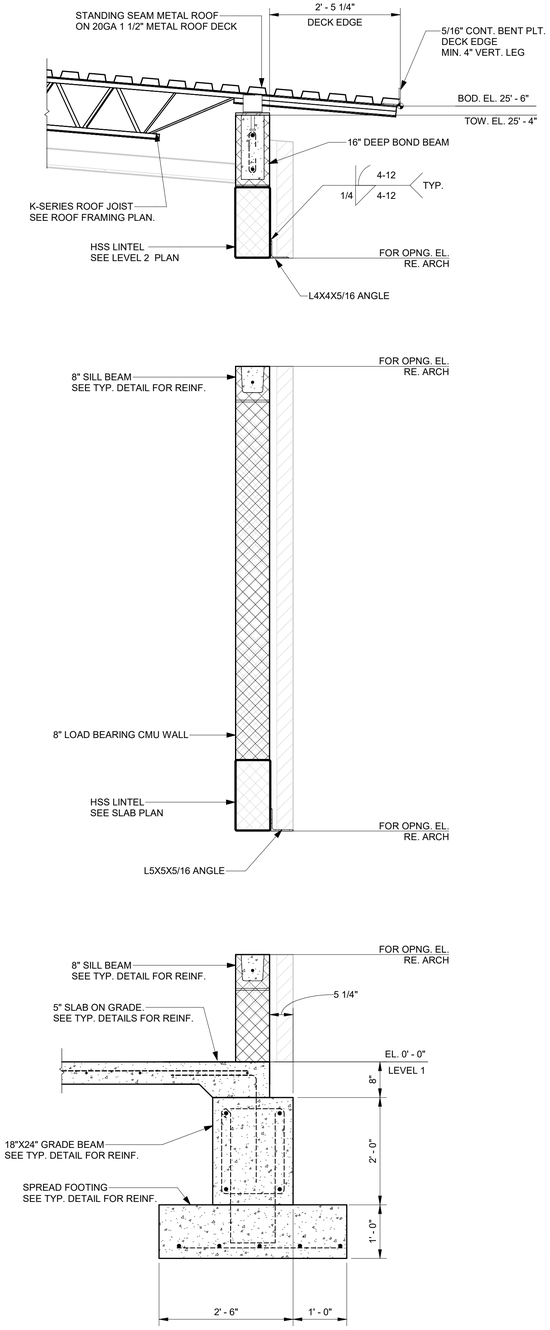
ELEV. LIFELINE/HOIST BEAM TO CMU DETAIL



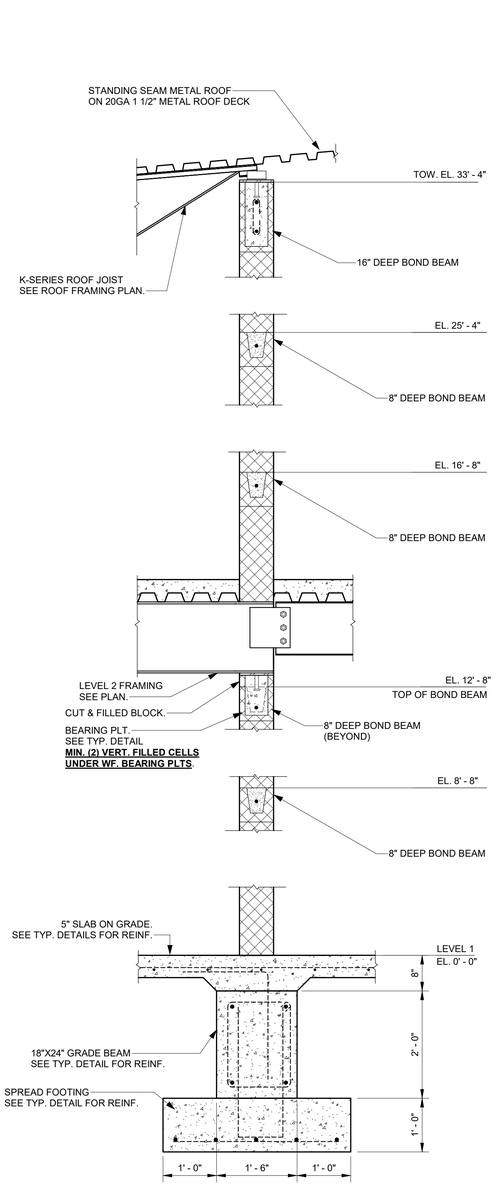
1 SECTION
1/2" = 1'-0"



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



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



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

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JAMES R. LaBOUBE
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PROFESSIONAL ENGINEER
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10/19/26

REVISIONS

BUILDING A - WALL SECTIONS

SHEET # S304

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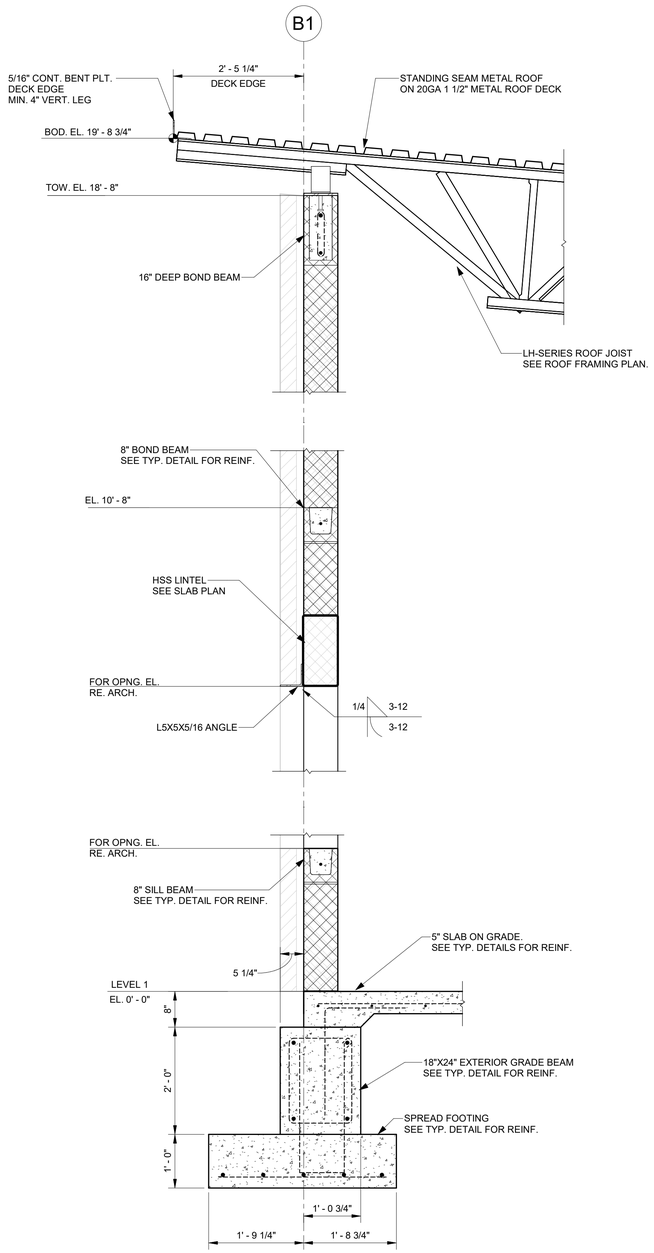
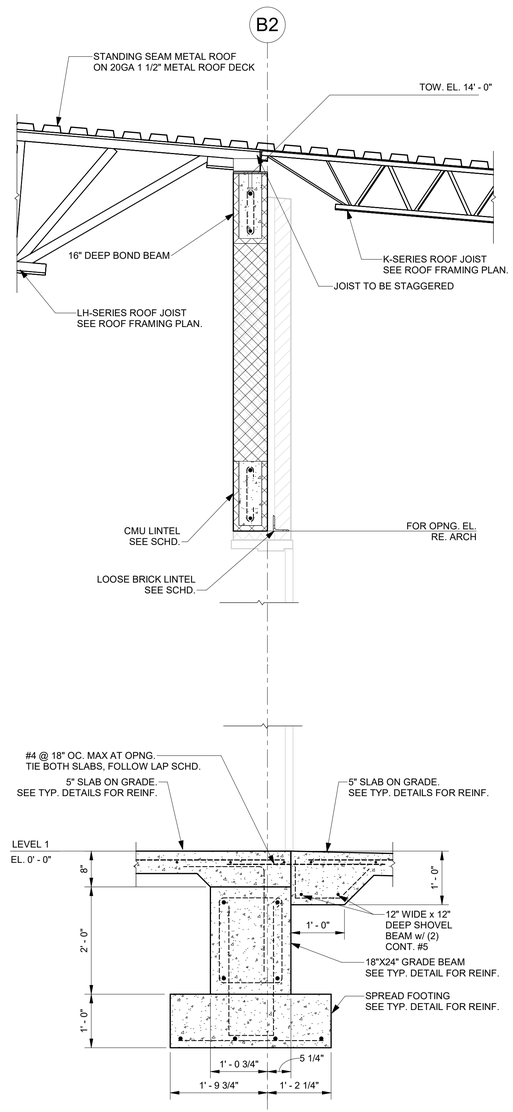
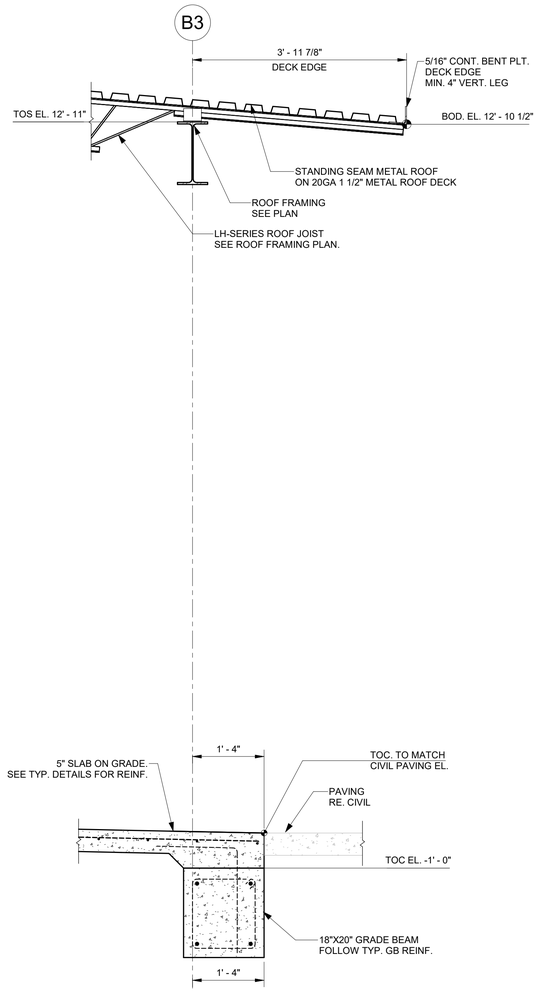


1 SECTION
3/4" = 1'-0"



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



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

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REVISIONS

BUILDING B - WALL SECTIONS

SHEET # S310

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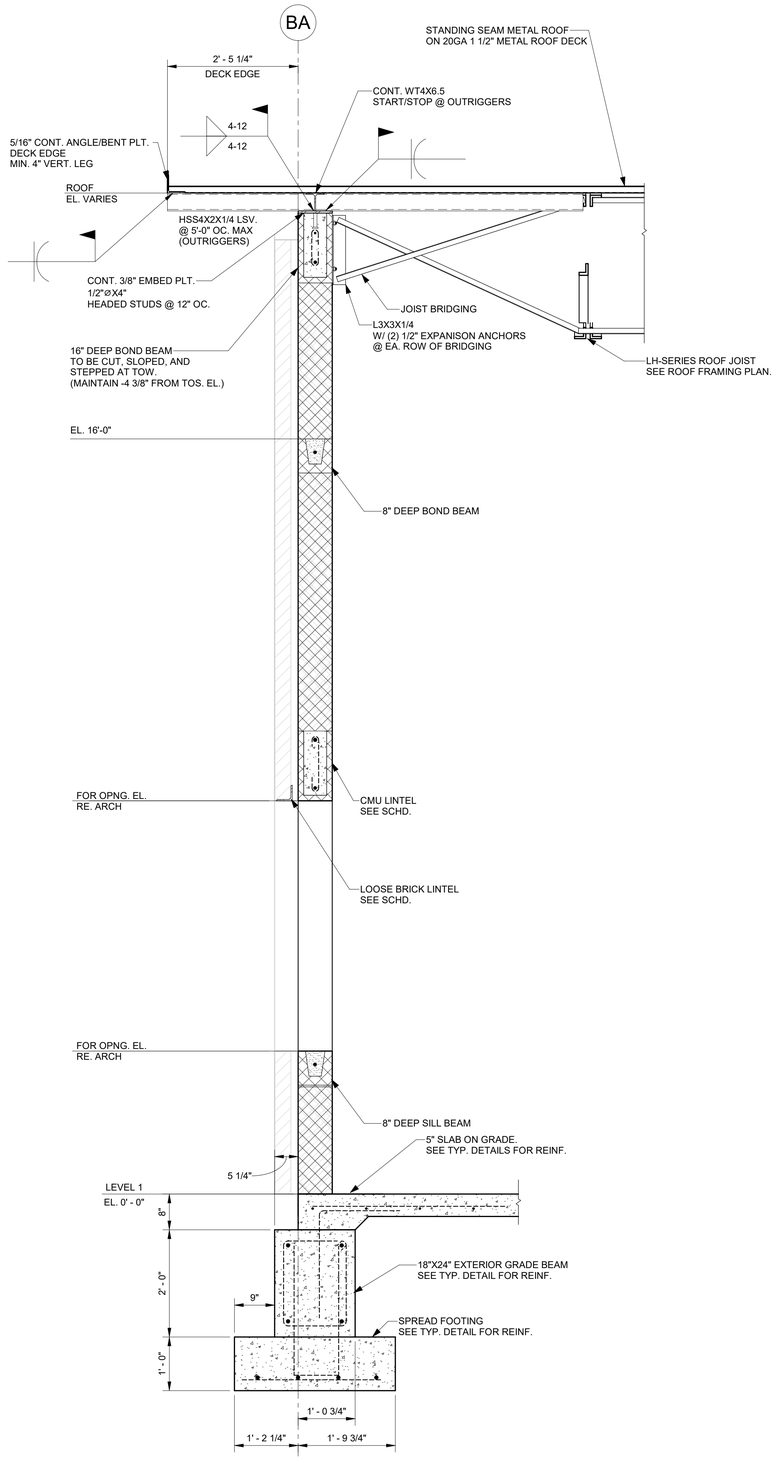
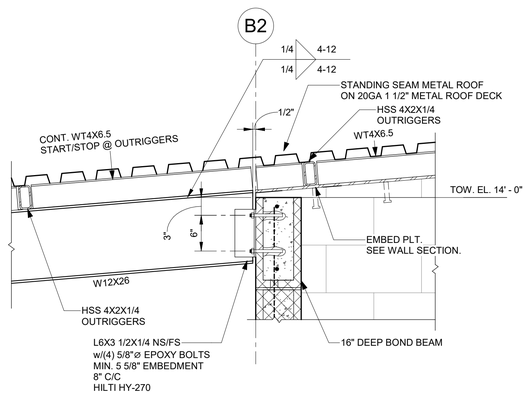


1 SECTION
3/4" = 1'-0"



2 SECTION
1" = 1'-0"

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JAMES R. LeBOUEF
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REVISIONS

BUILDING B - WALL SECTIONS

SHEET # S311

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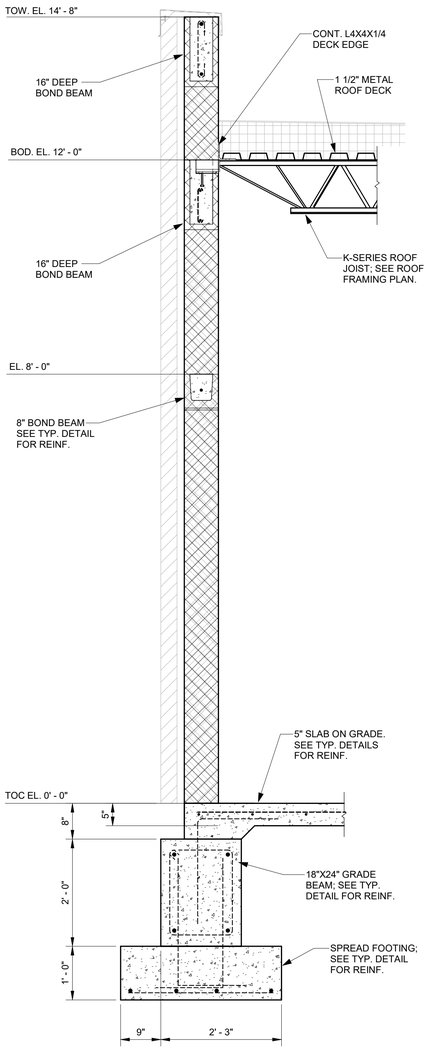
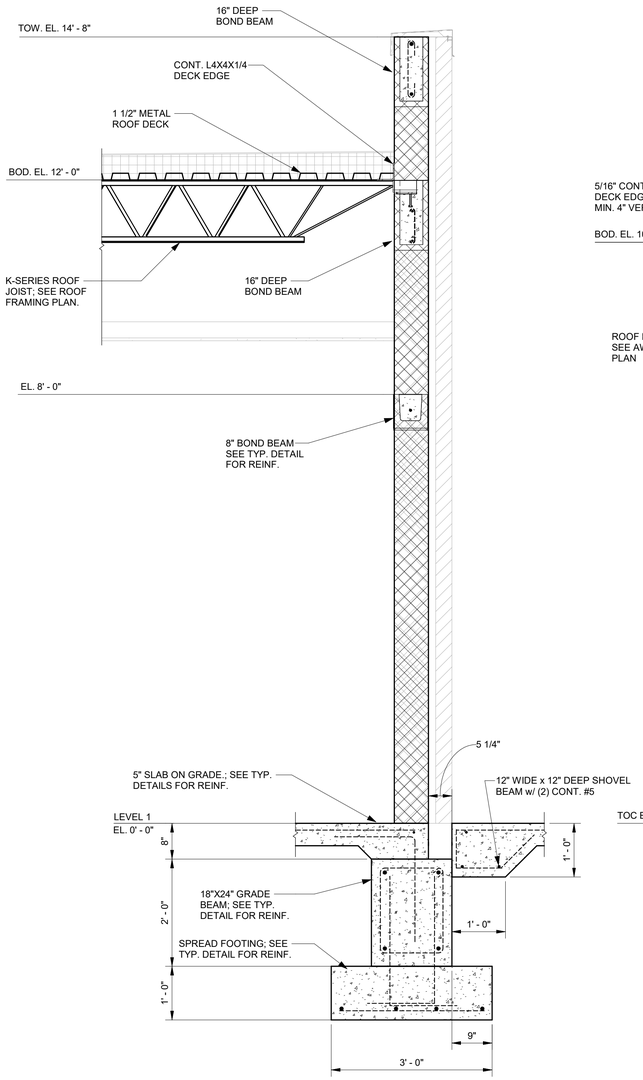
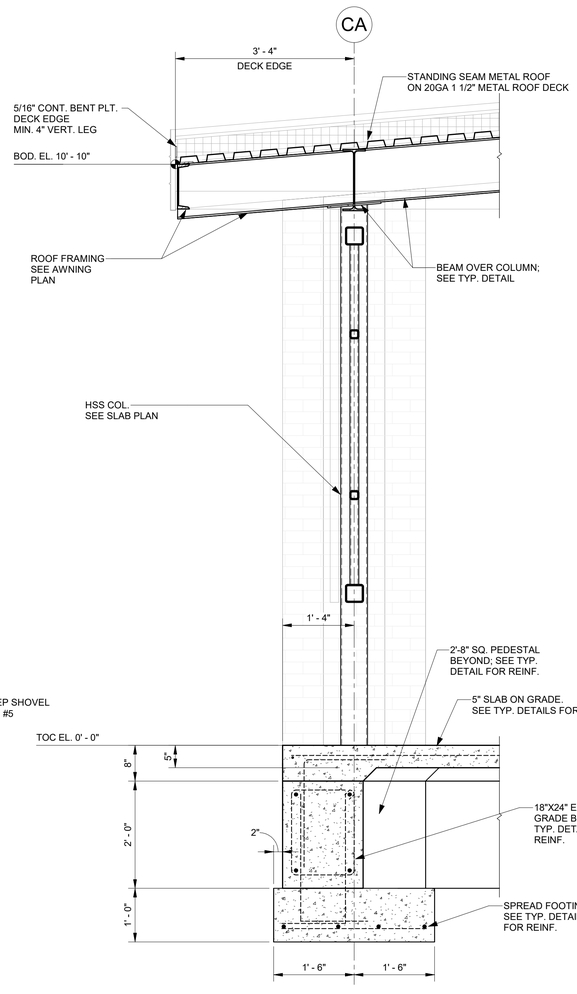


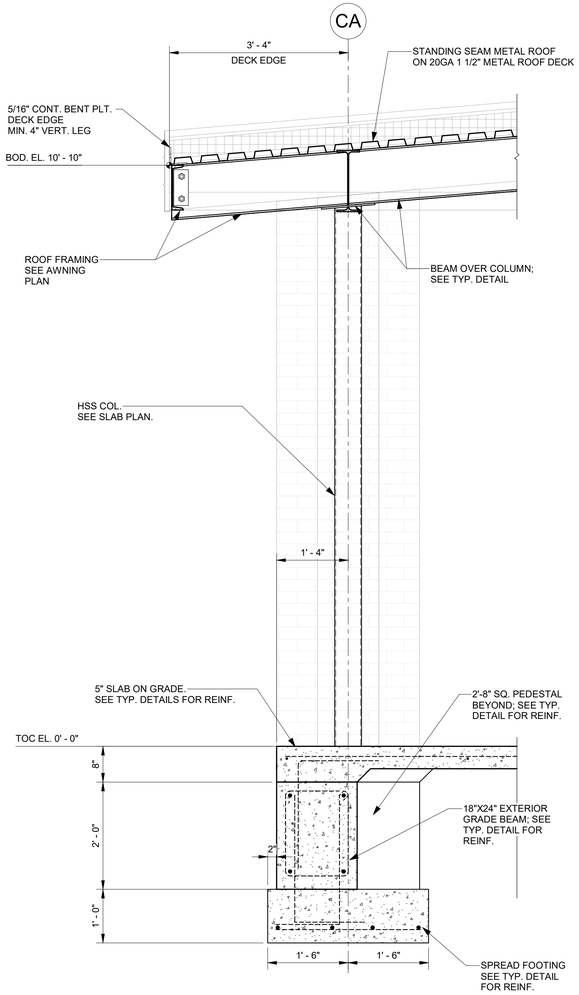
1 SECTION
3/4" = 1'-0"



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



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



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

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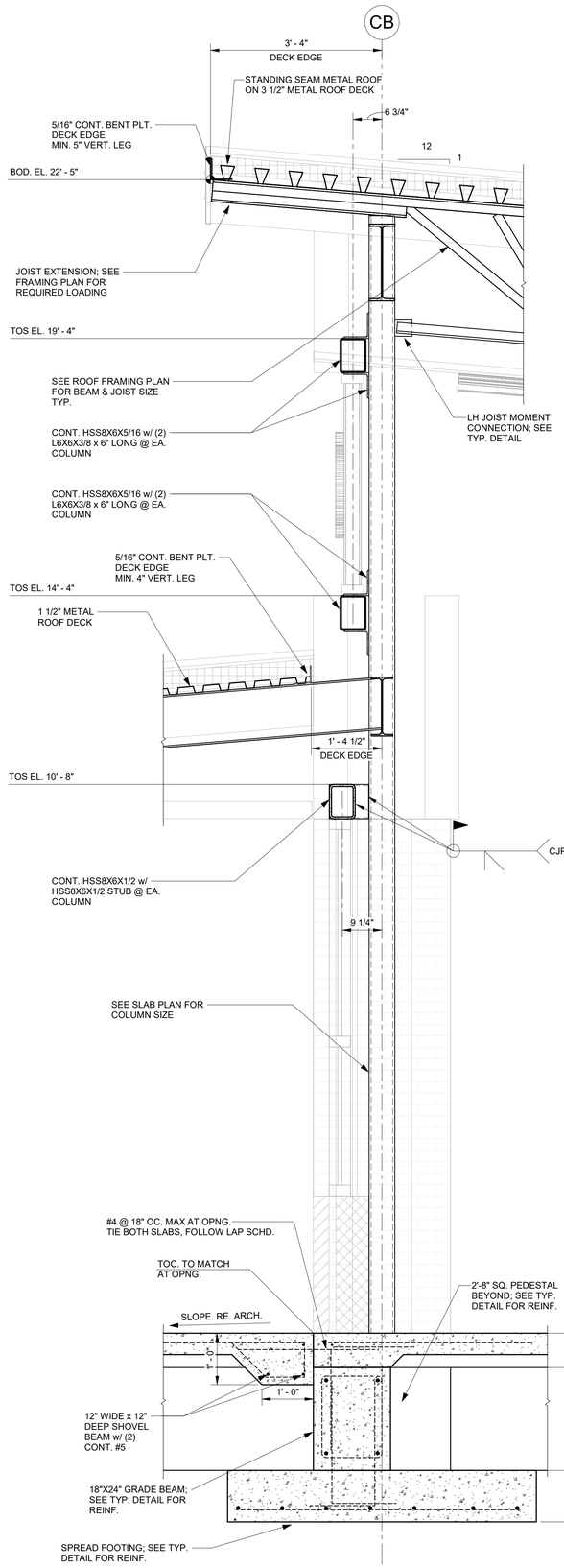
10/19/26

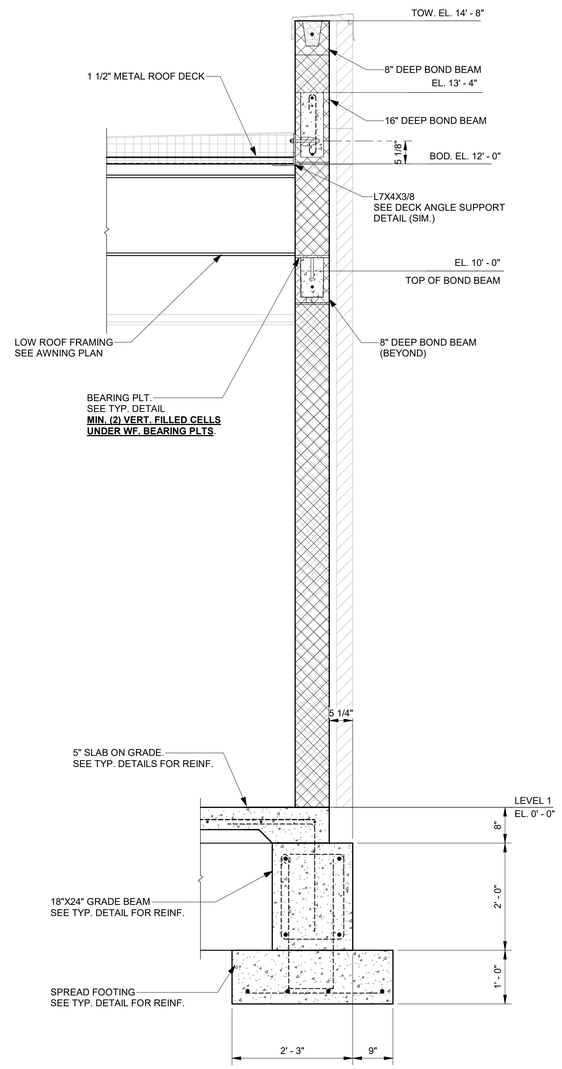
REVISIONS

BUILDING C - WALL SECTIONS

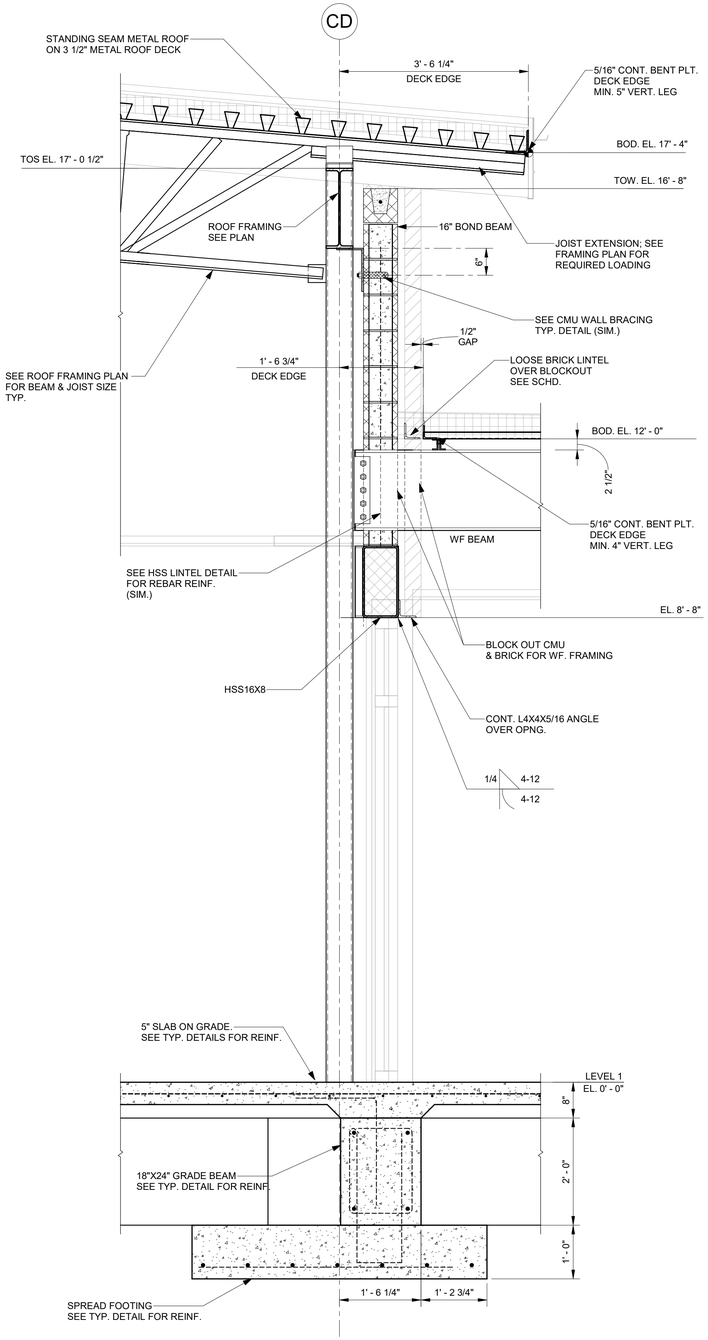
SHEET # S320



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



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



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

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10/19/26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
JAMES R. LeBOUEF
License No. 35036
PROFESSIONAL ENGINEER IN
CIVIL ENGINEERING
10/19/26

REVISIONS

BUILDING C - WALL SECTIONS

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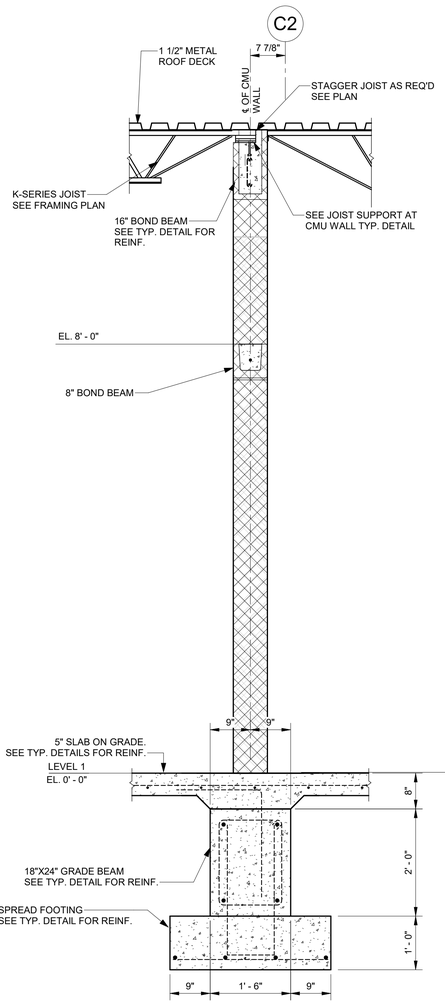
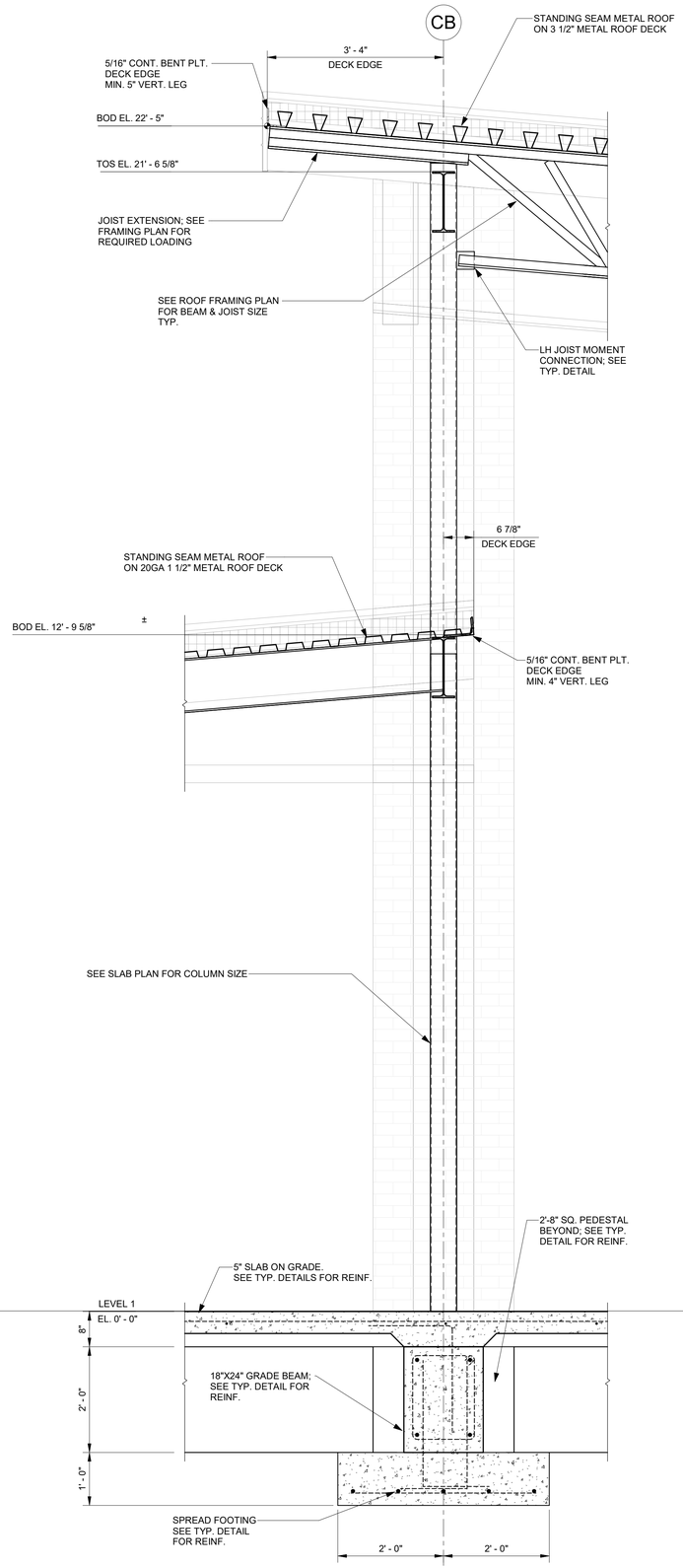


1 SECTION
3/4" = 1'-0"



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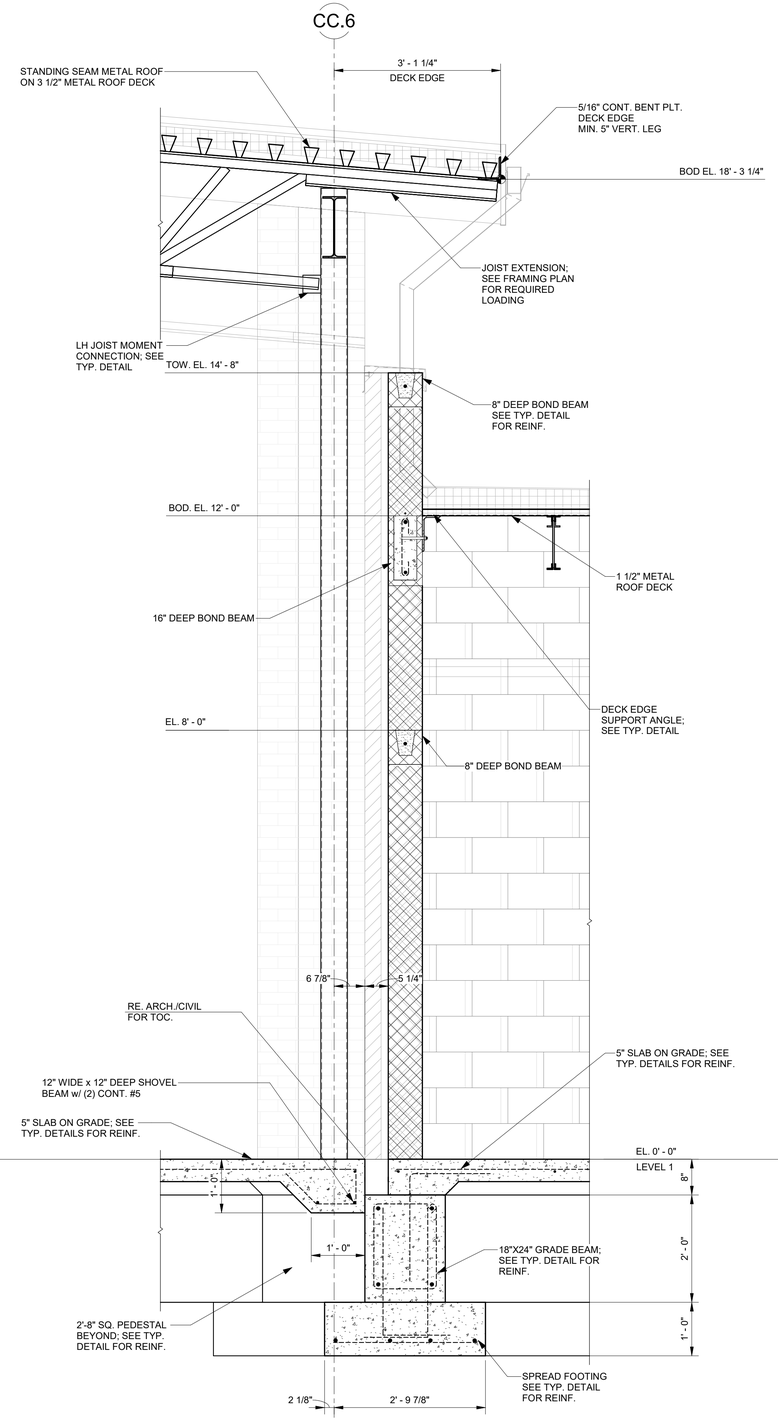

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REVISIONS

BUILDING C - WALL SECTIONS

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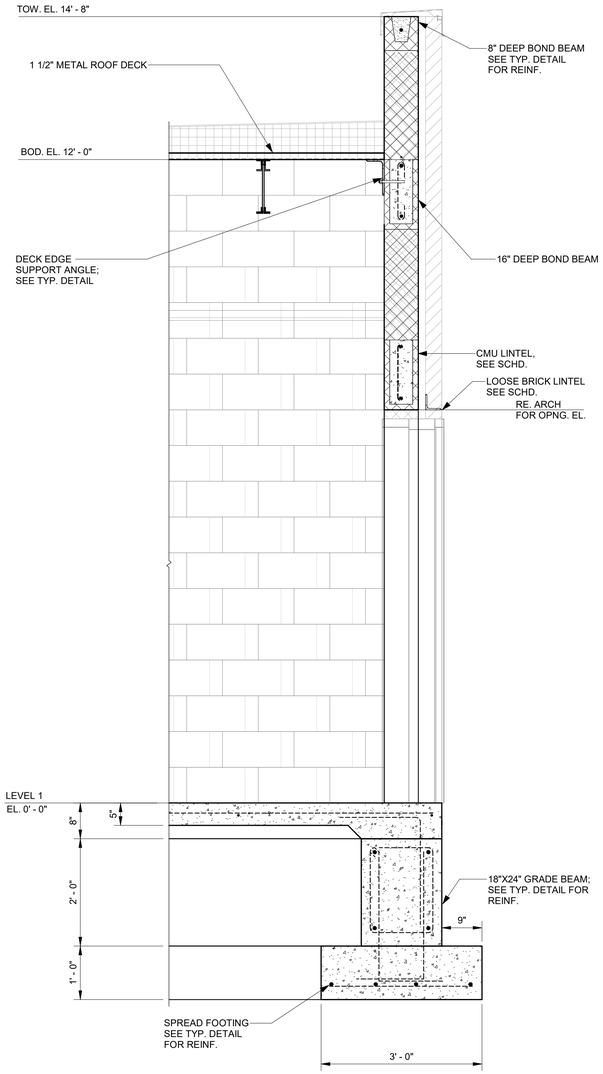

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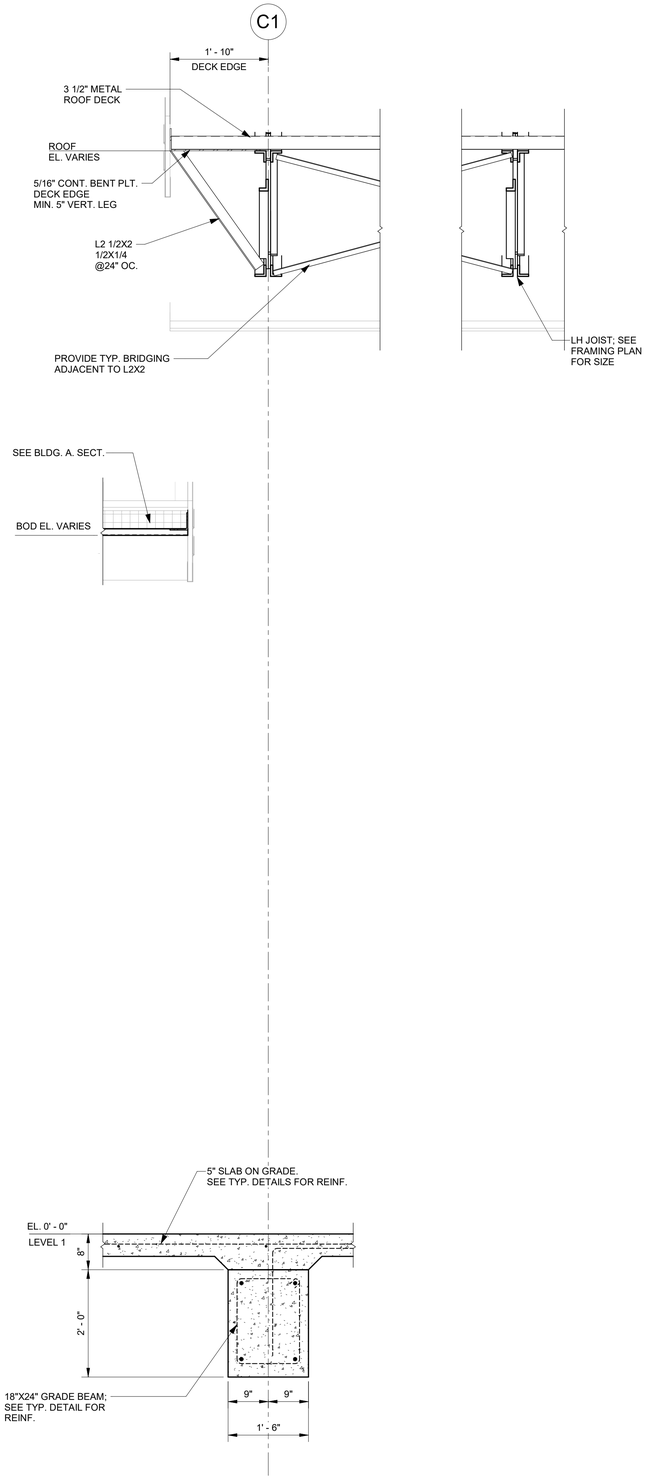

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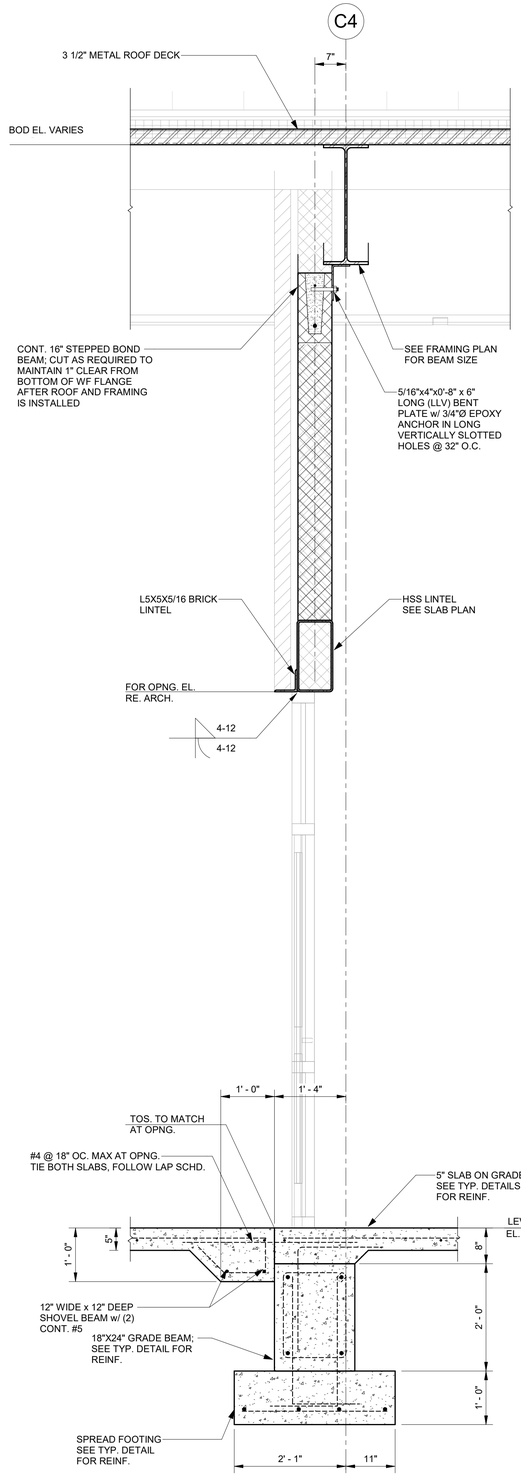

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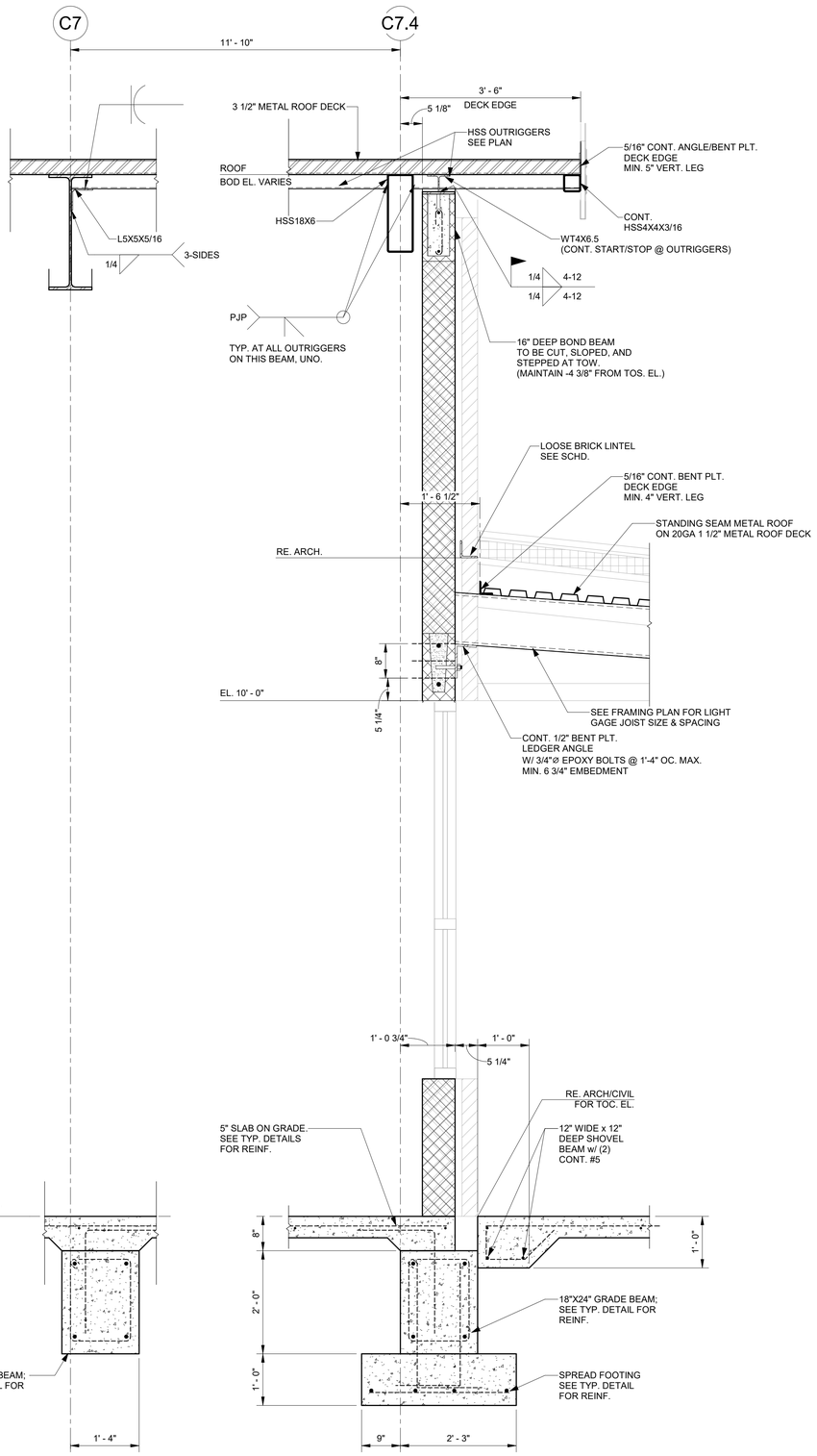

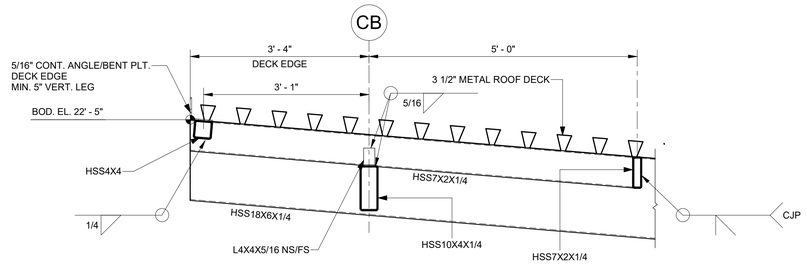

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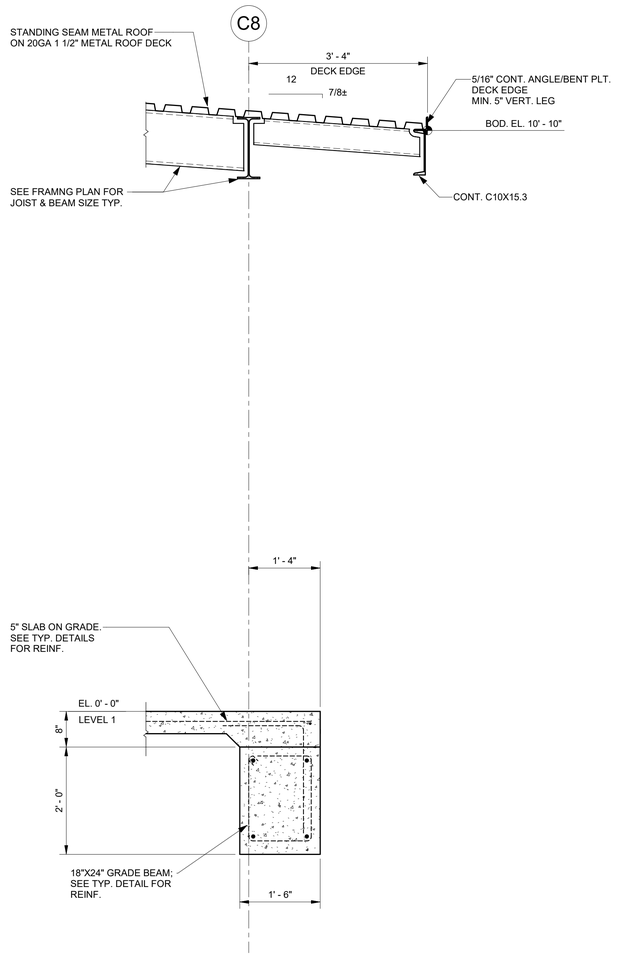

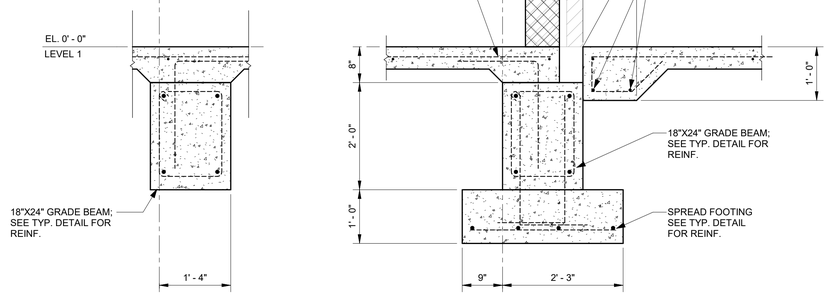

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REVISIONS

BUILDING C - WALL SECTIONS

SHEET # S324

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SOIL AND FOUNDATION NOTES:

1. THIS FOUNDATION DESIGN WAS BASED ON AND IS RELIANT UPON THE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT AS PREPARED BY STRATUM ENIGNEERING OF SLIDELL, LA; REPORT NUMBER G26-055 DATED AUGUST 31, 2026.
2. STRICT ADHERENCE TO THIS PLAN AND GEOTECHNICAL REPORT RECOMMENDATIONS IS REQUIRED. A COPY OF THEIR REPORT IS AVAILABLE AT THE ARCHITECT'S OFFICE FOR REVIEW.
3. UNLESS OTHERWISE NOTED IN THE GEOTECHNICAL REPORT, ALL FILL AND BACKFILL UNDER THE BUILDING AND FIVE FEET BEYOND THE BUILDING FOUNDATION SHALL BE SELECT MATERIAL COMPACTED TO WITHIN 95% OF THE STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.
4. UNLESS OTHERWISE NOTED IN THE GEOTECHNICAL REPORT, ALL FILL AND BACKFILL MATERIAL SHALL HAVE A "CL" CLASSIFICATION WITH A LIQUID LIMIT LESS THAN 45 AND A PLASTICITY INDEX BETWEEN 8 AND 25.
5. EARTH FORMS ARE ACCEPTABLE PROVIDED THE SOIL IS FIRM ENOUGH TO MAINTAIN STABILITY OF THE EXCAVATIONS BEFORE AND DURING THE INSTALLATION OF CONCRETE.

SHALLOW FOUNDATION CAPACITY:
ISOLATED = 2,500 psf
CONTINUOUS = 2,000 psf

CMU WALL NOTES:

1. UNLESS OTHERWISE NOTED ON THESE DRAWINGS, ALL 8" INTERIOR AND EXTERIOR LOAD BEARING WALLS SHALL HAVE ONE (1) No. 5 REBAR IN CONCRETE FILLED CELLS AT 32" ON CENTER HORIZONTALLY EXTENDING FROM THE FLOOR SLAB TO THE COURSING BELOW THE CMU BOND BEAM AT THE TOP OF THE WALL.
2. CONCRETE NIBS SHALL BE FULLY GROUTED AND SHALL HAVE ONE (1) No. 5 REBAR IN EA. CONCRETE FILLED CELL. NIBS SHALL FOLLOW TYP. BOND BEAM DETAILS AND ELS. TO THE ATTACHING WALL.
3. A 90 DEGREE No. 5 HOOKED REBAR WITH A 2'-6" LEG SHALL BE PLACED IN THE SLAB AND RUN INTO THE FILLED CELLS AT EACH VERTICAL REBAR UNLESS OTHERWISE NOTED.
4. UNLESS NOTED OTHERWISE ON THESE PLANS/SECTIONS, AND IN ADDITION TO FILLED VERTICAL CELLS, THE CMU WALLS SHALL HAVE A CONTINUOUS BOND BEAM @ EL. 8' - 0" A.F.F. (TOP OF BOND BEAM), EVERY 8' - 0" VERTICALLY AND AT TOP OF ALL LOAD BEARING WALLS. THESE BOND BEAMS SHALL HAVE A MINIMUM OF ONE (1) NO. 5 REBAR AND SHALL BE FILLED WITH CONCRETE. (SEE DWGS FOR ADDITIONAL REINFORCEMENT).
5. CONCRETE GROUT FOR CMU BOND BEAMS, FILLED CELLS AND PILASTERS SHALL BE MIXTURE (PORTLAND CEMENT, SAND, PEA GRAVEL) AND SHALL MEET ASTM C476-10 STANDARD SPECIFICATIONS FOR GROUT FOR MASONRY. IT SHALL ATTAIN 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WEN MIXED WITH SUFFICIENT WATER TO HAVE A 9" SLUMP. PEA GRAVEL SHALL HAVE 3/8" MAXIMUM SIZE.
6. AT ALL INTERIOR NON-LOAD BEARING PARTITIONS PROVIDE 12 GA. PARTITION TYPE ANCHORS SECURED TO STRUCTURE SPACED AT 48" O.C. (SEE DRAWINGS).
7. PROVIDE CORNER BARS (SIZE TO MATCH BOND BEAM REBAR) AT ALL BOND BEAM INTERSECTIONS.

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE AND REINFORCING STEEL SHALL CONFORM TO THE LATEST ACI CODE.
2. UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE PLANS, ALL CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI FOR SLABS AND 4,000 PSI FOR ALL CONCRETE BELOW SLABS/PAVING.
3. UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE PLANS, ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
4. WHERE REINFORCING STEEL IS CALLED TO BE WELDED, WELDABLE REINFORCING STEEL SHALL BE USED.
5. PROVIDE ALL NECESSARY REINFORCING STEEL ACCESSORIES REQUIRED TO SECURELY HOLD THE REINFORCING STEEL IN THE POSITION SHOWN ON THESE PLANS.
6. ALL REINFORCING IN MEMBERS IN CONTACT WITH THE EARTH BUT NOT FORMED AGAINST EARTH SHALL HAVE A MINIMUM OF TWO (2) INCHES OF CONCRETE COVER.
7. ALL REINFORCING IN FACES OF MEMBERS FORMED AGAINST THE EARTH SHALL HAVE A MINIMUM OF THREE (3) INCHES OF CONCRETE COVER.
8. ALL REINFORCING BAR LAPS SHALL BE 44 BAR DIAMETERS FOR #6 OR SMALLER AND 55 BAR DIAMETERS FOR #7 OR LARGER. GRADE BEAM TOP BARS SHALL BE SPLICED WITHIN THE MIDDLE THIRD OF BEAM SPAN. GRADE BEAM BOTTOM BARS SHALL BE SPLICED AT BEAM SUPPORTS.

POST- INSTALLED ANCHOR NOTES:

1. ALL POST-INSTALLED ANCHORS SHALL HAVE A CODE REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION. THE CONTRACTOR SHALL INCLUDE THE CODE REPORT WITH THE POST-INSTALLED ANCHOR SUBMITTAL.
2. THE CONTRACTOR SHALL SUBMIT ANCHOR PRODUCT DATA IN ACCORDANCE WITH THE SUBMITTAL REQUIREMENTS CALLED FOR IN THE CONSTRUCTION DOCUMENTS. ANCHOR PRODUCT DATA SHALL INCLUDE ALLOWABLE ANCHOR SHEAR AND TENSILE FORCES FOR THE APPROPRIATE APPLICATION.
3. FOR ANCHORING INTO CONCRETE:
   A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193.
   B. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308.
4. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING AISC SPECIFICATIONS:
   WIDE FLANGE SHAPES: ASTM A992 GRADE 50
   CHANNEL, ANGLE, TEE & MISC. PLATES: ASTM A36
   TUBE STEEL: ASTM A500 GRADE B (46 KSI)
   PIPE: ASTM A53 GRADE B
   ANCHOR: F1554 GR. 36 ALL THRD.
5. FOR ANCHORING INTO SOLID GROUTED MASONRY:
   A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106.
   B. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58.
6. FOR ANCHORING INTO HOLLOW CONCRETE MASONRY:
   A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC106.
   B. ADHESIVE ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. THE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.
7. THE CONTRACTOR SHALL CONTACT THE MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE ARCHITECT AND/OR ENGINEER OF RECORD INDICATING TRAINING HAS TAKEN PLACE.
8. FOR ADHESIVE ANCHORS, ALL HOLES MUST BE CLEANED WITH A HOLE CLEANING BRUSH PRIOR TO THE INSTALLATION OF ADHESIVE. CLEAN HOLES PER MANUFACTURER'S RECOMMENDATIONS. CLEANING HOLES WITH AN AIR COMPRESSOR IS NOT ALLOWED.
9. POST-INSTALLED ANCHORS SHALL NOT BE PLACED IN CONCRETE THAT IS LESS THAN 7 DAYS OLD.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE AISC SPECIFICATION.
2. STEEL JOISTS SHALL CONFORM TO THE LATEST VERSION OF THE SJI SPECIFICATIONS.
3. WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS CODE.
4. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING AISC SPECIFICATIONS:
   WIDE FLANGE SHAPES: ASTM A992 GRADE 50
   CHANNEL, ANGLE, TEE & MISC. PLATES: ASTM A 36
   TUBE STEEL: ASTM A500 GRADE B (46 KSI)
   PIPE: ASTM A53 GRADE B
5. VERIFY ALL DIMENSIONS, SIZES AND CONDITIONS PRIOR TO THE PREPARATION OF SHOP DRAWINGS OR FABRICATION OF STEEL.
6. ALL WELDS SHALL BE MADE WITH E70 ELECTRODES UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL COORDINATE LOCATION AND SIZE OF ALL OPENINGS. SEE TYPICAL ROOF OPENING DETAIL FOR REQUIRED FRAMING.
8. ANY STRUCTURAL STEEL ITEMS CALLED FOR IN THE CONSTRUCTION DOCUMENTS, OTHER THAN ON THE STRUCTURAL DRAWINGS, SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
9. ANY STRUCTURAL STEEL REQUIRED BY THE ELEVATOR SUB-CONTRACTOR NOT SHOWN ON THESE DRAWINGS SHALL BE PROVIDED BY THE ELEVATOR SUB-CONTRACTOR. THE PRICE OF THIS STRUCTURAL STEEL SHALL BE INCLUDED IN THE CONTRACTOR'S BID.

LEVEL 2 DECK SYSTEM:

1. SECOND FLOOR DECK SYSTEM SHALL CONSIST OF 5" CONCRETE (TOTAL DEPTH) ON 2", 20 GA. COMPOSITE METAL DECK (SEE SPECIFICATIONS)
2. REFER TO TYPICAL COMPOSITE FLOOR SLAB REINFORCING DETAILS FOR INSTALLATION

ROOF NOTES:

1. ROOF DECKS INDICATED ON THE DRAWINGS SHALL BE AS FOLLOWS:

   STEEL ROOF DECK SHALL BE 1 1/2" DEEP, 22 GAGE, TYPE "B" GALVANIZED METAL DECK (SEE SPECIFICATIONS)

   LONG-SPAN ACOUSTICAL ROOF DECK (SEE SPECIFICATION SECTIONS)
2. ALL DECK TO BE CONTINUOUS OVER A MINIMUM OF 2 SPANS. SEE ALSO SPECIFICATIONS.
3. JOIST BRIDGING IS TO MEET THE REQUIREMENTS OF THE SJI.
4. ALL JOISTS TO HAVE DOUBLE ANGLE BOTTOM CHORDS.
5. INCREASE JOIST MEMBER SIZES AS REQUIRED TO MEET U.L. FIRE RATING SPECIFIED BY ARCHITECT.
6. ALL ROOFS ARE DESIGNED WITH THE ASSUMPTION THAT IF THE PRIMARY DRAINS ARE STOPPED UP, THERE ARE ADEQUATE OVERFLOW SCUPPERS THAT WILL NOT ALLOW MORE THAN 4" OF WATER ON THE ROOFS. IF THERE ARE AREAS THAT DO NOT CONFORM TO THIS, IMMEDIATELY NOTIFY THE ARCHITECT SO THAT CORRECTIVE ACTION CAN BE TAKEN.

MISCELLANEOUS LINTEL SCHEDULE:

WHERE LINTELS ARE NOT SHOWN OTHERWISE, PROVIDE THE FOLLOWING FOR THE RESPECTIVE CLEAR OPENINGS:

IN 4" BLOCK WALLS:
UP TO 3'-0" : PLATE 3/8"x 3 1/2"
UP TO 8'-6" : ST3x6.25

IN 6" BLOCK WALLS:
UP TO 4'-0" : 8" DEEP CONC. FILLED U-BLOCK w/1#5 BOT.
UP TO 5'-10" : 8" DEEP CONC. FILLED U-BLOCK w/1#6 BOT.

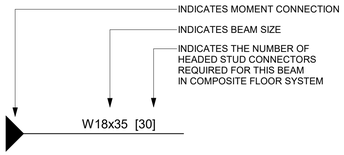
IN 8" NON-LOAD BEARING BLOCK WALLS:
UP TO 5'-10" : 8" DEEP CONC. FILLED U-BLOCK w/(2)#5
UP TO 10'-0" : 16" DEEP CONC. FILLED U-BLOCK w/ (1)1#7 TOP & BOT. w/ #3 TIES @ 16" O.C.

AT 4" BRICK:
UP TO 4'-0" : 3 1/2"x 3 1/2"x 5/16" ANGLE
UP TO 7'-0" : 6"x 4"x 5/16" ANGLE
UP TO 12'-0" : 7"x 4"x 3/8" ANGLE

1. BEAR LINTELS A MINIMUM OF 8" EACH END.
2. THE FIRST CELL ON EACH SIDE OF AN OPENING SHALL BE FILLED AND CONTAIN A #5 BAR.
3. ALL STEEL ANGLE LINTELS TO BE HOT-DIPPED GALVANIZED.

IN 8" **LOAD BEARING** BLOCK WALLS:
UP TO 4'-0" : 16" DEEP CONC. FILLED U-BLOCK w/ (1)#4 TOP,(1)#6 BOT. w/ #3 TIES @ 16" O.C. T&B. REINF TO EXTEND 16" PAST OPENING IN GROUT FILLED CELLS.
UP TO 11'-6" : 16" DEEP CONC. FILLED U-BLOCK w/ (1)#8 TOP,(1)#8 BOT. w/ #3 TIES @ 16" O.C. T&B. REINF. TO EXTEND 32" PAST OPENING IN GROUT FILLED CELLS UNO.

FOR LOAD BEARING WALLS:
1. LINTELS SHALL BEAR A MINIMUM OF 16" EACH END.
2. THE FIRST (2) CELLS ON EACH SIDE OF AN OPENING SHALL BE FILLED AND CONTAIN A #5 BAR.
4. IN EXTERIOR OPENINGS, A SILL BEAM CONSITING OF A CONTINUOUS 8" DEEP BOND BEAM ACROSS THE LENGTH OF THE OPENING SHALL BE PROVIDED. FOLLOW 8" BOND BEAM REINF.
5. HSS LINTELS SHALL BE MARKED ON PLANS, AND SHALL FOLLOW THE HSS LINTEL DETAIL. STEEL BRICK LINTELS ARE TO BE WELDED TO HSS LINTELS AS SHOWN. ALL STEEL PROVIDED FOR EXTERIOR OPENINGS SHALL BE HOT-DIPPED GALVANIZED.



BEAM MARK KEY

SUPERIMPOSED DESIGN LOADS:

1. LIVE LOADS

   FIRST FLOOR:
   ALL SPACES = 100 PSF + 20 PSF PARTITION
   SECOND FLOOR:
   CLASSROOMS = 40 PSF
   ALL OTHER SPACES = 100
   ROOF = 20 PSF

2. SEISMIC LOADS:

   OCCUPANCY CATEGORY = III
   Ss = 0.091
   S1 = 0.060
   SITE CLASS = D
   Sds = 0.097
   Sd1 = 0.097
   DESIGN CATEGORY = A
   NOT SPECIFICALLY DESIGNED FOR SEISMIC
   Cs = 0.040 Ie = 1.25
   R = 3
   ANALYSIS PROCEDURE = ASCE 7-16/IBC 2021

3. WIND LOADS:

   VELOCITY = 132 MPH
   RISK CATEGORY = III
   EXPOSURE = B
   ANALYSIS PROCEDURE = ASCE 7-16/IBC 2021
   COMPONENT AND CLADDING PRESSURE/SUCTION:

ROOF/ WALL ZONE	TRIBUTARY AREA (SQ. FT.)	SUCTION / PRESSURE (PSF)
1	10 OR LESS	-49.8 / +16.0
	20	-47.2 / +16.0
	50	-41.9 / +16.0
	100	-39.2 / +16.0
	200	-36.0 / +16.0
	500	-31.3 / +16.0
	1000	-31.3 / +16.0
1'	10 OR LESS	-28.6 / +16.0
	20	-28.6 / +16.0
	50	-28.6 / +16.0
	100	-28.6 / +16.0
	200	-24.6 / +16.0
	500	-19.3 / +16.0
	1000 OR MORE	-16.0 / +16.0
2	10 OR LESS	-65.7 / +16.0
	20	-62.5 / +16.0
	50	-55.1 / +16.0
	100	-52.5 / +16.0
	200	-47.2 / +16.0
	500	-41.9 / +16.0
	1000 OR MORE	-41.9 / +16.0
3	10 OR LESS	-89.6 / +16.0
	20	-81.6 / +16.0
	50	-71.0 / +16.0
	100	-60.4 / +16.0
	200	-52.5 / +16.0
	500	-41.9 / +16.0
	1000 OR MORE	-41.9 / +16.0
4	10 OR LESS	-33.9 / +31.3
	20	-32.6 / +28.6
	50	-31.3 / +27.3
	100	-28.6 / +26.0
	200	-27.3 / +24.6
	500	-26.0 / +23.3
	1000 OR MORE	-26.0 / +23.3
5	10 OR LESS	-31.9 / +31.3
	20	-39.2 / +28.6
	50	-36.6 / +27.3
	100	-33.9 / +26.0
	200	-28.6 / +24.6
	500	-26.0 / +23.3
	1000 OR MORE	-26.0 / +23.3

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10/19/26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
JAMES R. LeBOUEF
License No. 33038
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
10/19/26

REVISIONS

GENERAL NOTES

SHEET # S500

C:\Users\User\OneDrive\Documents\new 25087 - Loranger HS Addition - Structural_frankSSZHQ.rvt
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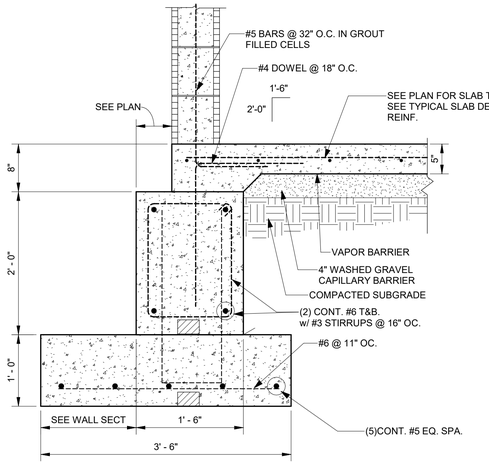
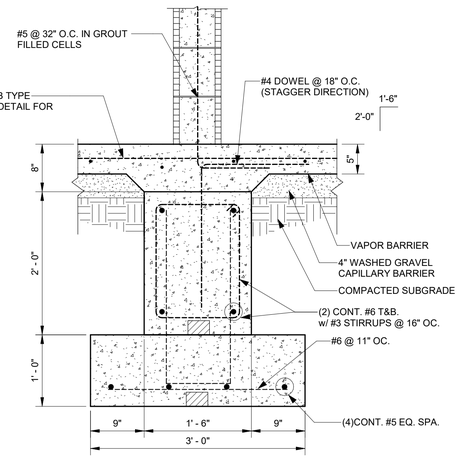
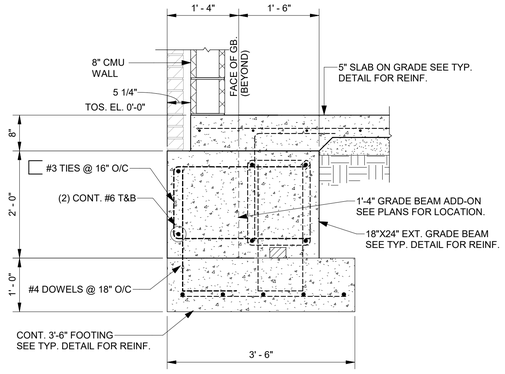


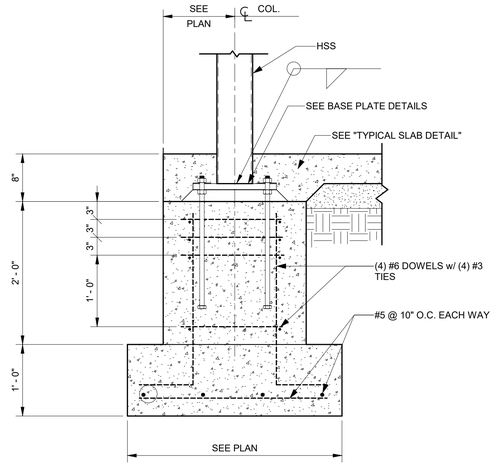
EXTERIOR GRADE BEAM / FOOTING DETAIL



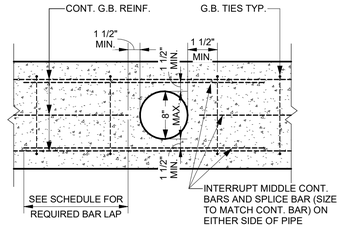
INTERIOR GRADE BEAM / FOOTING DETAIL



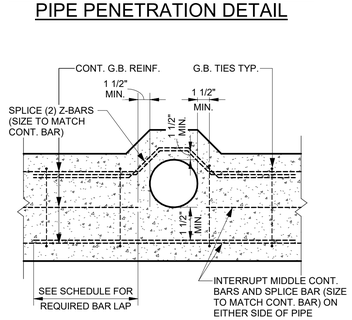
GRADE BEAM ADD-ON DETAIL



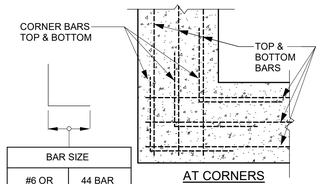
TYPICAL EXTERIOR TUBE COLUMN FOOTING DETAIL



TYPICAL GRADE BEAM VERTICAL PIPE PENETRATION DETAIL

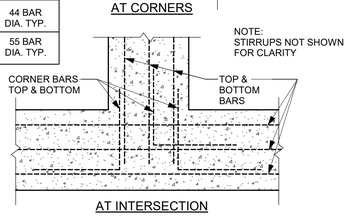


TYPICAL GRADE BEAM VERTICAL PIPE PENETRATION (Z-BAR) DETAIL



AT CORNERS

BAR SIZE	
#6 OR LESS	44 BAR DIA. TYP.
#7 OR GREATER	55 BAR DIA. TYP.

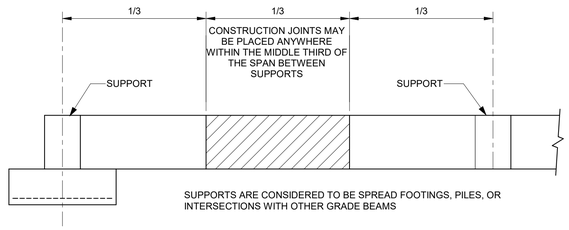


AT INTERSECTION

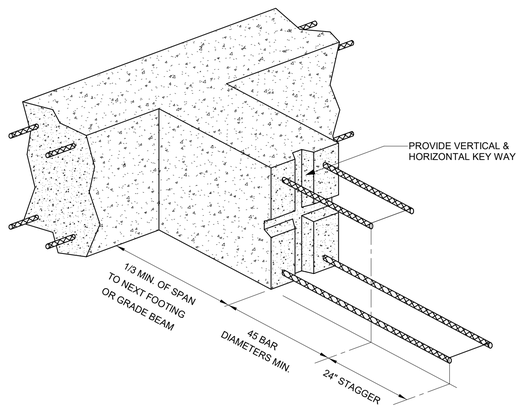
NOTE: STIRRUPS NOT SHOWN FOR CLARITY

NOTE: CORNER BAR SIZE TO MATCH SMALLER BAR SIZE OF BEAM REINFORCING

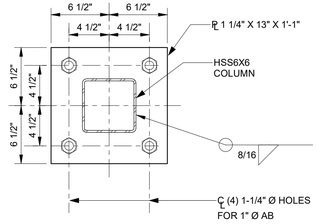
TYPICAL BEAM REINFORCING DETAIL



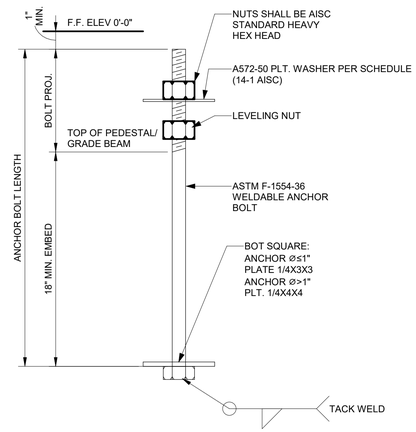
ELEVATION



TYPICAL GRADE BEAM CONSTRUCTION JOINT DETAIL

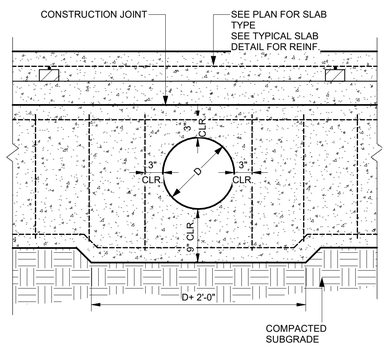


HSS6X6 BASE PLATE - STANDARD

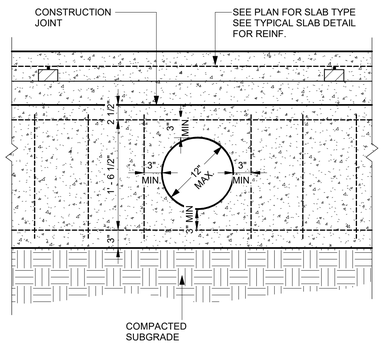


ANCHOR BOLT

ALL WASHERS UNO. SHALL BE PLAIN HARDENED STEEL FABRICATED IN ACCORDANCE WITH ASTM F436-04 STANDARD SPECIFICATION FOR HARDENED STEEL WASHERS.



GREATER THAN 12" PIPE



12" OR SMALLER PIPE

TYPICAL GRADE BEAM HORIZONTAL PIPE PENETRATION DETAIL

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
ggbarchitects.com
Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
Chris Bankston, AIA, NCARB, LEED AP
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REVISIONS

SHEET # S600

FOUNDATION DETAILS

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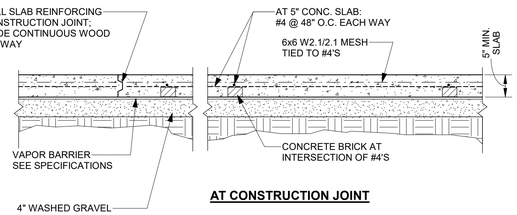
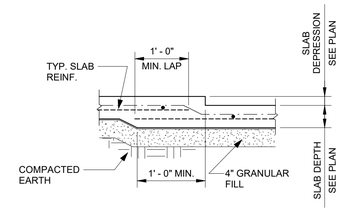
CONTROL JOINT NOTES:

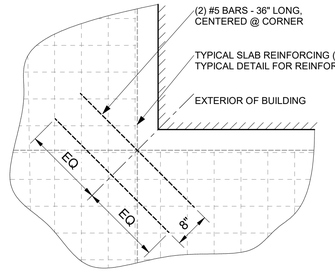
1. CONTROL JOINTS SHALL BE SPACED @ 13'-0" ON CENTER MAX EACH WAY.
2. CONTROL JOINTS CAN BE SAWED JOINTS OR CONSTRUCTION JOINTS.
3. CONTROL JOINTS SHALL BE AT LEAST 5'-0" FROM GRADE BEAM CENTERLINES.
4. CONTROL JOINT LOCATIONS SHALL BE COORDINATED WITH FLOOR FINISHES.
5. CONTRACTOR SHALL SUBMIT A CONTROL JOINT PLAN TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF ANY FLOOR SLABS.



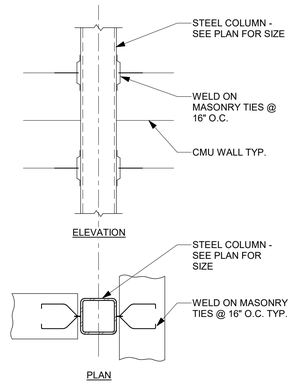
TYPICAL 5" SLAB ON GRADE DETAIL



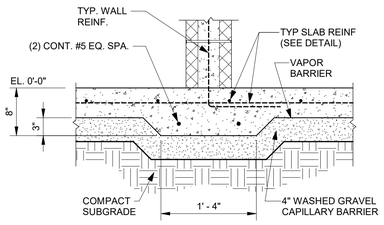
TYPICAL DETAIL AT SLAB DEPRESSION



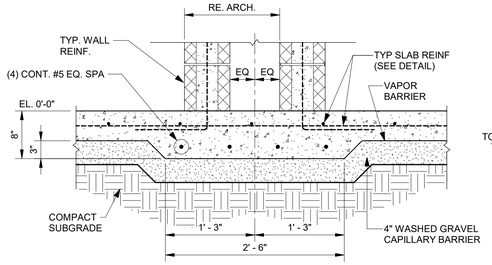
TYPICAL SLAB DETAIL - INSIDE CORNER REINFORCING



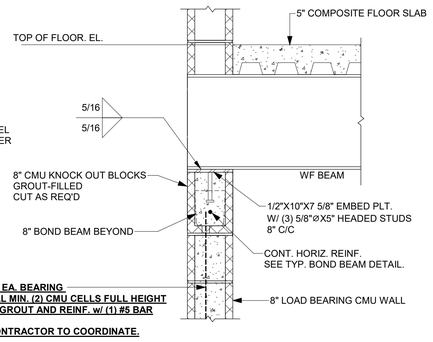
TYPICAL CMU WALL TO STEEL COLUMN CONNECTION DETAIL



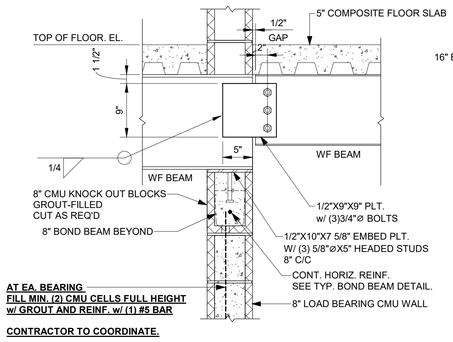
FOUNDATION SUPPORT @ 8" CMU PARTITION DETAIL



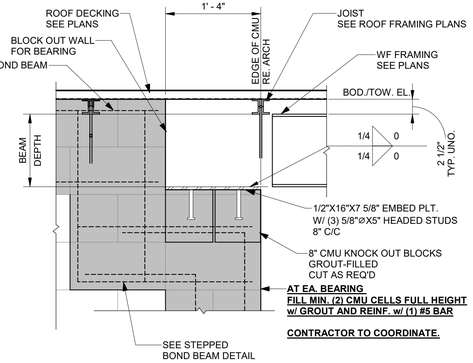
FOUNDATION SUPPORT @ DOUBLE 8" CMU PARTITION DETAIL



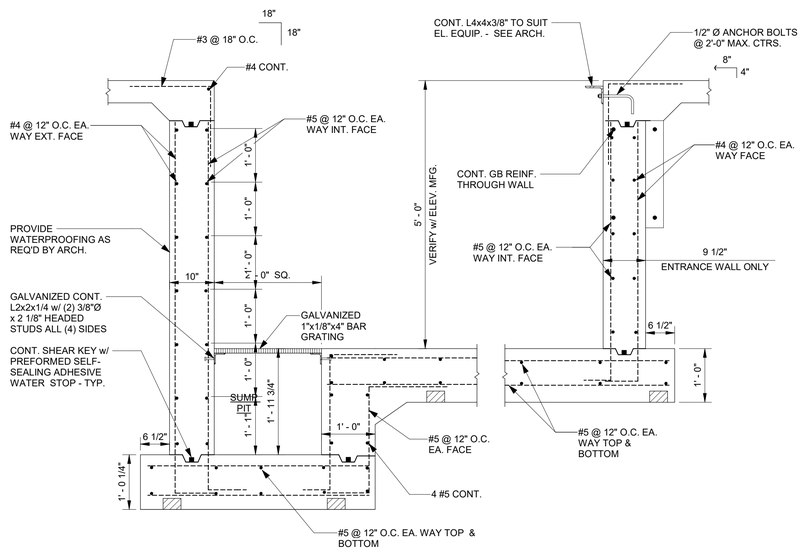
WF BEAM BEARING DETAIL @ EXT. WALL



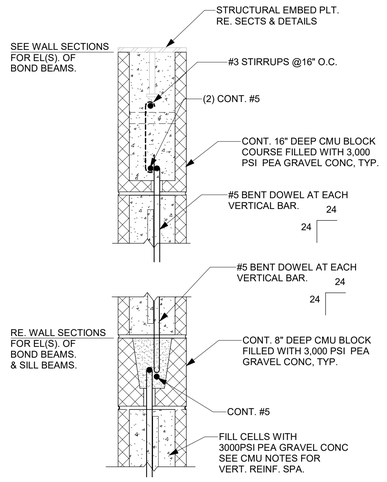
WF BEAM BEARING DETAIL @ INT. WALL



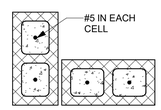
WF BEAM BEARING DETAIL @ END WALL



TYPICAL ELEVATOR PIT DETAIL

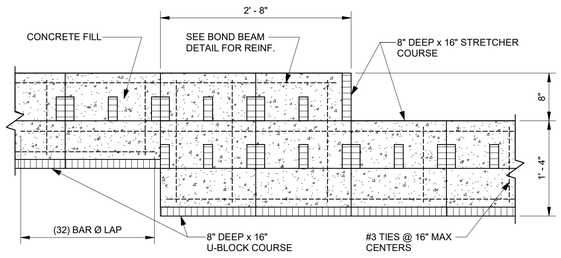


8" CMU BOND BEAM DETAILS

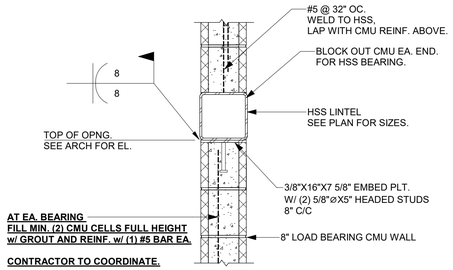


TYPICAL WALL INTERSECTIONS

SEE FOUNDATION PLAN FOR LOCATIONS



16" DEEP BOND BEAM STEP DETAIL



HSS LINTEL DETAIL

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10/19/26

PROFESSIONAL OF RECORD

REVISIONS

FOUNDATION, SLAB & CMU DETAILS

SHEET # S601

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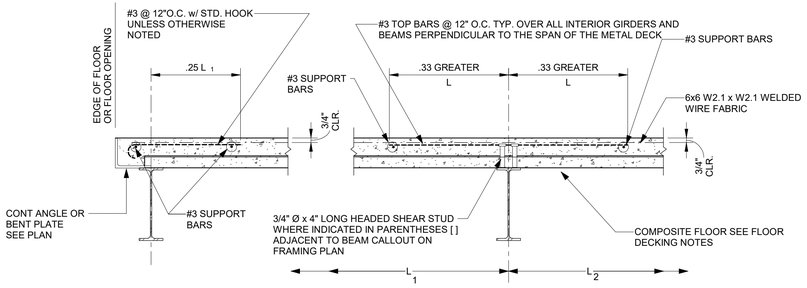
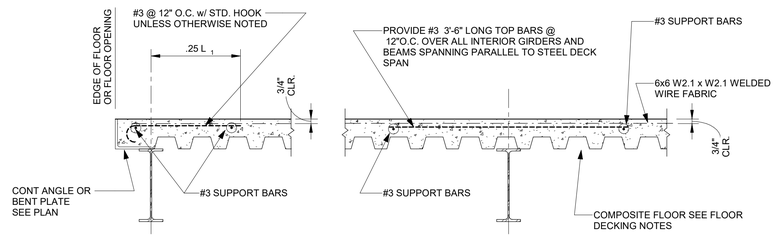
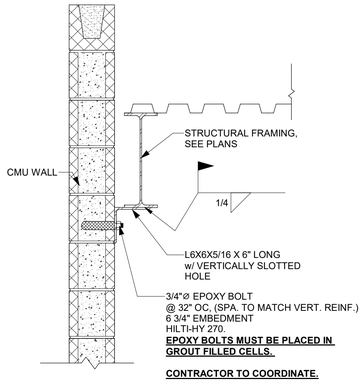


FLOOR DECKING PERPENDICULAR TO FLOOR FRAMING

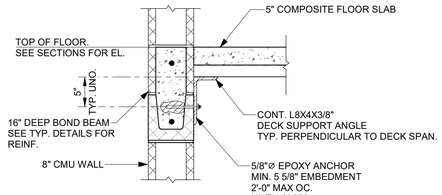


FLOOR DECK PARALLEL TO FLOOR BEAMS

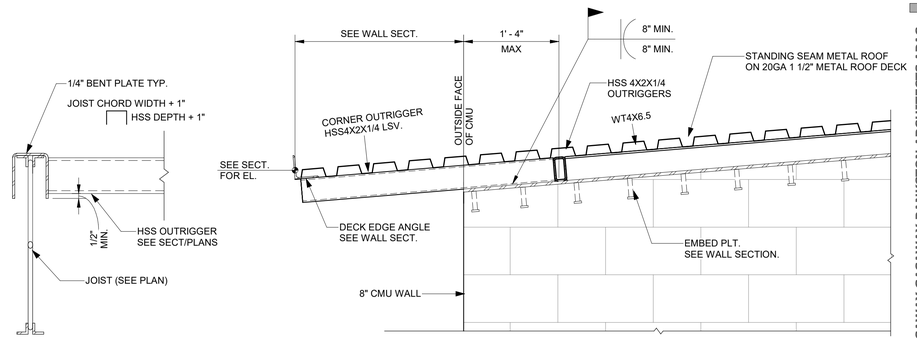
TYPICAL COMPOSITE FLOOR SLAB REINFORCING DETAIL



CMU WALL BRACING @ STEEL FRAME

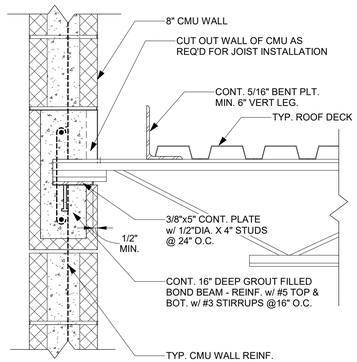


DECK SUPPORT ANGLE DETAIL

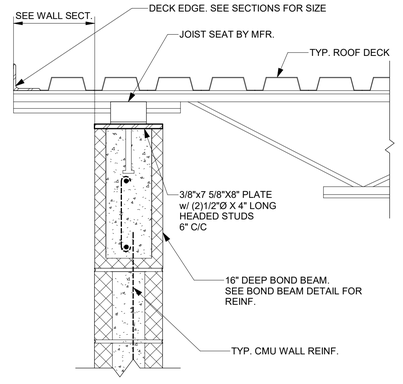


TYPICAL TUBE OUTRIGGER TO JOIST DETAIL

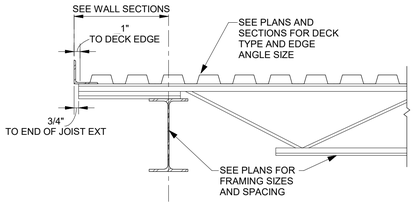
TYPICAL CORNER OUTRIGGER DETAIL



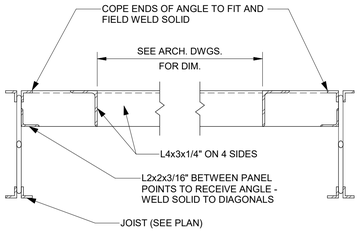
JOIST SUPPORT AT 8" CMU WALL



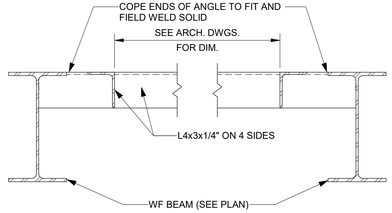
JOIST SUPPORT AT TOP OF WALL



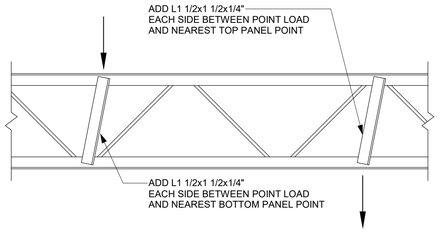
JOIST DECK EDGE/EXTENSION DETAIL



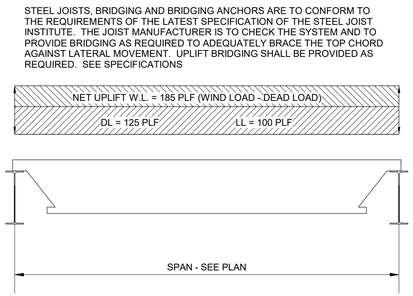
TYPICAL ROOF OPENING



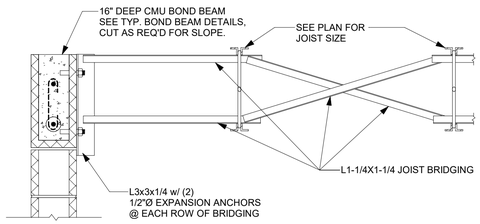
TYPICAL FLOOR SLAB OPENING



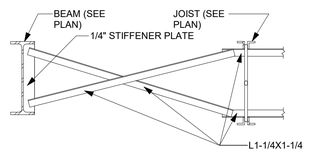
TYPICAL JOIST LOAD DETAIL



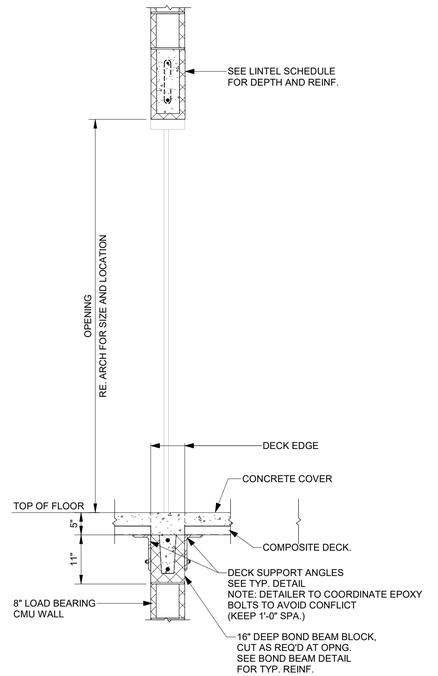
TYPICAL OPEN WEB STEEL JOIST



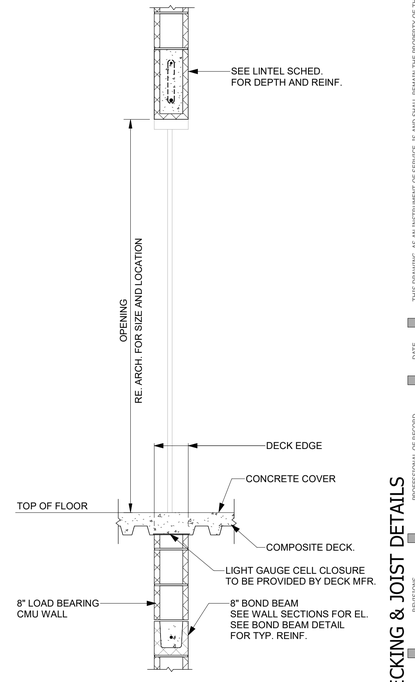
JOIST BRIDGING DETAIL @ CMU



JOIST BRIDGING DETAIL @ STEEL BEAM



OPENING PERPENDICULAR TO DECK SPAN



OPENING PARRALEL TO DECK SPAN

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

CMU, DECKING & JOIST DETAILS

DATE 10/19/26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
JAMES R. LeBOUEF
License No. 39038
PROFESSIONAL ENGINEER IN
CIVIL ENGINEERING
10/19/26

REVISIONS

SHEET # S602

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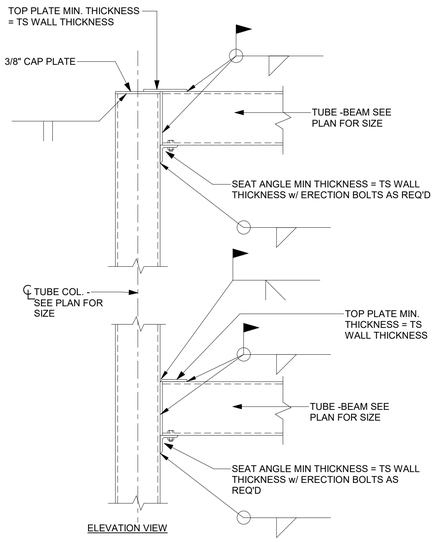
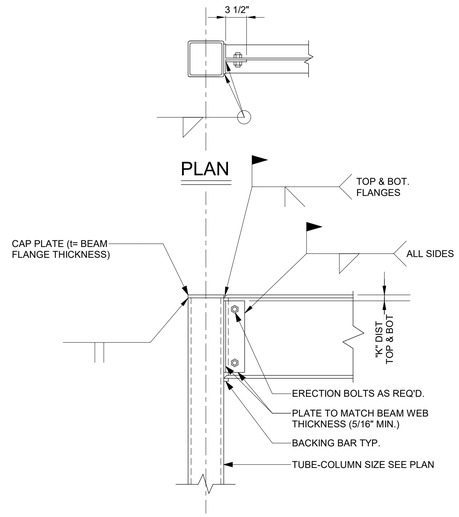
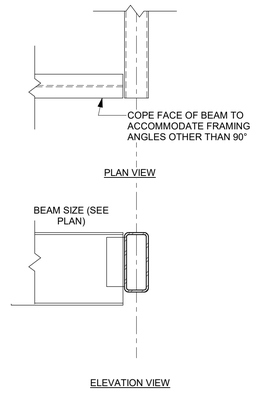


NOTE:
PROVIDE SHOP ATTACHED BACKER BARS
AT INTERIOR OF TUBE BEAM SIDE WALLS
AS REQUIRED TO MAKE FIELD WELDS

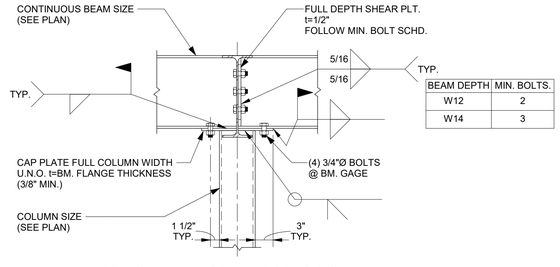
TYPICAL FIXED HSS BEAM TO HSS COLUMN CONNECTION



TYPICAL DETAIL AT FIXED WF-BEAM TO TUBE COLUMN CONNECTION



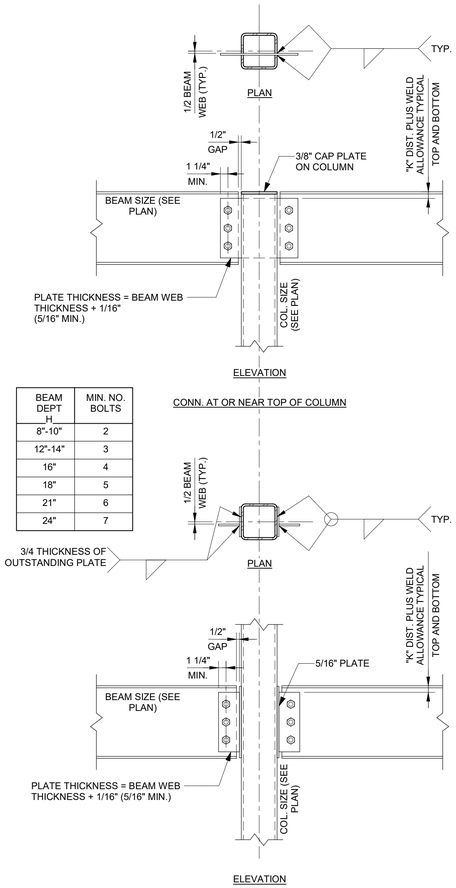
TYPICAL TUBE BEAM TO WF BEAM CONNECTION



BEAM DEPTH	MIN. BOLTS.
W12	2
W14	3

NOTE: OMIT STIFFENER PLATES AS REQUIRED TO MAKE CONNECTIONS TO CONTINUOUS BEAM

TYPICAL FIXED BEAM OVER TUBE COLUMN CONNECTION DETAIL

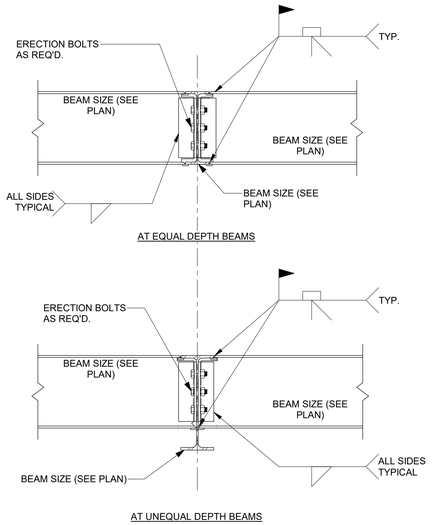


BEAM DEPTH	MIN. NO. BOLTS
8"-10"	2
12"-14"	3
16"	4
18"	5
21"	6
24"	7

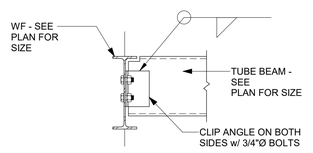
CONN. AT OR NEAR TOP OF COLUMN

CONN. AT INTERMEDIATE FRAMING LEVEL

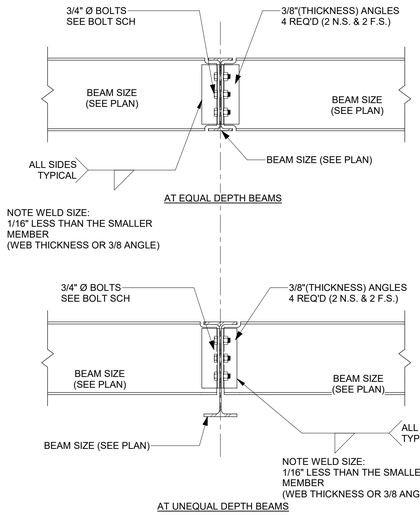
TYPICAL BEAM TO TUBE COLUMN CONNECTION



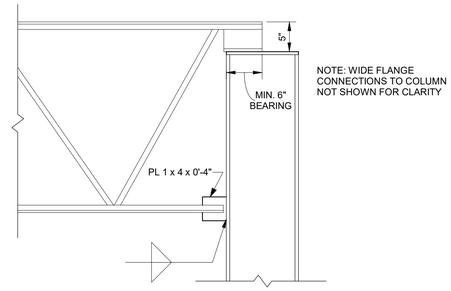
TYPICAL FIXED BEAM TO BEAM CONNECTION



TYPICAL FIXED HSS BEAM TO WF BEAM CONNECTION



TYPICAL WF BEAM TO WF BEAM SHEAR CONNECTION



LH JOIST MOMENT CONNECTION

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10/19/26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
JAMES R. LaBOUEF
License No. 39038
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
10/19/26

REVISIONS

FRAMING DETAILS

SHEET # S603

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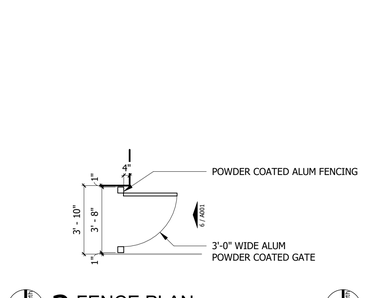
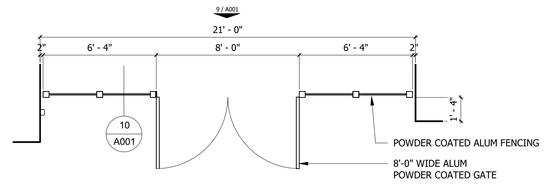
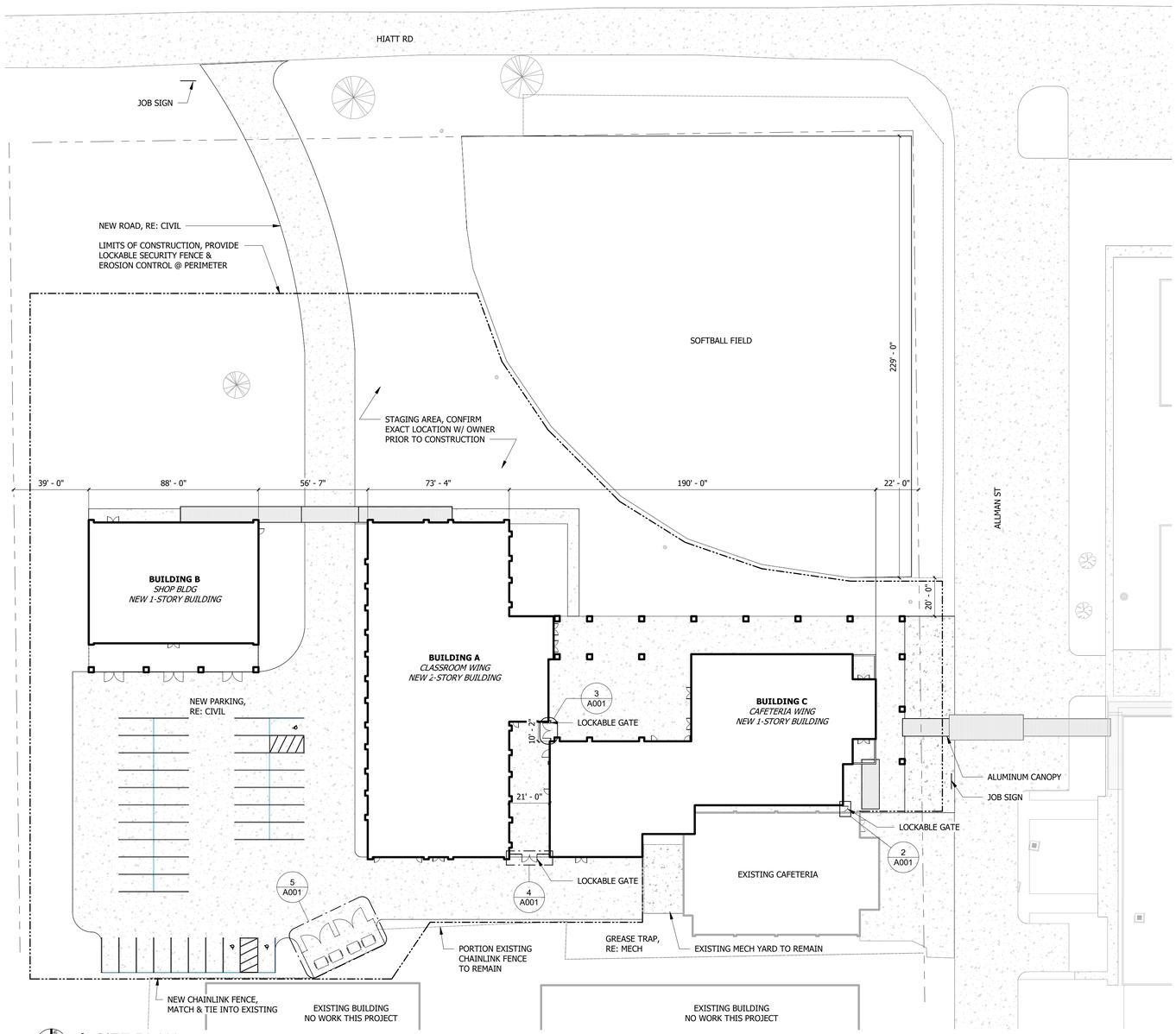


2 FENCE PLAN
1/4" = 1'-0"

3 FENCE PLAN
1/4" = 1'-0"



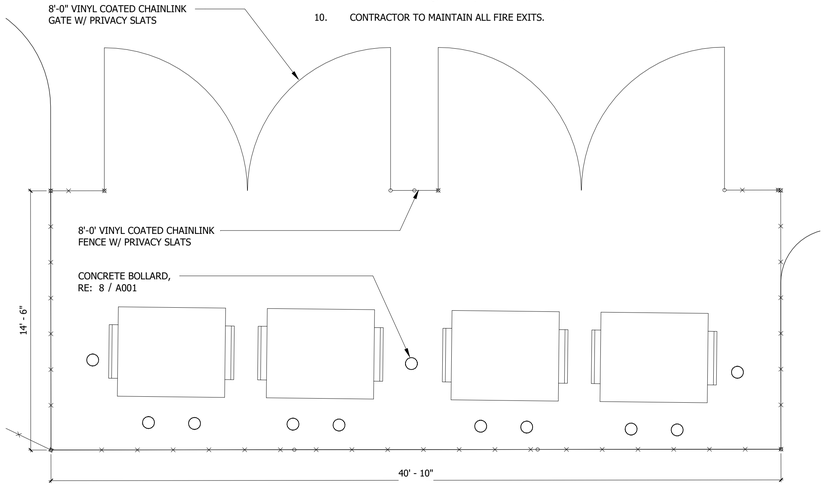
4 FENCE PLAN
1/4" = 1'-0"



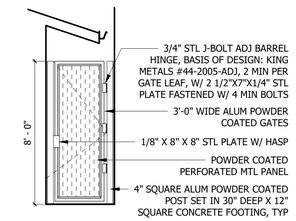
1 SITE PLAN
1/32" = 1'-0"

GENERAL SITE NOTES

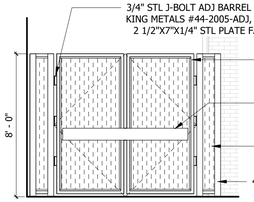
1. ARCHITECTURAL SITE PLAN PROVIDED FOR REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR ALL OTHER INFORMATION INCLUDING BUT NOT LIMITED TO DIMENSIONS, GEOMETRIC, GRADES, DEMOLITION, SUBSURFACE DRAINAGE SYSTEM, ETC.
2. KEEP SURROUNDING ROADS & PROPERTIES FREE OF MUD DUE TO CONSTRUCTION TRAFFIC & REPAIR ANY DAMAGE AS PART OF THIS CONTRACT. REFER TO CIVIL DRAWINGS FOR MORE INFORMATION.
3. SOD ALL AREAS DISTURBED BY CONSTRUCTION, REFER TO CIVIL DRAWINGS FOR MORE INFORMATION.
4. PROTECT ALL EXISTING TRESS TO REMAIN IN AREAS OF WORK FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
5. REMOVAL OF MINOR PLANTING NOT INDICATED, CONTRACTOR TO REMOVE PLANTS & VEGETATION AS REQUIRED FOR JOB COMPLETION.
6. UNLESS CLEARLY IDENTIFIED IN THE DRAWINGS, NOTIFY ARCHITECT PRIOR TO MODIFICATION OF THE EXISTING STRUCTURE.
7. MAINTAIN CONSTRUCTION FENCING & SAFE TRAVEL ROUTES FOR ALL PERSONNEL AT ALL TIMES.
8. PROVIDE TEMPORARY LOCKABLE FENCING AROUND ALL CONSTRUCTION & STAGING AREAS.
9. CONSTRUCTION EQUIPMENT, MATERIALS, & PERSONNEL ARE NOT TO INTERFERE W/ FIRE STATION PROCEDURES.
10. CONTRACTOR TO MAINTAIN ALL FIRE EXITS.



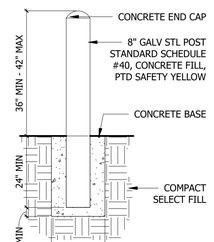
5 DUMPSTER PLAN
1/4" = 1'-0"



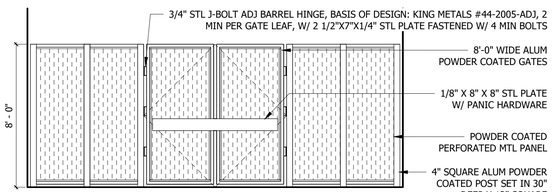
6 FENCE ELEVATION
1/4" = 1'-0"



7 FENCE ELEVATION
1/4" = 1'-0"

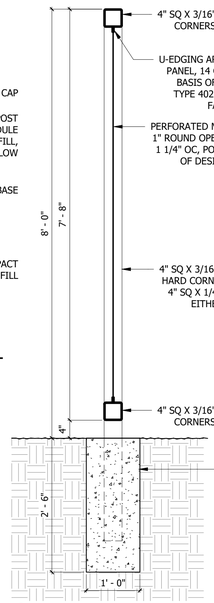


8 BOLLARD DETAIL
1/2" = 1'-0"



9 FENCE ELEVATION
1/4" = 1'-0"

METALLIC POWDER COAT ALL MATERIALS TO MATCH CURTAIN WALL
WELD 2" STITCH WELD @ 12" OC MAX AROUND BOTH SIDES OF FRAMING
NO FIELD WELDING PERMITTED



10 FENCE SECTION
3/4" = 1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

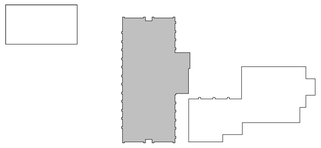
DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

SHEET # A001

SITE PLAN



KEY PLAN

WALL TYPE LEGEND

EXTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, 8" CMU, FILL W/ INSULATION, PTD

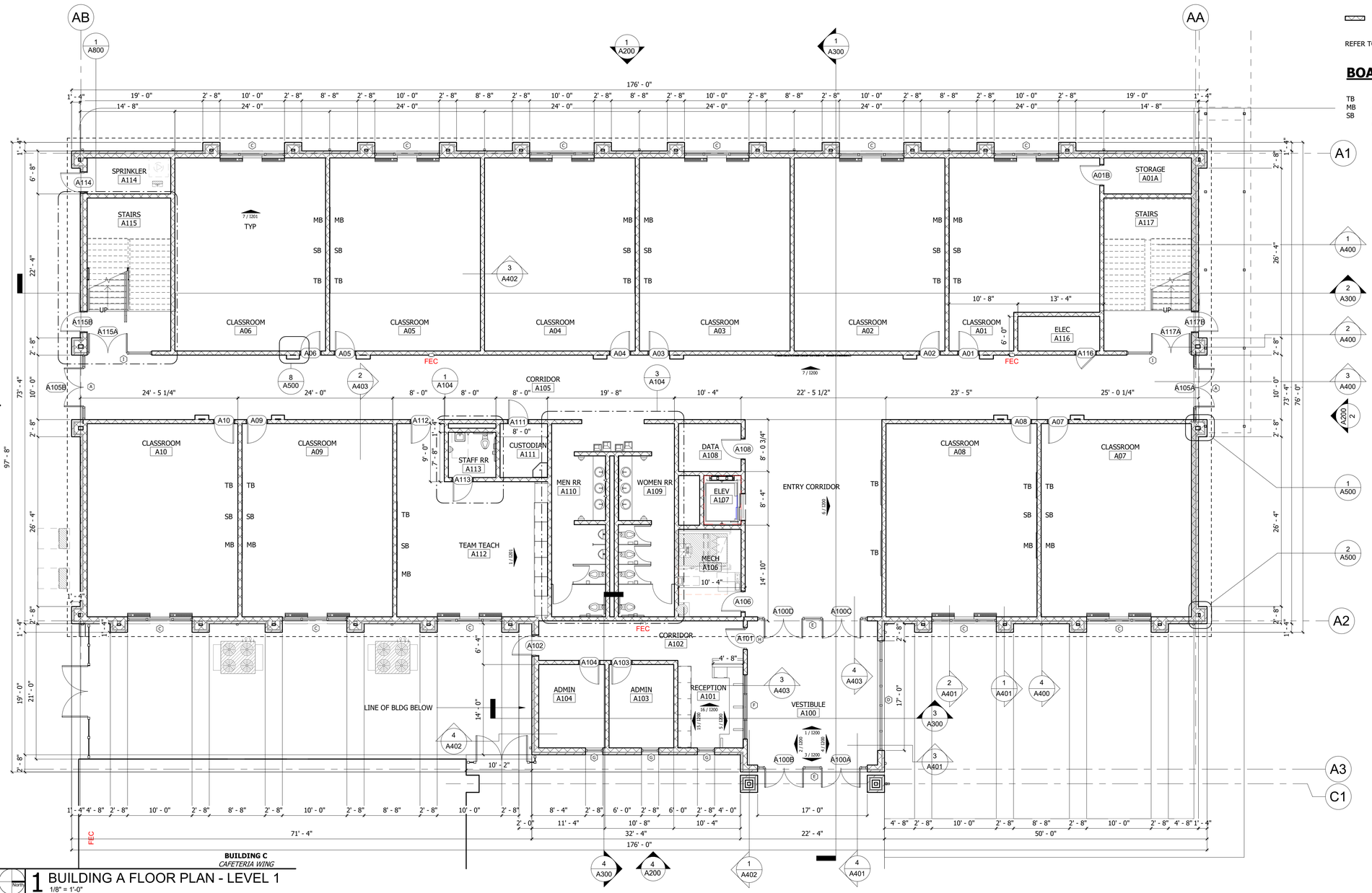
EXTERIOR/INTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, FLUID APPLIED AIR/WATER BARRIER (@ EXTERIOR WALL ONLY), 3 5/8" MTL STUD

INTERIOR WALL - 8" CMU, FILL W/ INSULATION, PTD

REFER TO LS100 FOR FIRE RATING LOCATIONS & UL DESIGNATIONS

BOARD TYPE LEGEND:

TB	4'-0" W X 4'-0" H TACKBOARD
MB	8'-0" W X 4'-0" H MARKERBOARD
SB	SMARTBOARD PROVIDED BY OWNER, TO BE ROUGHED-IN & INSTALLED BY CONTRACTOR



1 BUILDING A FLOOR PLAN - LEVEL 1
1/8" = 1'-0"

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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REVISIONS

PROFESSIONAL OF RECORD

BUILDING A FLOOR PLAN - LEVEL 1

SHEET # A100

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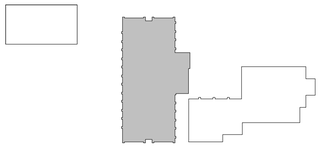

KEY PLAN

WALL TYPE LEGEND

EXTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, 8" CMU, FILL W/ INSULATION, PTD

EXTERIOR/INTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, FLUID APPLIED AIR/WATER BARRIER (@ EXTERIOR WALL ONLY), 3 5/8" MTL STUD

INTERIOR WALL - 8" CMU, FILL W/ INSULATION, PTD

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BOARD TYPE LEGEND:

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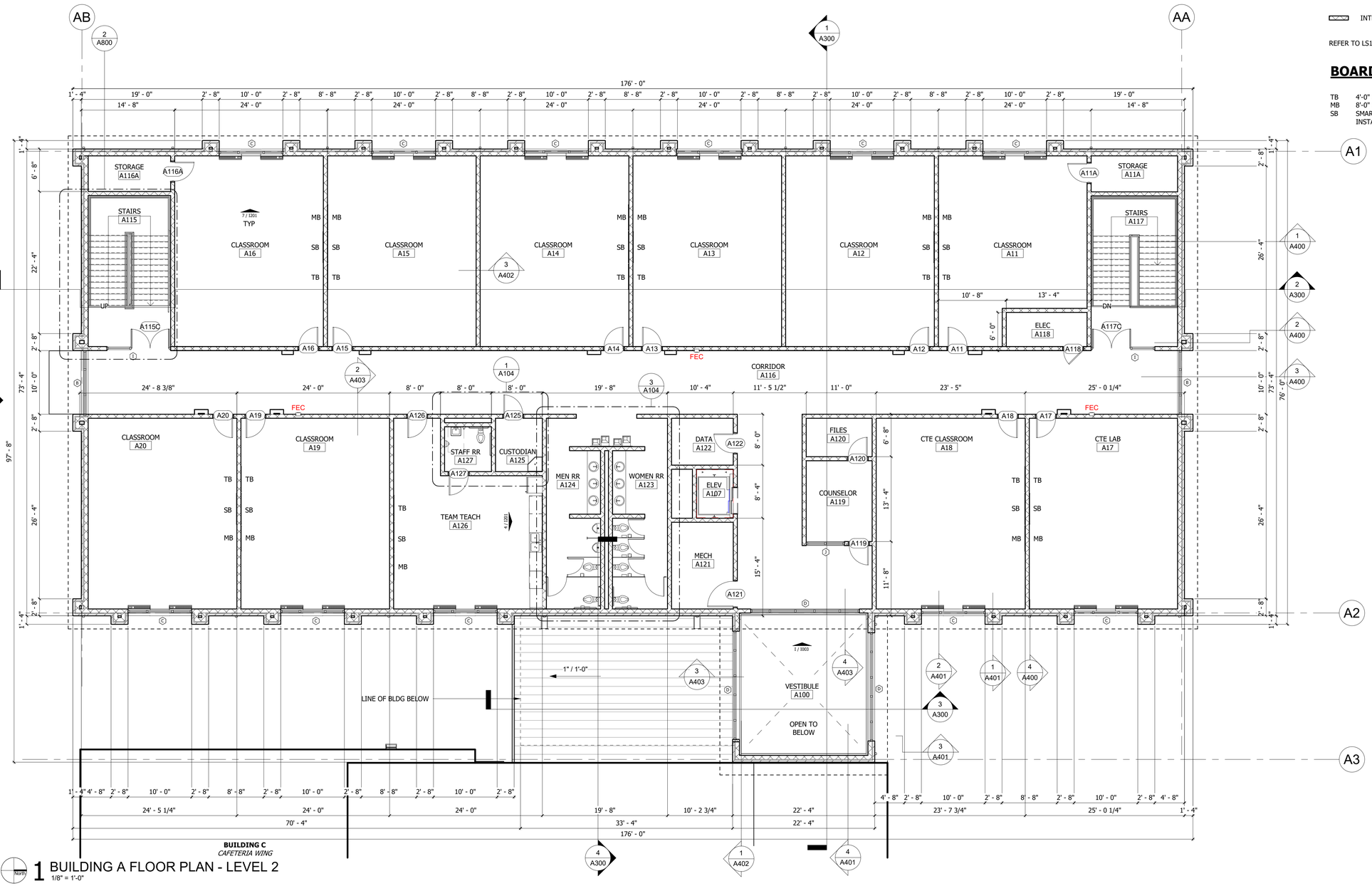

1 BUILDING A FLOOR PLAN - LEVEL 2
1/8" = 1'-0"

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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PROFESSIONAL OF RECORD

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REVISIONS

SHEET # A101

BUILDING A FLOOR PLAN - LEVEL 2

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt

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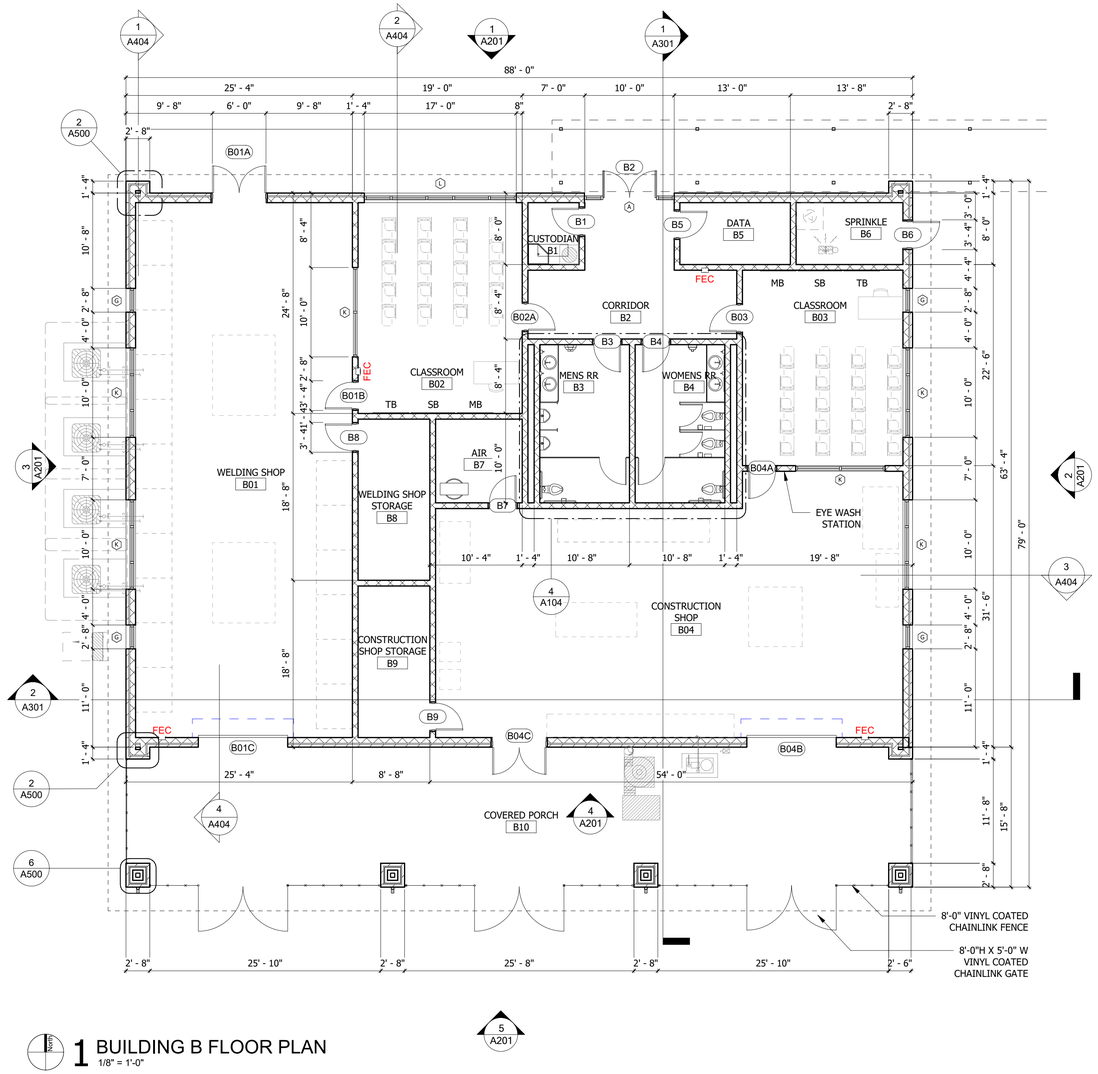
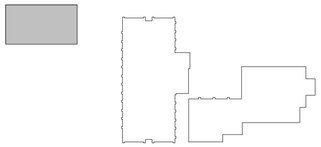


1 BUILDING B FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

WALL TYPE LEGEND

EXTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, 8" CMU, FILL W/ INSULATION, PTD

EXTERIOR/INTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, FLUID APPLIED AIR/WATER BARRIER (@ EXTERIOR WALL ONLY), 3 5/8" MTL STUD

INTERIOR WALL - 8" CMU, FILL W/ INSULATION, PTD

REFER TO LS100 FOR FIRE RATING LOCATIONS & UL DESIGNATIONS

BOARD TYPE LEGEND:

TB	4'-0" W X 4'-0" H TACKBOARD
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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

CHRISTOPHER E. BANKSTON
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

BUILDING B FLOOR PLAN

SHEET # A102

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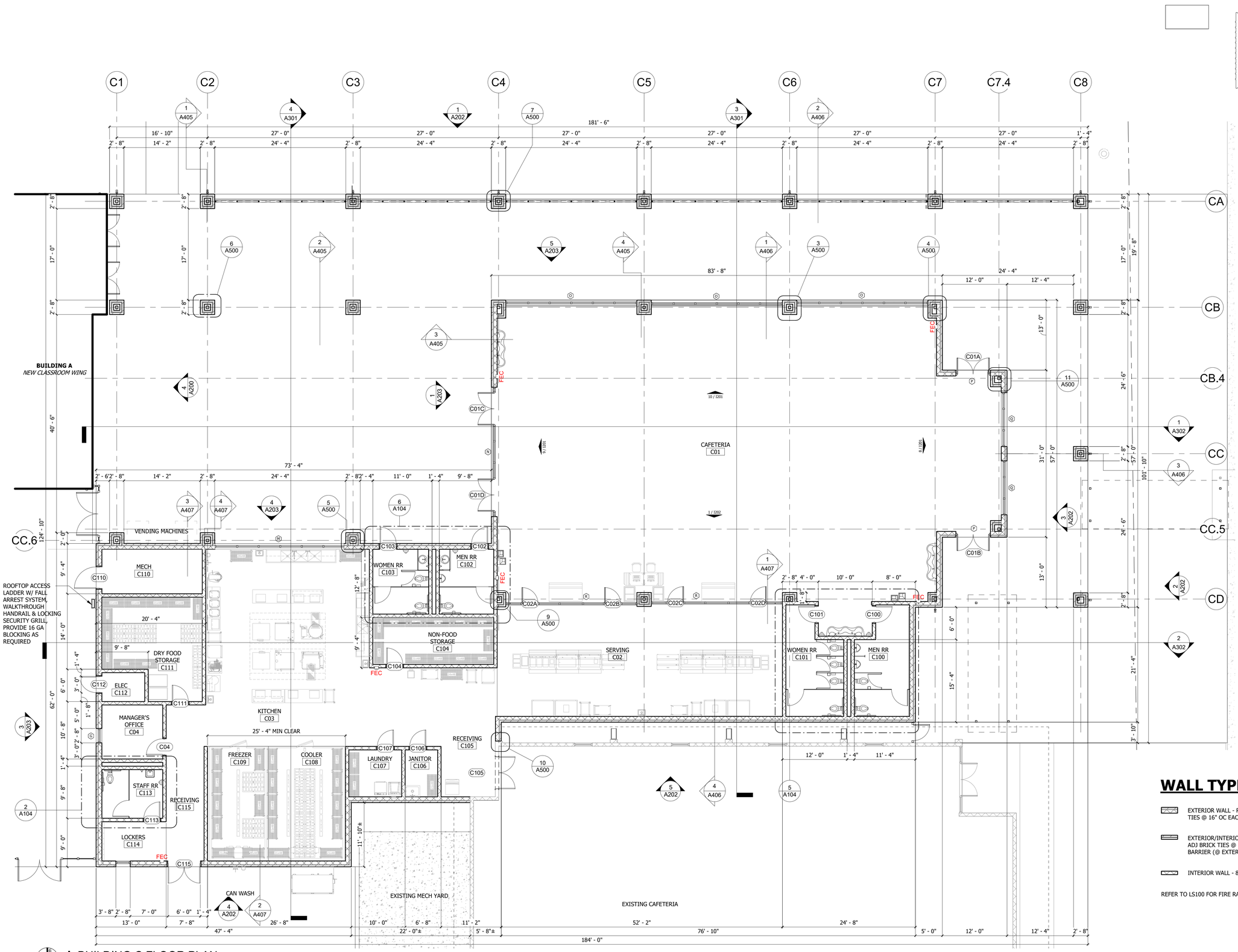

1 BUILDING C FLOOR PLAN
1/8" = 1'-0"

WALL TYPE LEGEND

- EXTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, 8" CMU, FILL W/ INSULATION, PTD
- EXTERIOR/INTERIOR WALL - RUNNING BOND BRICK VENEER W/ ADJ BRICK TIES @ 16" OC EACH WAY, FLUID APPLIED AIR/WATER BARRIER (@ EXTERIOR WALL ONLY), 3 5/8" MTL STUD
- INTERIOR WALL - 8" CMU, FILL W/ INSULATION, PTD

REFER TO LS100 FOR FIRE RATING LOCATIONS & UL DESIGNATIONS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER PAUL BANKSTON NO. 36911 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

BUILDING C FLOOR PLAN

SHEET # A103

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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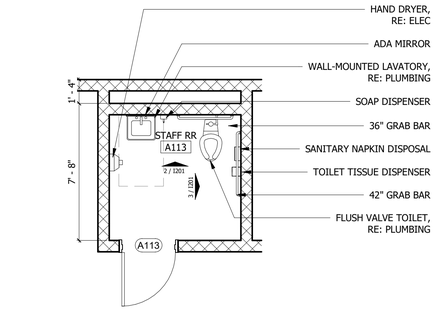
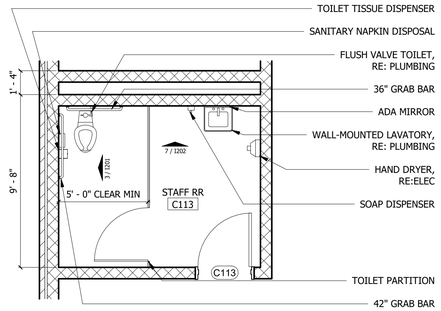
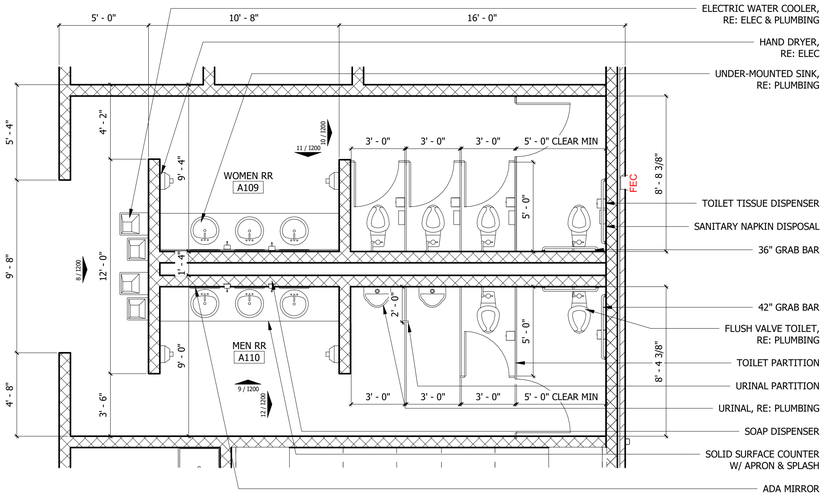


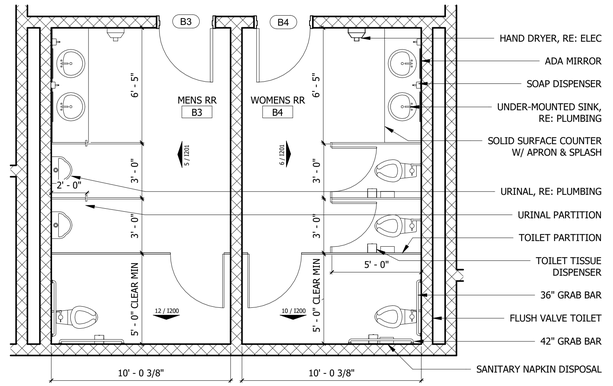
1 ENLARGED FLOOR PLAN - RM A113
1/4" = 1'-0"



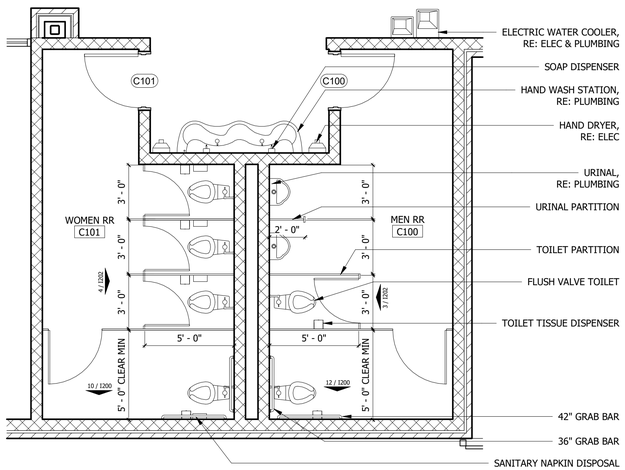
2 ENLARGED FLOOR PLAN - RM C113
1/4" = 1'-0"



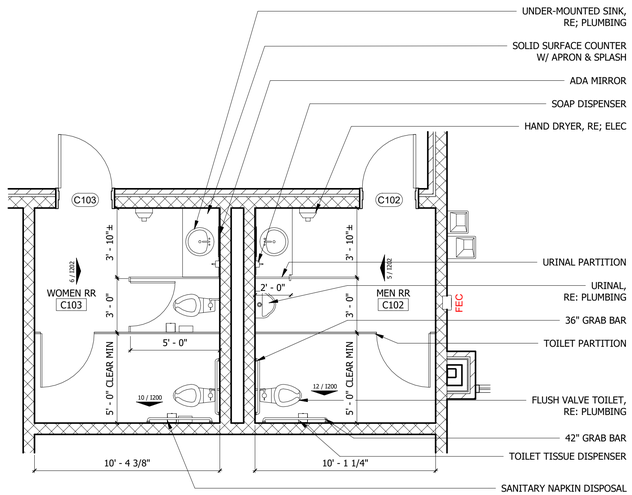
3 ENLARGED FLOOR PLAN - RM A109 & A110
1/4" = 1'-0"



4 ENLARGED FLOOR PLAN - RM B3 & B4
1/4" = 1'-0"



5 ENLARGED FLOOR PLAN - RM C100 & C101
1/4" = 1'-0"



6 ENLARGED FLOOR PLAN - RM C102 & C103
1/4" = 1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

CHRISTOPHER P. [illegible]
NO. [illegible]
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

ENLARGED FLOOR PLANS

SHEET # A104

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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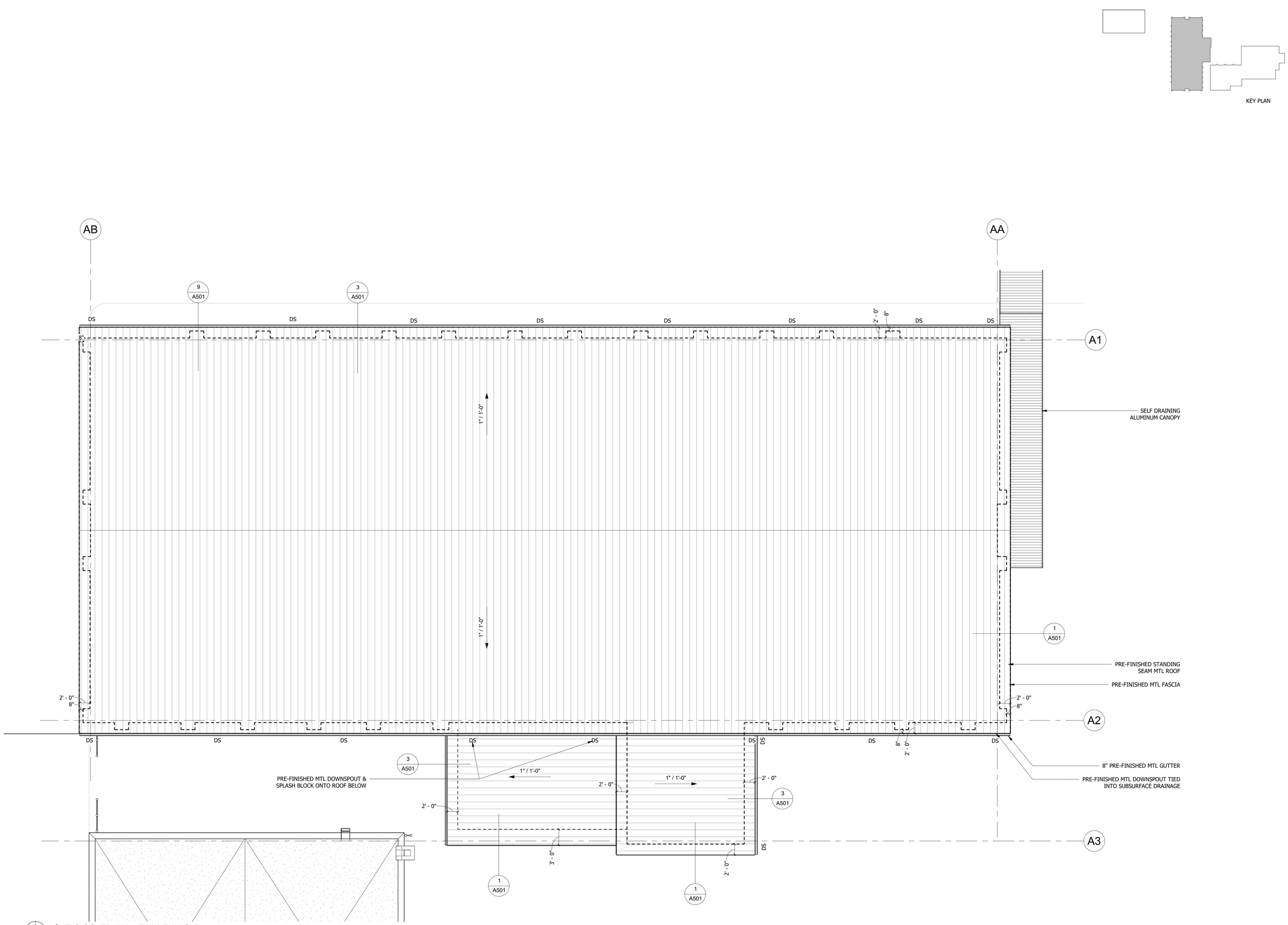

1 ROOF PLAN - BUILDING A
1/8" = 1'-0"

KEY PLAN

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

CHRISTOPHER P. BANKSTON
No. 33621
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

BUILDING A ROOF PLAN

SHEET # A105

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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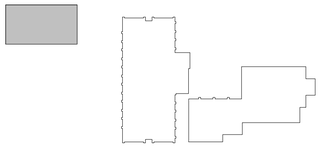
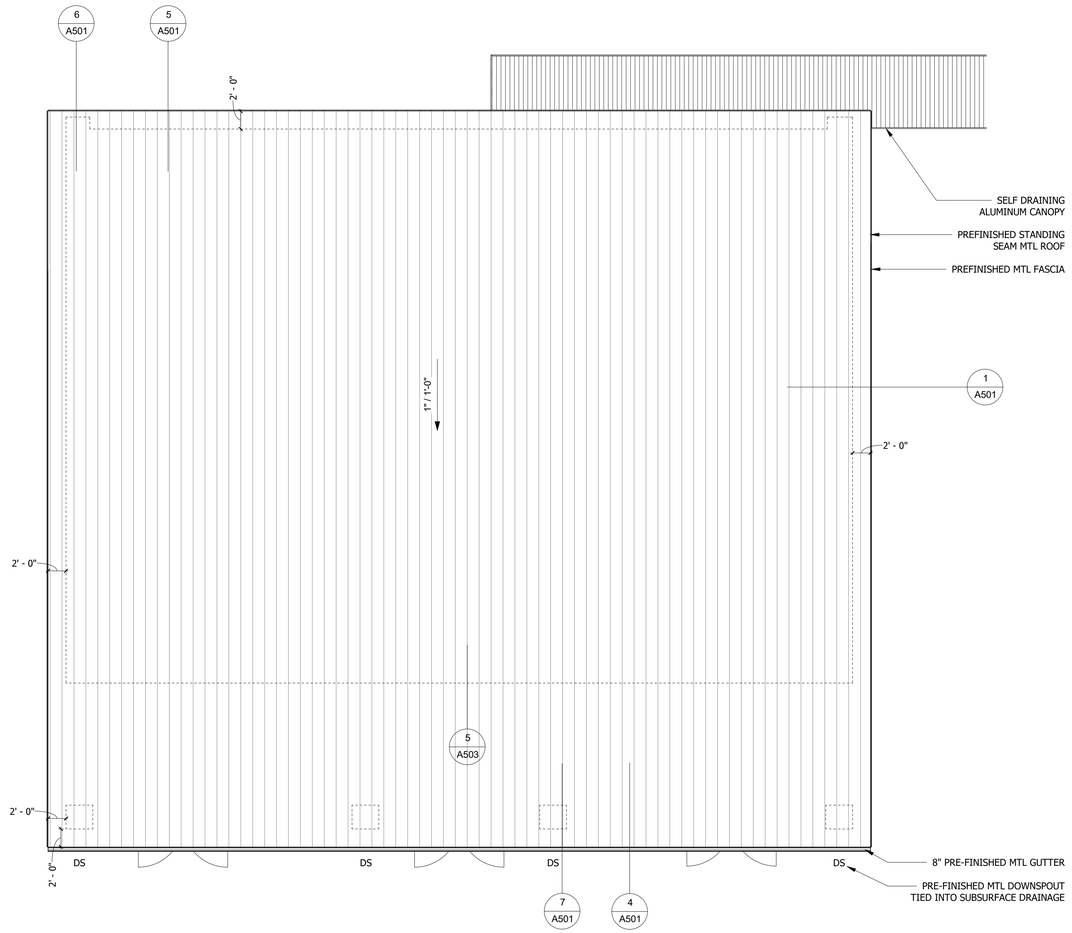


KEY PLAN



1 ROOF PLAN - BUILDING B
1/8" = 1'-0"

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt

10/15/2026 3:54:47 PM

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LORANGER HIGH SCHOOL
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TANGIPAHOA PARISH SCHOOL SYSTEM

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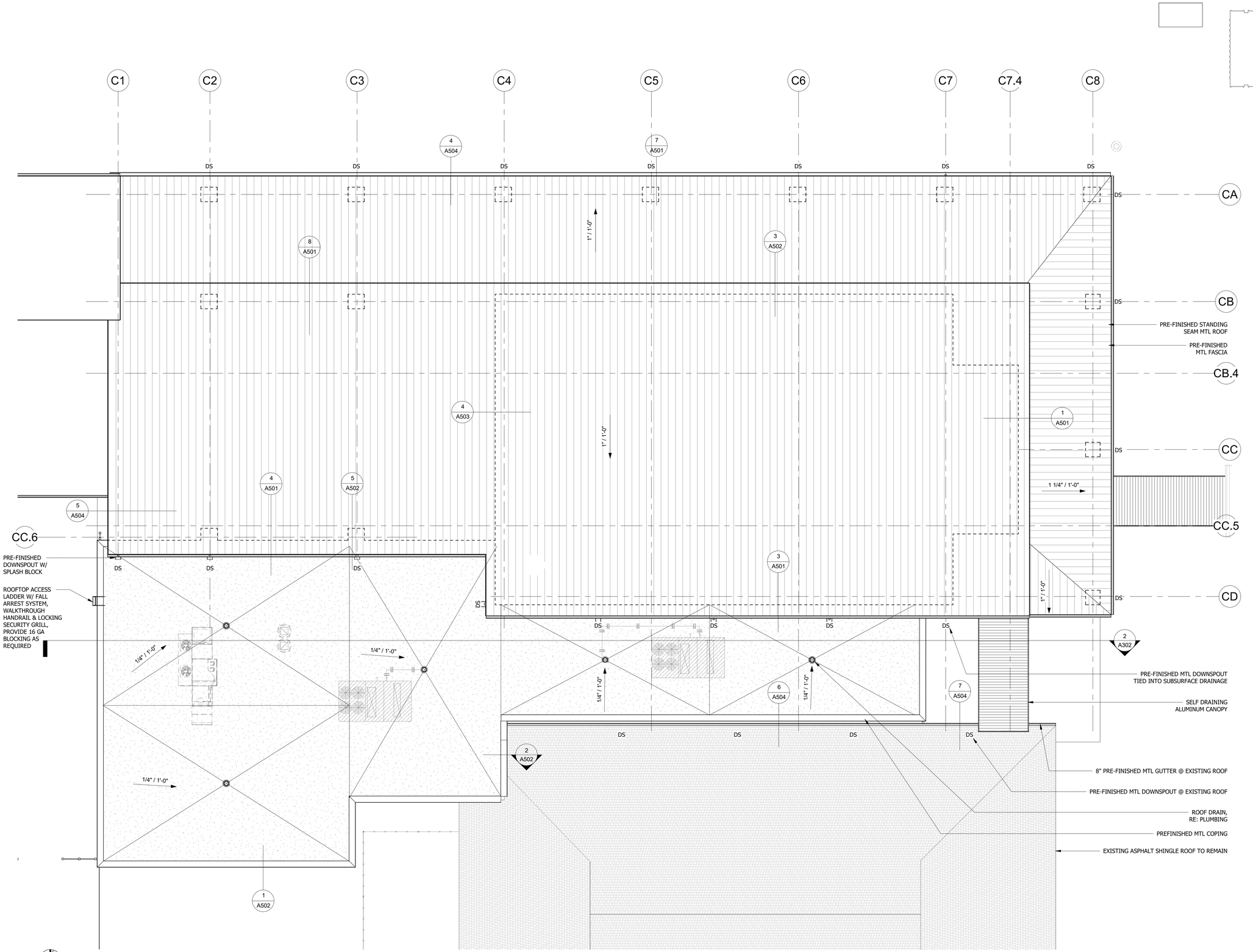
BUILDING B ROOF PLAN

SHEET # A106



1 ROOF PLAN - BUILDING C
1/8" = 1'-0"

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt

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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

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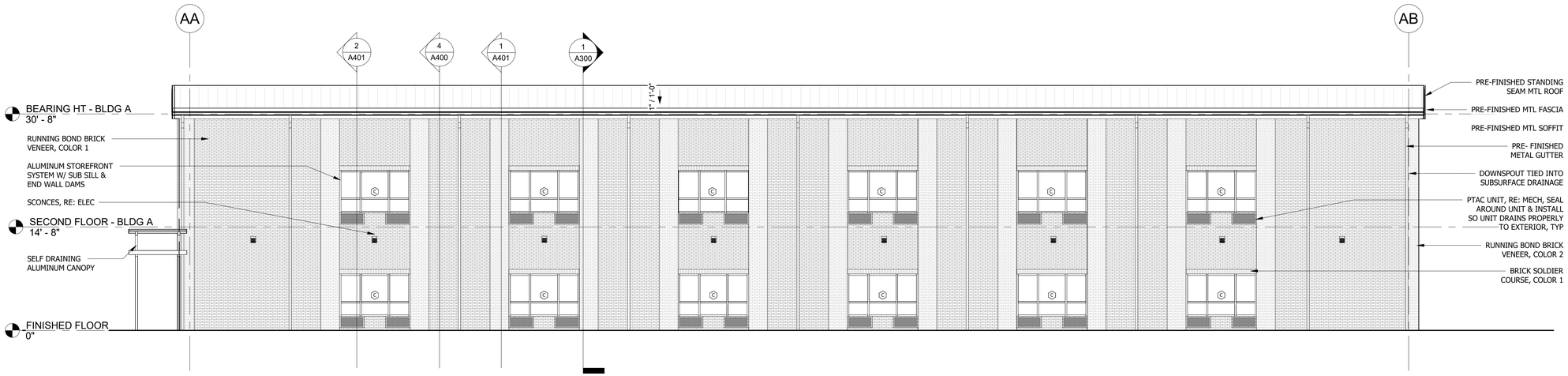
CHRISTOPHER P. GASAWAY
No. 35041
STATE OF LOUISIANA
REGISTERED ARCHITECT
ARCHITECT

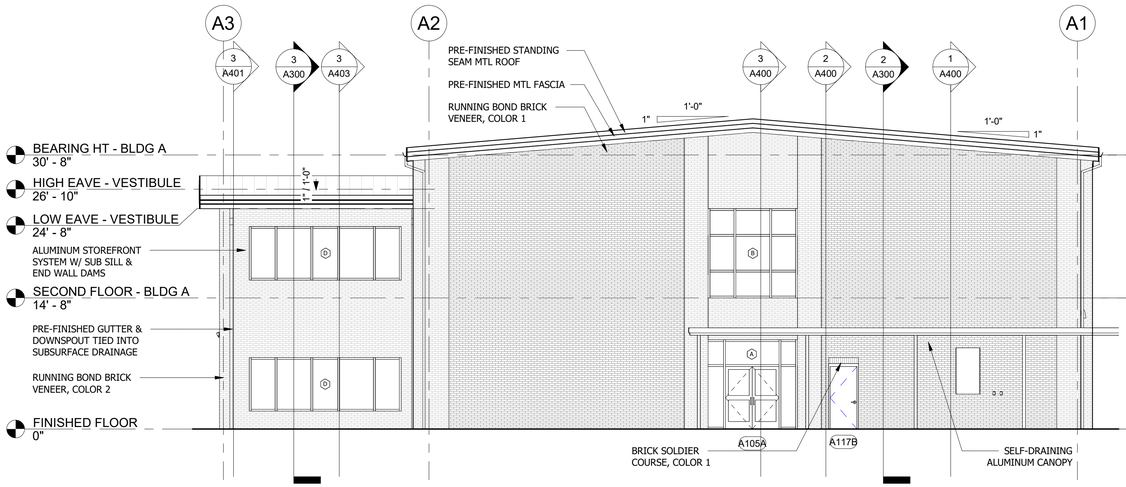
REVISIONS

BUILDING C ROOF PLAN

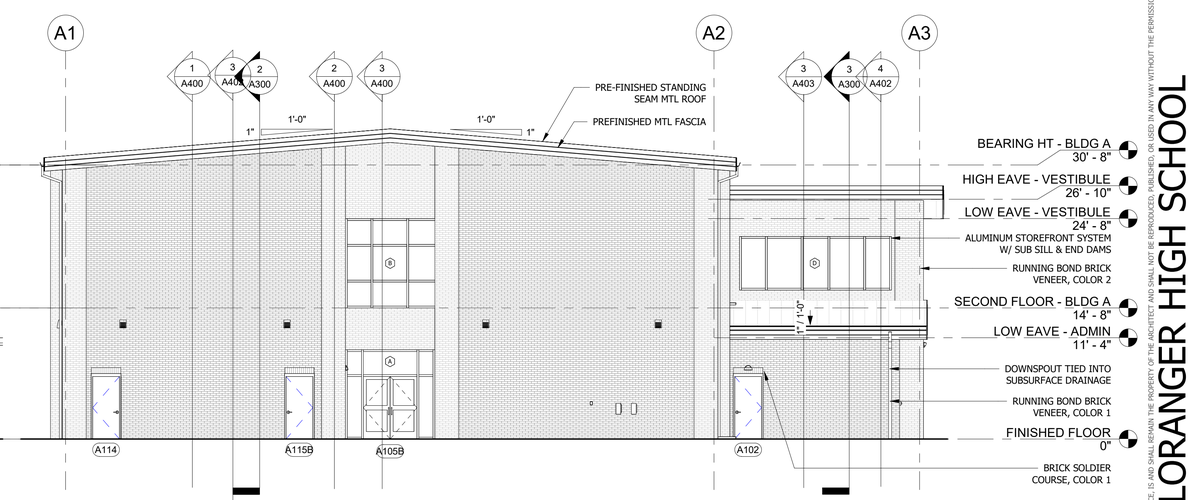
SHEET # A107



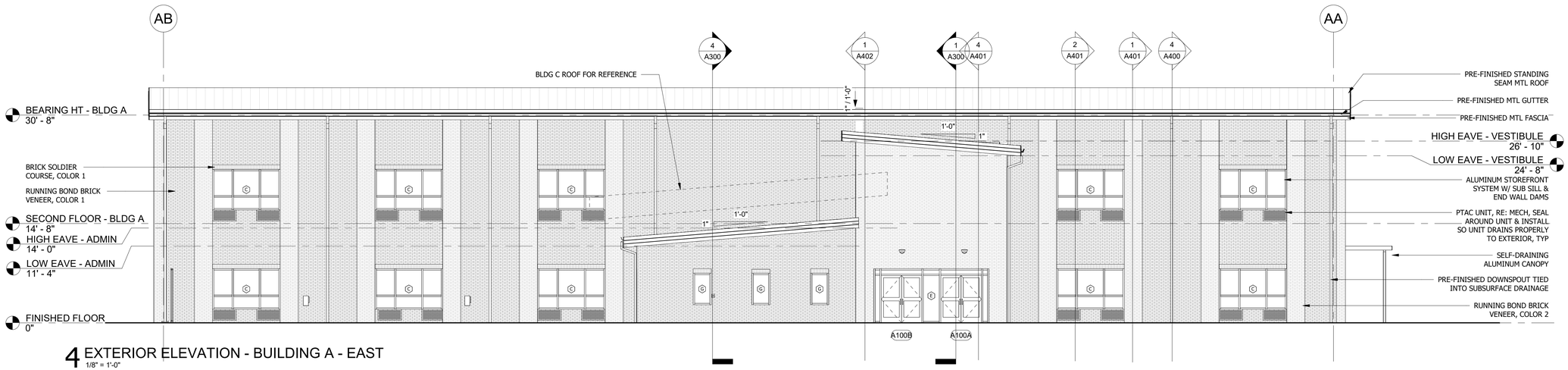
1 EXTERIOR ELEVATION - BUILDING A - WEST
1/8" = 1'-0"



2 EXTERIOR ELEVATION - BUILDING A - NORTH
1/8" = 1'-0"



3 EXTERIOR ELEVATION - BUILDING A - SOUTH
1/8" = 1'-0"



4 EXTERIOR ELEVATION - BUILDING A - EAST
1/8" = 1'-0"

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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PROFESSIONAL OF RECORD
CHRISTOPHER E. BANKSTON 31961 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

EXTERIOR ELEVATIONS

SHEET # A200

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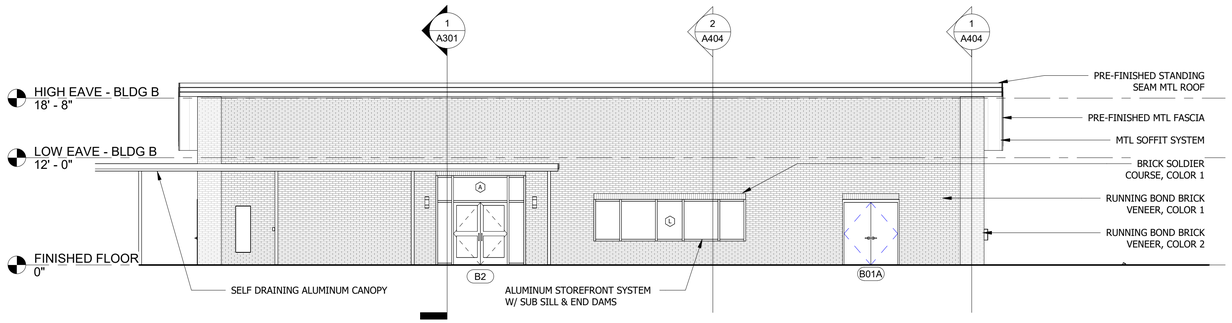
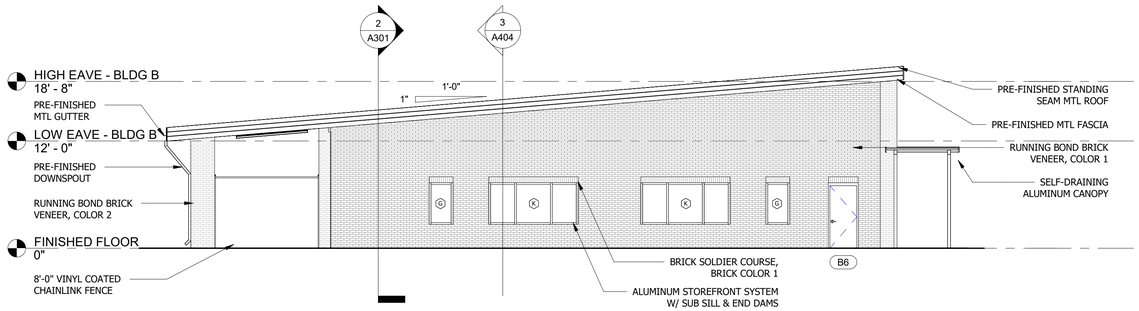
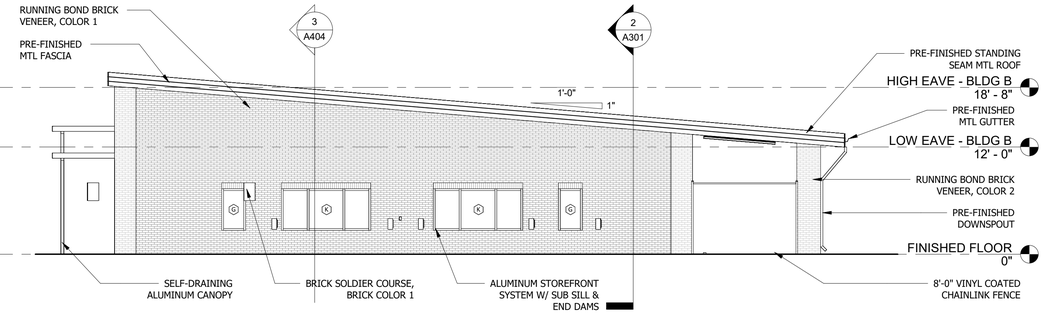


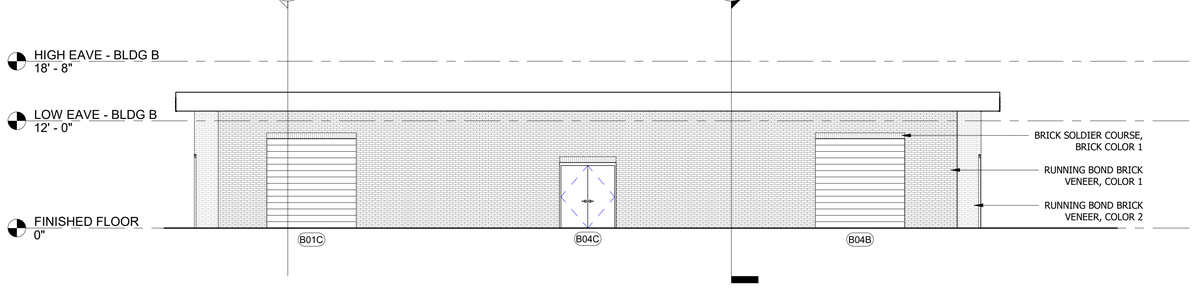
1 EXTERIOR ELEVATION - BUILDING B - NORTH
1/8" = 1'-0"



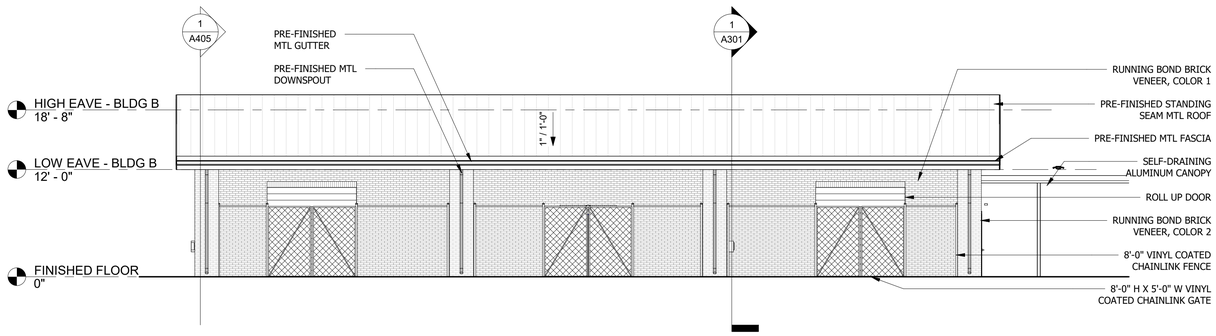
2 EXTERIOR ELEVATION - BUILDING B - EAST
1/8" = 1'-0"



3 EXTERIOR ELEVATION - BUILDING B - WEST
1/8" = 1'-0"



4 EXTERIOR ELEVATION - BUILDING B - SOUTH
1/8" = 1'-0"



5 EXTERIOR ELEVATION - BUILDING B - SOUTH
1/8" = 1'-0"

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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STATE OF LOUISIANA
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REVISIONS

SHEET # A201

EXTERIOR ELEVATIONS

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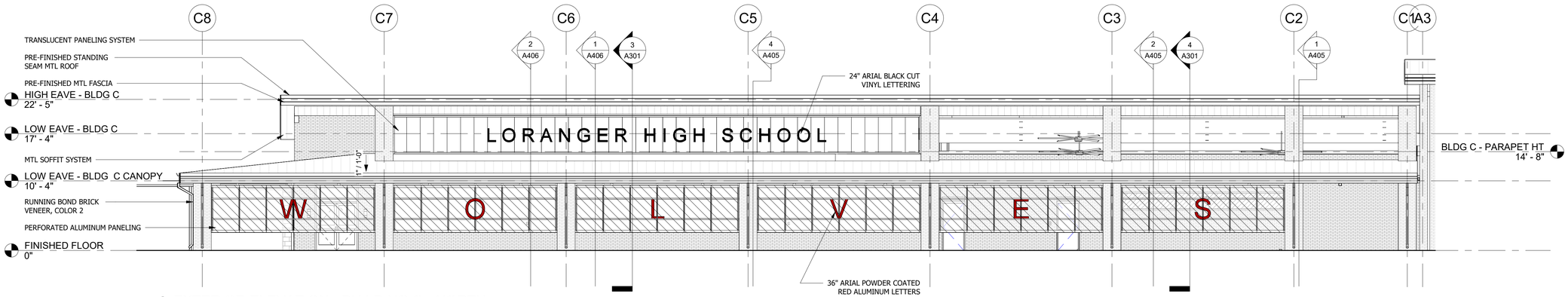
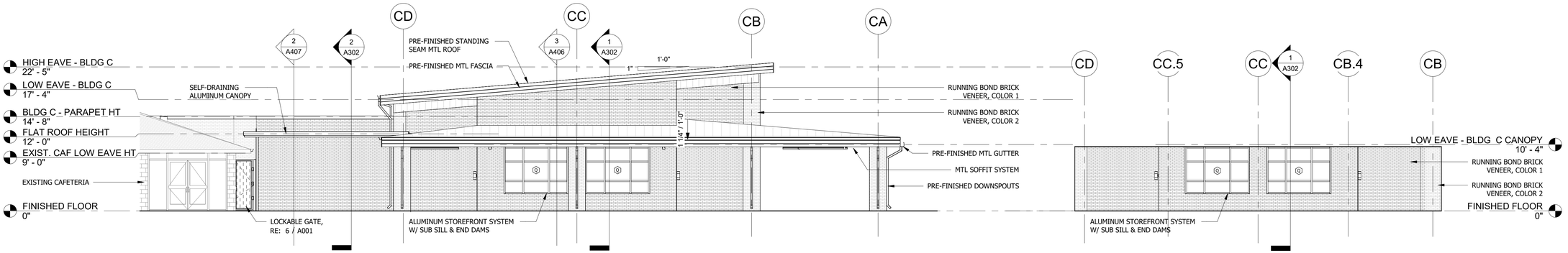
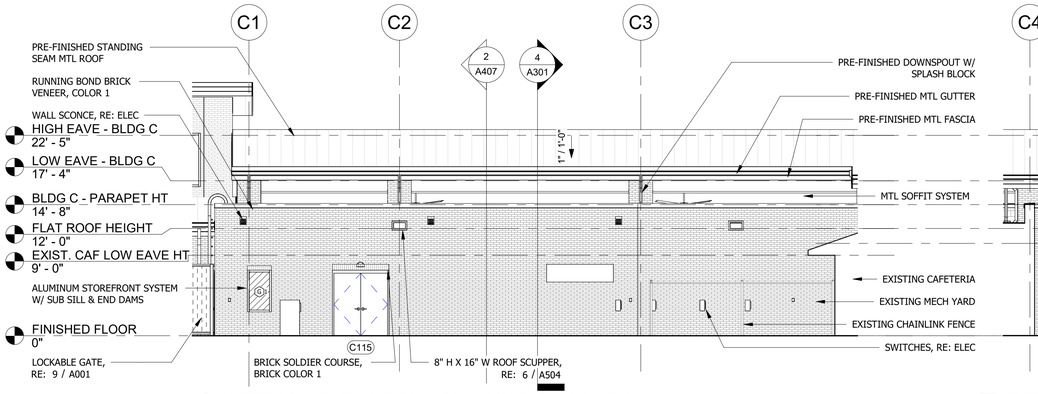


1 EXTERIOR ELEVATION - BUILDING C - NORTH
1/8" = 1'-0"

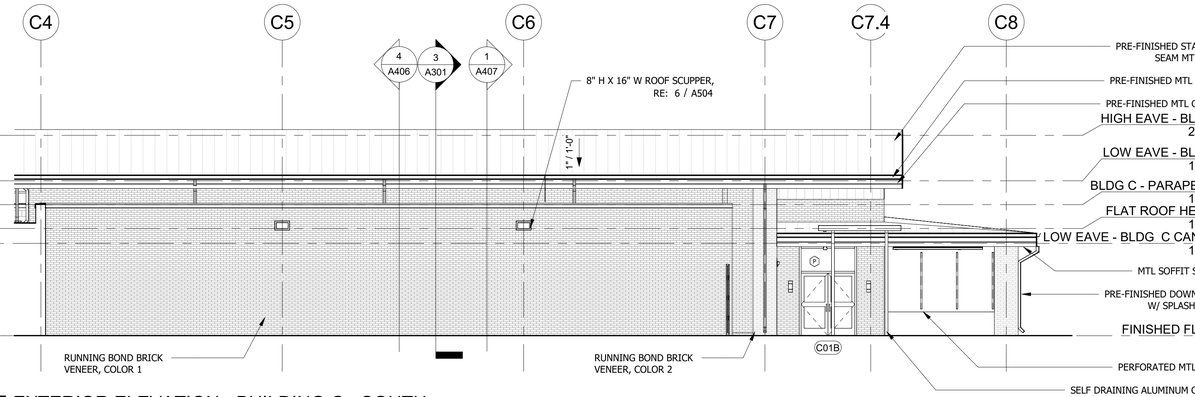


2 EXTERIOR ELEVATION - BUILDING C - EAST
1/8" = 1'-0"

3 EXTERIOR ELEVATION - BUILDING C - EAST
1/8" = 1'-0"



4 EXTERIOR ELEVATION - BUILDING C - SOUTH
1/8" = 1'-0"



5 EXTERIOR ELEVATION - BUILDING C - SOUTH
1/8" = 1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

EXTERIOR ELEVATIONS

SHEET # A202

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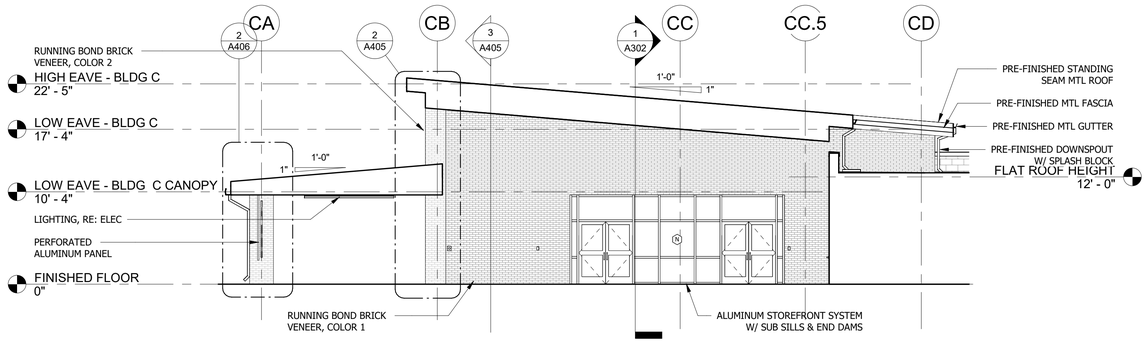
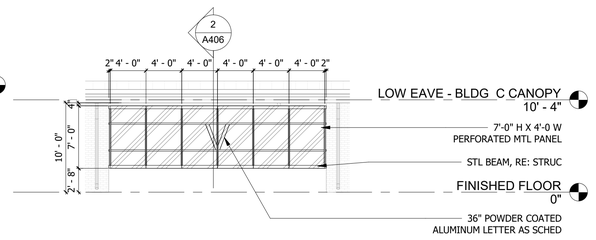
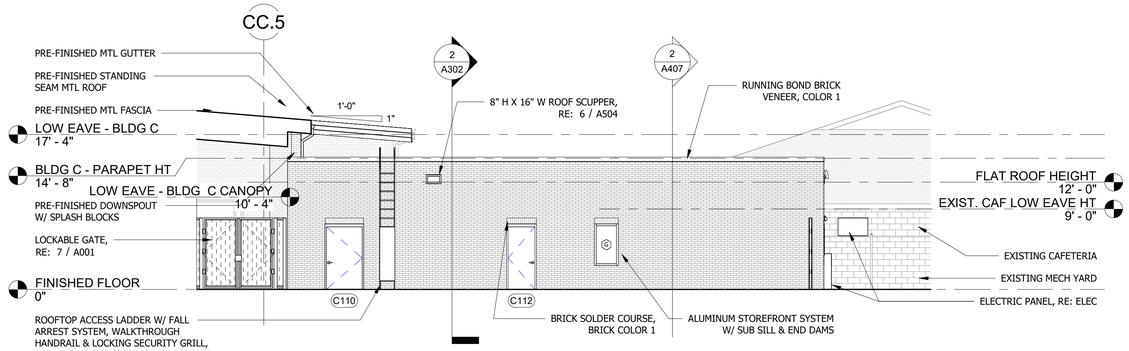


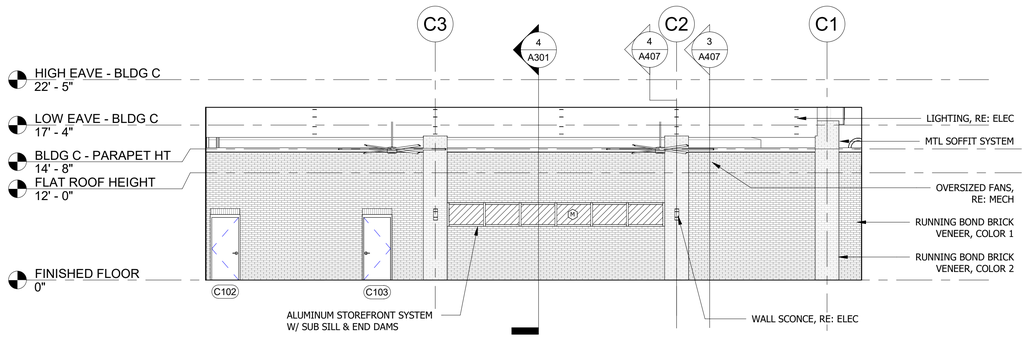
1 EXTERIOR ELEVATION - BUILDING C - WEST
1/8" = 1'-0"



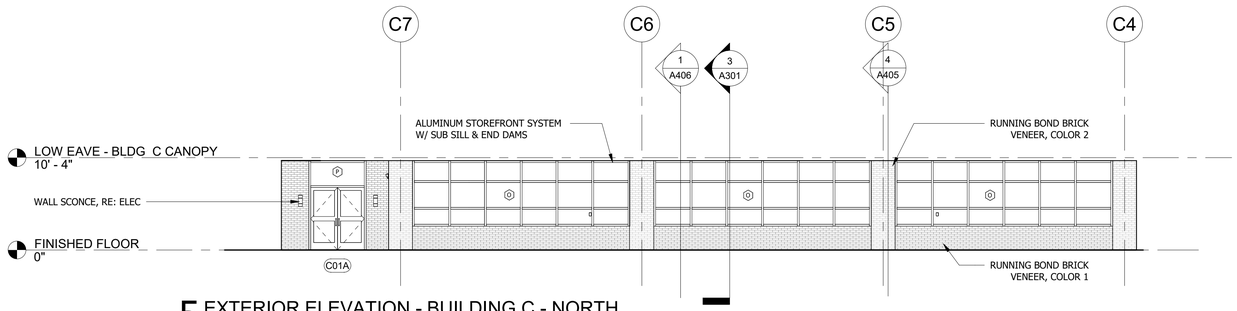
2 TYP METAL PANEL LAYOUT
1/8" = 1'-0"



3 EXTERIOR ELEVATION - BUILDING C - WEST
1/8" = 1'-0"



4 EXTERIOR ELEVATION - BUILDING C - SOUTH
1/8" = 1'-0"



5 EXTERIOR ELEVATION - BUILDING C - NORTH
1/8" = 1'-0"

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DATE 10.19.26

PROFESSIONAL OF RECORD

CHRISTOPHER P. BANKSTON #35284 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

EXTERIOR ELEVATIONS

SHEET # A203

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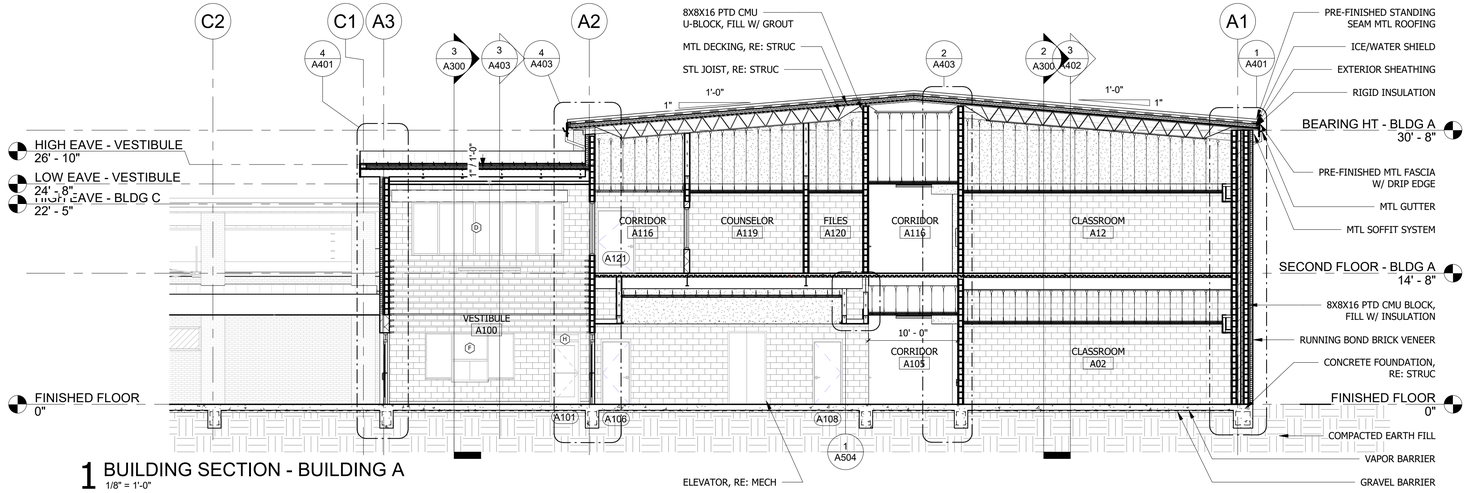
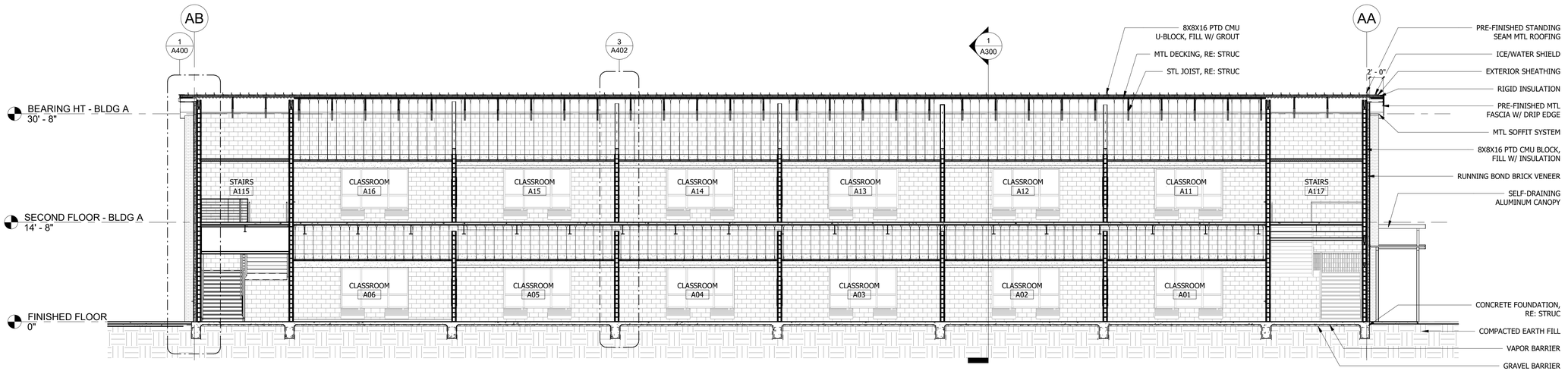


1 BUILDING SECTION - BUILDING A
1/8" = 1'-0"



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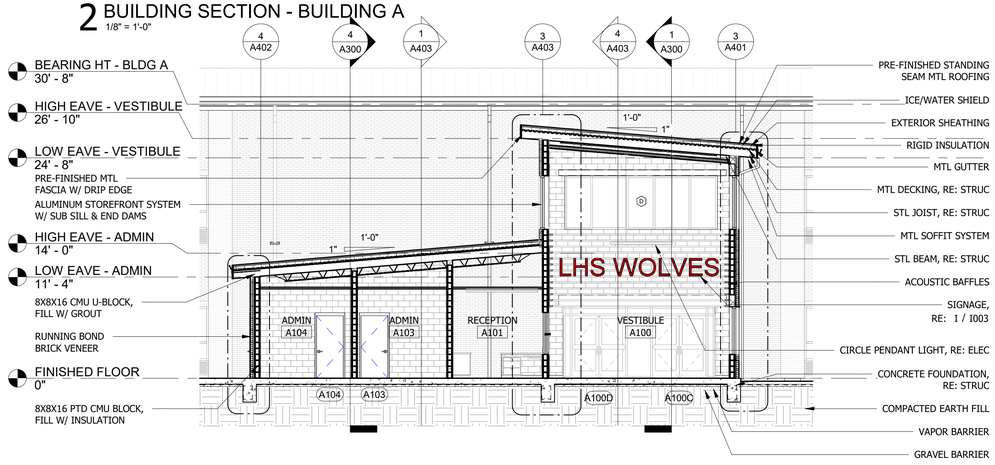

3 BUILDING SECTION - BUILDING A
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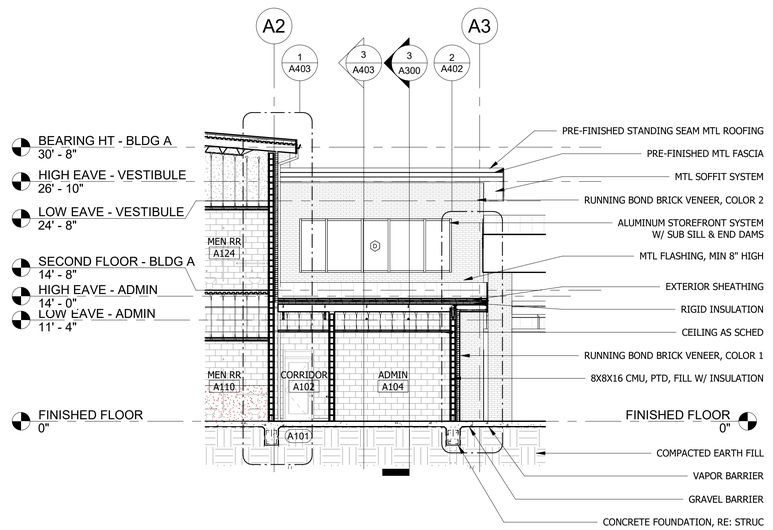

4 BUILDING SECTION - BUILDING A
1/8" = 1'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
Chris Bankston, AIA, NCARB, LEED AP
1007 West Thomas St. Suite G, Hammond LA 70401 985.345.5047

PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

BUILDING SECTIONS

SHEET # A300

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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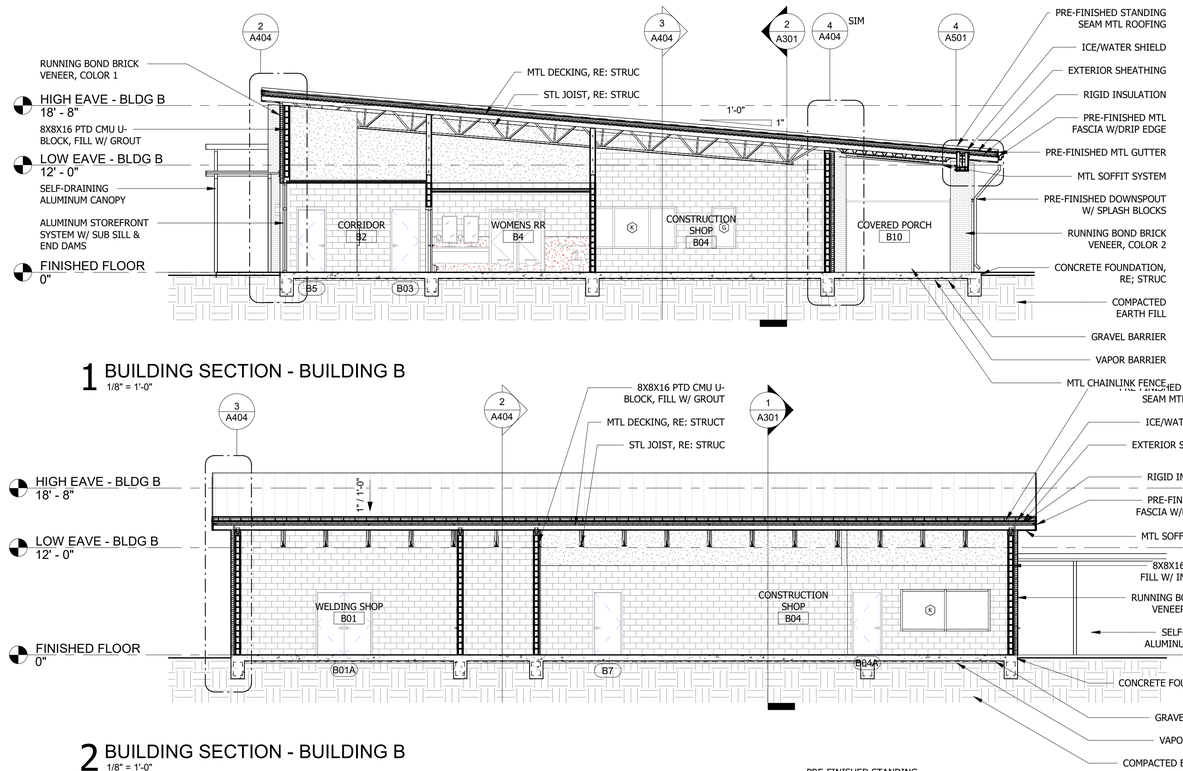
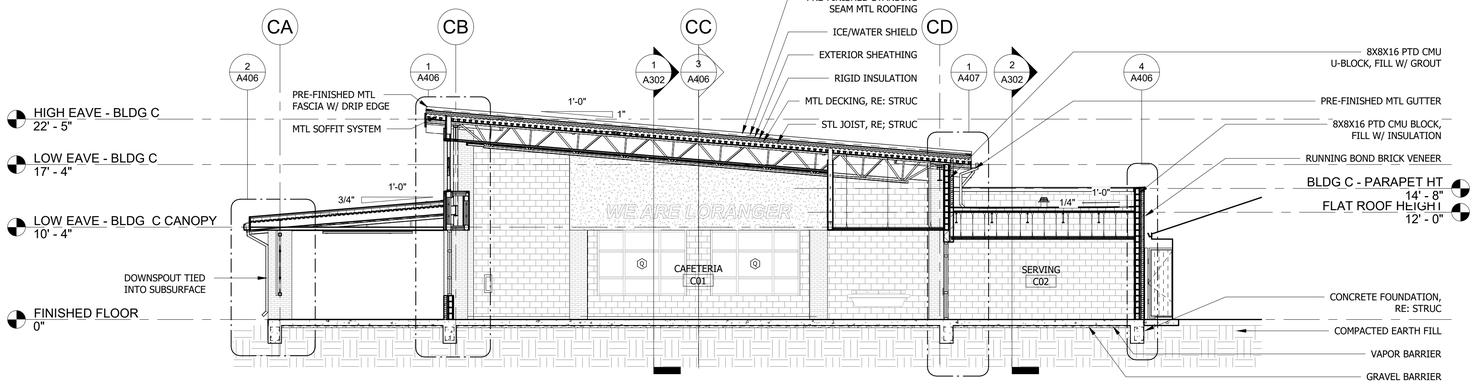


1 BUILDING SECTION - BUILDING B
1/8" = 1'-0"

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



3 BUILDING SECTION - BUILDING C
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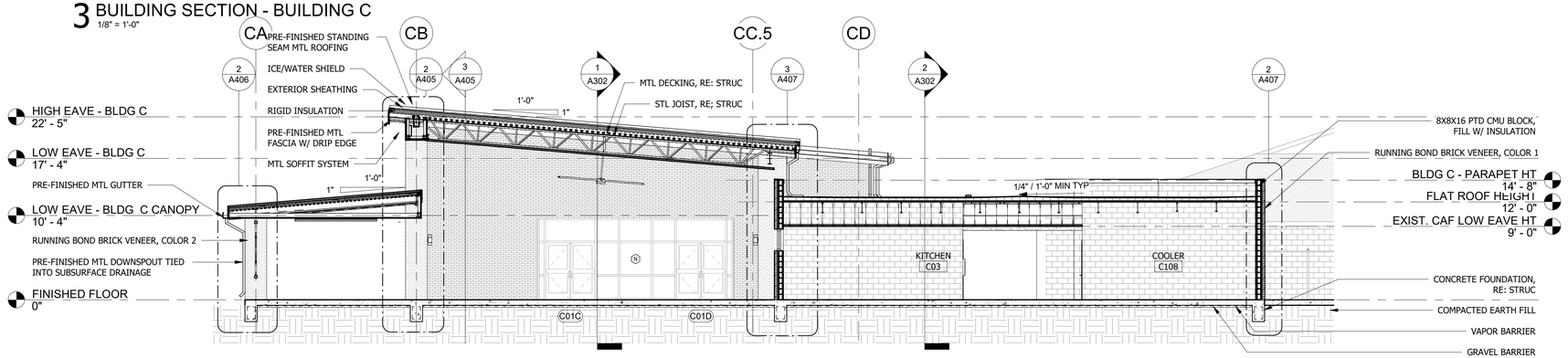

4 BUILDING SECTION - BUILDING C
1/8" = 1'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
ggbarchitects.com
Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. BANKSTON 30,599 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

BUILDING SECTIONS

SHEET # A301

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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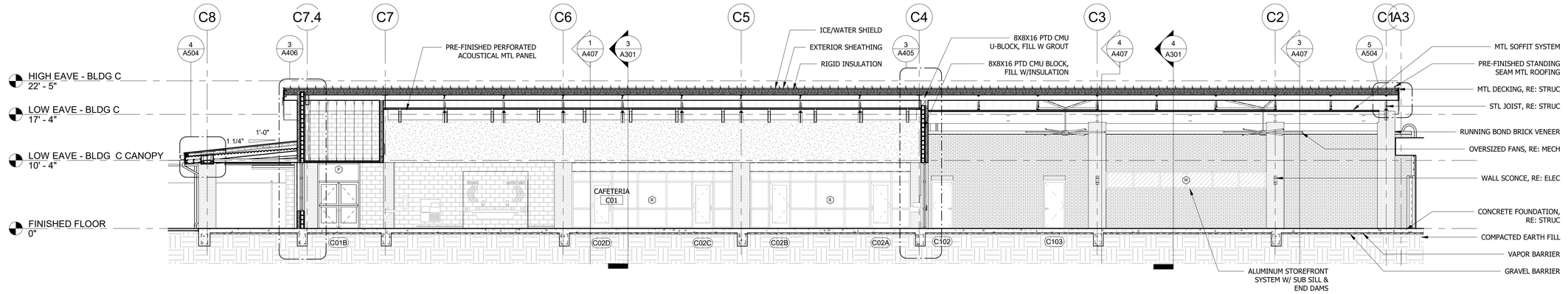

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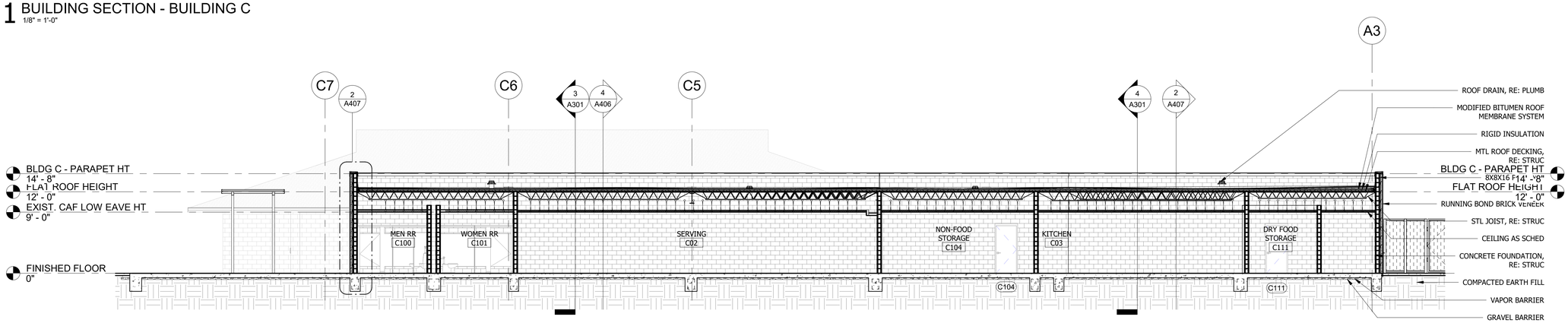

2 BUILDING SECTION - BUILDING C
1/8" = 1'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER D. BANKSTON
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

BUILDING SECTIONS

SHEET # A302

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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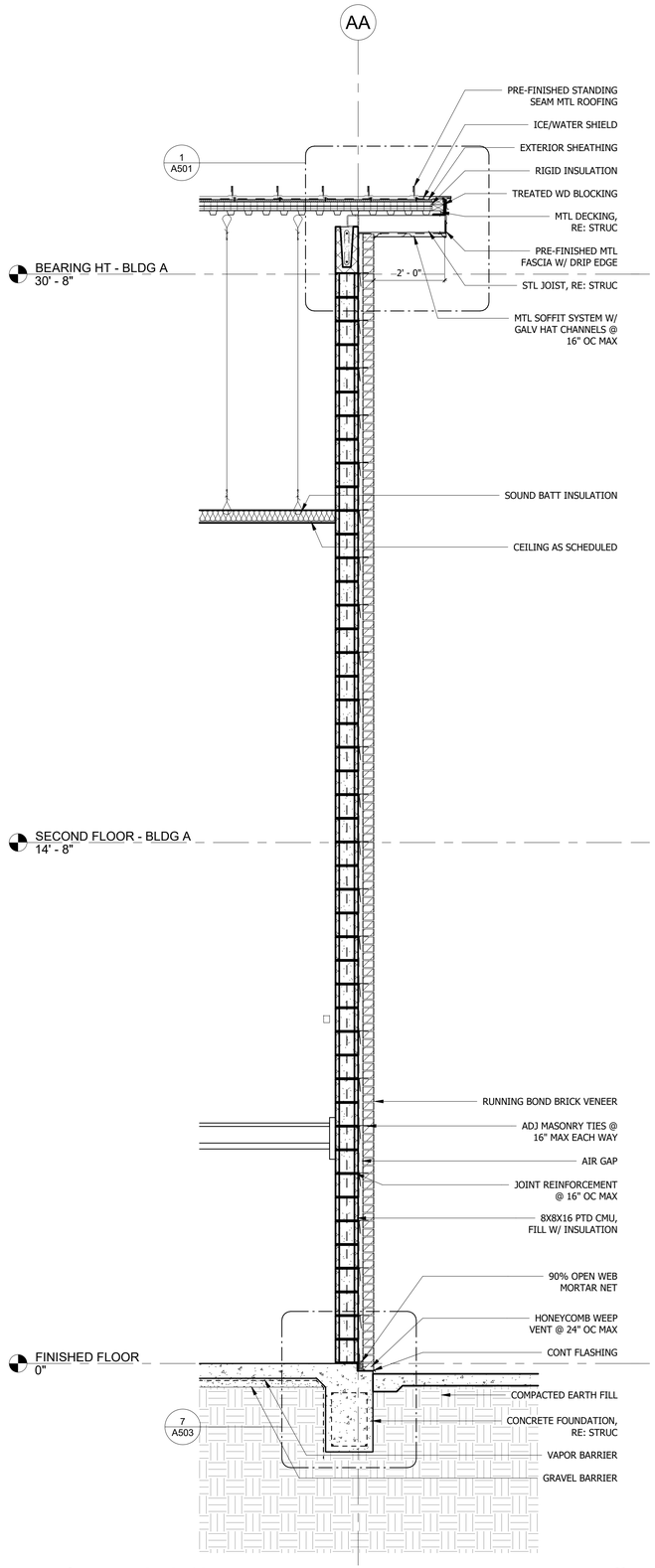
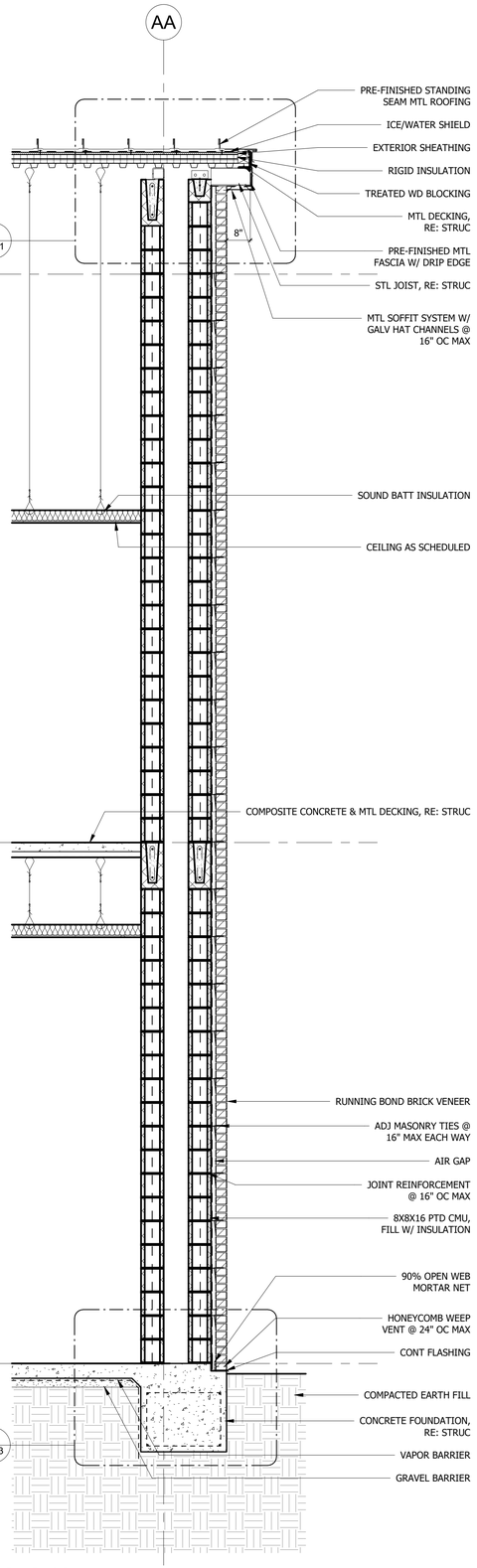


1 WALL SECTION
1/2" = 1'-0"



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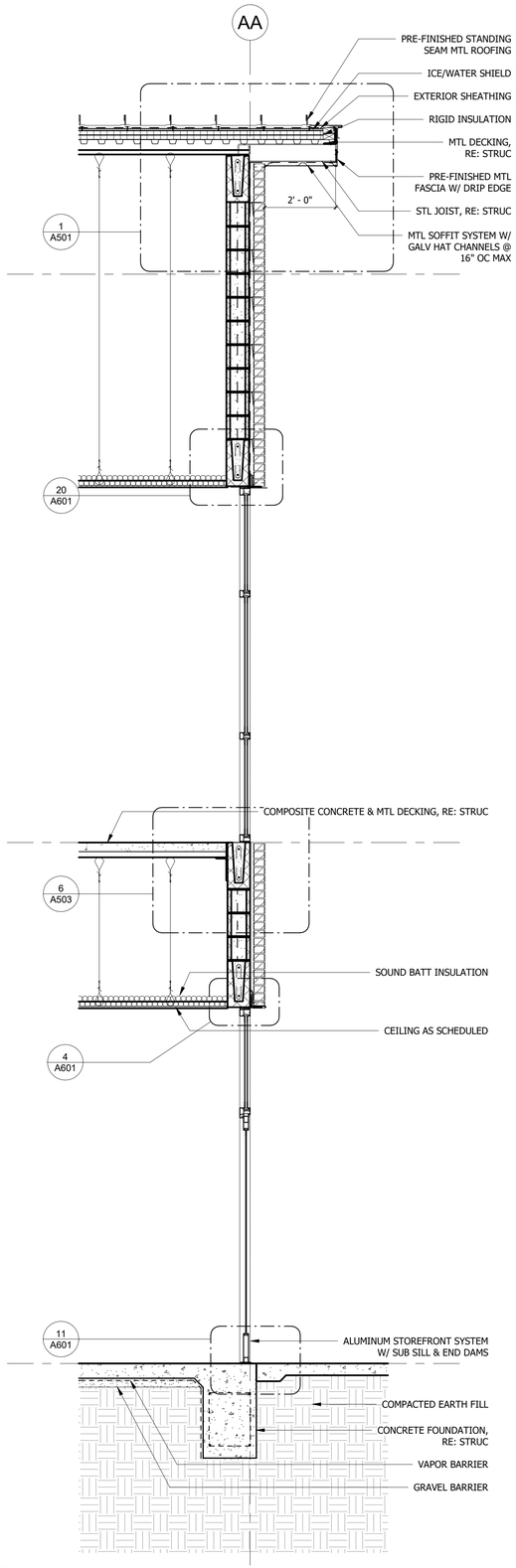
1/2" = 1'-0"



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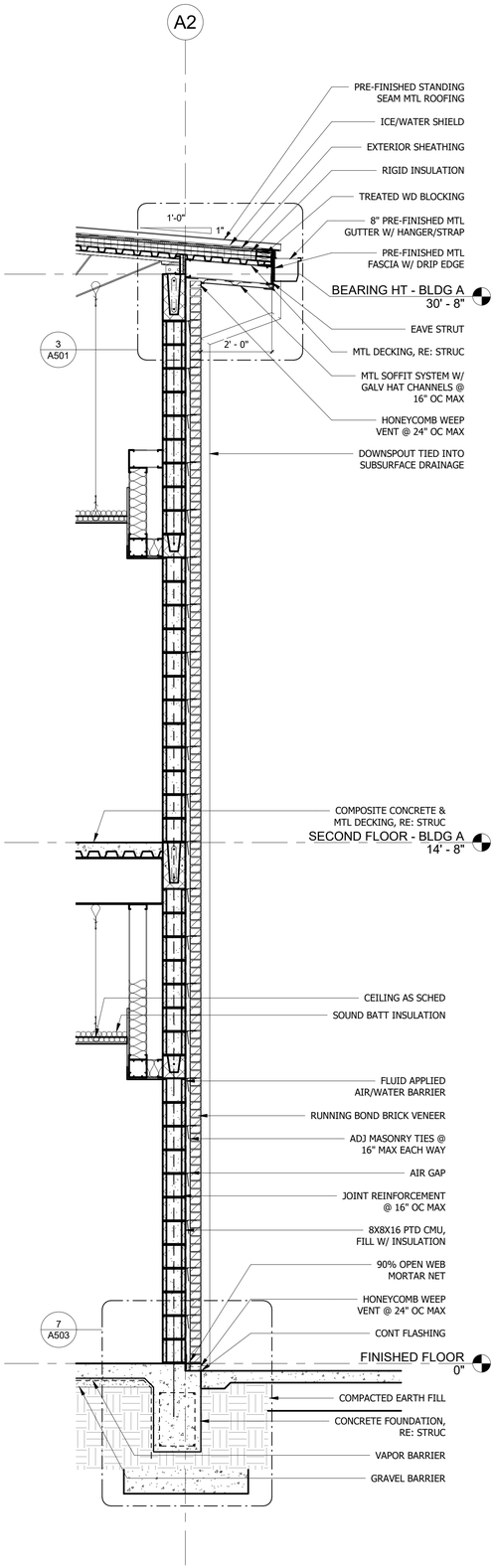
1/2" = 1'-0"



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

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
ggbarchitects.com
Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
Chris Bankston, AIA, NCARB, LEED AP
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. BANKSTON
NO. 33621
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

WALL SECTIONS

SHEET # A400

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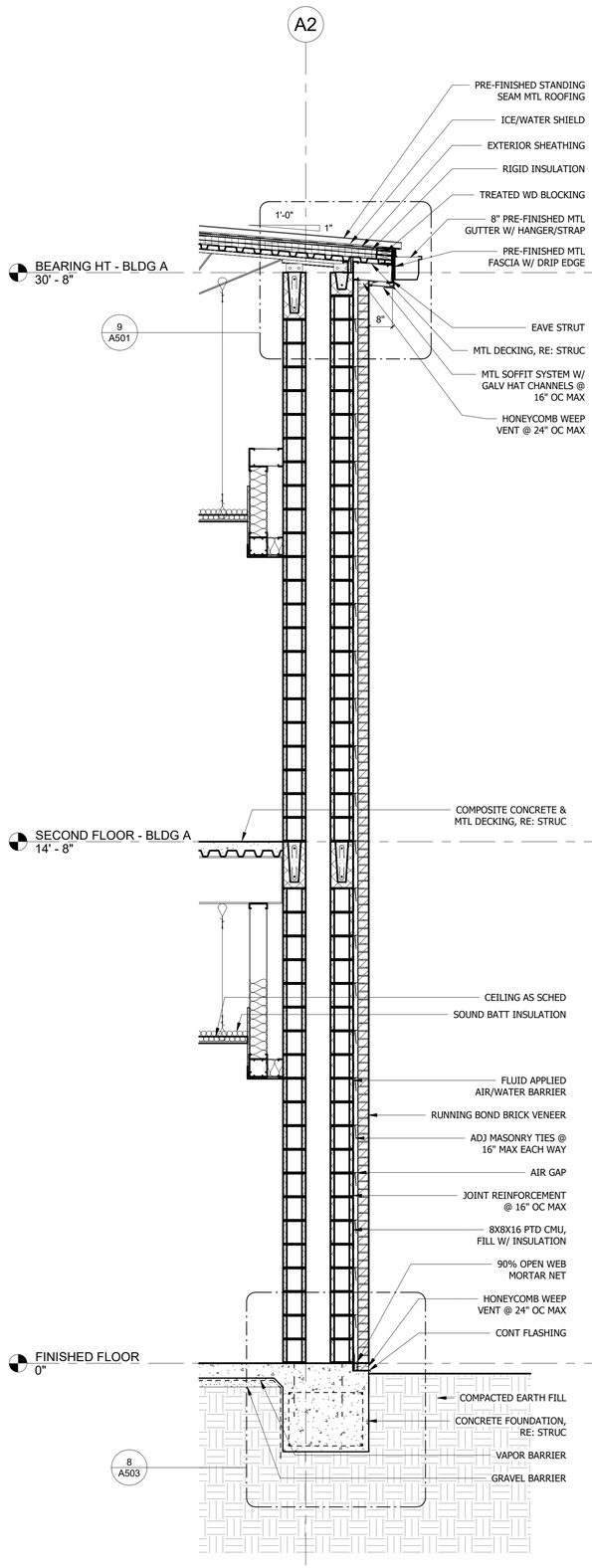
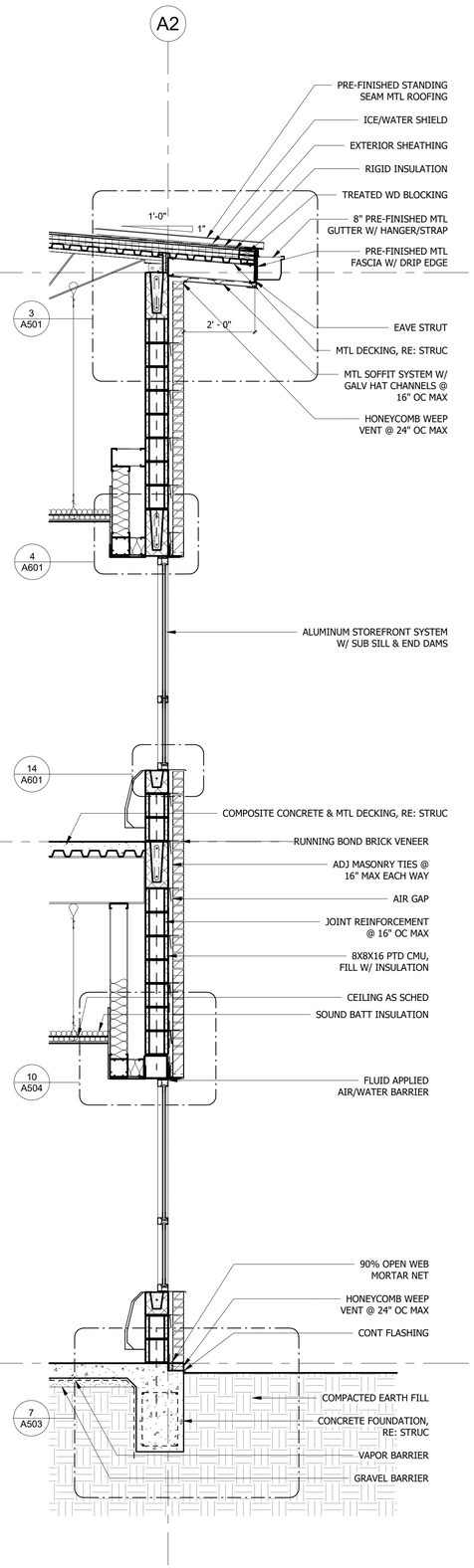


1 WALL SECTION
1/2" = 1'-0"



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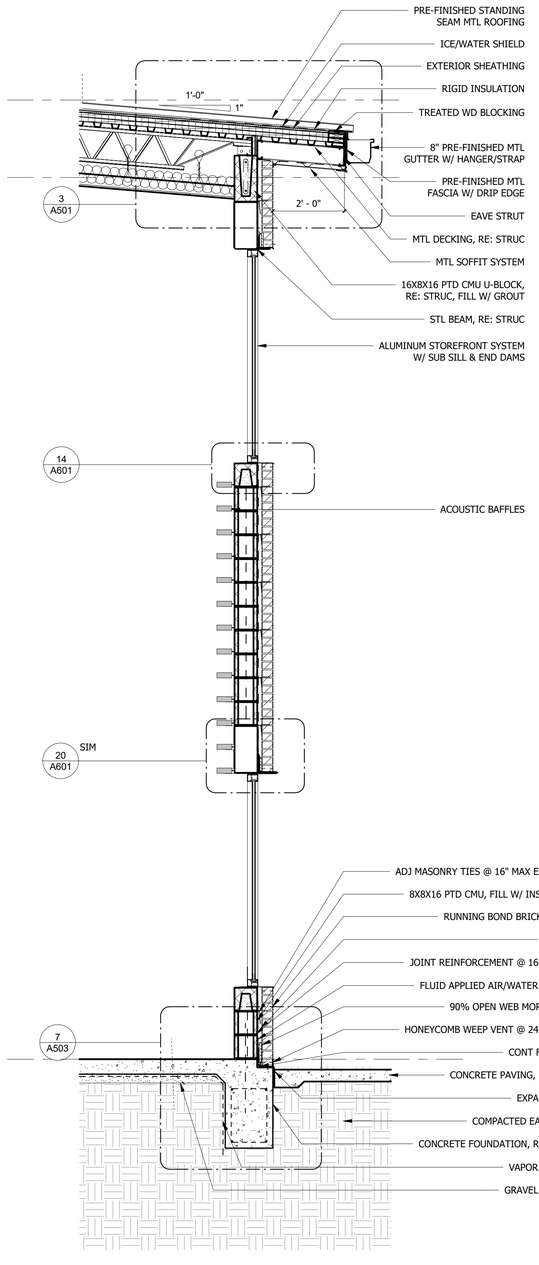

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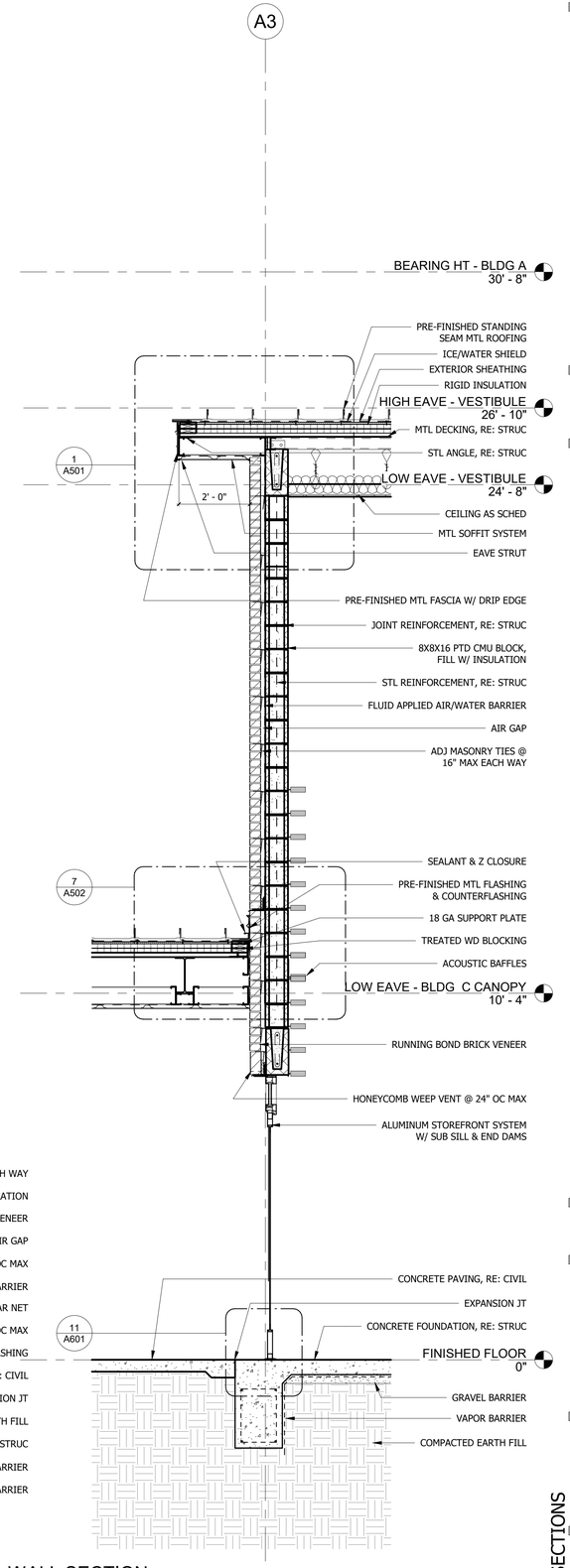
1/2" = 1'-0"



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

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
Chris Bankston, AIA, NCARB, LEED AP
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

PROFESSIONAL OF RECORD
CHRISTOPHER P. ALLEN
No. 36424
STATE OF LOUISIANA
REGISTERED ARCHITECT

DATE 10.19.26

REVISIONS

WALL SECTIONS

SHEET # A401

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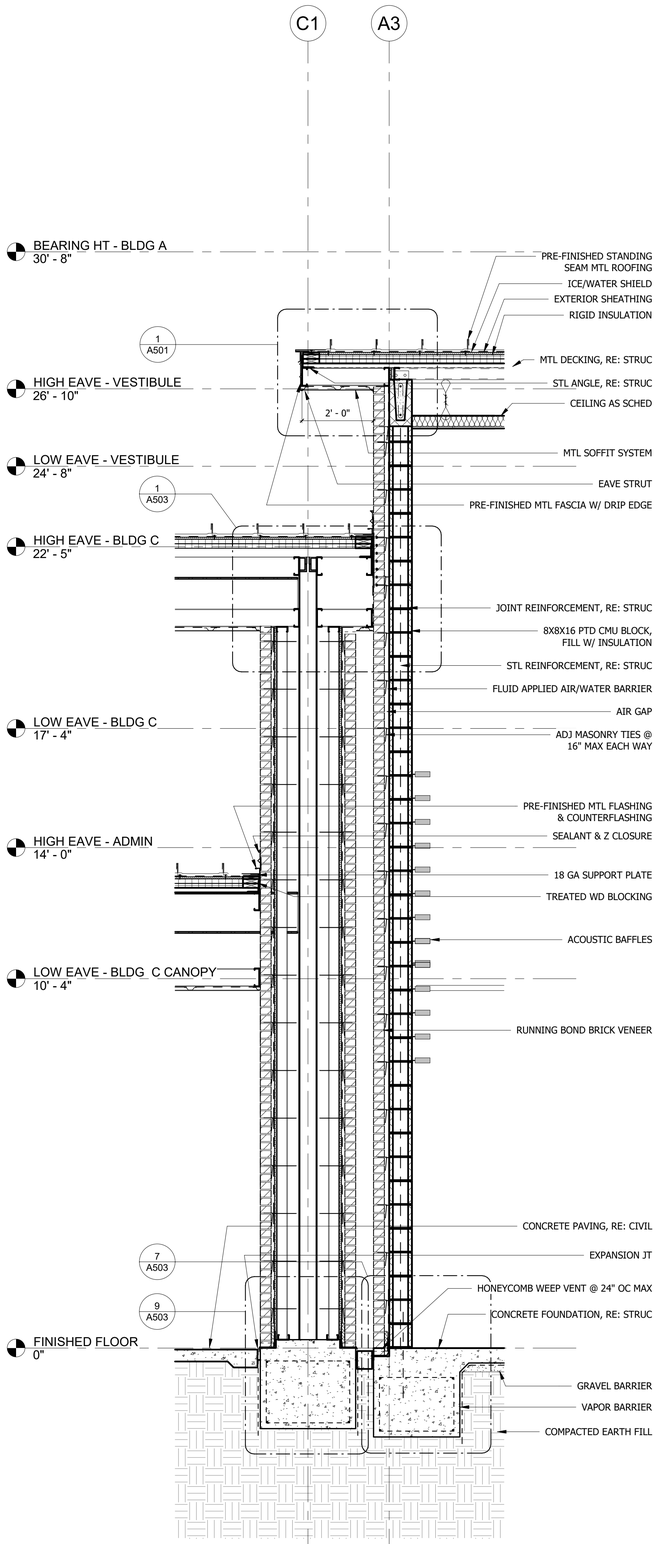
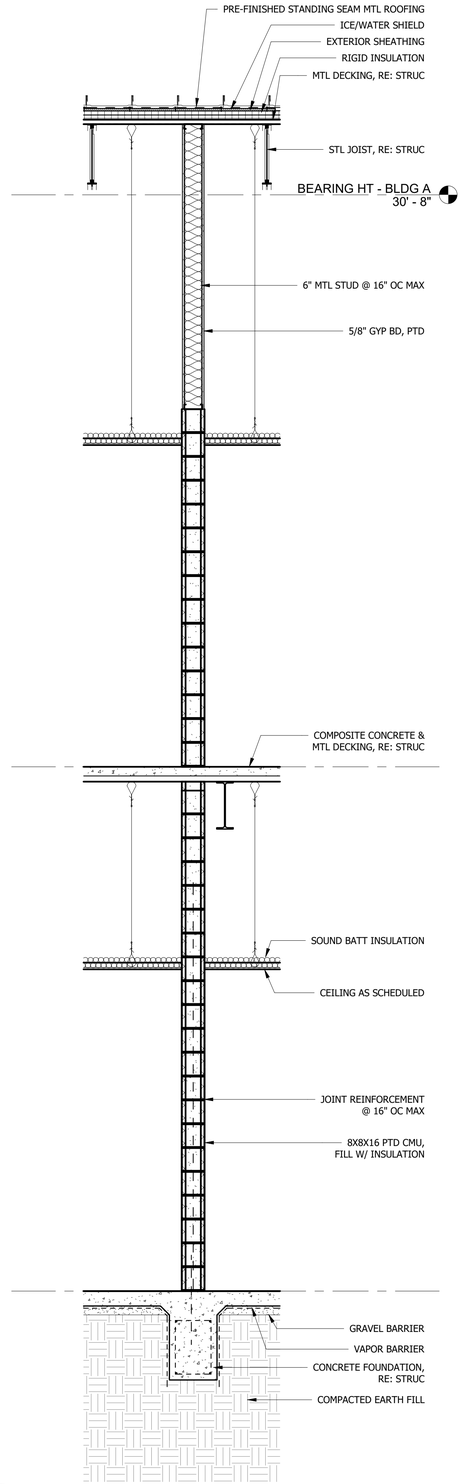


1 WALL SECTION
1/2" = 1'-0"

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



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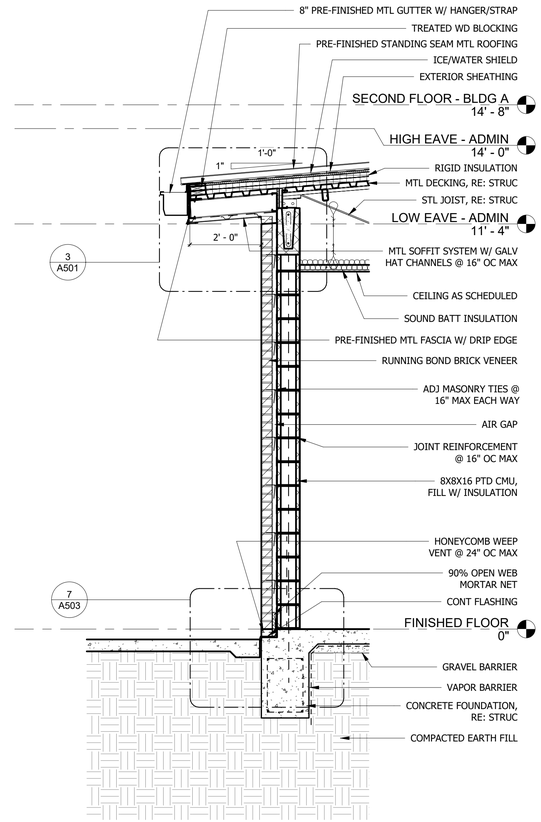

4 WALL SECTION
1/2" = 1'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
ggbarchitects.com
Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
Chris Bankston, AIA, NCARB, LEED AP
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER PAUL BANKSTON
NO. 34744
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

WALL SECTIONS

SHEET # A402

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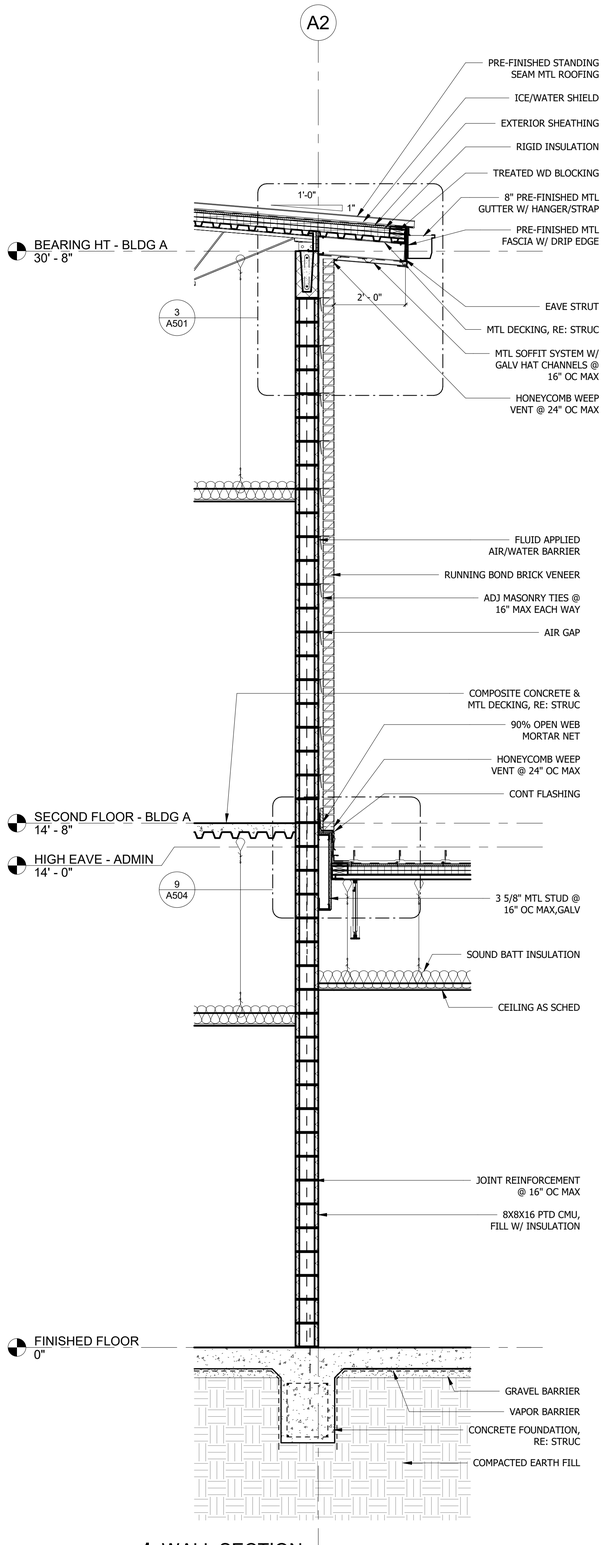

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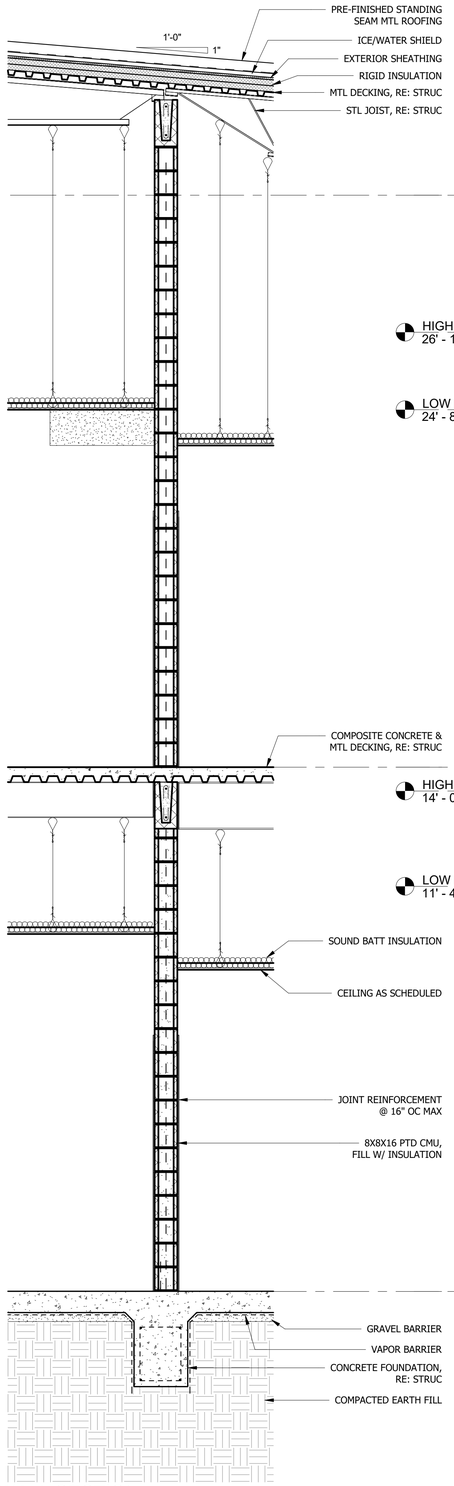
1/2" = 1'-0"



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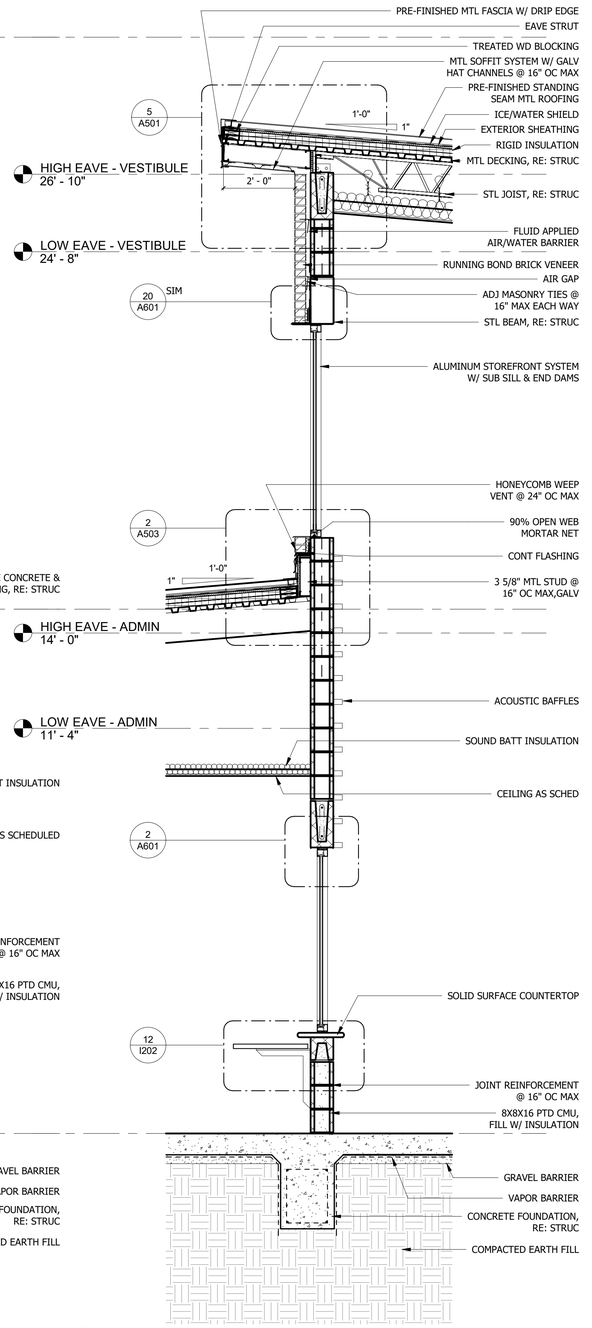
1/2" = 1'-0"



3 WALL SECTION
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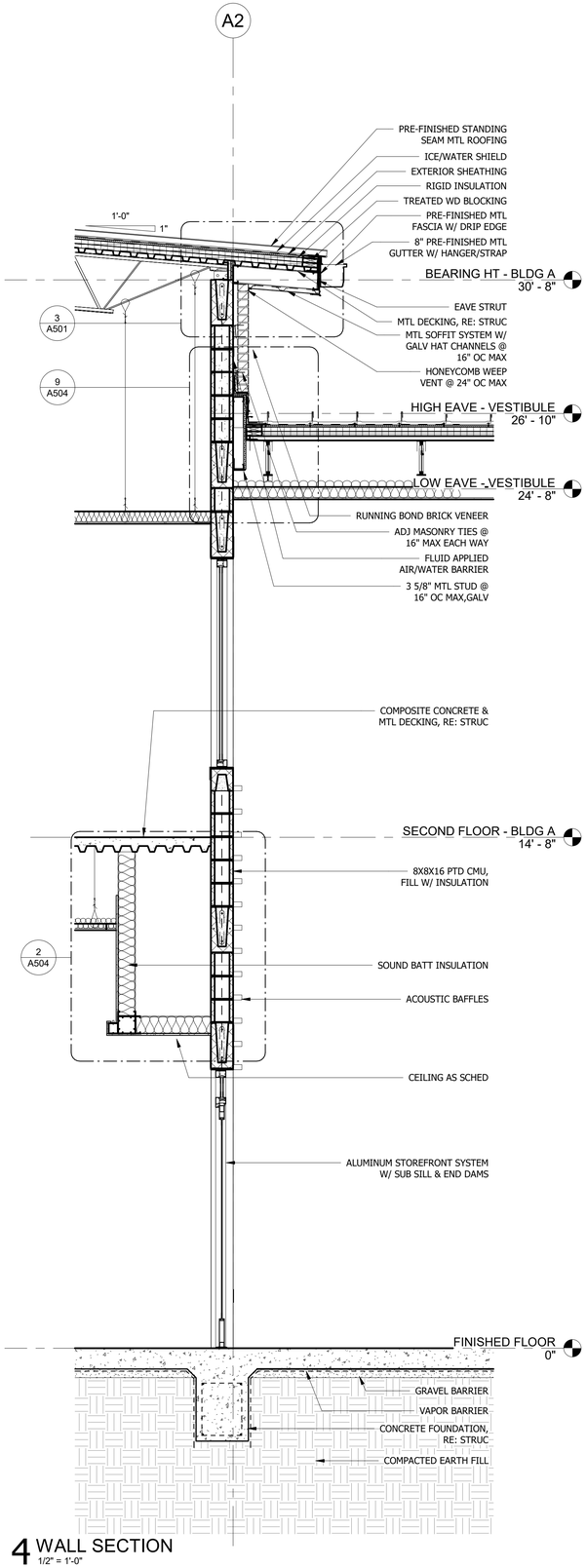

4 WALL SECTION
1/2" = 1'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

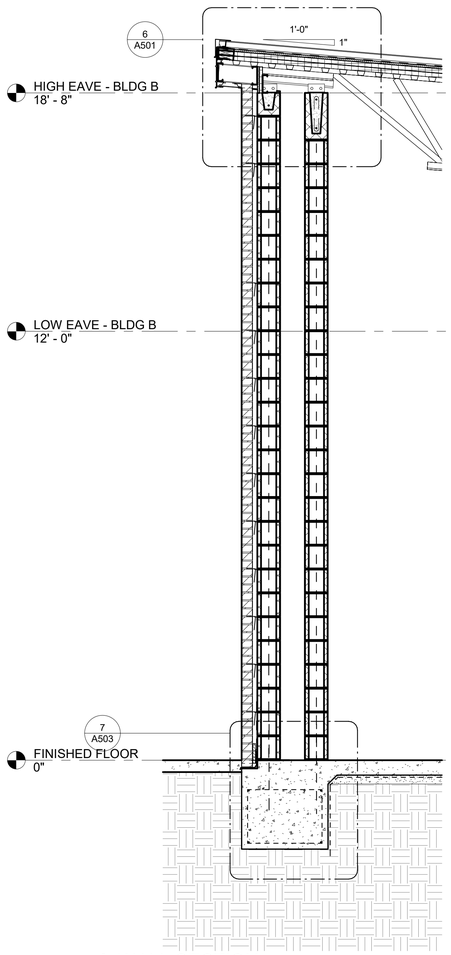
DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. GASAWAY
No. 36267
STATE OF LOUISIANA
REGISTERED ARCHITECT

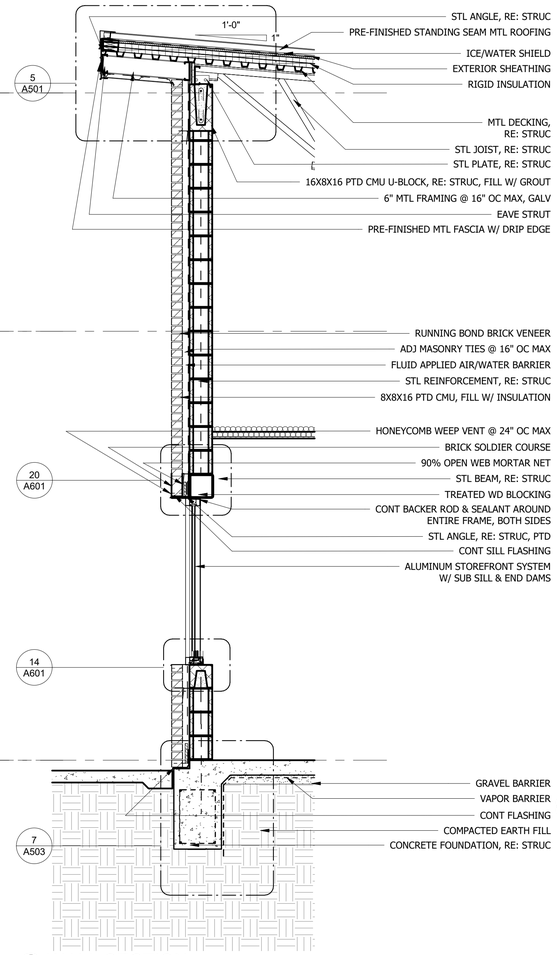
REVISIONS

WALL SECTIONS

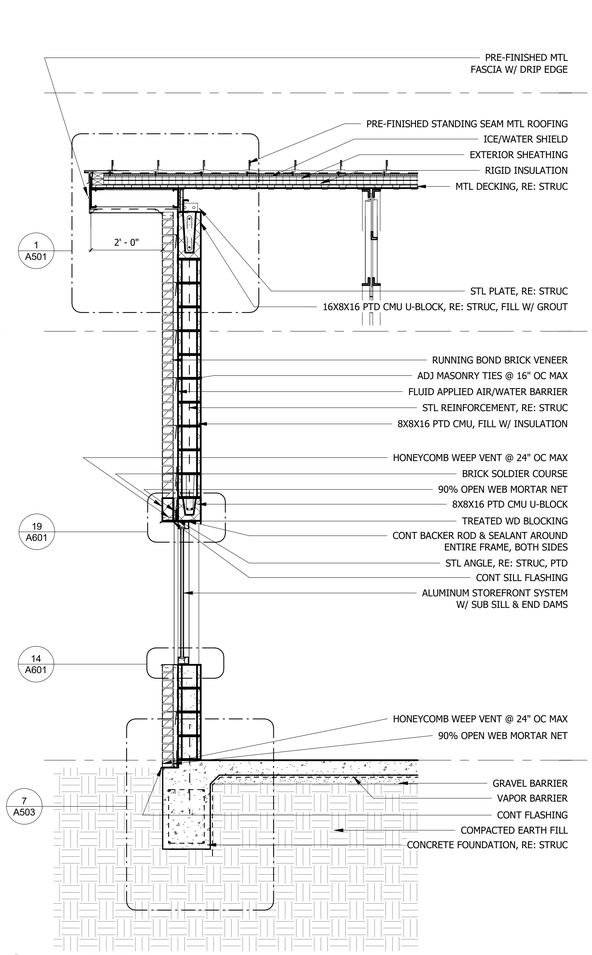
SHEET # A403



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



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



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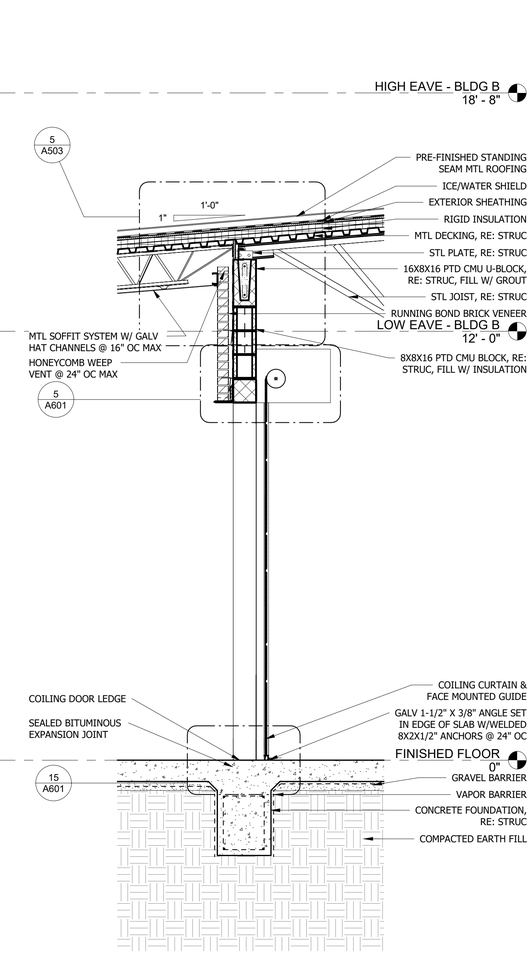

4 WALL SECTION
1/2" = 1'-0"

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Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER D. BANKSTON
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

WALL SECTIONS

SHEET # A404

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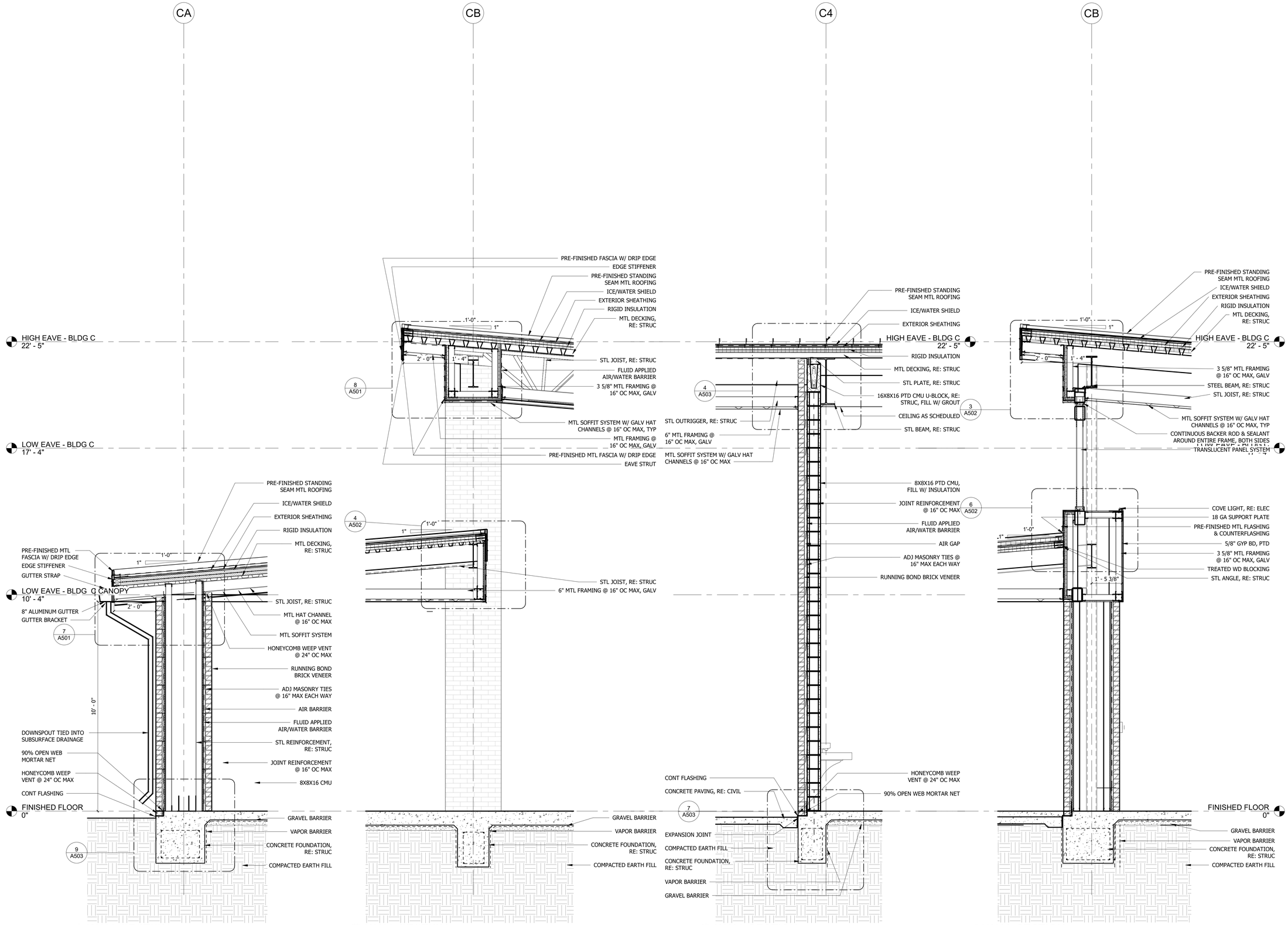

1 WALL SECTION
1/2" = 1'-0"

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

3 WALL SECTION
1/2" = 1'-0"

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

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19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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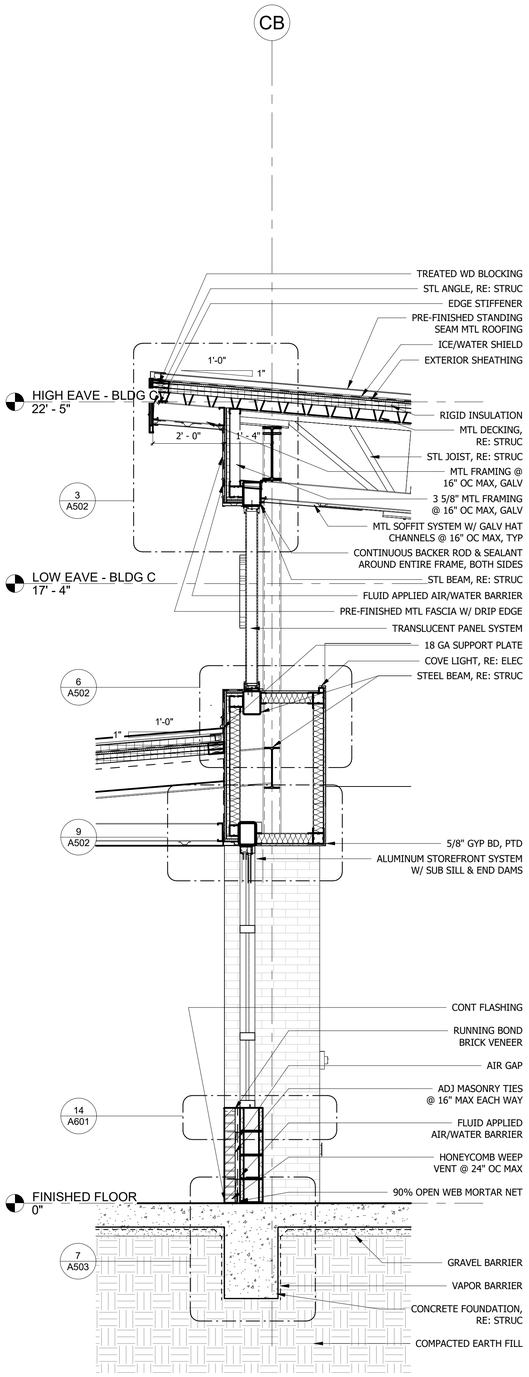
DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER S. BANKSTON
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

WALL SECTIONS

SHEET # A405



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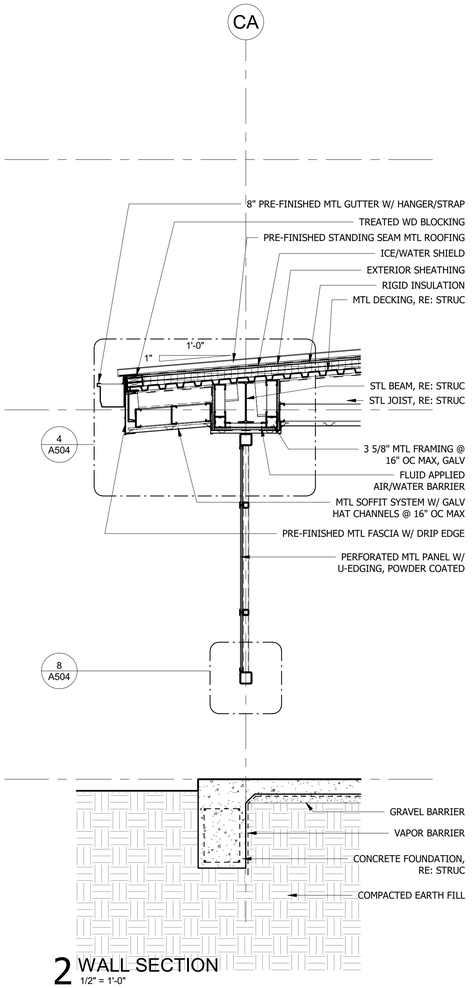

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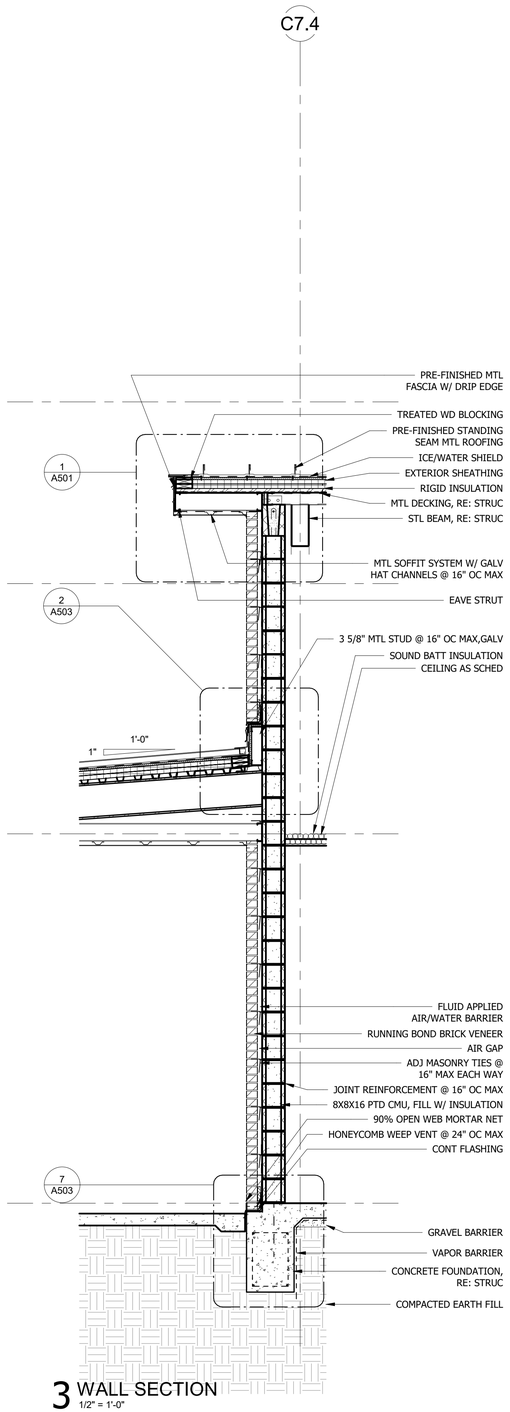

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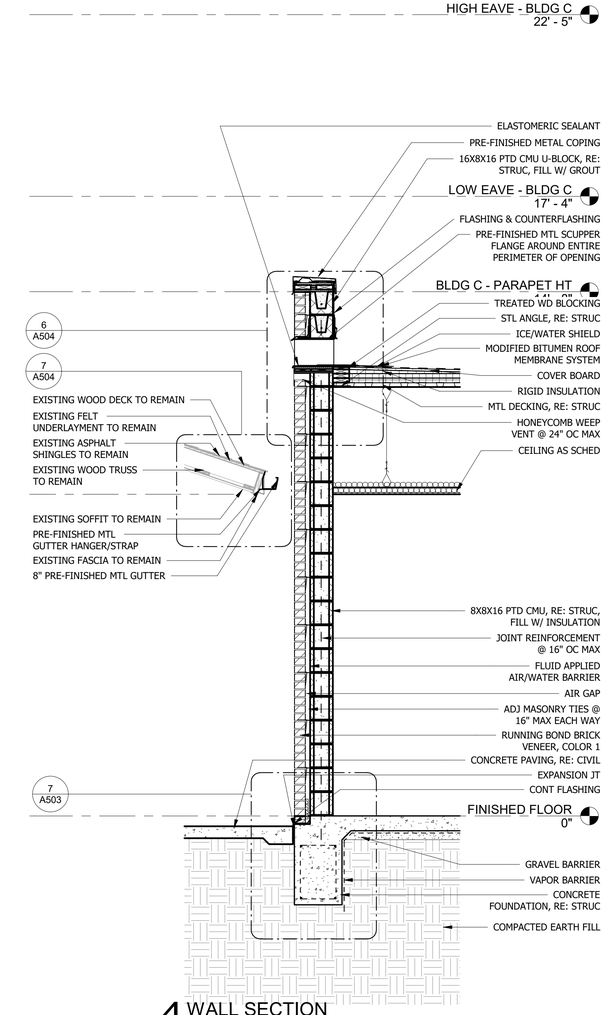

4 WALL SECTION
1/2" = 1'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
ggbarchitects.com
Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
Chris Bankston, AIA, NCARB, LEED AP
1007 West Thomas St. Suite G, Hammond LA 70401 985.345.5047

PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. [illegible] NO. [illegible] STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

WALL SECTIONS

SHEET # A406

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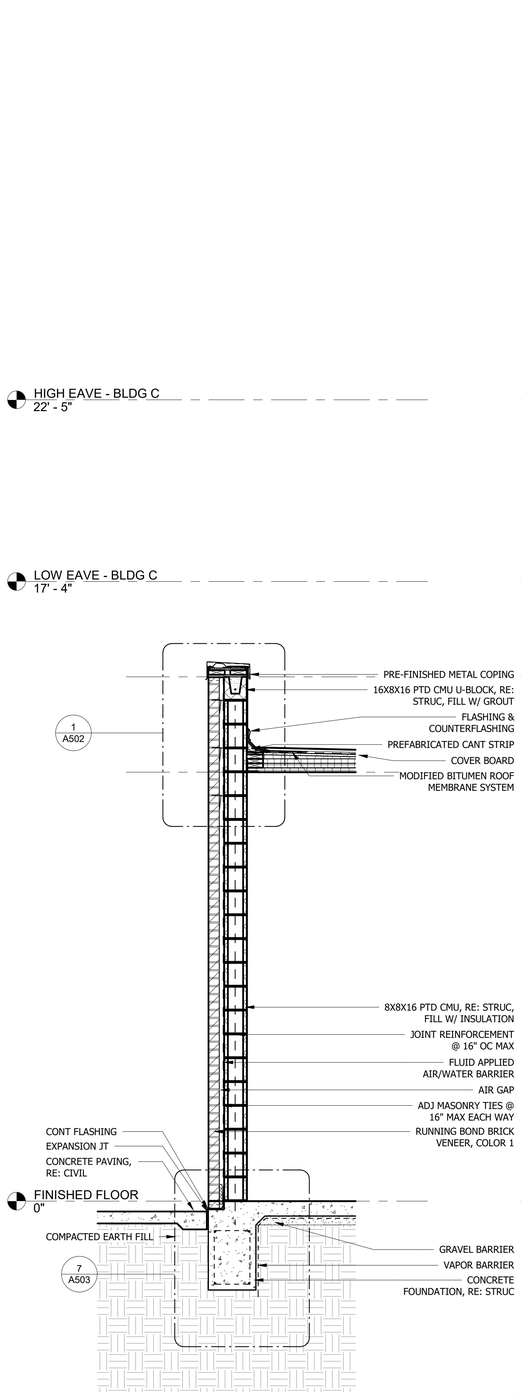

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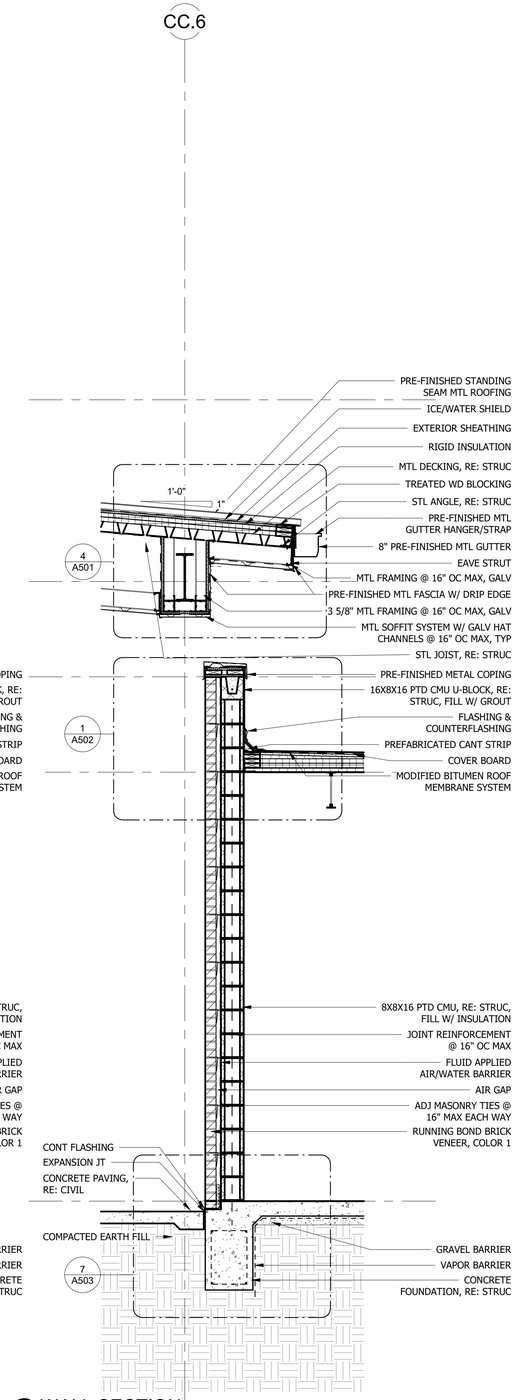

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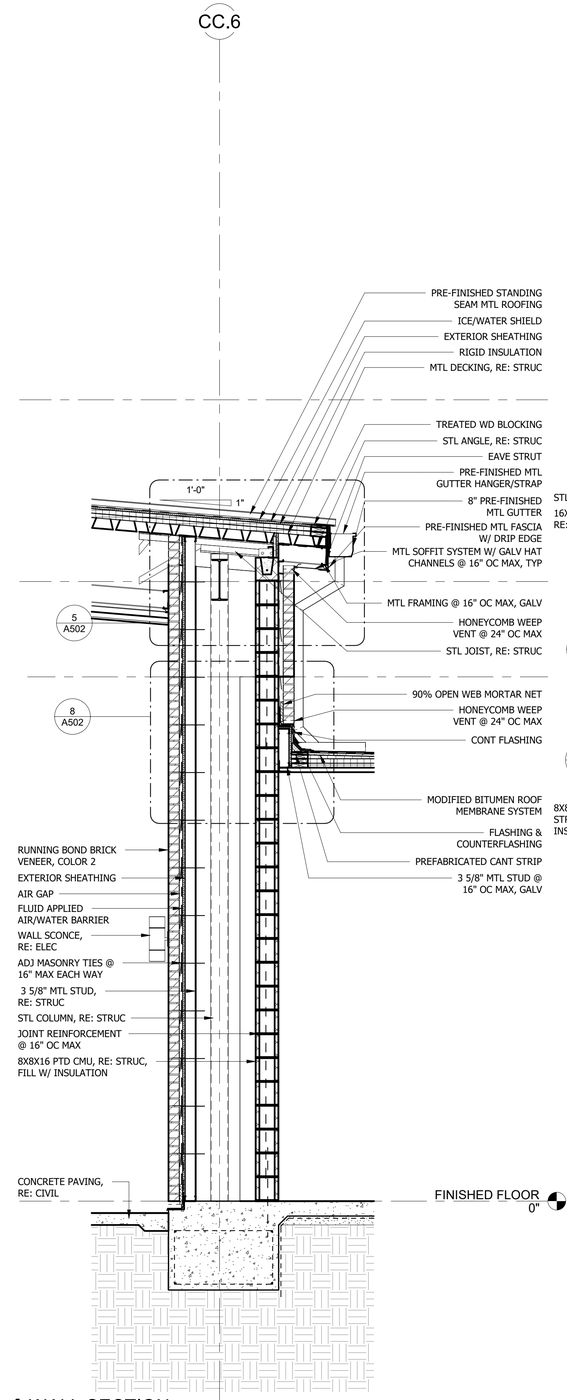

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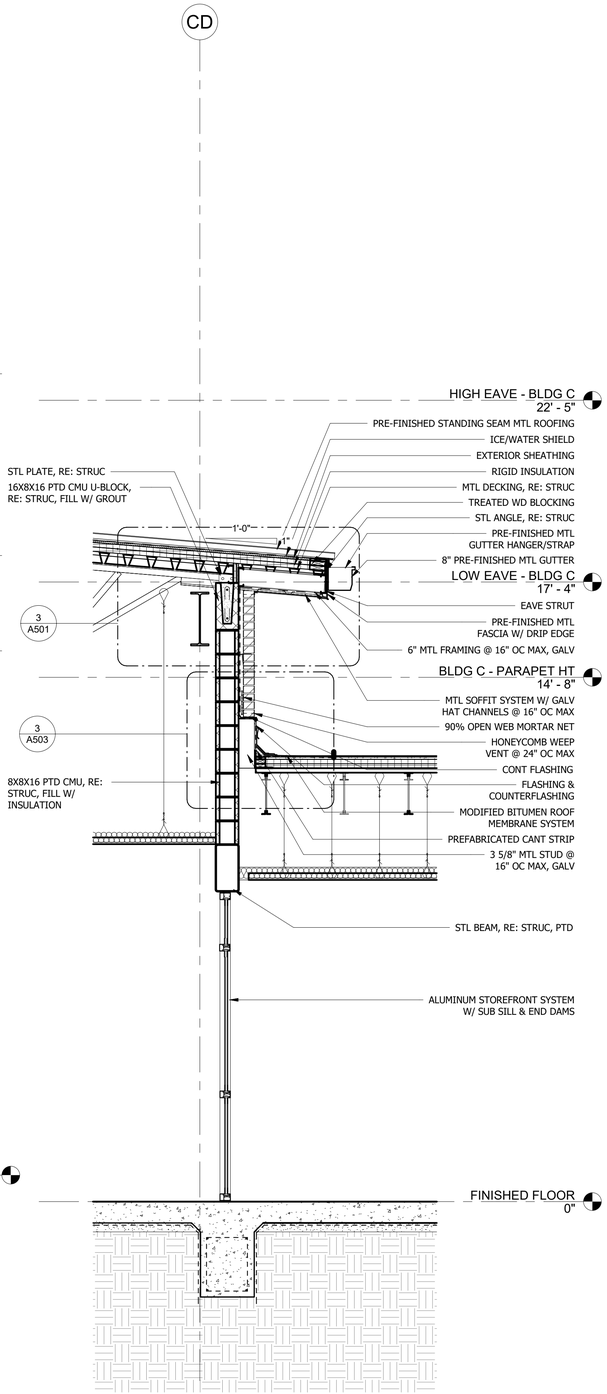

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

CHRISTOPHER P. BANKSTON
No. 34626
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

WALL SECTIONS

SHEET # A407

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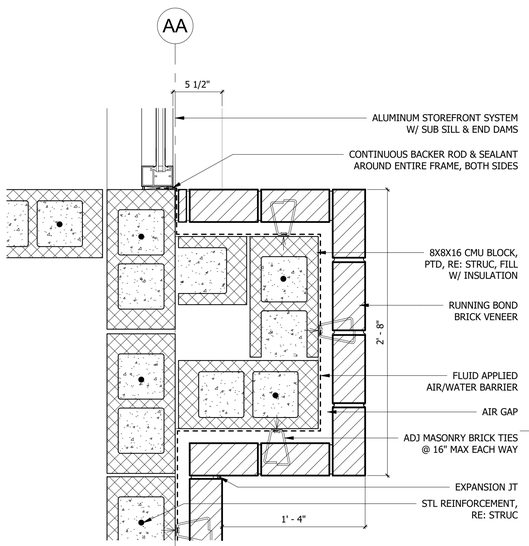

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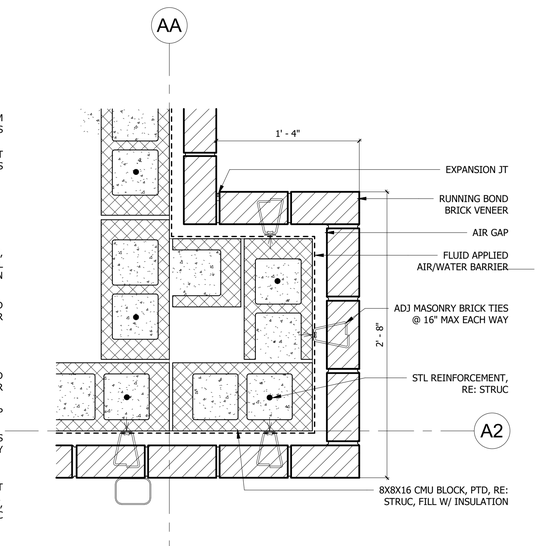

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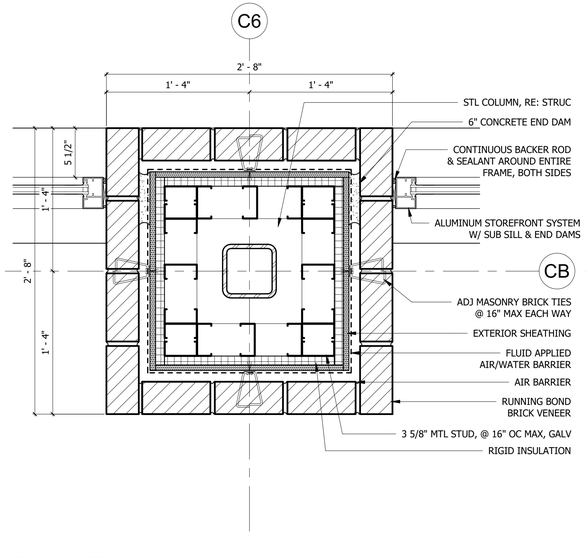

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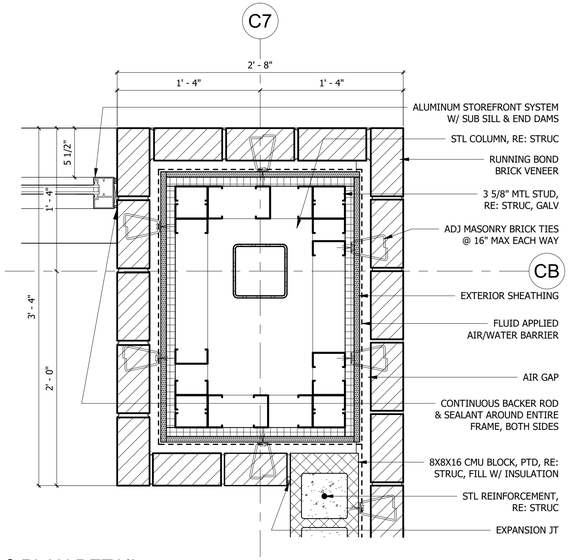

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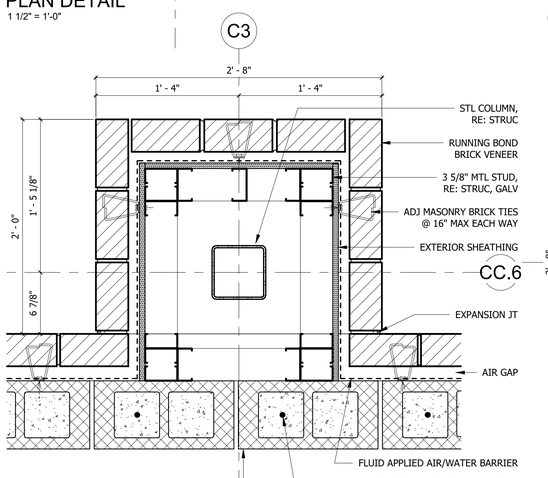

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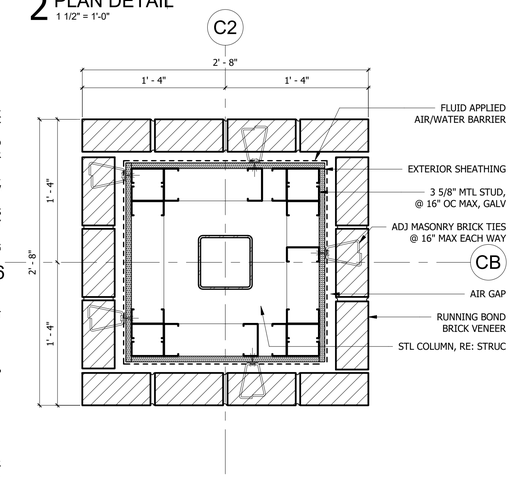

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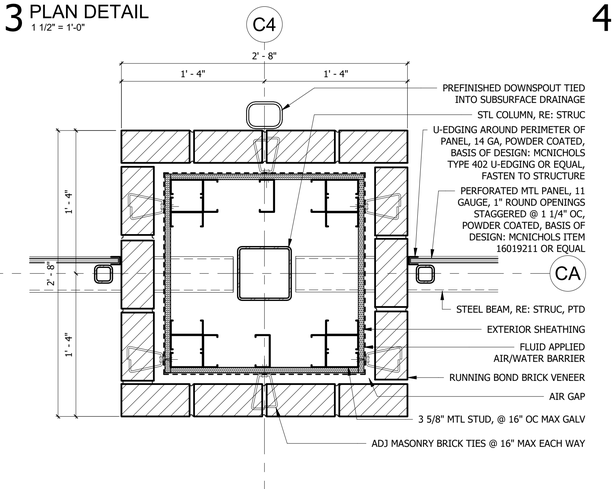

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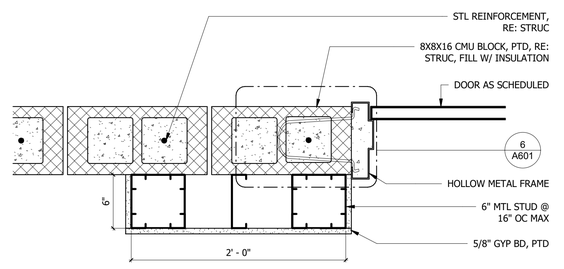

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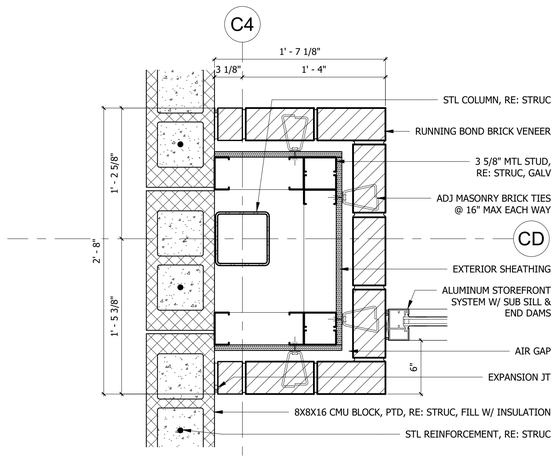

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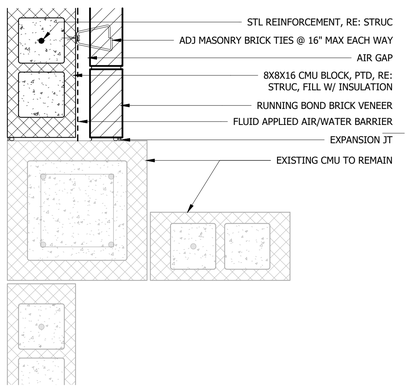

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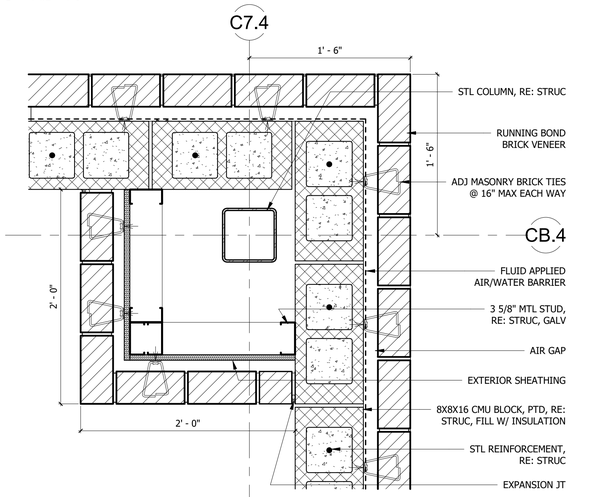

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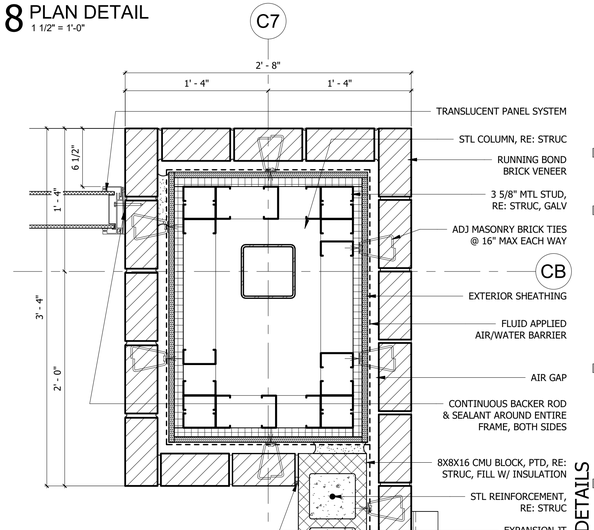

12 PLAN DETAIL
1 1/2" = 1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

REVISIONS

PROFESSIONAL OF RECORD
CHRISTOPHER P. SMITH
STATE OF LOUISIANA
REGISTERED ARCHITECT

SHEET # A500

PLAN DETAILS

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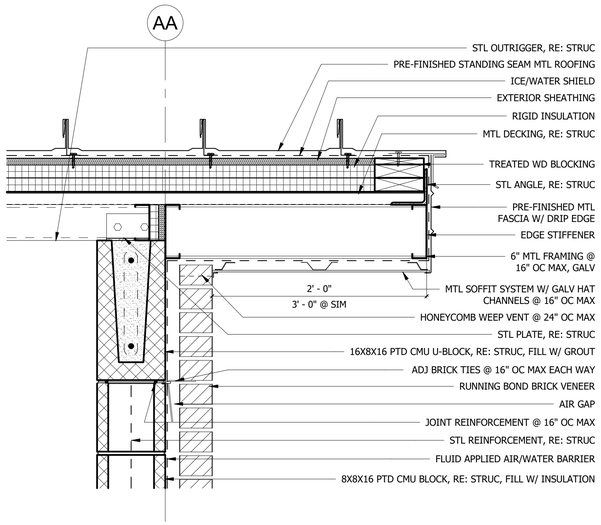

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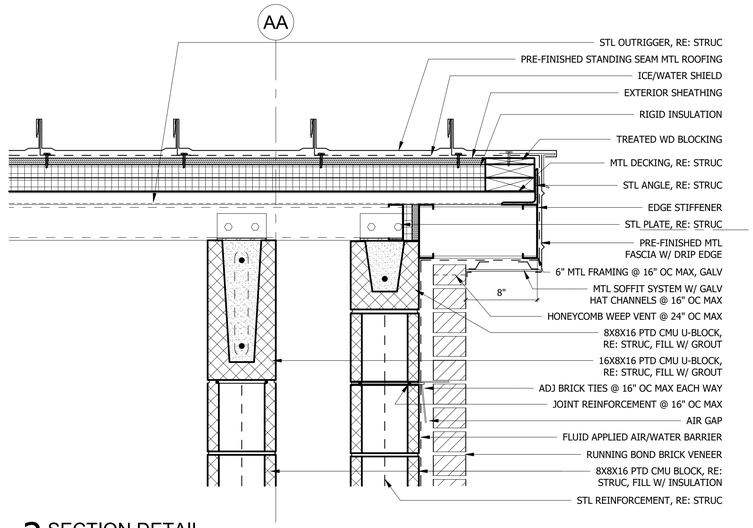

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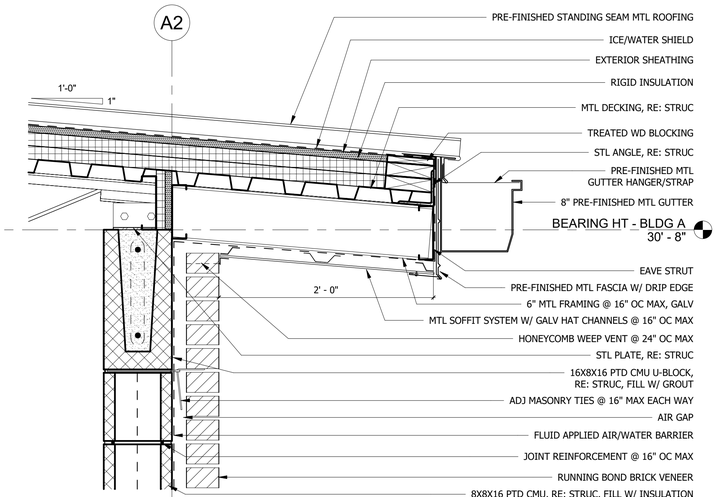

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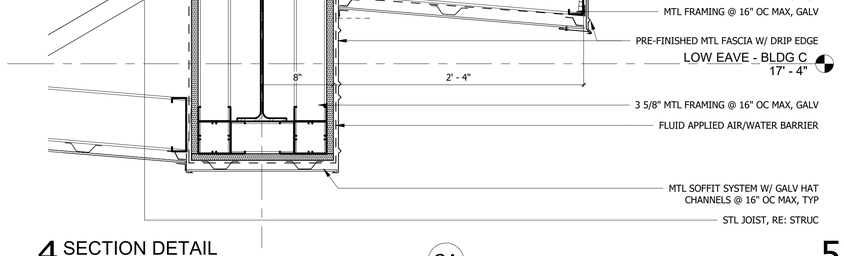

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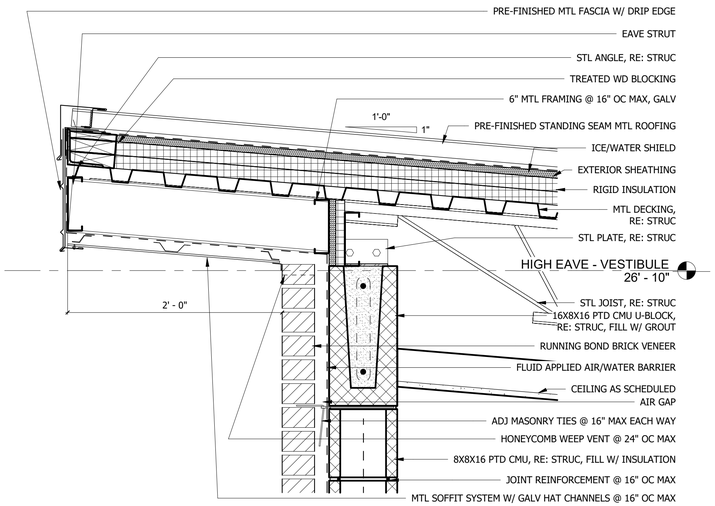

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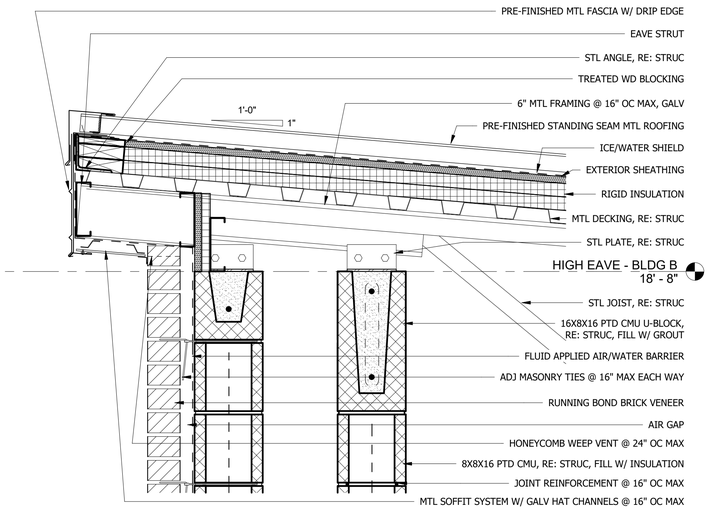

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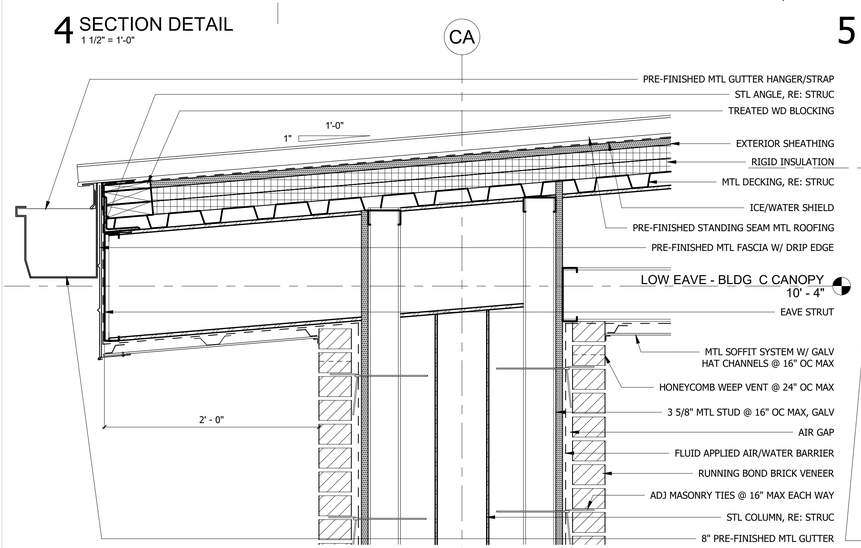

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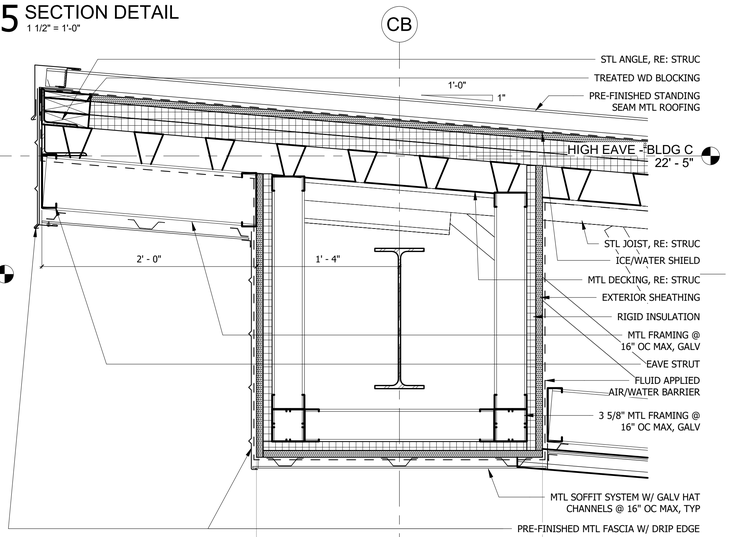

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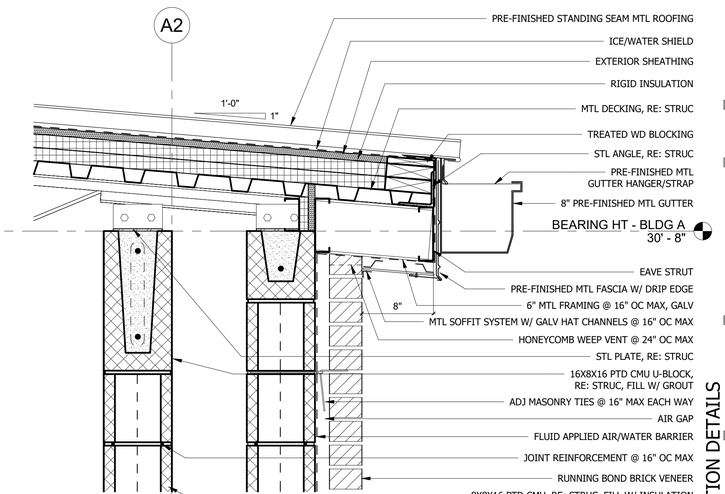

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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PROFESSIONAL OF RECORD

CHRISTOPHER P. [illegible]
NO. [illegible]
STATE OF LOUISIANA
REGISTERED ARCHITECT

DATE 10.19.26

REVISIONS

SECTION DETAILS

SHEET # A501

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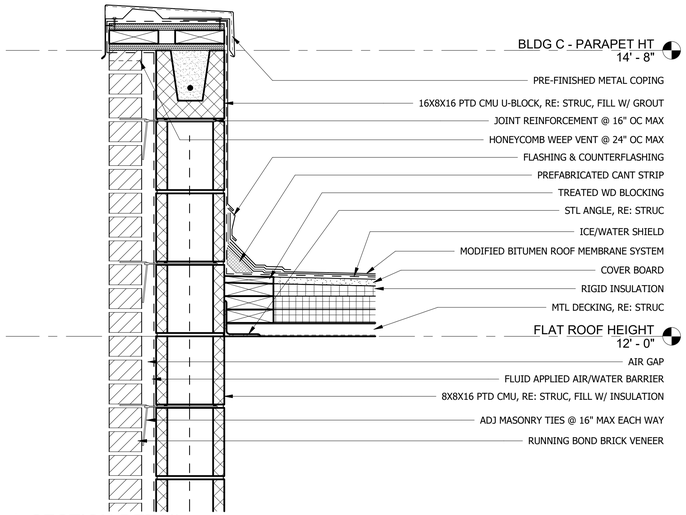

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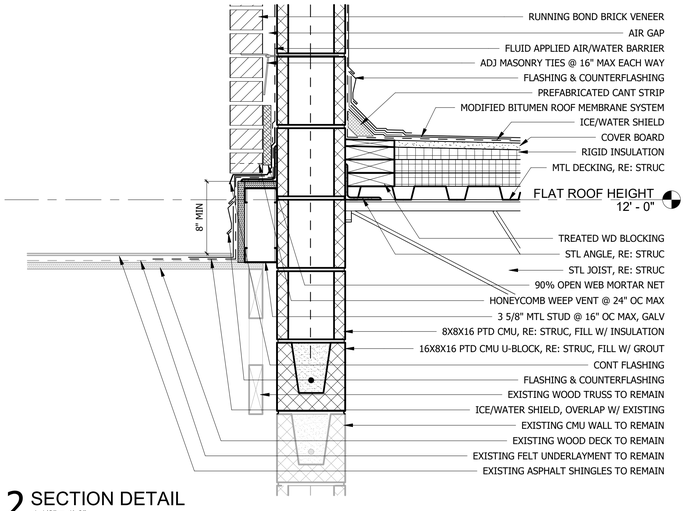

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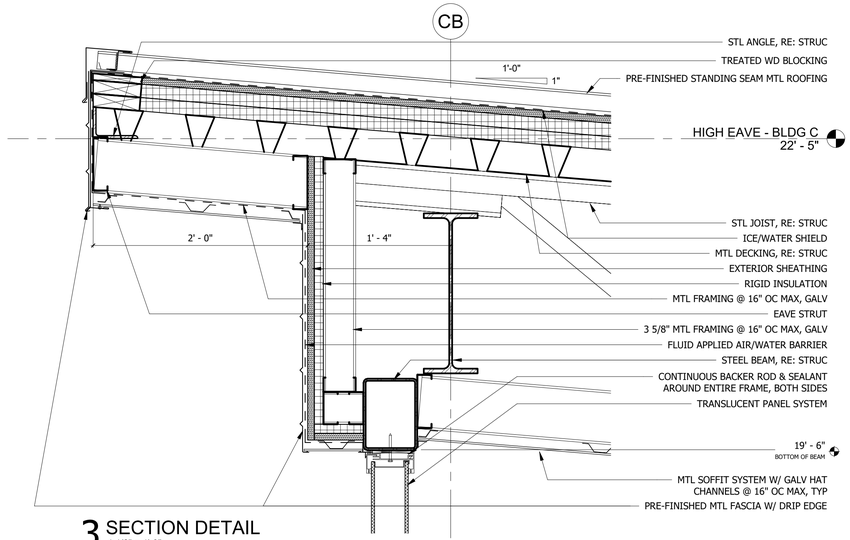

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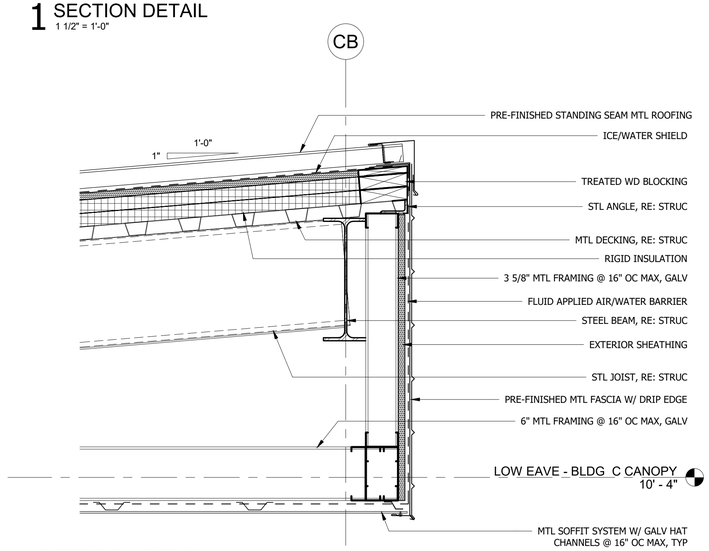

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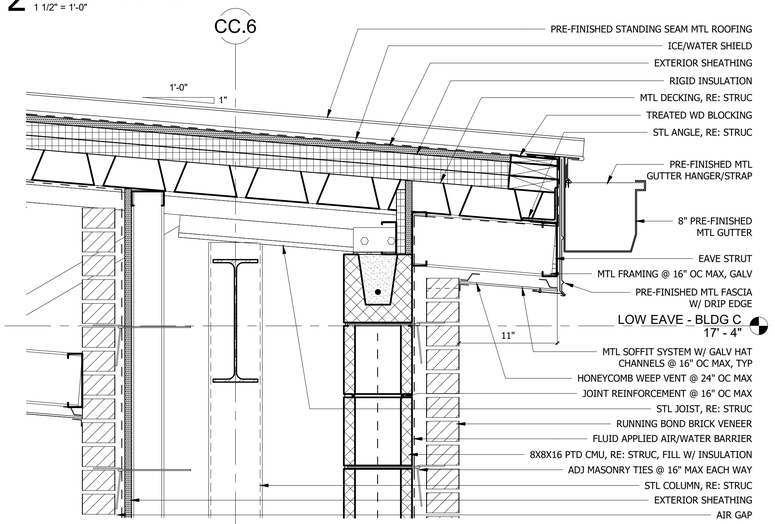

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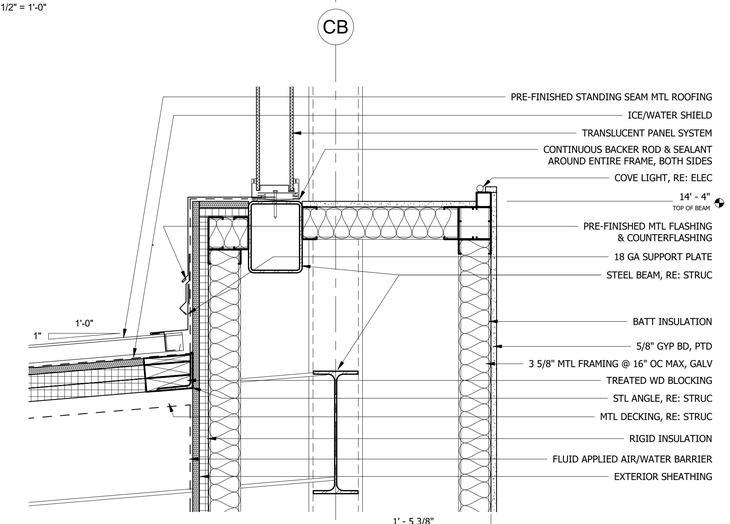

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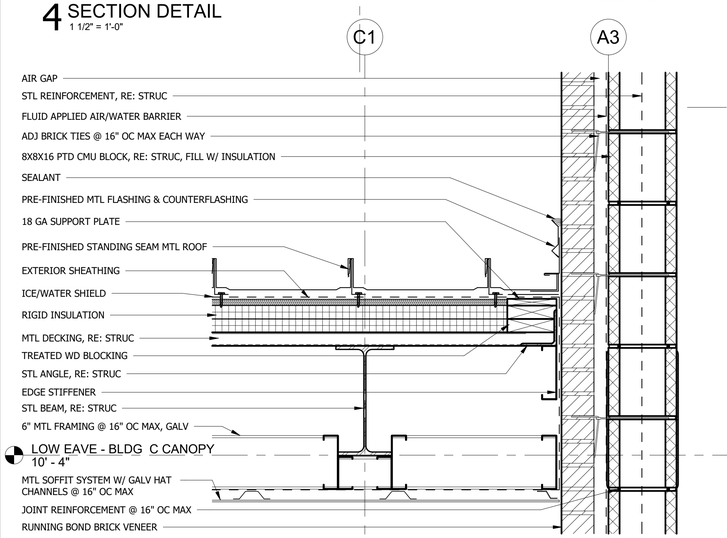

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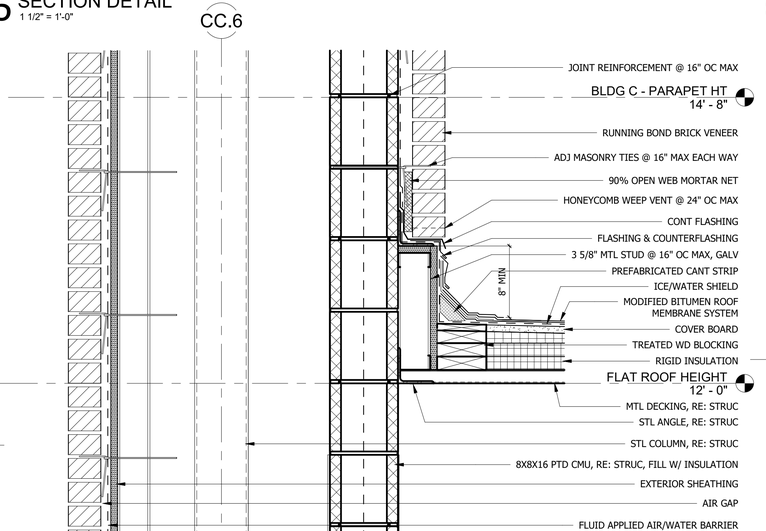

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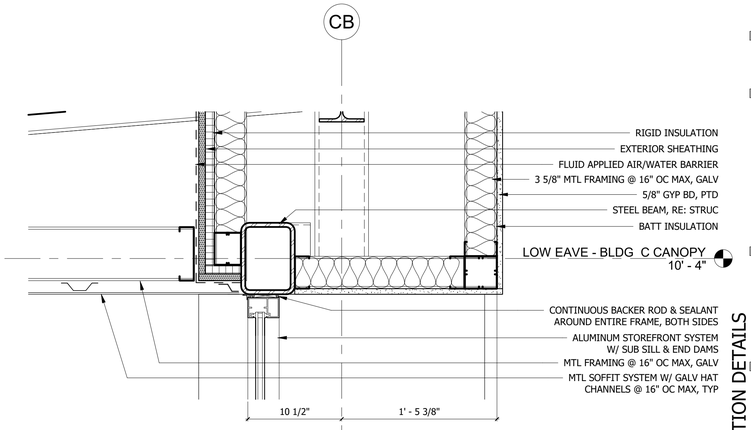

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PROJECT No. 2412

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. GASAWAY
NO. 37744
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

SECTION DETAILS

SHEET # A502

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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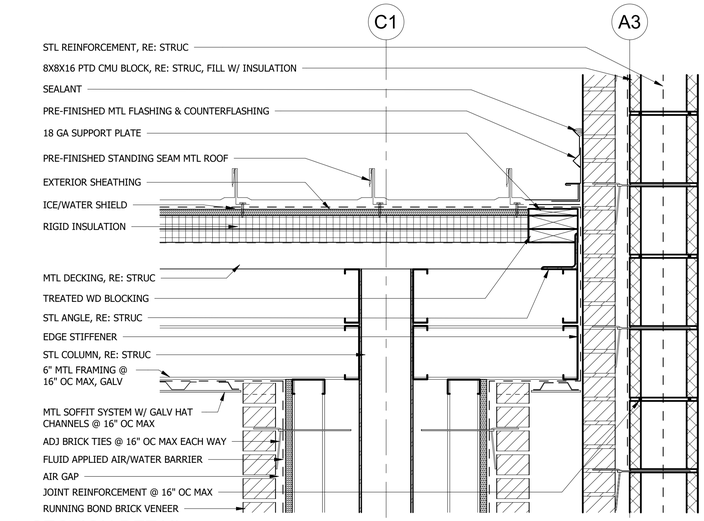
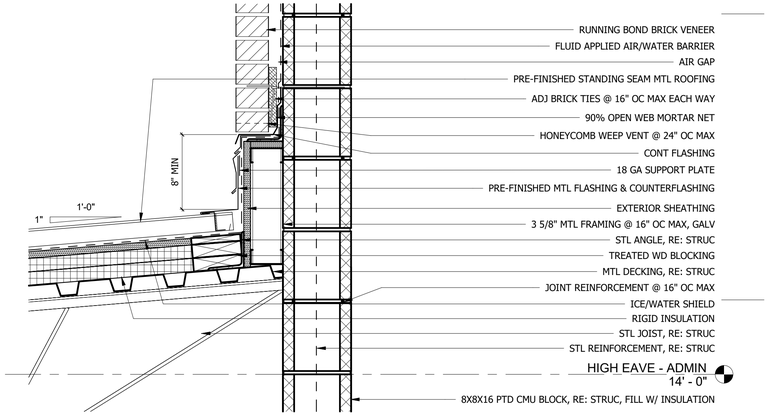


1 SECTION DETAIL
1 1/2" = 1'-0"



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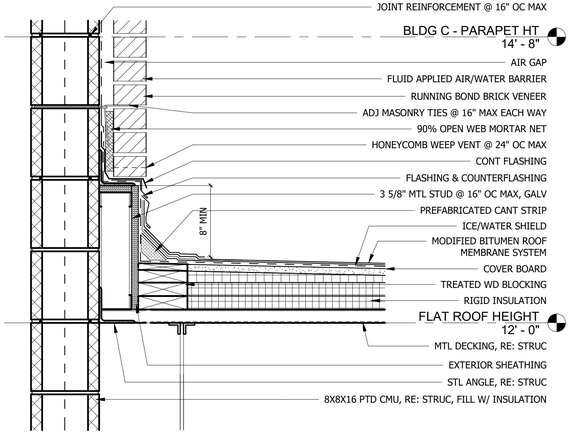

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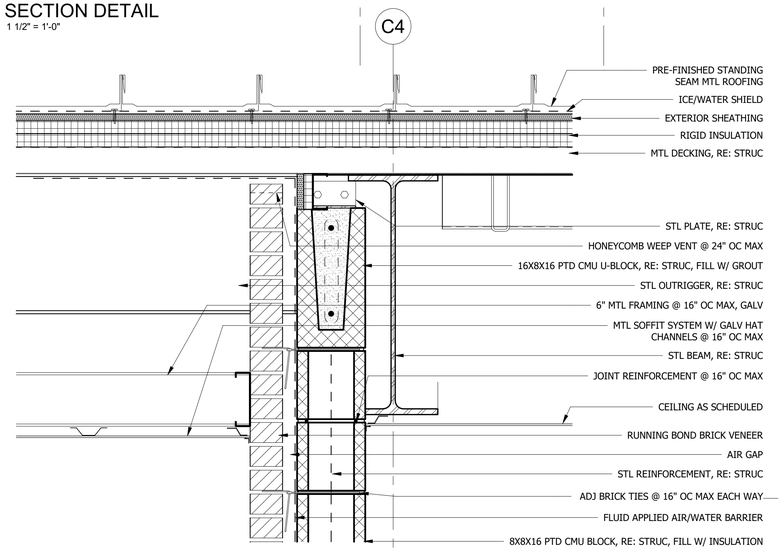

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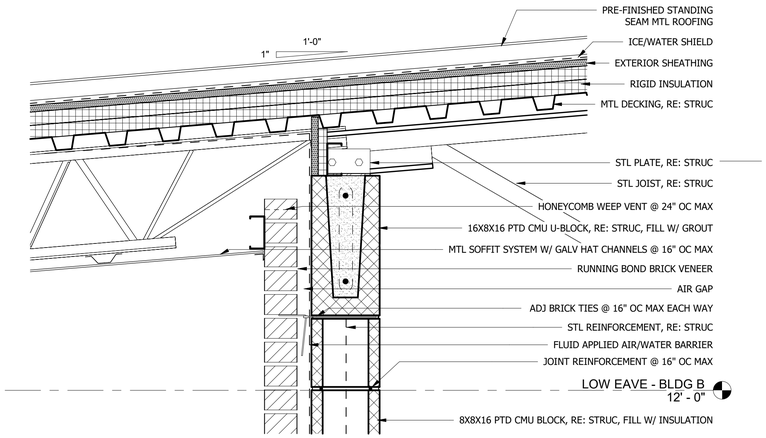

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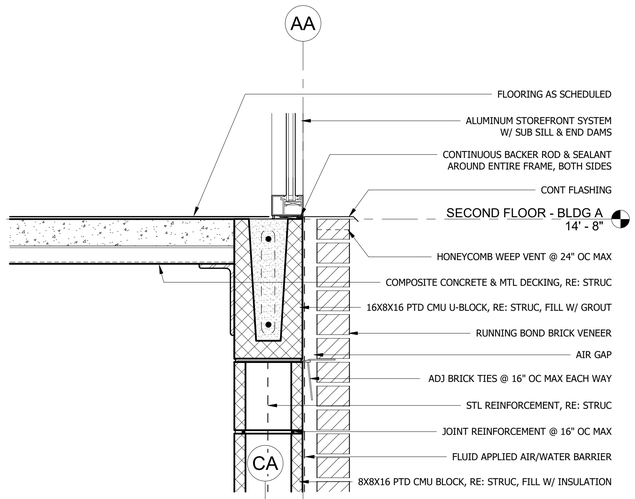

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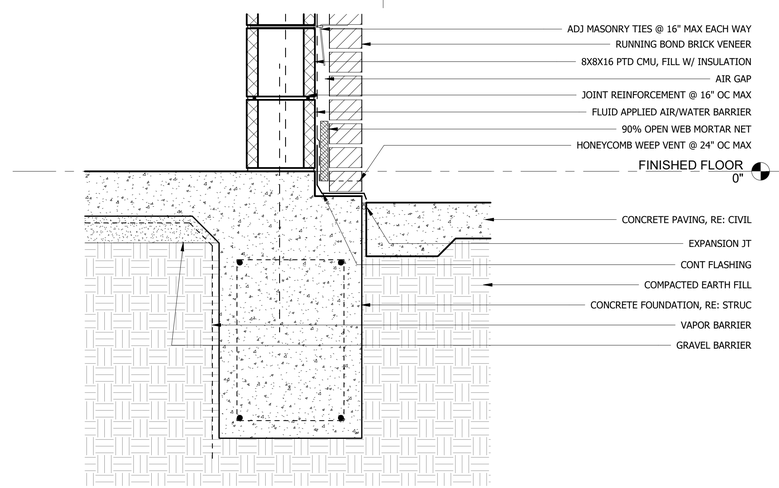

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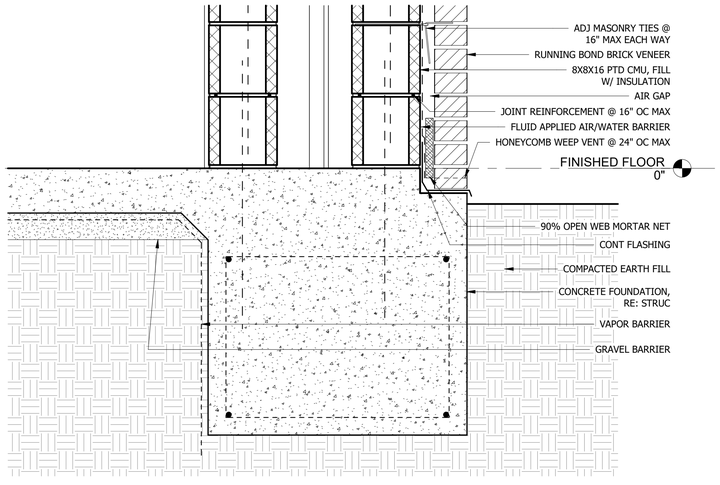

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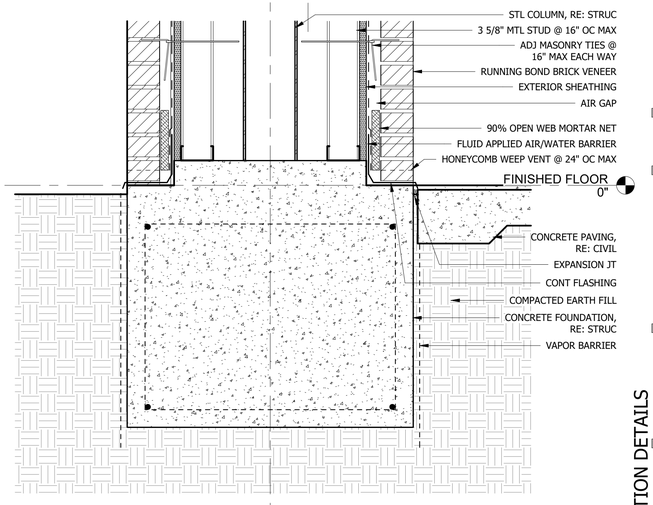

9 SECTION DETAIL
1 1/2" = 1'-0"

GASAWAY GASAWAY BANKSTON ARCHITECTS APAC
ggbarchitects.com
Andrew Gasaway, Jr., AIA
Bret Gasaway, AIA, NCARB
Chris Bankston, AIA, NCARB, LEED AP
1007 West Thomas St. Suite G, Hammond LA 70401 985.345.5047

PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE REPRODUCED, PUBLISHED, OR USED IN ANY WAY WITHOUT THE PERMISSION OF THE ARCHITECT.

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER D. BANKSTON
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

SECTION DETAILS

SHEET # A503

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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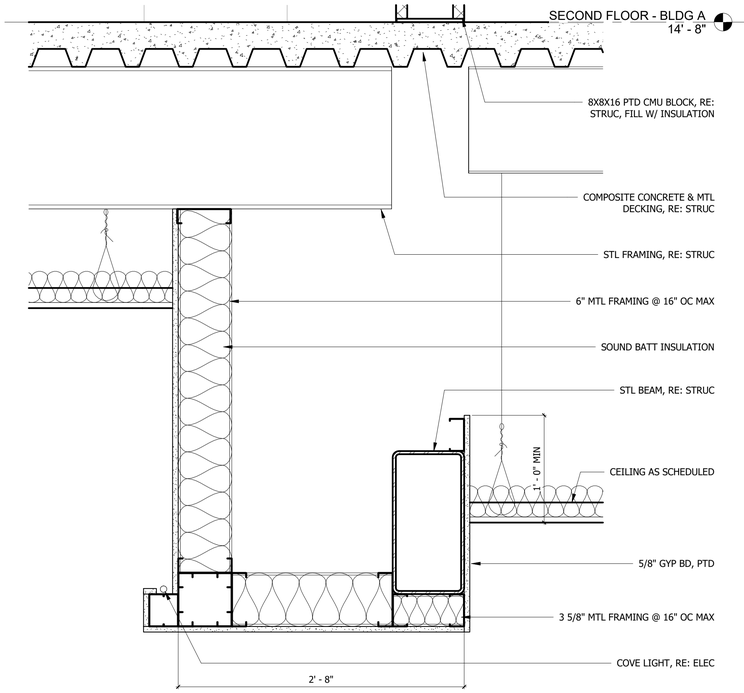

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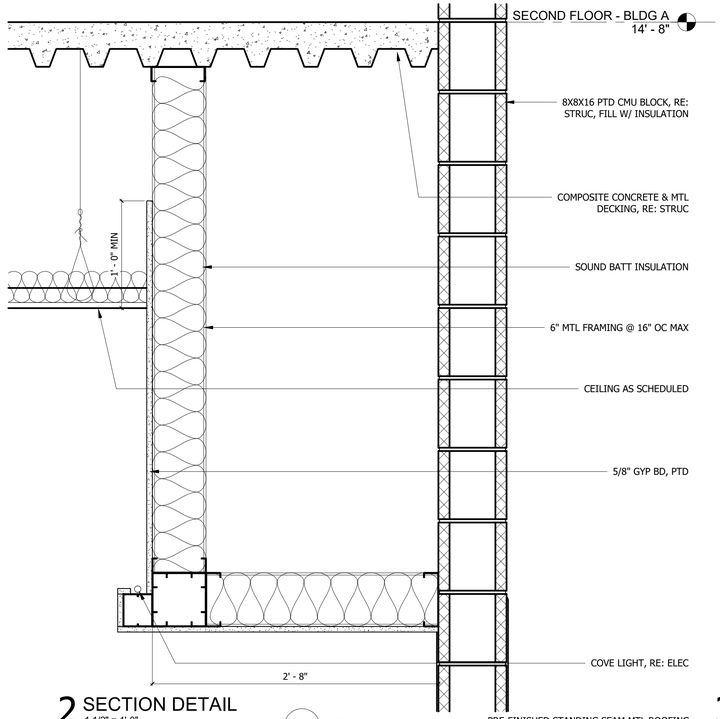

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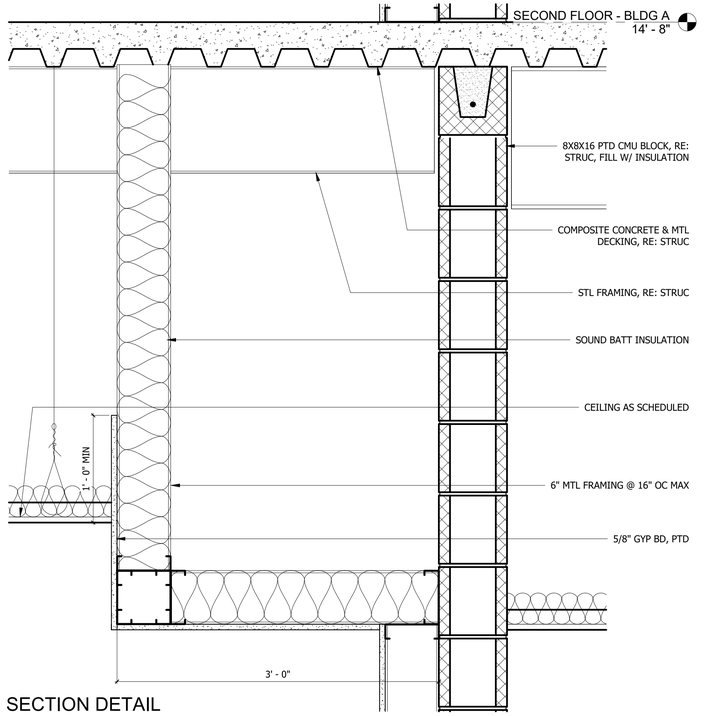

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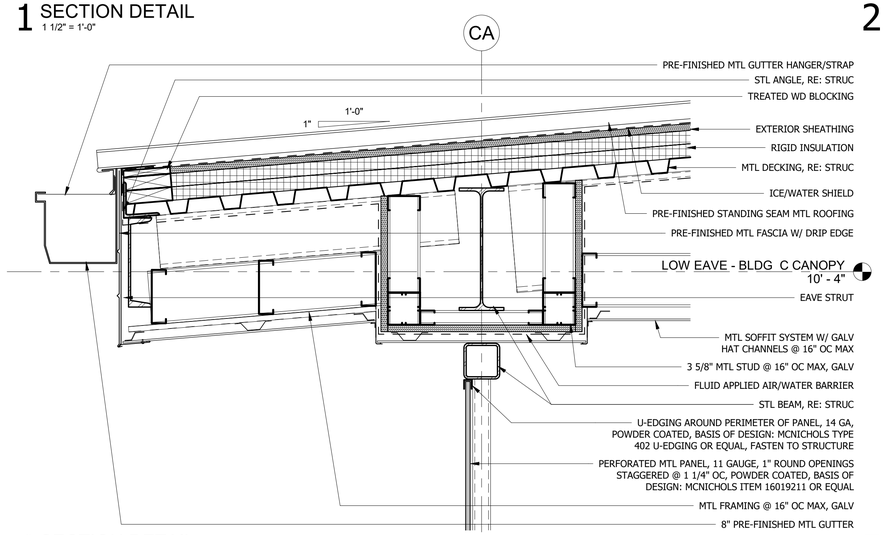

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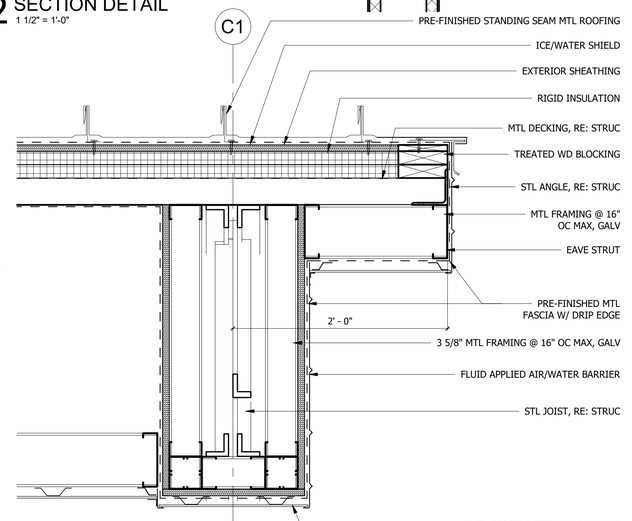

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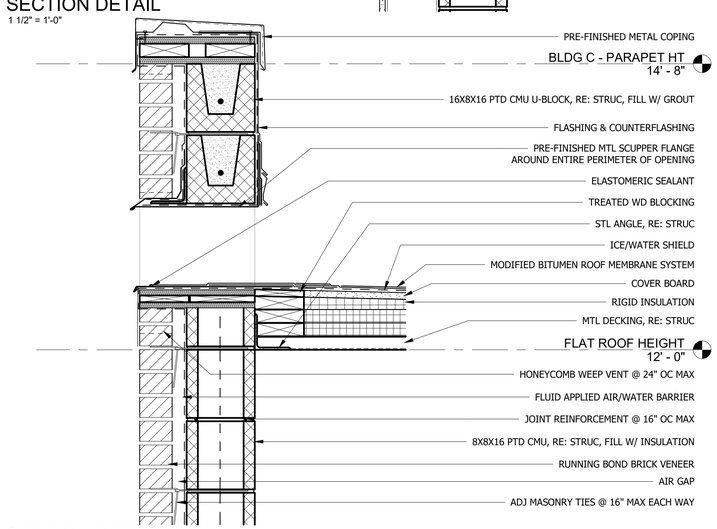

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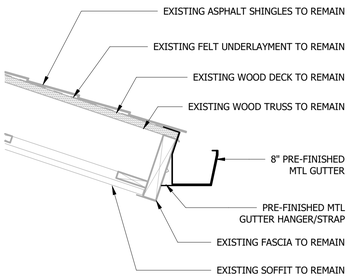

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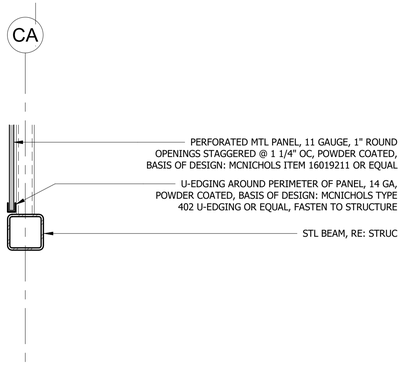

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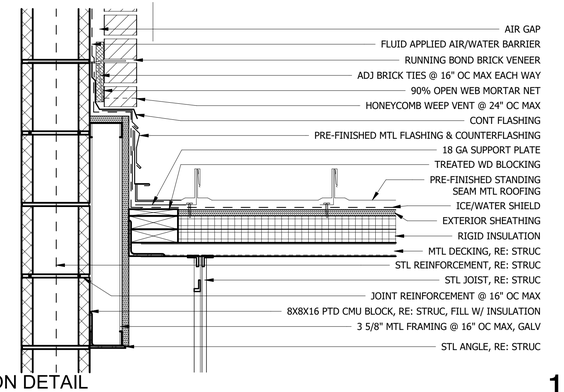

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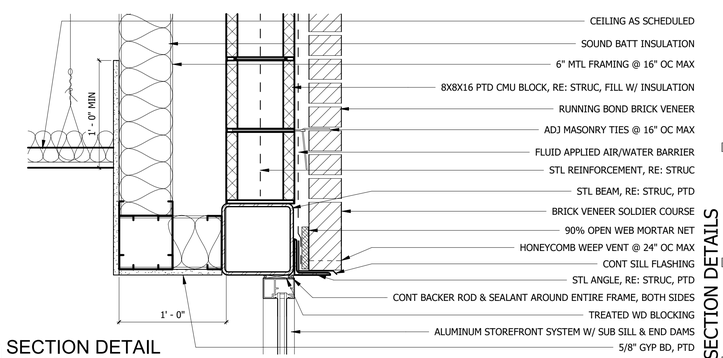

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. [illegible] NO. [illegible] STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

SECTION DETAILS

SHEET # A504

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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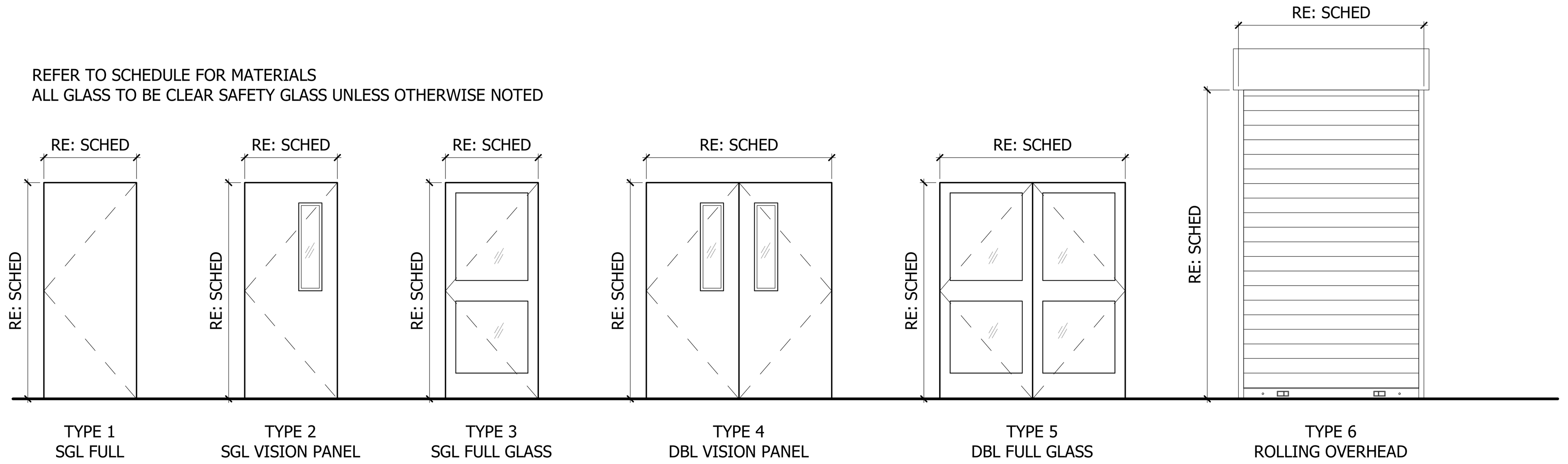
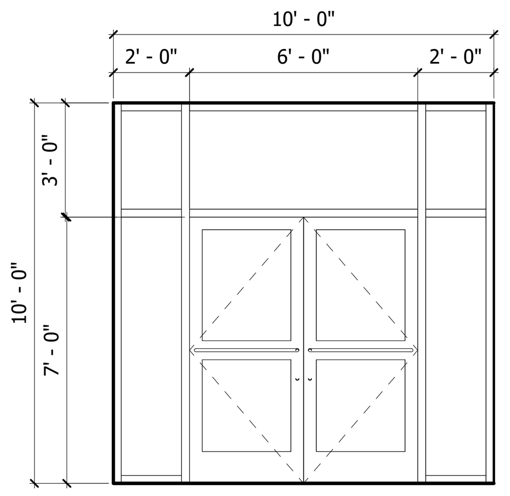
REFER TO SCHEDULE FOR MATERIALS
ALL GLASS TO BE CLEAR SAFETY GLASS UNLESS OTHERWISE NOTED



1 DOOR TYPES
1/4" = 1'-0"



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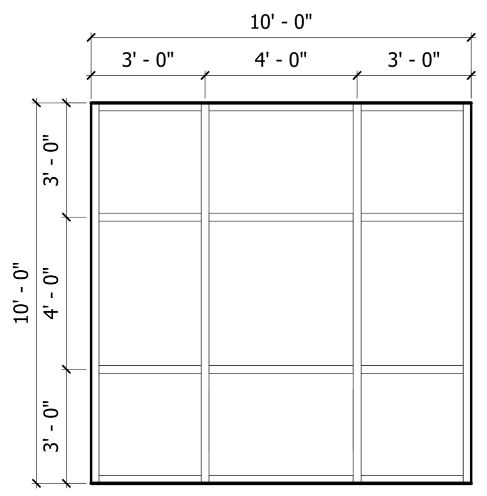
1/4" = 1'-0"



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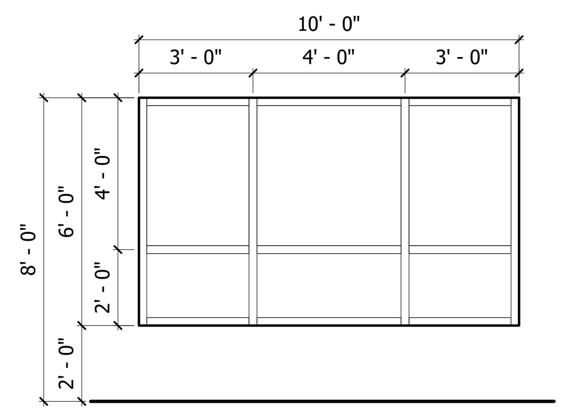

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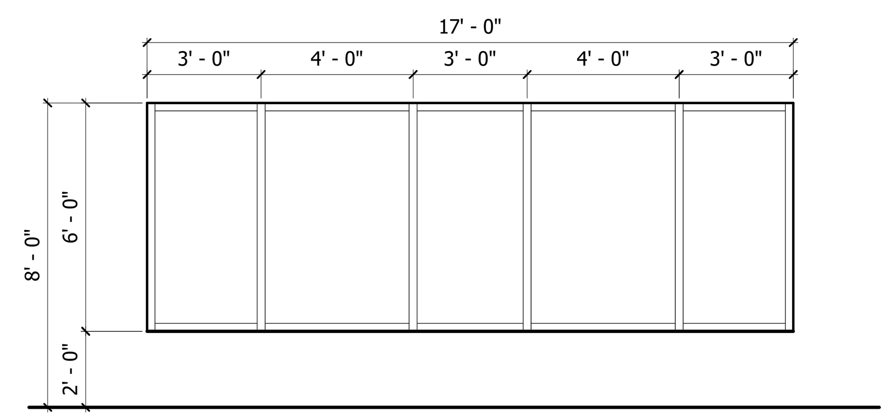

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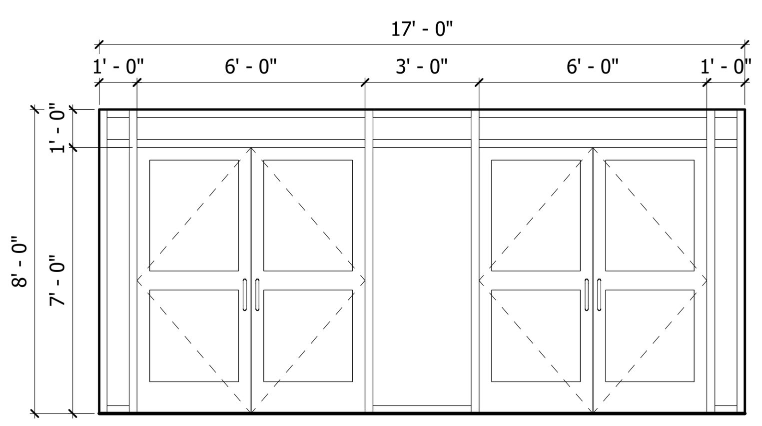

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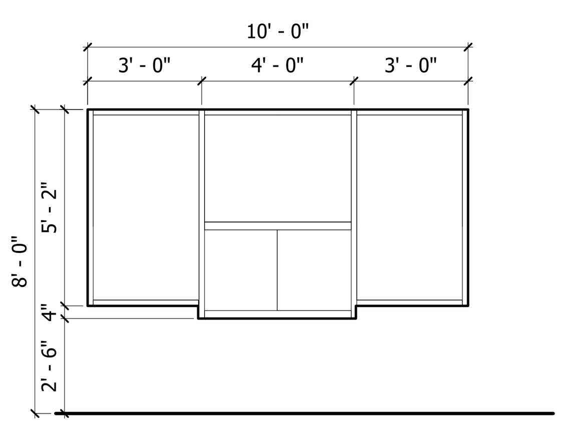

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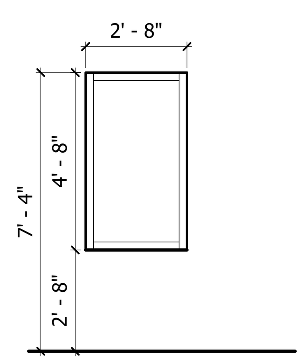

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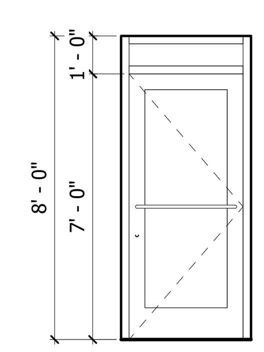
(FROSTED GLASS @ G1)



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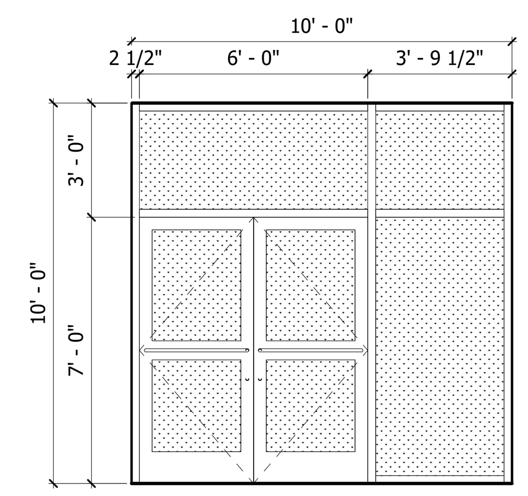

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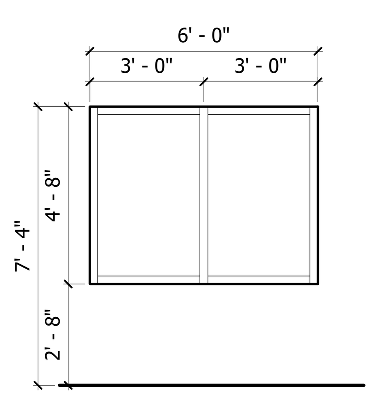

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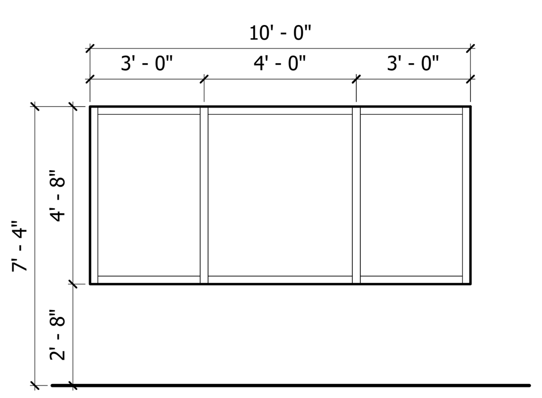

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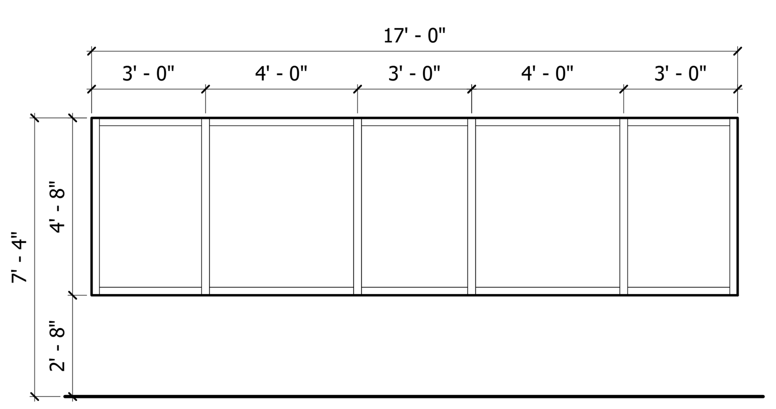

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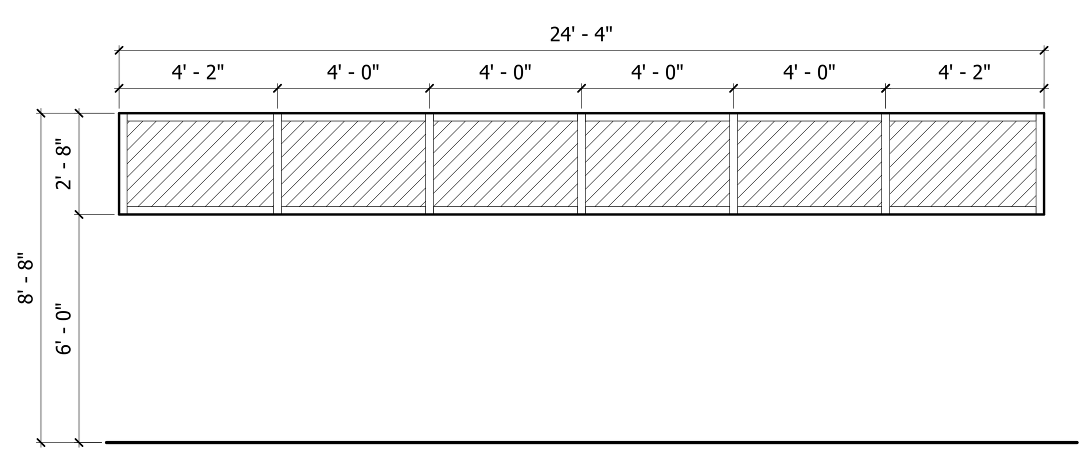

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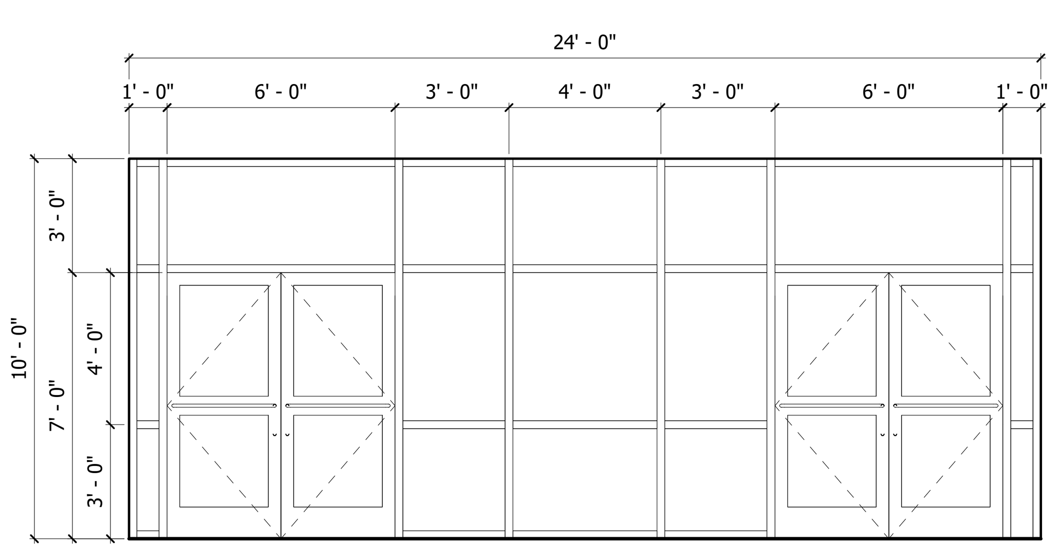

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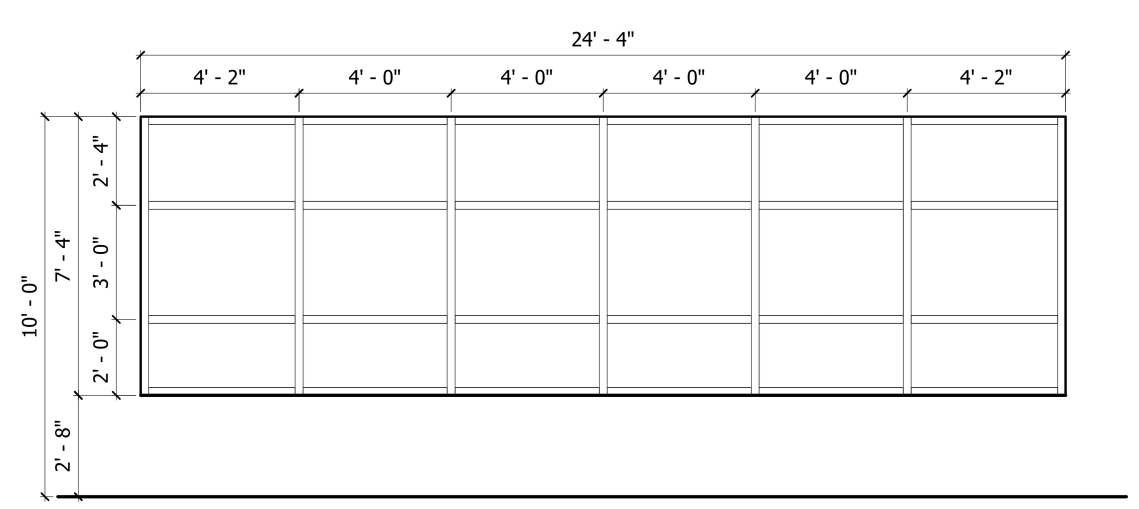

O WINDOW TYPE
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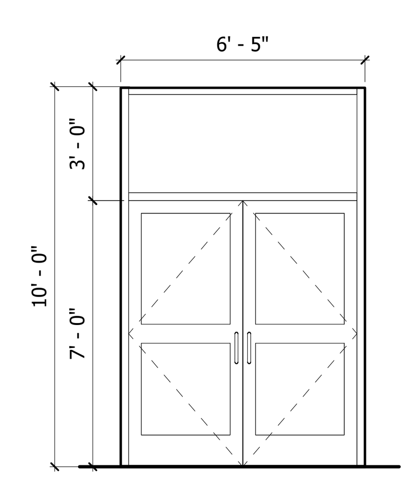

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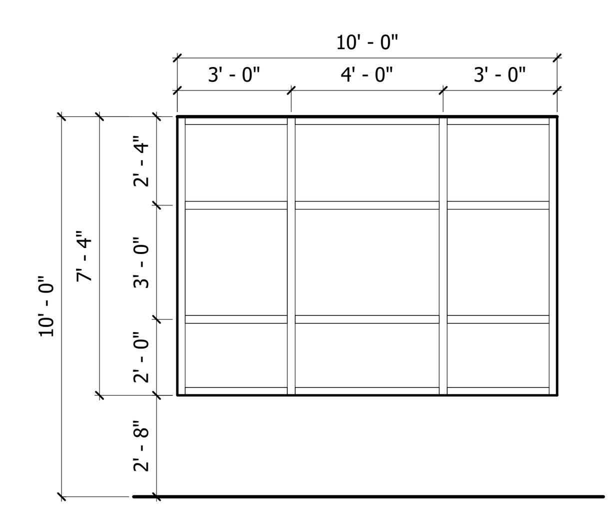

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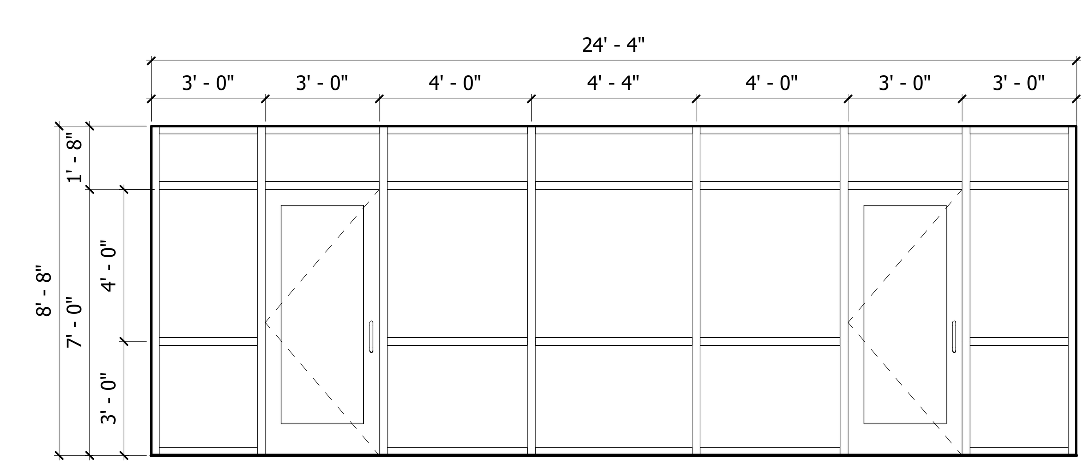

R WINDOW TYPE
1/4" = 1'-0"

STOREFRONT GLAZING LEGEND

- CLEAR GLASS (GL-1 @ INT, GL-3 @ EXT)
- 100% FROSTED GLASS (GL-2)
- FIRE RATED GLASS (GL-4)

NOTES:
- ALL HM FRAMES TO BE PAINTED.
- PROVIDE POWER TO ALL DOORS CALLED TO RECEIVE ACCESS CONTROL. COORDINATE LOCATIONS W/ OWNER PRIOR TO INSTALLATION.

DOOR SCHEDULE

MARK	LOCATION	TYPE	WIDTH	HEIGHT	MATL	FINISH	FRAME	EXT/INT	FIRE RATING	REMARKS
A01	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A01B	STORAGE	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A02	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A03	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A04	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A05	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A06	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A07	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A08	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A09	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A10	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A11	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A11A	STORAGE	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A12	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A13	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A14	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A15	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A16	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A17	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A18	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A19	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A20	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A100A	VESTIBULE	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	EXT		ACCESS CONTROL
A100B	VESTIBULE	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	EXT		ACCESS CONTROL
A100C	VESTIBULE	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	INT		ACCESS CONTROL
A100D	VESTIBULE	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	INT		ACCESS CONTROL
A101	VESTIBULE	3	3' - 0"	7' - 0"	ALUM	PREF	ALUM	INT		ACCESS CONTROL
A102	CORRIDOR	1	3' - 0"	7' - 0"	HM	PTD	HM	EXT		ACCESS CONTROL
A103	ADMIN 1	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A104	ADMIN 2	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A105A	CORRIDOR	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	EXT		ACCESS CONTROL
A105B	CORRIDOR	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	EXT		ACCESS CONTROL
A106	MECH	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A108	DATA	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		ACCESS CONTROL
A111	CUSTODIAN	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A112	TEAM TEACH	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A113	STAFF RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A114	SPRINKLER	1	3' - 0"	7' - 0"	HM	PTD	HM	EXT		
A115A	STAIRS	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	INT	60 MIN	
A115B	STAIRS	2	3' - 0"	7' - 0"	HM	PTD	HM	EXT		
A115C	STAIRS	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	INT	60 MIN	
A116	ELEC	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A116A	STORAGE	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A117A	STAIRS	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	INT	60 MIN	
A117B	STAIRS	2	3' - 0"	7' - 0"	HM	PTD	HM	EXT		
A117C	STAIRS	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	INT	60 MIN	
A118	ELEC	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A119	COUNSELOR	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A120	FILES	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A121	MECH	1	4' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A122	DATA	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		ACCESS CONTROL
A125	CUSTODIAN	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A126	TEAM TEACH	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
A127	STAFF RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B1	CUSTODIAN	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B01A	WELDING SHOP	4	6' - 0"	7' - 0"	HM	PTD	HM	EXT		ACCESS CONTROL
B01B	WELDING SHOP	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B01C	WELDING SHOP	6	10' - 0"	10' - 0"	STL	PREF	STL	EXT		
B2	CORRIDOR	5	6' - 0"	7' - 0"	ALUM	PREF	ALUM	EXT		ACCESS CONTROL
B02A	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B3	MENS RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B03	CLASSROOM	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B4	WOMENS RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B04A	CONSTRUCTION SHOP	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B04B	CONSTRUCTION SHOP	6	10' - 0"	10' - 0"	STL	PREF	STL	EXT		
B04C	CONSTRUCTION SHOP	4	6' - 0"	7' - 0"	HM	PTD	HM	EXT		ACCESS CONTROL
B5	DATA	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		ACCESS CONTROL
B6	SPRINKLER	1	3' - 0"	7' - 0"	HM	PTD	HM	EXT		
B7	AIR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B8	WELDING SHOP STORAGE	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
B9	CONSTRUCTION SHOP STORAGE	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C01A	CAFETERIA	5	6' - 0"	7' - 0"	ALUM	PREF	HM	INT		
C01B	CAFETERIA	5	6' - 0"	7' - 0"	ALUM	PREF	HM	EXT		
C01C	CAFETERIA	5	6' - 0"	7' - 0"	ALUM	PREF	HM	EXT		
C01D	CAFETERIA	5	6' - 0"	7' - 0"	ALUM	PREF	HM	EXT		
C02A	SERVING	3	3' - 0"	7' - 0"	ALUM	PREF	ALUM	INT		
C02B	SERVING	3	3' - 0"	7' - 0"	ALUM	PREF	ALUM	INT		
C02C	SERVING	3	3' - 0"	7' - 0"	ALUM	PREF	ALUM	INT		
C02D	SERVING	3	3' - 0"	7' - 0"	ALUM	PREF	ALUM	INT		
C04	MANAGER'S OFFICE	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C100	MENS RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C101	WOMENS RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C102	MENS RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	EXT		
C103	WOMENS RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	EXT		
C104	NON-FOOD STORAGE	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C105	RECEIVING	4	6' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C106	JANITOR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C107	LAUNDRY	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C108	TEAM TEACH	2	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C110	MECH	1	4' - 0"	7' - 0"	HM	PTD	HM	EXT		
C111	DRY FOOD STORAGE	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C112	ELEC	1	3' - 0"	7' - 0"	HM	PTD	HM	EXT		ACCESS CONTROL
C113	STAFF RR	1	3' - 0"	7' - 0"	SCWD	PTD	HM	INT		
C115	RECEIVING	4	6' - 0"	7' - 0"	HM	PTD	HM	EXT		ACCESS CONTROL

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

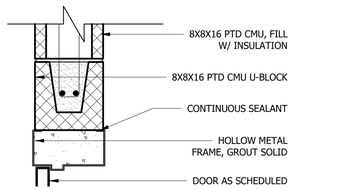
DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. BANKSTON No. 5945 STATE OF LOUISIANA REGISTERED ARCHITECT

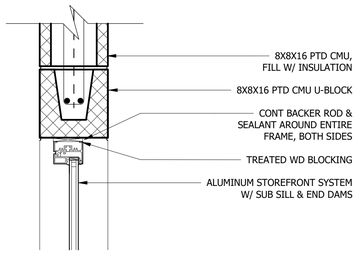
REVISIONS

OPENING SCHEDULE & ELEVS

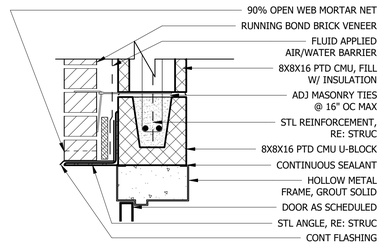
SHEET # A600



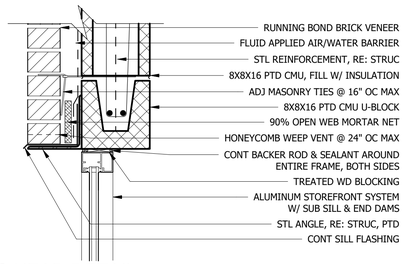
1 HEAD DETAIL
1 1/2" = 1'-0"



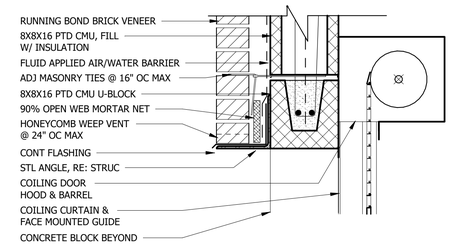
2 HEAD DETAIL
1 1/2" = 1'-0"



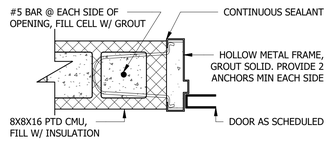
3 HEAD DETAIL
1 1/2" = 1'-0"



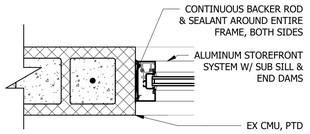
4 HEAD DETAIL
1 1/2" = 1'-0"



5 HEAD DETAIL
1 1/2" = 1'-0"



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



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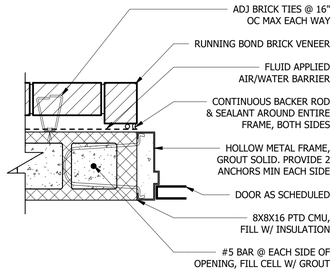
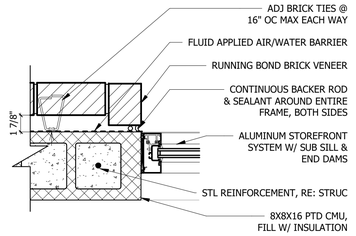
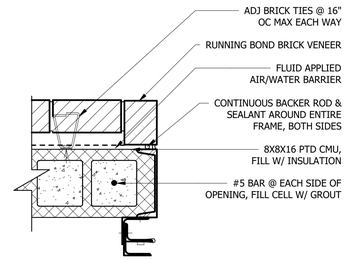


8 JAMB DETAIL
1 1/2" = 1'-0"



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



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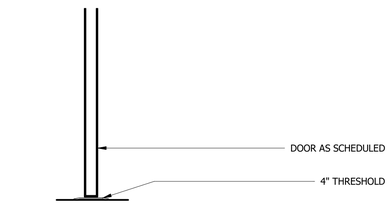
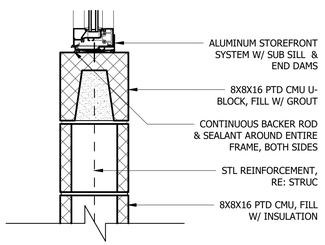
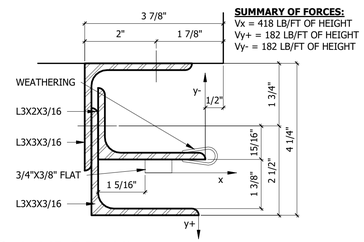
1 1/2" = 1'-0"



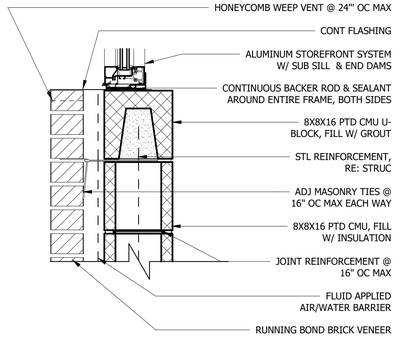
11 THRESHOLD DETAIL
1 1/2" = 1'-0"



12 SILL DETAIL
1 1/2" = 1'-0"



13 JAMB DETAIL
6" = 1'-0"



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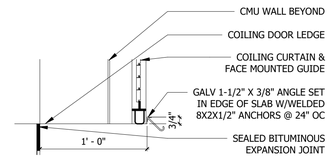
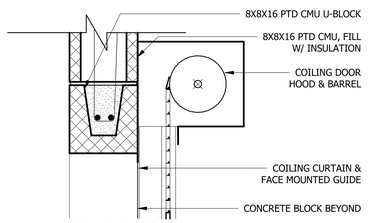
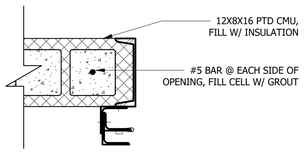
1 1/2" = 1'-0"



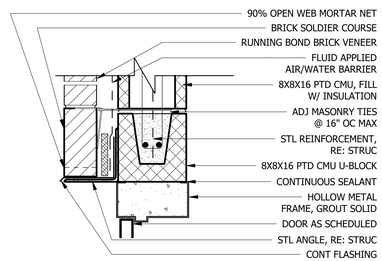
15 SILL DETAIL
1 1/2" = 1'-0"



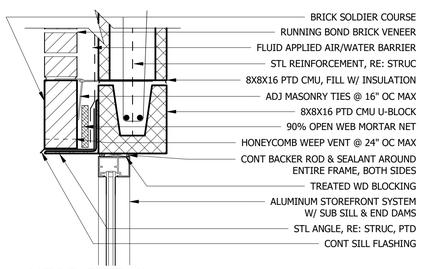
16 HEAD DETAIL
1 1/2" = 1'-0"



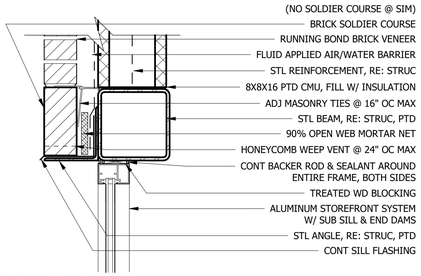
17 JAMB DETAIL
1 1/2" = 1'-0"



18 HEAD DETAIL
1 1/2" = 1'-0"



19 HEAD DETAIL
1 1/2" = 1'-0"



20 HEAD DETAIL
1 1/2" = 1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

OPENING DTLS

REVISIONS

DATE 10.19.26

PROFESSIONAL OF RECORD

CARY THOMPSON PARKER
NO. 39063
STATE OF LOUISIANA
REGISTERED ARCHITECT

SHEET # A601

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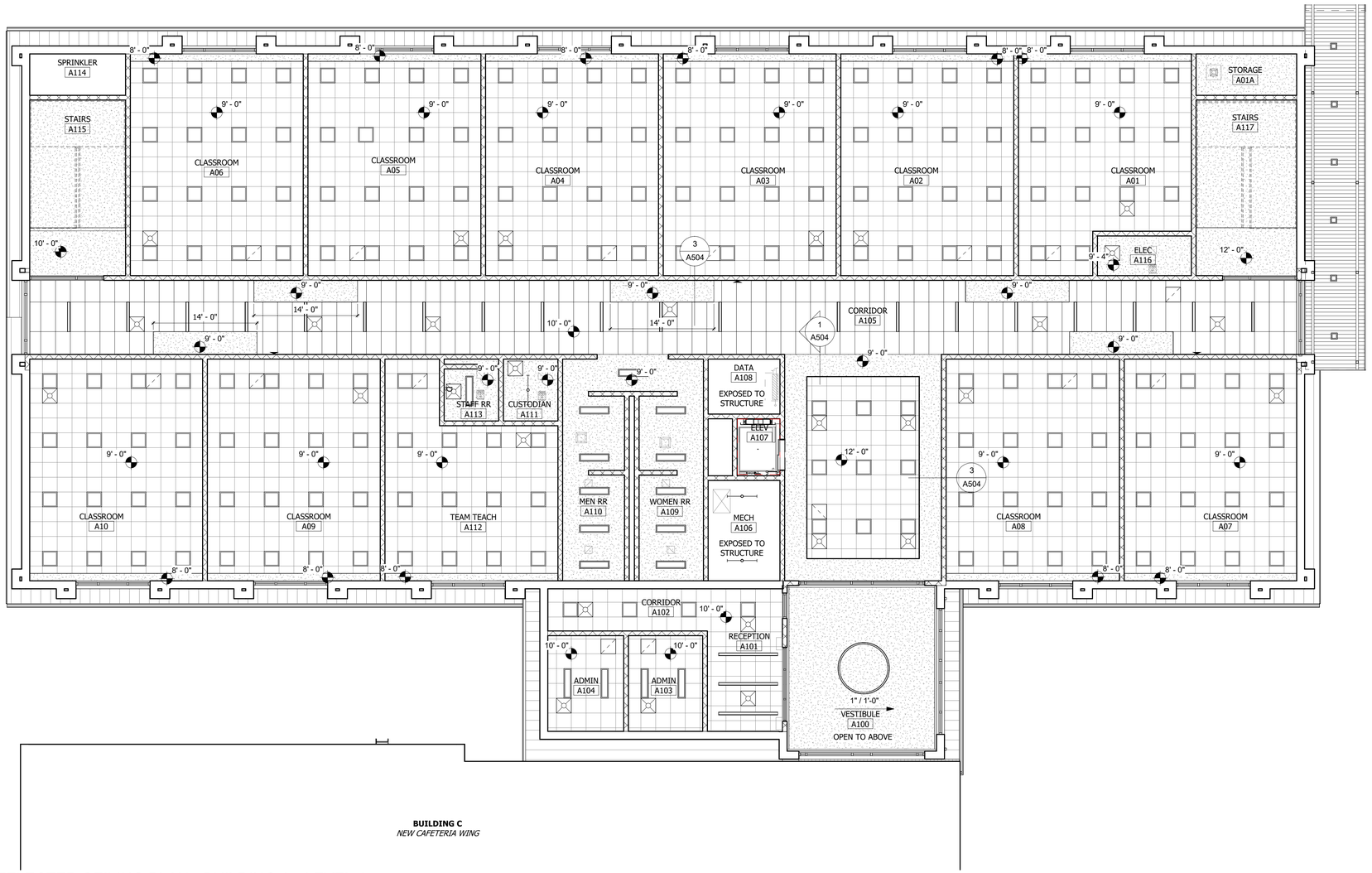
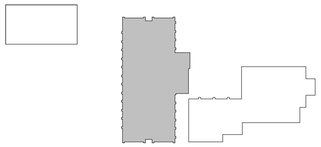


1 REFLECTED CEILING PLAN - BUILDING A - LEVEL 1
1/8" = 1'-0"


KEY PLAN

CEILING LEGEND

- X'-X" CEILING HEIGHT
- 5/8" GYP BD, PTD
- 2X2 ACOUSTICAL CEILING TILE SYSTEM
- LINEAR METAL, COLOR 1
- LINEAR METAL, COLOR 2
- LINEAR METAL, COLOR 3
- MTL SOFFIT SYSTEM
- DIFFUSER, RE: MECH
- RETURN OR EXHAUST GRILLE, RE: MECH
- 2x2 ACCESS PANEL
- RECESSED LED FIXTURE, RE: ELEC
- RECESSED LED CAN LIGHT, RE: ELEC
- 1X4 SURFACE MOUNTED FIXTURE, RE: ELEC
- EMERGENCY LIGHTING, RE: ELEC

NOTES:

1. CONTRACTOR TO PROVIDE & INSTALL HAT CHANNEL FRAMING & MISCELLANEOUS METAL OR WOOD FRAMING AS REQUIRED TO ATTACH GYP BD OR SOFFIT
2. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR COORDINATION, LOCATIONS, TYPES, & FURTHER INFORMATION OF MECHANICAL & ELECTRICAL ITEMS
3. ARCHITECTURAL REFLECTED CEILING PLANS SHOW DESIRED PLACEMENT OF MECHANICAL & ELECTRICAL ITEMS. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL TYPES & INFORMATION
4. CONSULT W/ OWNER FOR SWITCHING & OUTLET LOCATIONS & REQUIREMENTS
5. ALL EXTERIOR LIGHTS TO BE PHOTO CELL & TIMER CONTROLLED
6. PROVIDE BATT INSULATION @ ALL NEW & EXISTING CEILINGS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. BANKSTON 35202 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

SHEET # A700

REFLECTED CEILING PLAN - BUILDING A - LEVEL 1

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
10/15/2026 3:56:02 PM

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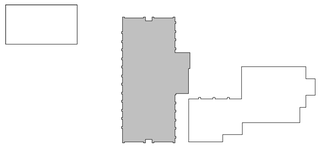
1 REFLECTED CEILING PLAN - CLASSROOM - LEVEL 2
1/8" = 1'-0"



KEY PLAN

CEILING LEGEND

- X'-X" CEILING HEIGHT
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- LINEAR METAL, COLOR 2
- LINEAR METAL, COLOR 3
- MTL SOFFIT SYSTEM
- DIFFUSER, RE: MECH
- RETURN OR EXHAUST GRILLE, RE: MECH
- 2x2 ACCESS PANEL
- RECESSED LED FIXTURE, RE: ELEC
- RECESSED LED CAN LIGHT, RE: ELEC
- 1X4 SURFACE MOUNTED FIXTURE, RE: ELEC
- EMERGENCY LIGHTING, RE: ELEC

NOTES:

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

REFLECTED CEILING PLAN - BUILDING A - LEVEL 2

DATE 10.19.26

PROFESSIONAL OF RECORD

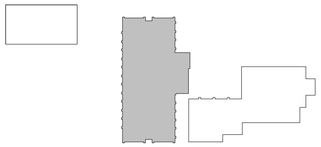
CHRISTOPHER P. BANKSTON
NO. 33626
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

SHEET # A701

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
10/15/2026 3:56:04 PM

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



KEY PLAN

CEILING LEGEND

- X'-X" CEILING HEIGHT
- 5/8" GYP BD, PTD
- 2X2 ACOUSTICAL CEILING TILE SYSTEM
- LINEAR METAL, COLOR 1
- LINEAR METAL, COLOR 2
- LINEAR METAL, COLOR 3
- MTL SOFFIT SYSTEM
- DIFFUSER, RE: MECH
- RETURN OR EXHAUST GRILLE, RE: MECH
- 2x2 ACCESS PANEL
- RECESSED LED FIXTURE, RE: ELEC
- RECESSED LED CAN LIGHT, RE: ELEC
- 1X4 SURFACE MOUNTED FIXTURE, RE: ELEC
- EMERGENCY LIGHTING, RE: ELEC

NOTES:

1. CONTRACTOR TO PROVIDE & INSTALL HAT CHANNEL FRAMING & MISCELLANEOUS METAL OR WOOD FRAMING AS REQUIRED TO ATTACH GYP BD OR SOFFIT
2. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR COORDINATION, LOCATIONS, TYPES, & FURTHER INFORMATION OF MECHANICAL & ELECTRICAL ITEMS
3. ARCHITECTURAL REFLECTED CEILING PLANS SHOW DESIRED PLACEMENT OF MECHANICAL & ELECTRICAL ITEMS. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL TYPES & INFORMATION
4. CONSULT W/ OWNER FOR SWITCHING & OUTLET LOCATIONS & REQUIREMENTS
5. ALL EXTERIOR LIGHTS TO BE PHOTO CELL & TIMER CONTROLLED
6. PROVIDE BATT INSULATION @ ALL NEW & EXISTING CEILINGS

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

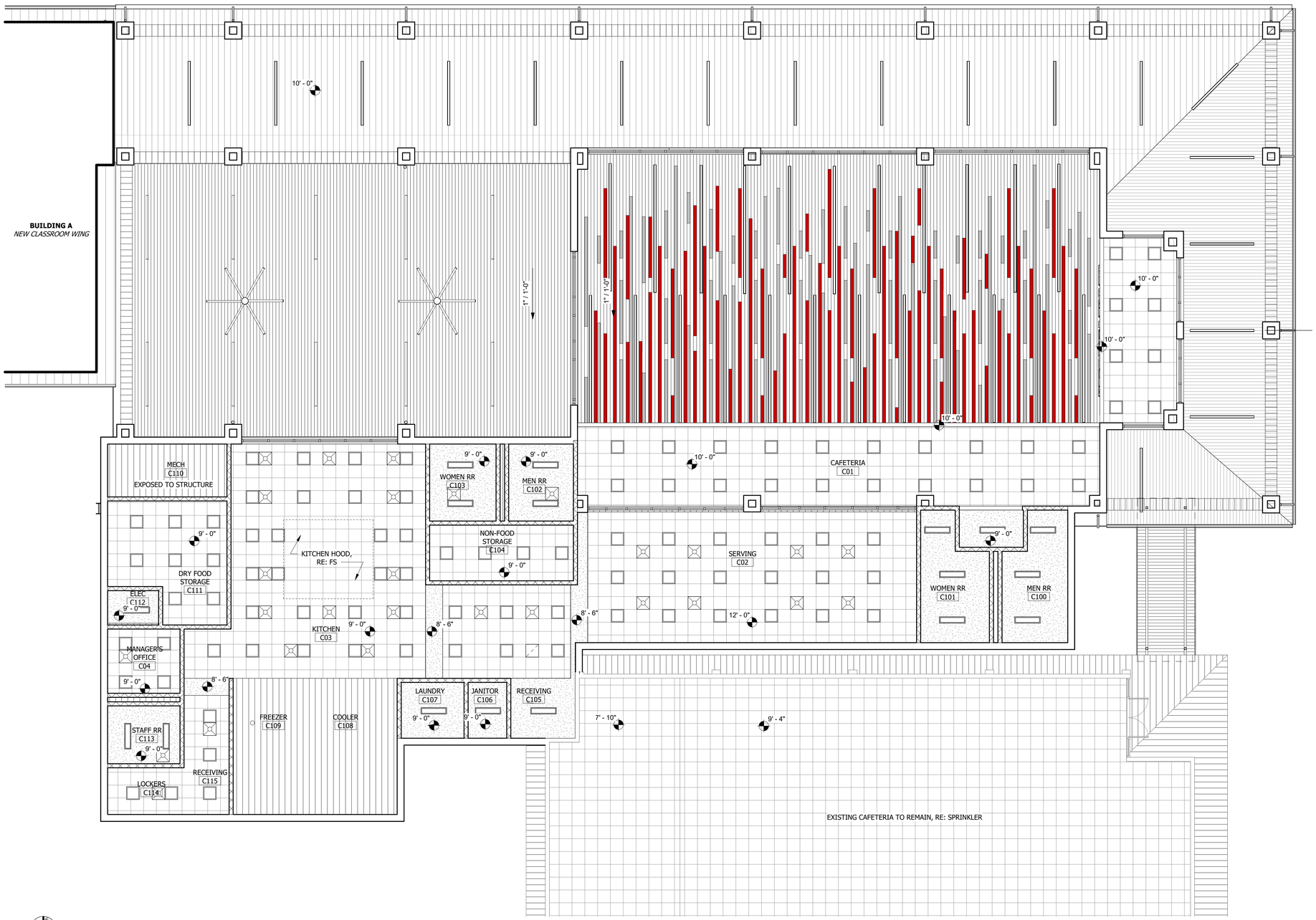
CHRISTOPHER T. [illegible] NO. [illegible] STATE OF LOUISIANA REGISTERED ARCHITECT

PROFESSIONAL OF RECORD

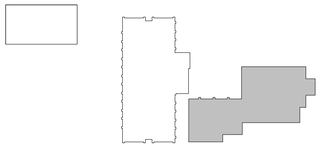
REVISIONS

REFLECTED CEILING PLAN - BUILDING B

SHEET # A702



1 REFLECTED CEILING PLAN - BUILDING C
1/8" = 1'-0"



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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD

CHRISTOPHER P. BANKSTON NO. 34,744 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

REFLECTED CEILING PLAN - BUILDING C

SHEET # A703

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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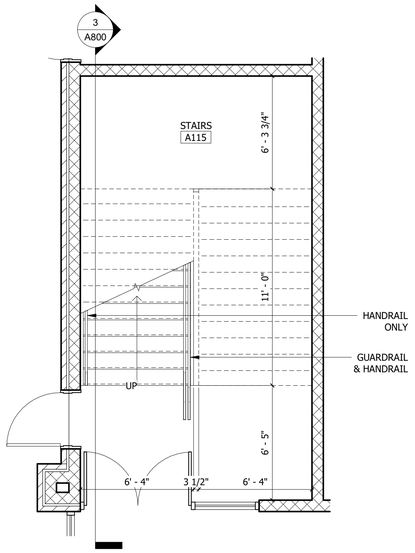
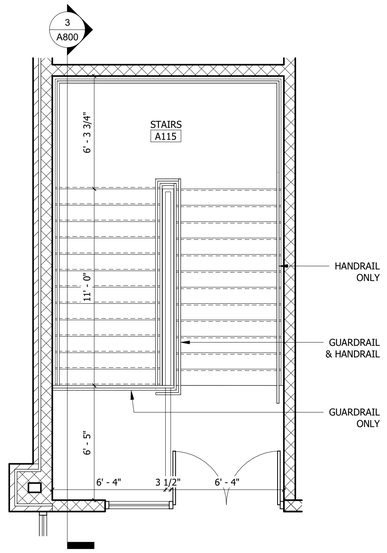
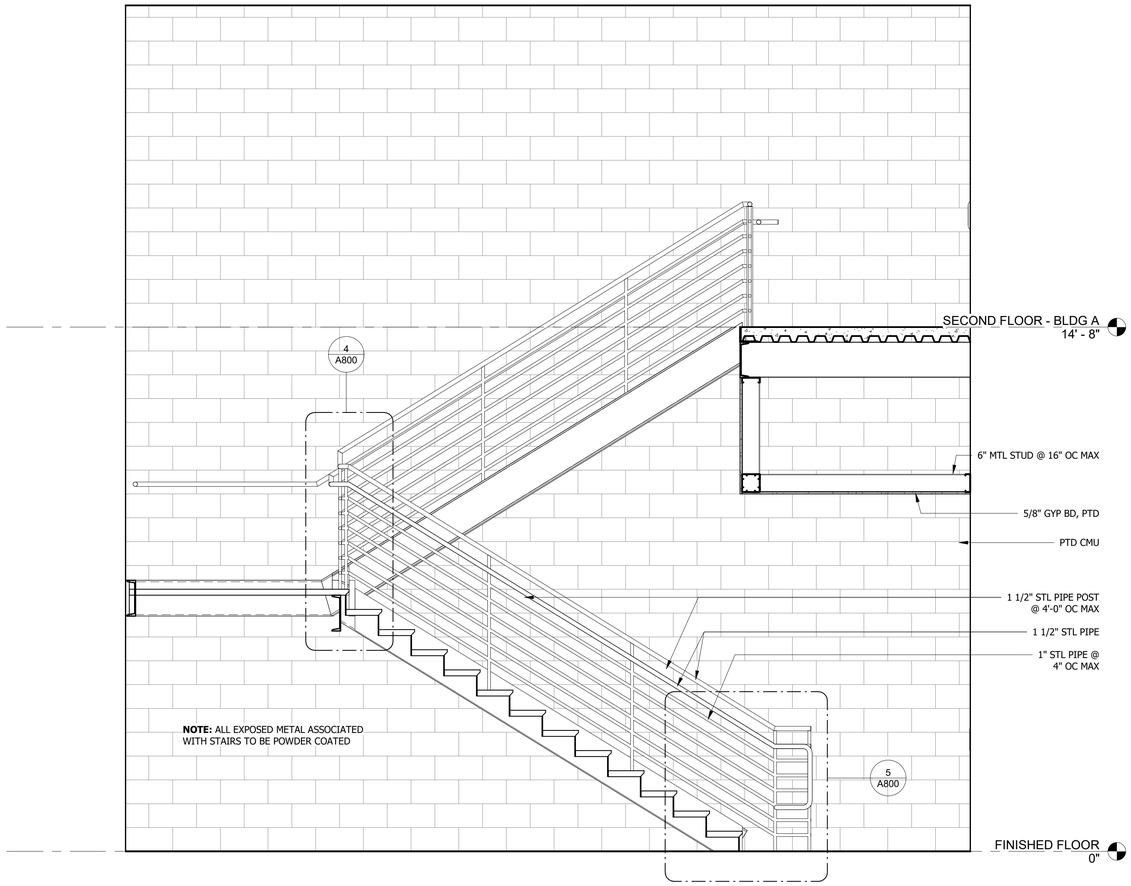


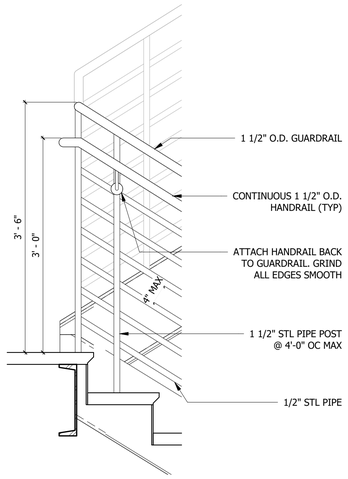
1 ENLARGED PLAN - STAIR LEVEL 1
1/4" = 1'-0"



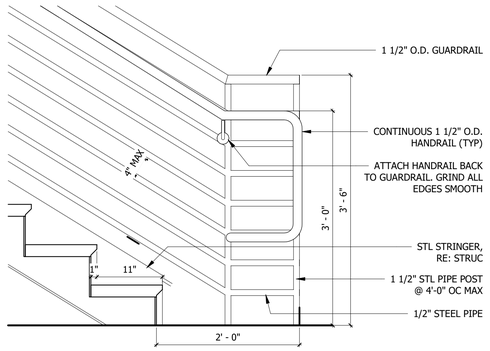
2 ENLARGED PLAN - STAIR LEVEL 2
1/4" = 1'-0"



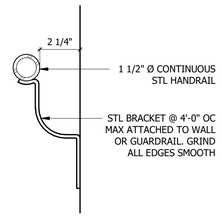
3 STAIR SECTION
1/2" = 1'-0"



4 STAIR SECTION DETAIL
1" = 1'-0"



5 STAIR SECTION DETAIL
1" = 1'-0"



6 HANDRAIL DETAIL
3" = 1'-0"

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PROJECT No. 2412

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TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. [illegible]
NO. [illegible]
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

STAIR DETAILS

SHEET # A800

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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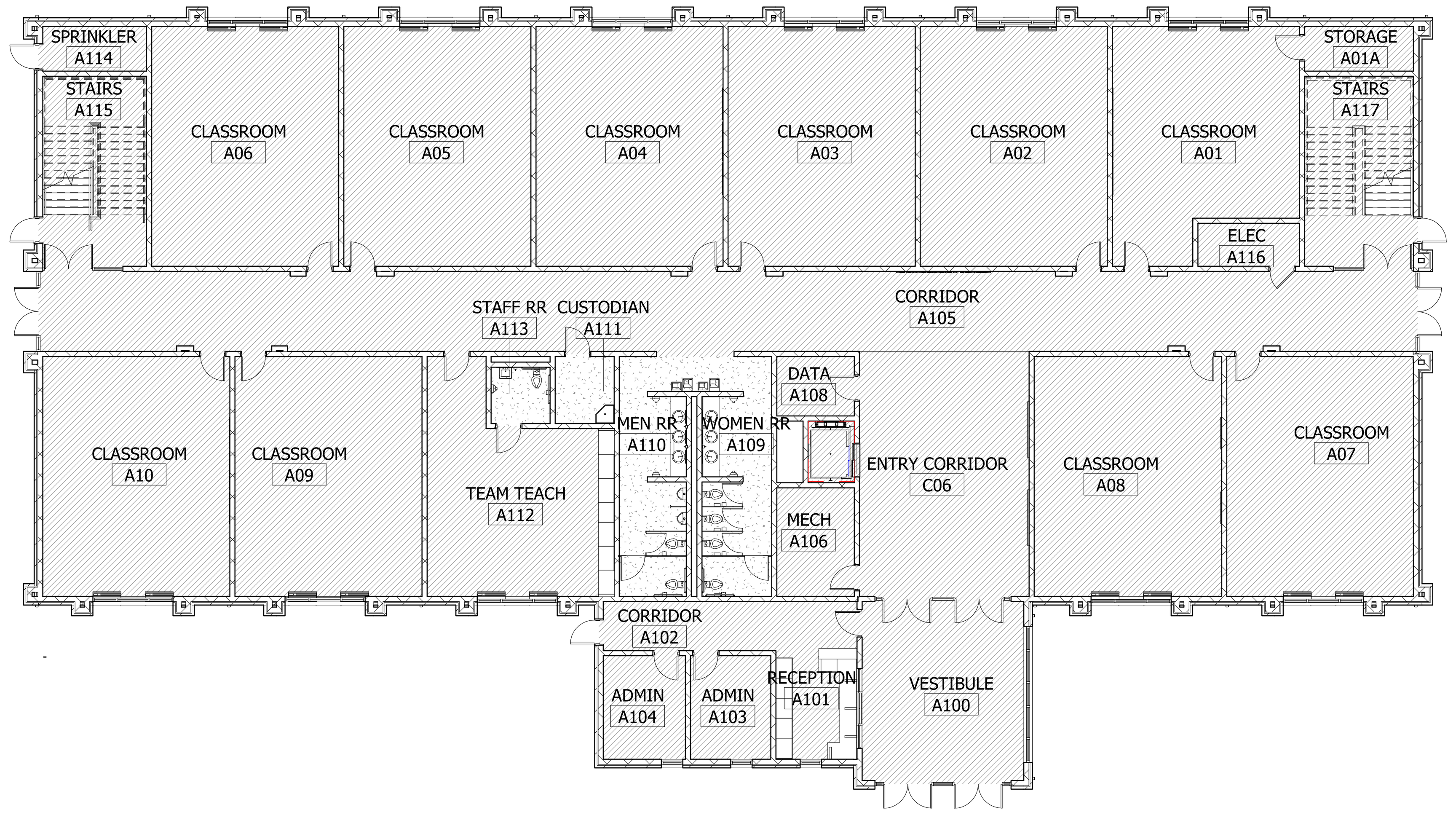
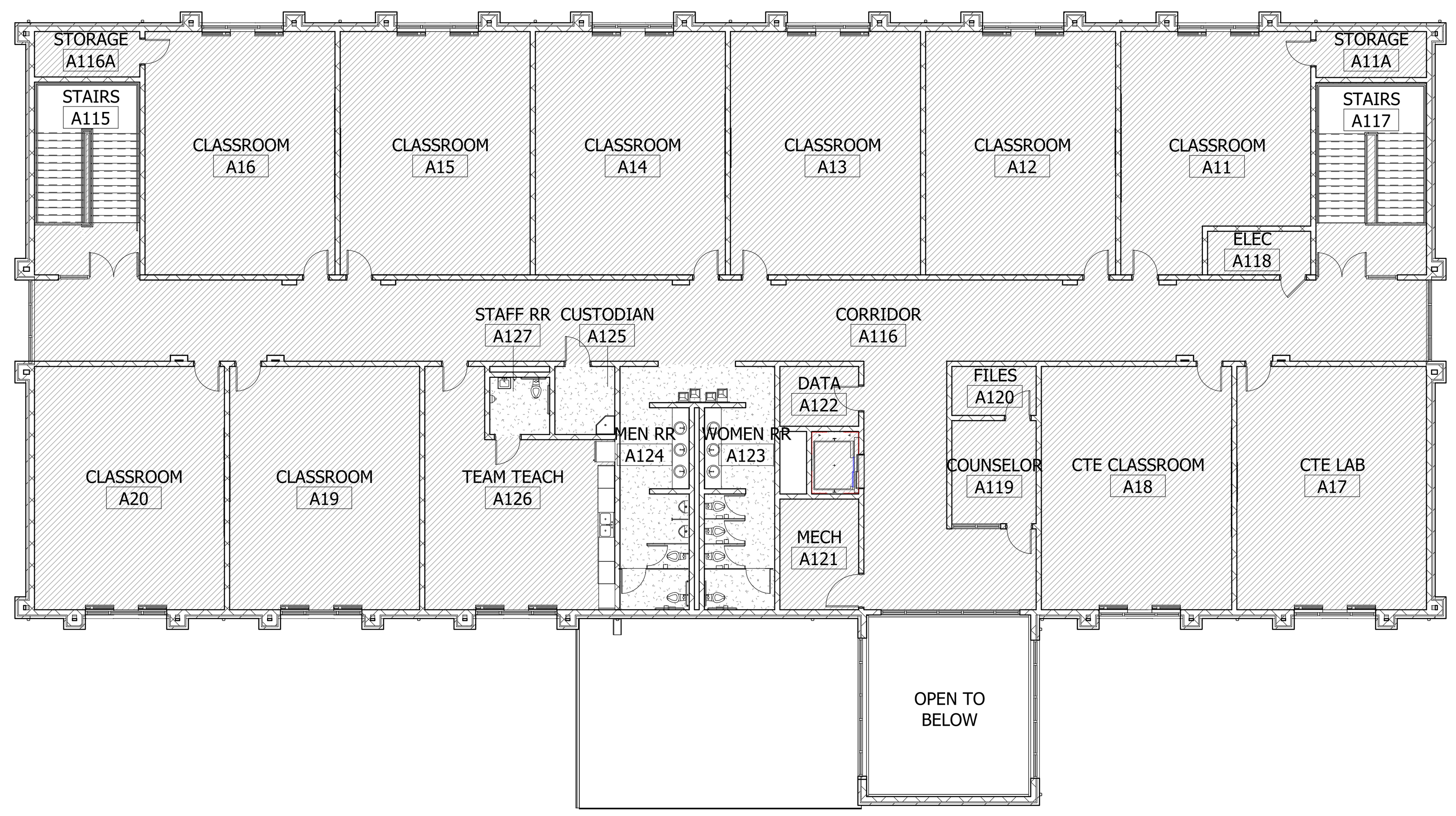
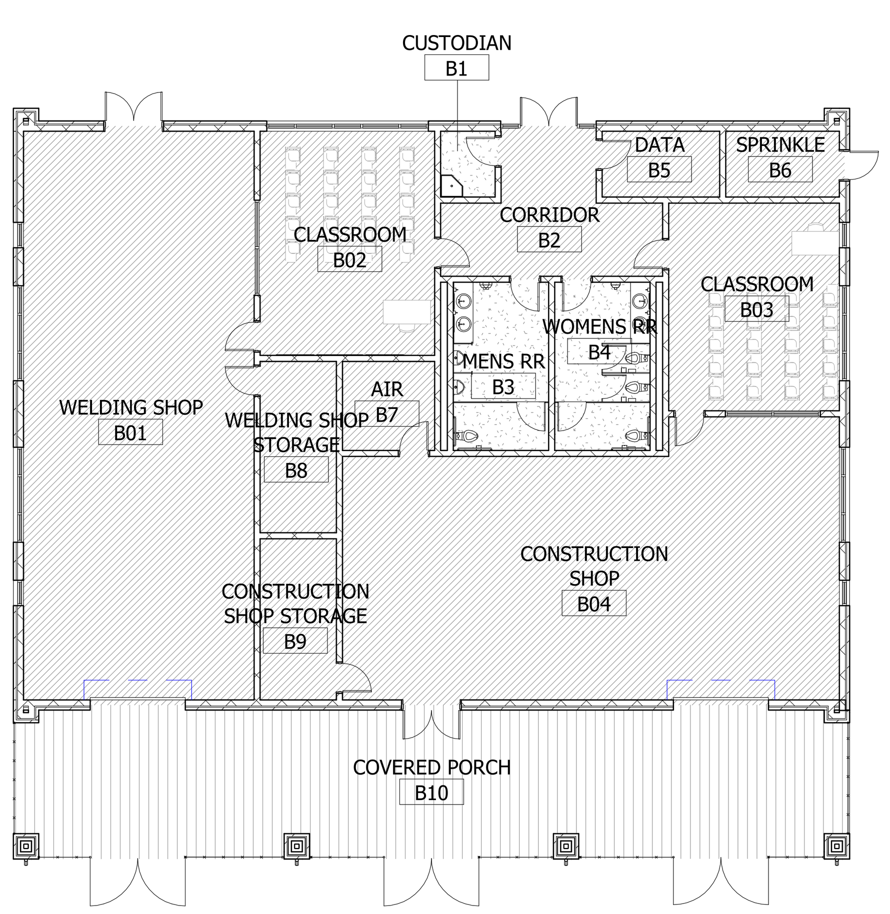


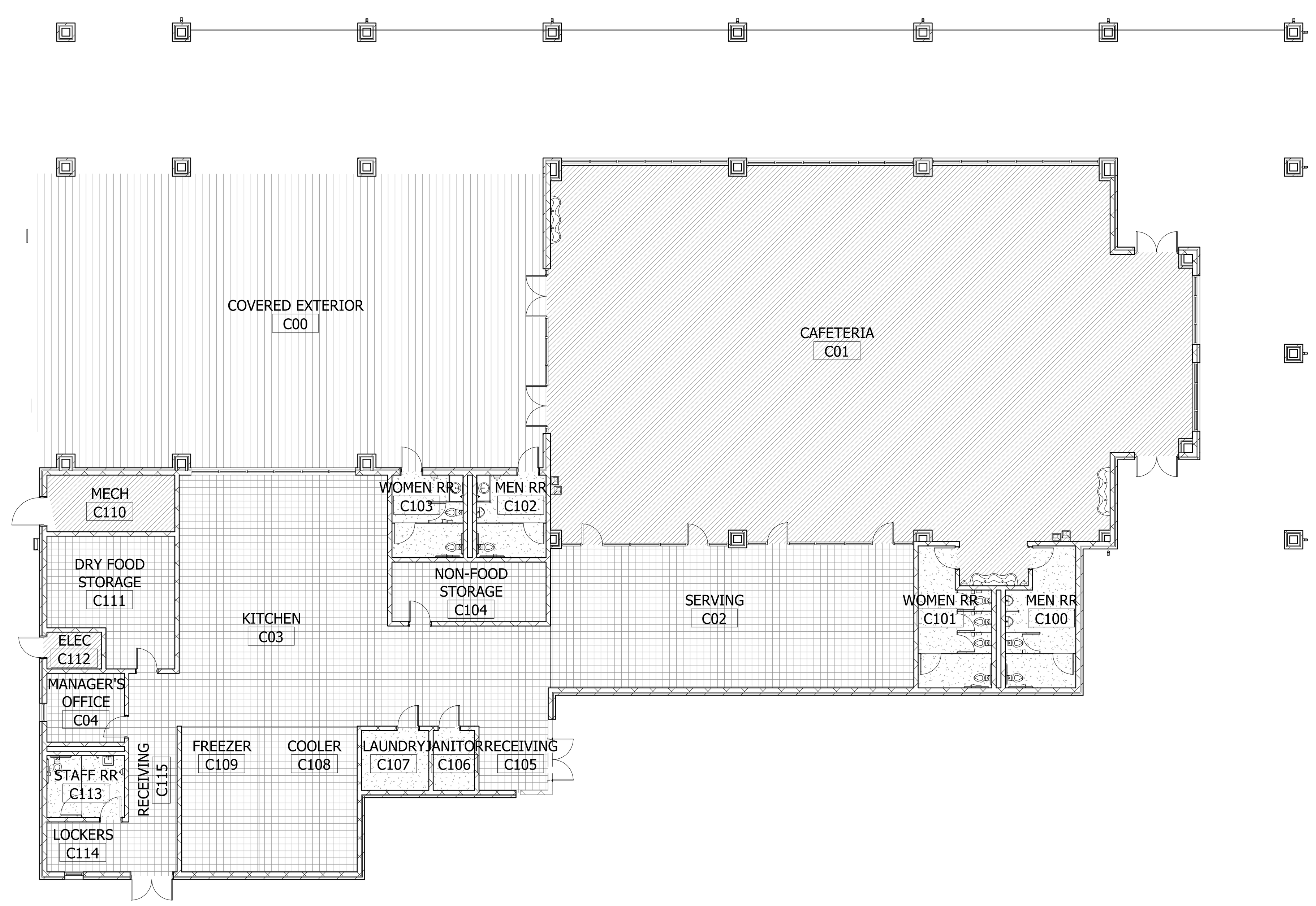
1 BUILDING A FLOOR PLAN - LEVEL 1
1/16" = 1'-0"



2 BUILDING A FLOOR PLAN - LEVEL 2
1/16" = 1'-0"



3 BUILDING B FLOOR PLAN
1/16" = 1'-0"



4 BUILDING C FLOOR PLAN
1/16" = 1'-0"

GENERAL FINISH NOTES

1. AT CERAMIC TILE, ALUMINUM TRIM TO BE INSTALLED @ ALL TERMINATION POINTS, EXTERIOR CORNERS, & EXPOSED EDGES.
2. HATCH PATTERNS SHOWN ON ELEVATIONS ARE FOR MATERIAL LEGEND PURPOSES ONLY.
3. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED TVS. VERIFY EXACT MOUNTING HEIGHTS & LOCATIONS W/ OWNER.
4. INSTALL CONCEALED COUNTER TOP BRACKETS PRIOR TO INSTALLATION OF GYP BD PER MANUFACTURER RECOMMENDATIONS.
5. REFER TO T101 FOR ALL ACCESSIBILITY GUIDELINES & MOUNTING HEIGHTS.
6. DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS. THE DIMENSIONS DO NOT NECESSARILY SHOW ALL DEVICES LOCATED ON WALLS.
7. PROVIDE SOLID BLOCKING BEHIND ALL WALL MOUNTED EQUIPMENT.
8. SEE PLANS FOR ALL ADDITIONAL TOILET ACCESSORIES & ROOM DIMENSIONS.
9. DIMENSIONS ARE TO THE FINISHED FACE OF THE WALL OR FLOOR MATERIAL.
10. CONTROL JOINTS IN GYP BD WALLS ABOVE DOORS, TYP.
11. TRANSITIONS STRIPS TO BE INSTALLED @ ALL CHANGE OF FLOORING MATERIAL @ CENTERLINE UNDER DOOR UNLESS OTHERWISE NOTED. ALL TRANSITION STRIP TYPES TO BE APPROVED BY ARCHITECT.
12. PROVIDE CLOSURE STRIP/FOAM INSULATION IN VOIDS WHERE EXPOSED CEILING ROOF DECK ADJOINS CONDITIONED SPACES.
13. ALL EXPOSED INT MTL TO BE PAINTED.
14. ALL EXPOSED EXTERIOR MTL TO BE GALVANIZED & PTD W/ HIGH PERFORMANCE COATING.
15. ALL INTERIOR PARTITION WALLS TO EXTEND UP TO DECK UNLESS OTHERWISE NOTED.
16. BATT INSULATION @ ALL WALLS TO END 1'-0" MIN ABOVE THE HIGHEST CEILING IN THE SPACE.
17. NON-LOAD BEARING INTERIOR MTL STUD FRAMING TO BE DELEGATED DESIGN W/ H/360 DEFLECTION CRITERIA.
18. ALL COLORS TO BE SELECTED AFTER PHYSICAL SAMPLES OF ALL MATERIALS HAVE BEEN SUBMITTED.

FLOORING LEGEND

BRUSHED CONCRETE

POLISHED CONCRETE

QUARRY TILE

RESINOUS

FINISH SCHEDULE - BUILDING A

NO.	NAME	FLOOR	BASE	WALL	CEILING	COMMENTS
A01	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A01A	STORAGE	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A02	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A03	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A04	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A05	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A06	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A07	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A08	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A09	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A10	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A11	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A11A	STORAGE	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A12	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A13	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A14	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A15	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A16	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A17	CTE LAB	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A18	CTE CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A19	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A20	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A100	VESTIBULE	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A101	RECEPTION	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A102	CORRIDOR	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A103	ADMIN	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A104	ADMIN	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A105	CORRIDOR	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A106	MECH	POLISHED CONCRETE	-	CMU, PTD	-	
A107	ELEV	POLISHED CONCRETE	-	CMU, PTD	-	
A108	DATA	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A109	WOMEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
A110	MEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
A111	CUSTODIAN	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
A112	TEAM TEACH	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A113	STAFF RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
A114	SPRINKLER	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
A115	STAIRS	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A115	STAIRS	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A116	ELEC	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A116	CORRIDOR	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A116A	STORAGE	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A117	STAIRS	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A117	STAIRS	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A118	ELEC	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
A119	COUNSELOR	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A120	FILES	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A121	MECH	POLISHED CONCRETE	-	CMU, PTD	-	
A122	DATA	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
A123	WOMEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
A124	MEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
A125	CUSTODIAN	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
A126	TEAM TEACH	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
A127	STAFF RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	

FINISH SCHEDULE - BUILDING B

NO.	NAME	FLOOR	BASE	WALL	CEILING	COMMENTS
B1	CUSTODIAN	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
B01	WELDING SHOP	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
B2	CORRIDOR	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
B02	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
B3	MENS RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
B03	CLASSROOM	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
B4	WOMENS RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
B04	CONSTRUCTION SHOP	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
B5	DATA	POLISHED CONCRETE	RESILIENT	CMU, PTD	GYP BD, PTD	
B6	SPRINKLE	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
B7	AIR	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
B8	WELDING SHOP STORAGE	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
B9	CONSTRUCTION SHOP STORAGE	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
B10	COVERED PORCH	BRUSHED CONCRETE	-	-	MTL SOFFIT	

FINISH SCHEDULE - BUILDING C

NO.	NAME	FLOOR	BASE	WALL	CEILING	COMMENTS
C00	COVERED EXTERIOR	BRUSHED CONCRETE	-	-	LINEAR MTL	
C01	CAFETERIA	POLISHED CONCRETE	RESILIENT	CMU, PTD	PERFORATED MTL/GYP BD, PTD	
C02	SERVING	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT/GYP BD, PTD	
C03	KITCHEN	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT	
C04	MANAGER'S OFFICE	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT	
C05	COVERED COURTYARD	BRUSHED CONCRETE	-	-	MTL SOFFIT	
C06	ENTRY CORRIDOR	POLISHED CONCRETE	RESILIENT	CMU, PTD	ACT	
C100	MEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
C101	WOMEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
C102	MEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
C103	WOMEN RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
C104	NON-FOOD STORAGE	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT	
C105	RECEIVING	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT	
C106	JANITOR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
C107	LAUNDRY	RESINOUS	RESINOUS	CMU, PTD	ACT	
C108	COOLER	QUARRY TILE	QUARRY TILE	CMU, PTD	-	
C109	FREEZER	QUARRY TILE	QUARRY TILE	CMU, PTD	-	
C110	MECH	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
C111	DRY FOOD STORAGE	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT	
C112	ELEC	POLISHED CONCRETE	RESILIENT	CMU, PTD	-	
C113	STAFF RR	RESINOUS	RESINOUS	CMU, PTD	GYP BD, PTD	
C114	LOCKERS	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT	
C115	RECEIVING	QUARRY TILE	QUARRY TILE	CMU, PTD	ACT	

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DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. BANKSTON No. 5945 STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

MASTER FINISH SCHEDULE
SHEET # I001

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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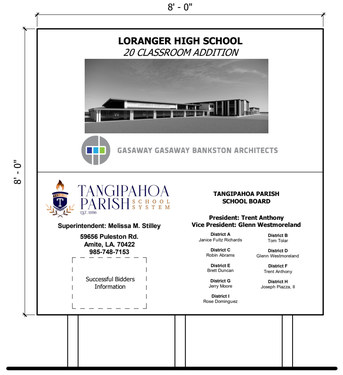
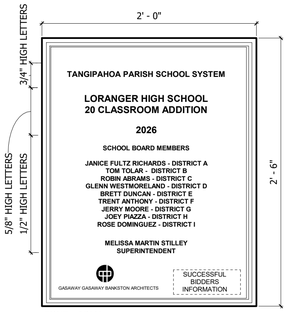


NOTE:
1. ELECTRONIC FILES OF LOGOS WILL BE PROVIDED BY OWNER/ARCHITECT. ANY PRINTING COSTS ARE PART OF THIS CONTRACT.
2. VERIFY TEXT W/ ARCHITECT PRIOR TO FABRICATION.

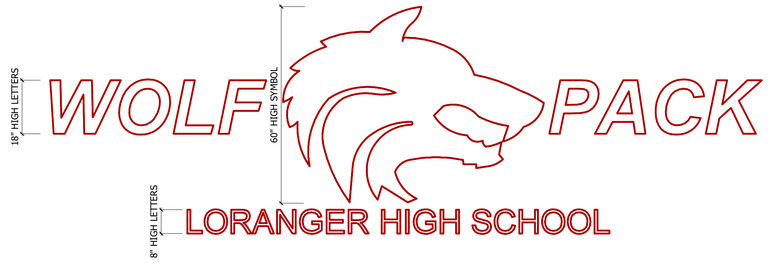
A JOB SIGN
1/2" = 1'-0"



FONT - ARIAL
BORDER - DOUBLE LINE
BACKGROUND TEXTURE - LEATHERETTE
BACKGROUND COLOR - DARK OXIDE STAIN

TITLE TO DIFFER AT EACH LOCATION
FINAL APPROVAL OF PLAQUE WILL NOT BE PROVIDED UNTIL AFTER SUBSTANTIAL COMPLETION

B CAST BRONZE PLAQUE
1 1/2" = 1'-0"



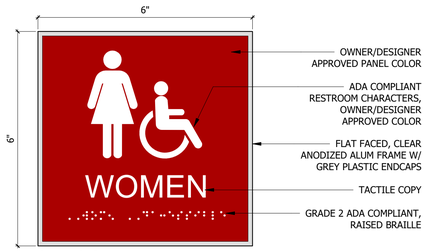
FONT - ARIAL BOLD ITALICS @ 1'-6" HIGH LETTERS,
ARIAL @ 8" HIGH LETTERS
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS/GRAPHICS, PTD W/ 1/4" THICK INSET LASER CUT ACRYLIC TOP LAYER, PTD, TAPED TO ALUMINUM BACK LAYER

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

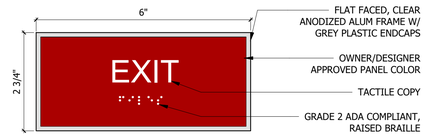
C WOLF PACK SIGNAGE
1/2" = 1'-0"

GENERAL SIGNAGE NOTES

1. ALL SIGNAGE TO BE INSTALLED W/ CONCEALED FASTENERS IF POSSIBLE.
2. HATCH PATTERNS & COLORS SHOWN FOR MATERIAL PURPOSES ONLY. ALL COLOR & SELECTIONS TO BE OWNER/DESIGNER APPROVED.
3. COMPLY W/ REQUIREMENTS FOR INDICATED DESIGN, DIMENSIONS, & FINISHES.
4. COORDINATE ALL COPY W/ OWNER/DESIGNER PRIOR TO FABRICATION.
5. INSTALL ALL SIGNAGE AT HEIGHTS TO CONFORM TO ADA GUIDELINES & APPLICABLE LOCAL CODES & REGULATIONS.
6. TOP OF ALL ROOM SIGNAGE FRAMES TO ALIGN.



D RESTROOM ID
6" = 1'-0"



F EXIT/ROOM ID
6" = 1'-0"

FONT - ARIAL
LEFT ALIGNMENT
3/8" THICK ACRYLIC LETTERS, & GRAPHICS, PTD, TAPE MOUNT, W/ 1/4" THICK INSET LASER CUT ACRYLIC TOP LAYER, PTD, TAPED TO ACRYLIC BACK LAYER

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

G WOMENS RR SIGNAGE
1/2" = 1'-0"

FONT - ARIAL
LEFT ALIGNMENT
3/8" THICK ACRYLIC LETTERS, & GRAPHICS, PTD, TAPE MOUNT, W/ 1/4" THICK INSET LASER CUT ACRYLIC TOP LAYER, PTD, TAPED TO ACRYLIC BACK LAYER

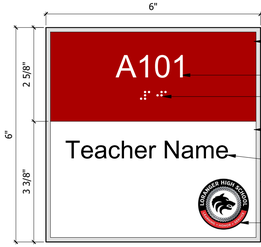
FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

H MENS RR SIGNAGE
1/2" = 1'-0"

FONT - ARIAL
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD STUD MOUNT

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

I LHS WOLVES VESTIBULE SIGNAGE
1/2" = 1'-0"



E CLASSROOM ID
6" = 1'-0"

FONT - ARIAL ITALICS
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD, STUD MOUNT
W/ 1/4" THICK INSET LASER CUT ACRYLIC TOP LAYER, PTD, TAPED TO ALUMINUM BACK LAYER

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

J DIMENSIONAL LETTER SET SIGNAGE
1/2" = 1'-0"

HEAT APPLIED CONTOUR-CUT VINYL GRAPHICS W/ DIRECT PRINTED GRAPHICS TO CONFORM TO WALL TEXTURE

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

K LHS LOGO 1
1/2" = 1'-0"

HEAT APPLIED CONTOUR-CUT VINYL GRAPHICS W/ DIRECT PRINTED GRAPHICS TO CONFORM TO WALL TEXTURE

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

L LHS LOGO 2
1/2" = 1'-0"

FONT - ARIAL
CENTER ALIGNMENT
CONTOUR-CUT VINYL LETTERS

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

M VINYL EXTERIOR SIGNAGE
1/2" = 1'-0"

FONT - ARIAL
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD

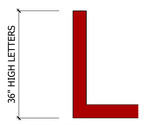
FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

N DIMENSIONAL LETTER SIGNAGE
1/2" = 1'-0"

FONT - ARIAL
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

O DIMENSIONAL LETTER SIGNAGE
1/2" = 1'-0"



FONT - ARIAL
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD

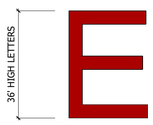
FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

P DIMENSIONAL LETTER SIGNAGE
1/2" = 1'-0"

FONT - ARIAL
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

Q DIMENSIONAL LETTER SIGNAGE
1/2" = 1'-0"



FONT - ARIAL
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

R DIMENSIONAL LETTER SIGNAGE
1/2" = 1'-0"

FONT - ARIAL
CENTER ALIGNMENT
3/8" THICK ALUMINUM LETTERS, PTD

FINAL APPROVAL OF SIGNAGE WILL BE PROVIDED BY OWNER

S DIMENSIONAL LETTER SIGNAGE
1/2" = 1'-0"

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PROJECT No. 2412

THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE REPRODUCED, PUBLISHED, OR USED IN ANY WAY WITHOUT THE PERMISSION OF THE ARCHITECT.

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. BANKSTON No. 33626 NOTARIAL SEAL STATE OF LOUISIANA REGISTERED ARCHITECT

REVISIONS

SIGNAGE TYPES

SHEET # I003

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
10/15/2026 3:56:46 PM

GENERAL SIGNAGE NOTES

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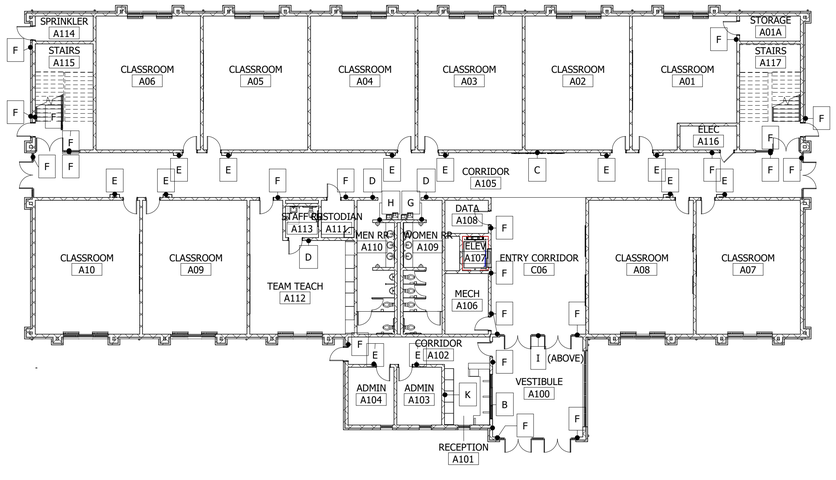
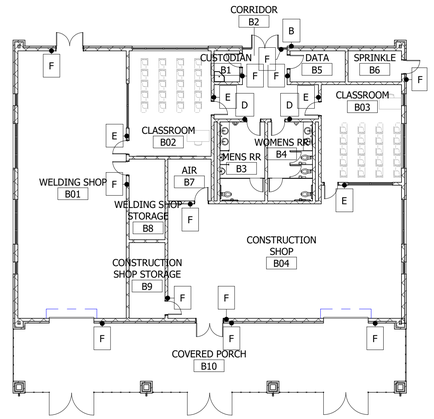
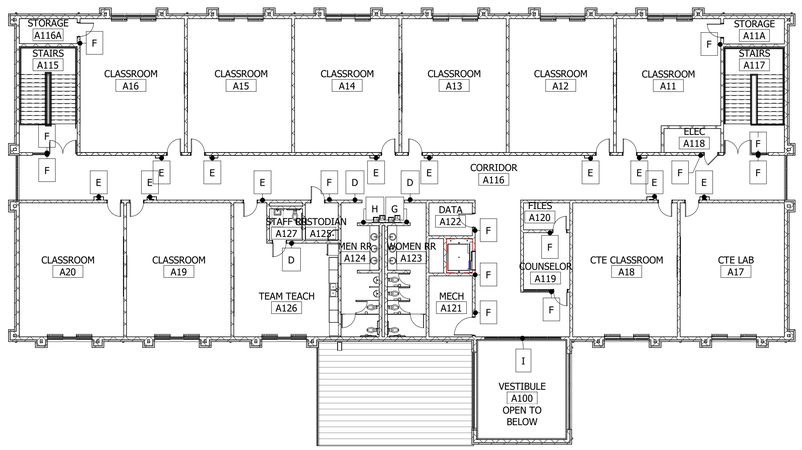


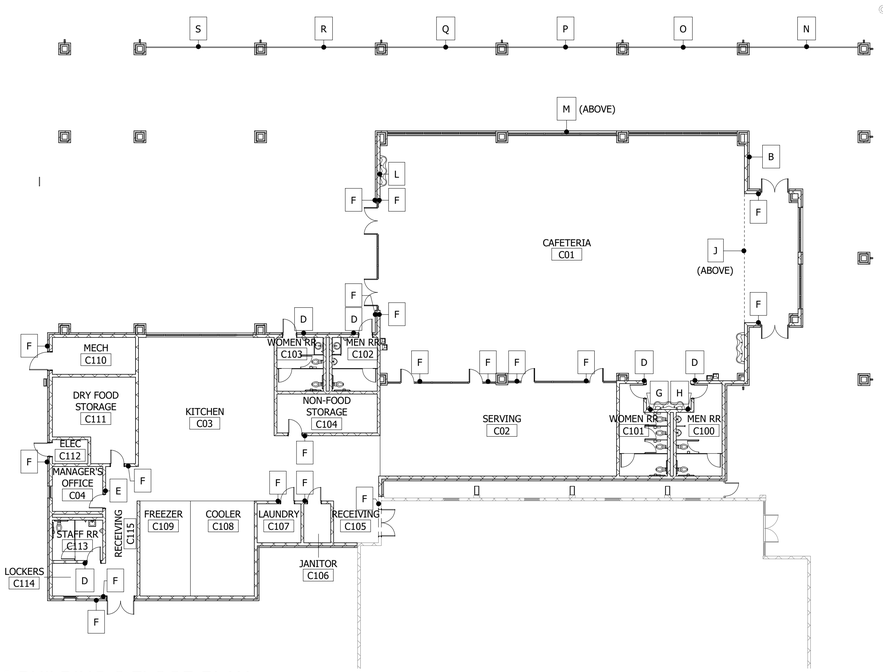
1 BUILDING A FLOOR PLAN - LEVEL 1
1/16" = 1'-0"



3 BUILDING B FLOOR PLAN
1/16" = 1'-0"



2 BUILDING A FLOOR PLAN - LEVEL 2
1/16" = 1'-0"



4 BUILDING C FLOOR PLAN
1/16" = 1'-0"

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

SIGNAGE PLAN

SHEET # I002

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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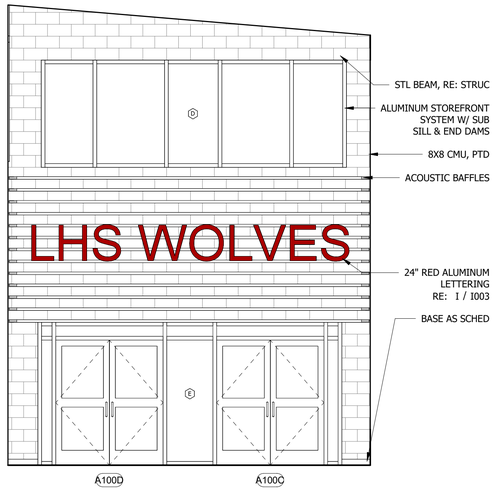
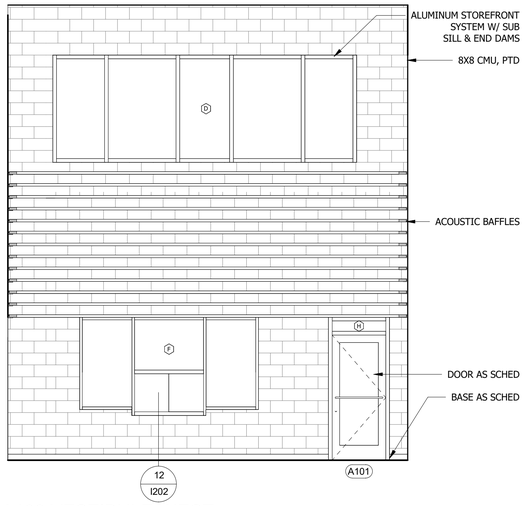
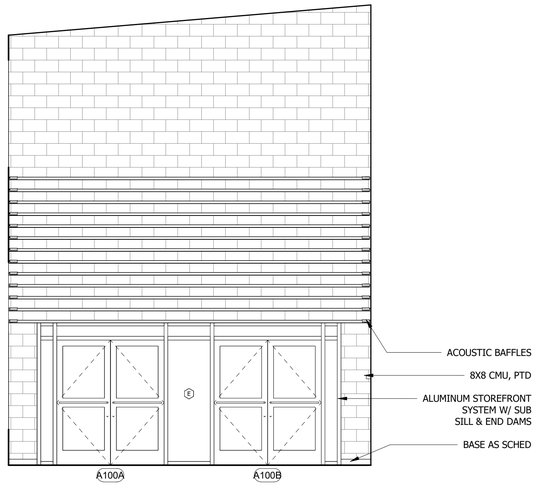


1 A100 VESTIBULE NORTH
1/4" = 1'-0"



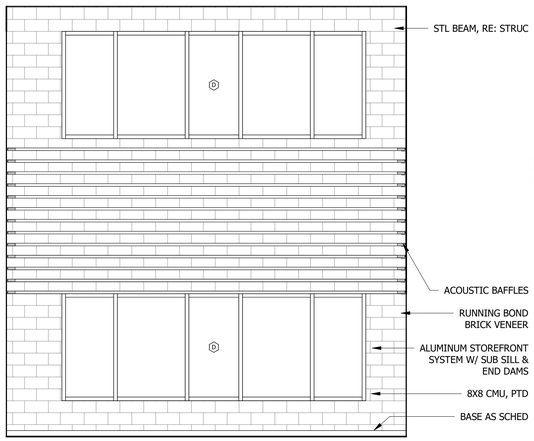
2 A100 VESTIBULE WEST
1/4" = 1'-0"



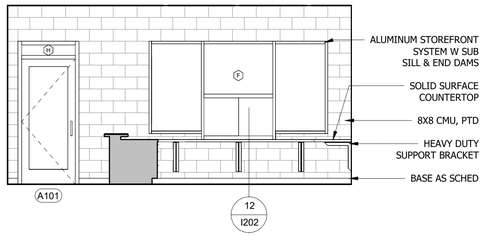
3 A100 VESTIBULE SOUTH
1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

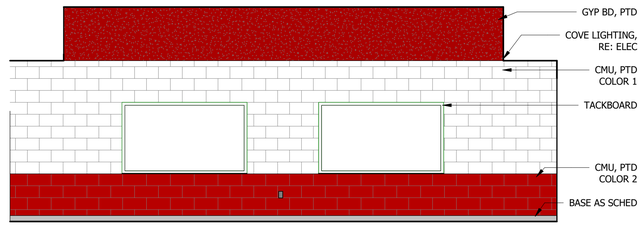
1. AT CERAMIC TILE, ALUMINUM TRIM TO BE INSTALLED @ ALL TERMINATION POINTS, EXTERIOR CORNERS, & EXPOSED EDGES.
2. HATCH PATTERNS SHOWN ON ELEVATIONS ARE FOR MATERIAL LEGEND PURPOSES ONLY.
3. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED TVS. VERIFY EXACT MOUNTING HEIGHTS & LOCATIONS W/ OWNER.
4. INSTALL CONCEALED COUNTER TOP BRACKETS PRIOR TO INSTALLATION OF GYP BD PER MANUFACTURER RECOMMENDATIONS.
5. REFER TO T101 FOR ALL ACCESSIBILITY GUIDELINES & MOUNTING HEIGHTS.
6. DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS. THE DIMENSIONS DO NOT NECESSARILY SHOW ALL DEVICES LOCATED ON WALLS.
7. PROVIDE SOLID BLOCKING BEHIND ALL WALL MOUNTED EQUIPMENT.
8. SEE PLANS FOR ALL ADDITIONAL TOILET ACCESSORIES & ROOM DIMENSIONS.
9. DIMENSIONS ARE TO THE FINISHED FACE OF THE WALL OR FLOOR MATERIAL.
10. CONTROL JOINTS IN GYP BD WALLS ABOVE DOORS, TYP.
11. ALL EXPOSED INT MTL TO BE PAINTED.



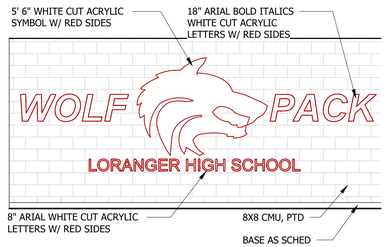
4 A100 VESTIBULE EAST
1/4" = 1'-0"



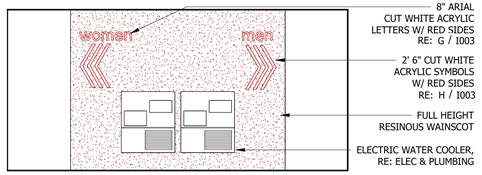
5 A101 RECEPTION EAST
1/4" = 1'-0"



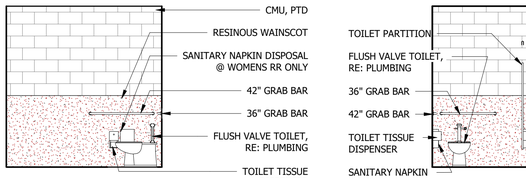
6 A105 CORRIDOR EAST
1/4" = 1'-0"



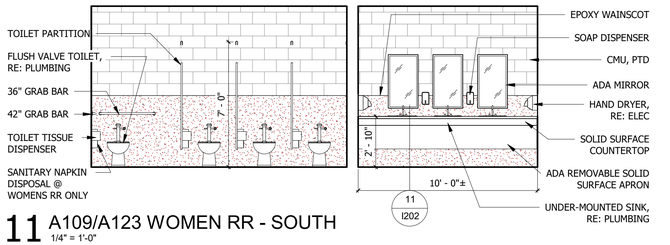
7 A105 CORRIDOR NORTH RE: C / I003
1/4" = 1'-0"



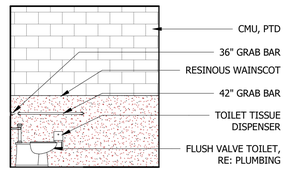
8 A109 WOMENS RR & A110 MENS RR SOUTH
1/4" = 1'-0"



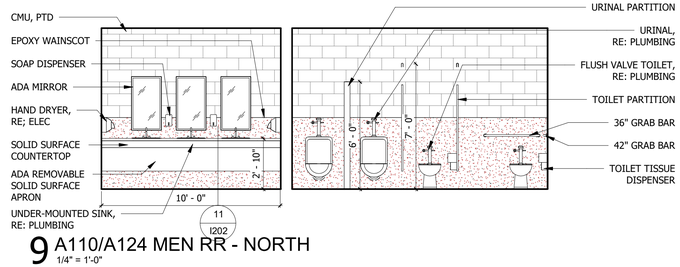
10 TYP WOMENS RR
1/4" = 1'-0"



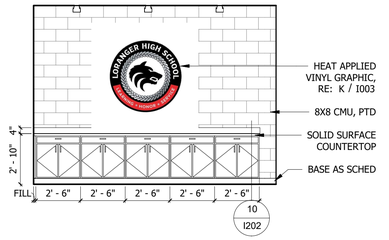
11 A109/A123 WOMEN RR - SOUTH
1/4" = 1'-0"



12 TYP MENS RR
1/4" = 1'-0"



9 A110/A124 MEN RR - NORTH
1/4" = 1'-0"



15 A101 RECEPTION WEST
1/4" = 1'-0"

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Andrew Gasaway, Jr., AIA
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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER J. GASAWAY
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

INTERIOR ELEVATIONS

SHEET # I200

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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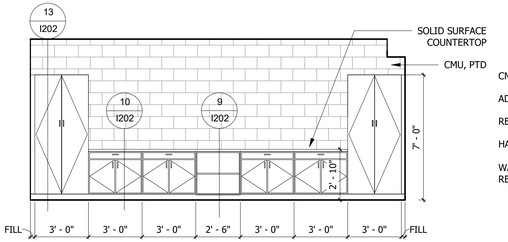
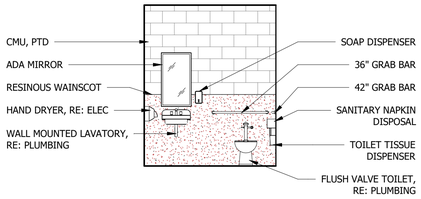
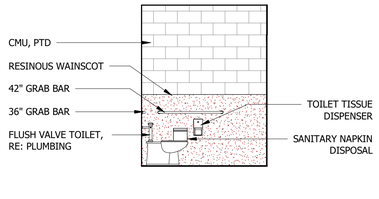


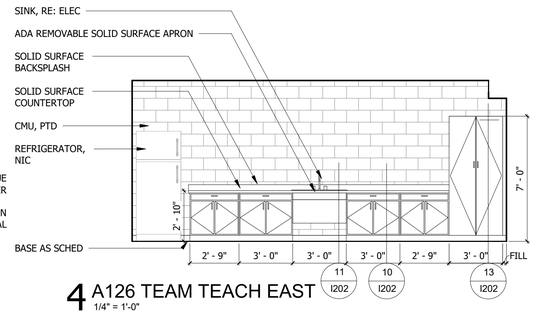
1 A112 TEAM TEACH EAST
1/4" = 1'-0"



2 A113 STAFF RR - NORTH
1/4" = 1'-0"



3 A113 STAFF RR - EAST
1/4" = 1'-0"



4 A126 TEAM TEACH EAST
1/4" = 1'-0"

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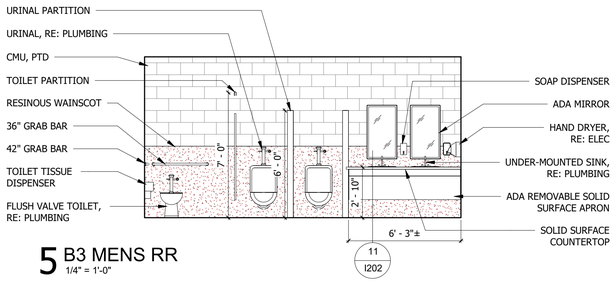
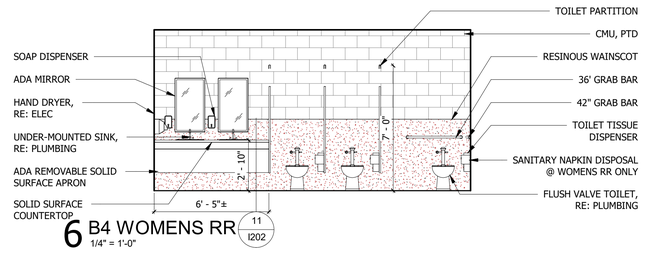
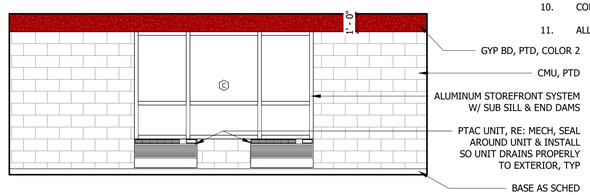
11. ALL EXPOSED INT MTL TO BE PAINTED.



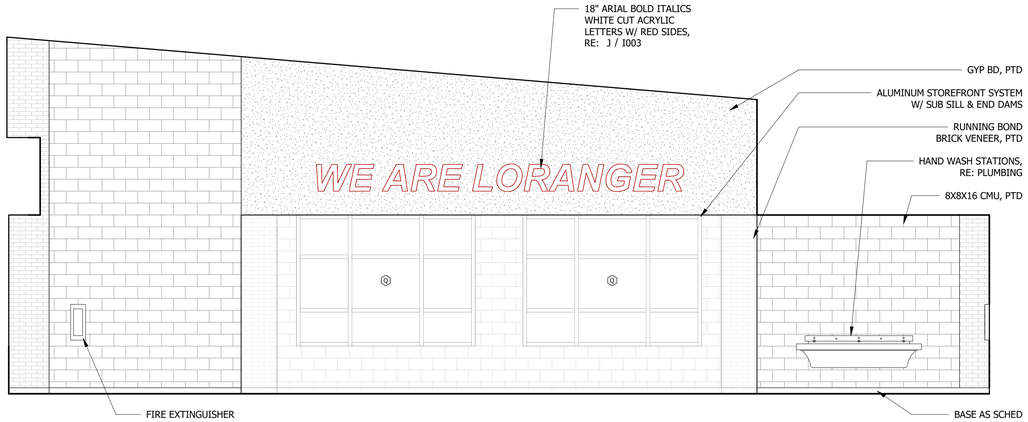
5 B3 MENS RR
1/4" = 1'-0"



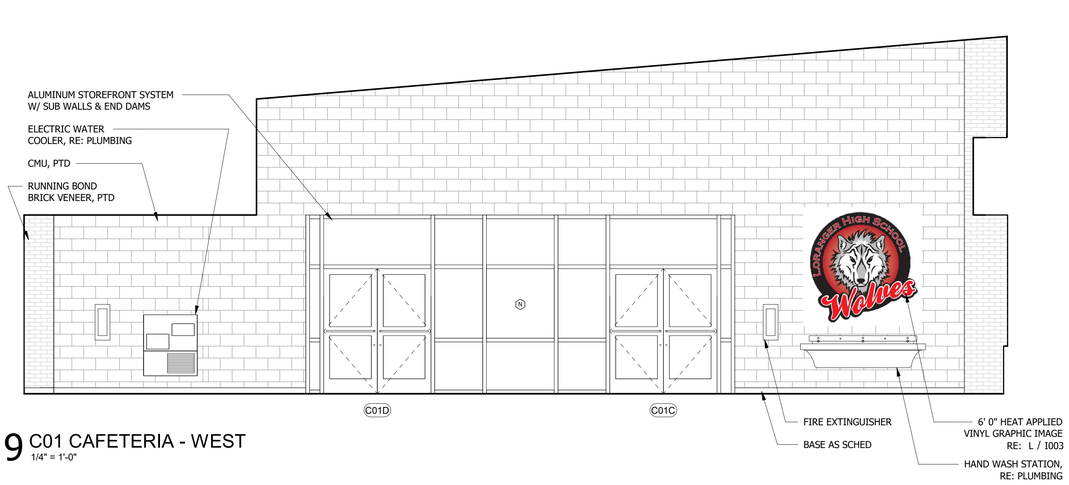
6 B4 WOMENS RR
1/4" = 1'-0"



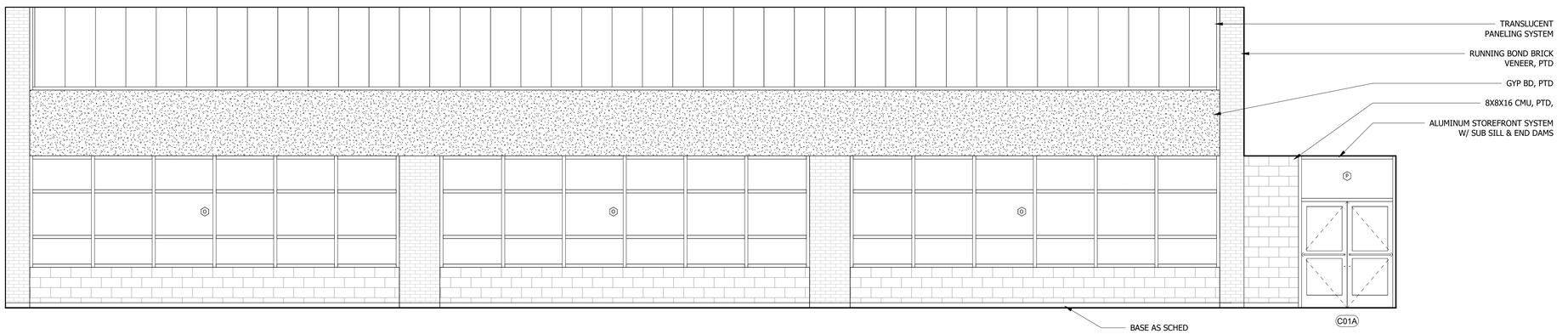
7 TYPICAL CLASSROOM
1/4" = 1'-0"



8 C01 CAFETERIA - EAST
1/4" = 1'-0"



9 C01 CAFETERIA - WEST
1/4" = 1'-0"



10 C01 CAFETERIA - NORTH
1/4" = 1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. GASAWAY
STATE OF LOUISIANA
REGISTERED ARCHITECT

INTERIOR ELEVATIONS
REVISIONS

SHEET # I201

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
10/15/2026 3:56:55 PM

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop CENTRAL_abbyPMLRS.rvt
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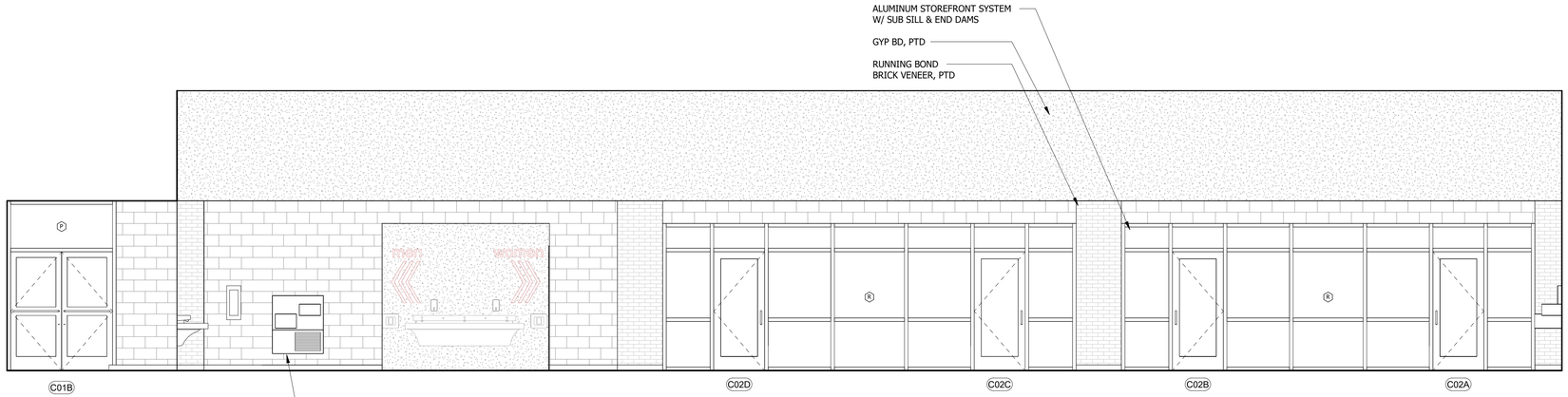
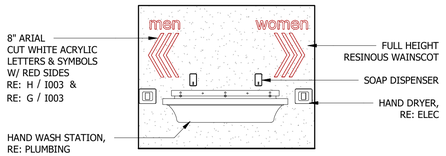


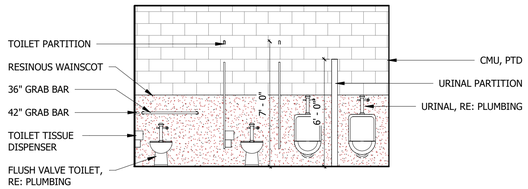
1 C01 CAFETERIA - SOUTH
1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

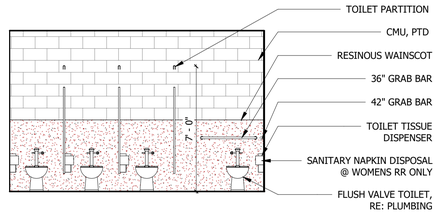
1. AT CERAMIC TILE, ALUMINUM TRIM TO BE INSTALLED @ ALL TERMINATION POINTS, EXTERIOR CORNERS, & EXPOSED EDGES.
2. HATCH PATTERNS SHOWN ON ELEVATIONS ARE FOR MATERIAL LEGEND PURPOSES ONLY.
3. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED TVS. VERIFY EXACT MOUNTING HEIGHTS & LOCATIONS W/ OWNER.
4. INSTALL CONCEALED COUNTER TOP BRACKETS PRIOR TO INSTALLATION OF GYP BD PER MANUFACTURER RECOMMENDATIONS.
5. REFER TO T101 FOR ALL ACCESSIBILITY GUIDELINES & MOUNTING HEIGHTS.
6. DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS. THE DIMENSIONS DO NOT NECESSARILY SHOW ALL DEVICES LOCATED ON WALLS.
7. PROVIDE SOLID BLOCKING BEHIND ALL WALL MOUNTED EQUIPMENT.
8. SEE PLANS FOR ALL ADDITIONAL TOILET ACCESSORIES & ROOM DIMENSIONS.
9. DIMENSIONS ARE TO THE FINISHED FACE OF THE WALL OR FLOOR MATERIAL.
10. CONTROL JOINTS IN GYP BD WALLS ABOVE DOORS, TYP.
11. ALL EXPOSED INT MTL TO BE PAINTED.



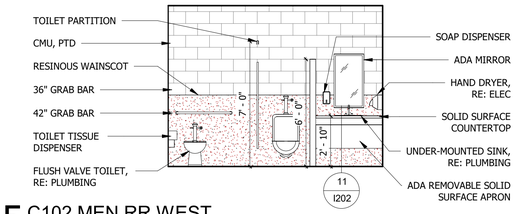
2 C100/C101 HANDWASH STATION
1/4" = 1'-0"



3 109 MEN RR - WEST
1/4" = 1'-0"



4 110 WOMEN RR - EAST
1/4" = 1'-0"



5 C102 MEN RR WEST
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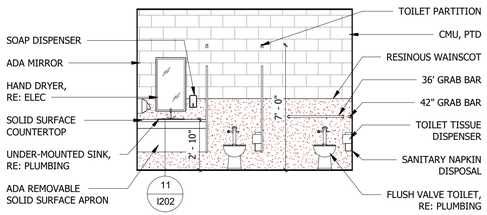

6 C103 WOMEN RR EAST
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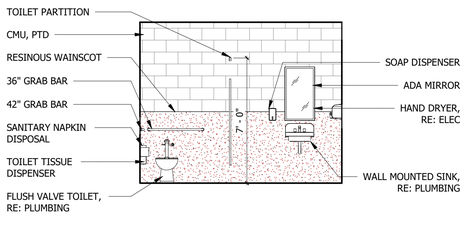
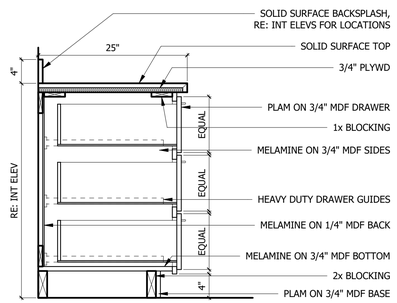
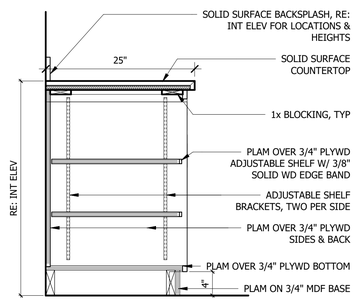


7 C113 STAFF RR NORTH
1/4" = 1'-0"



8 MILLWORK SECTION
1" = 1'-0"



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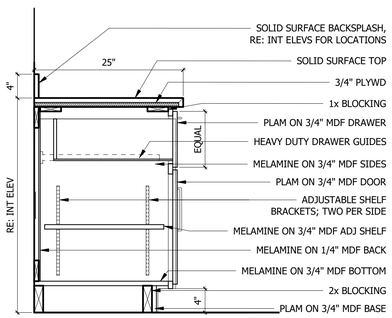

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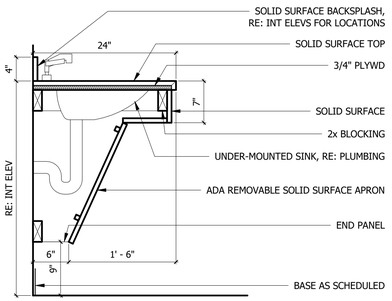

11 MILLWORK SECTION - BASE
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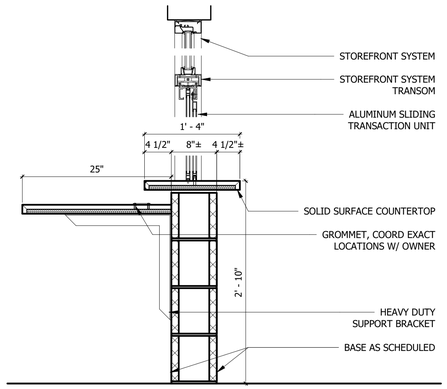

12 MILLWORK SECTION
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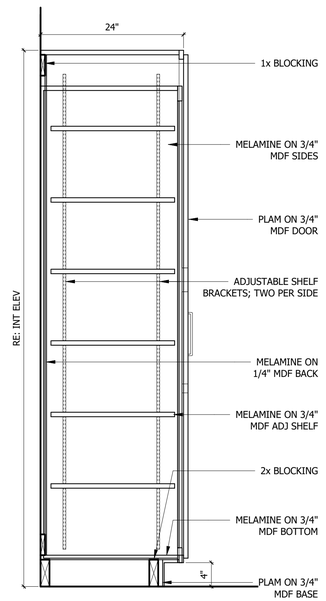

13 MILLWORK SECTION
1" = 1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
CHRISTOPHER P. BANKSTON
LICENSED PROFESSIONAL ENGINEER
STATE OF LOUISIANA
REGISTERED ARCHITECT

REVISIONS

INTERIOR ELEVATIONS

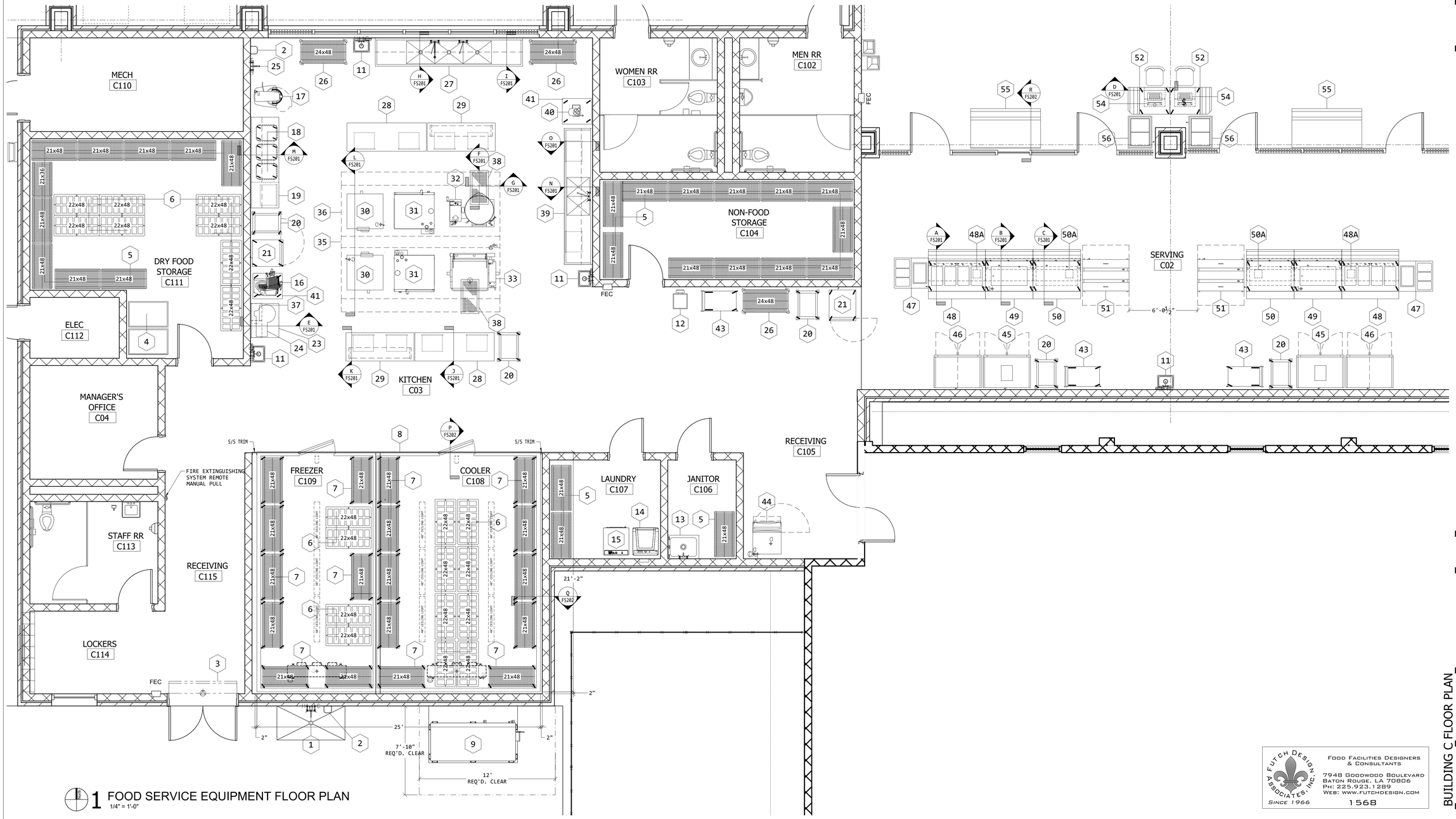
SHEET # I202

EQUIPMENT SCHEDULE			
ITEM NO.	QTY	DESCRIPTION	NOTES
1.	1	EXTERIOR GRADE MIXING FAUCET W/HOSE THREADS (BY PLUMBING)	B
2.	2	HOSE RACKS	A
3.	1	AIR DOOR	A
4.	2	CAN RACKS	A
5.	25	STORAGE SHELVING UNITS	A
6.	20	DUNNAGE RACKS	A
7.	18	MOBILE SHELVING UNITS	A
8.	1	WALK-IN COOLER/FREEZER	A
9.	1	REMOTE REFRIGERATION SYSTEM	A
10.	--	SPARE NUMBER	--
11.	4	HAND SINKS	A
12.	1	SCALE	A
13.	1	STAINLESS STEEL MOP SINK	A
14.	1	CLOTHES WASHER	A
15.	1	CLOTHES DRYER	A
16.	1	SLICER	--
17.	1	40-QUART MIXER	A
18.	3	MOBILE INGREDIENT BINS	A
19.	1	BAKERS TABLE W/SPICE SHELF	A
20.	5	MOBILE PAN RACKS	A

EQUIPMENT SCHEDULE			
ITEM NO.	QTY	DESCRIPTION	NOTES
21.	2	MOBILE PROOFER/HEATED CABINETS	A
22.	1	SPARE NUMBER	A
23.	1	EQUIPMENT STAND	A
24.	1	FOOD CHOPPER	A
25.	1	MIXING FAUCET W/HOSE THREADS	A
26.	3	MOBILE UTENSIL SHELVING UNITS	A
27.	1	3-COMPARTMENT SINK W/OVERSHELF	A
28.	2	WORK TABLES	A
29.	2	WORK TABLES W/OVERHEAD POT RACK	A
30.	2	DOUBLE DECK GAS CONVECTION OVEN	A
31.	2	DOUBLE DECK COMBI-OVEN/STEAMER	A
32.	1	60-GALLON TILT KETTLE	A
33.	1	40-GALLON TILTING BRAISING PAN	A
34.	--	SPARE NUMBER	--
35.	1	UTILITY DISTRIBUTION SYSTEM	A
36.	1	EXHAUST HOOD	A
37.	1	FIRE SUPPRESSION SYSTEM	A
38.	2	STAINLESS STEEL FLOOR DRAIN TROUGHS	A
39.	1	PREPARATION COUNTER W/SINKS	A
40.	1	FOOD PROCESSOR	A

EQUIPMENT SCHEDULE			
ITEM NO.	QTY	DESCRIPTION	NOTES
41.	2	MOBILE EQUIPMENT STANDS	A
42.	--	SPARE NUMBER	--
43.	3	MOBILE UTILITY CARTS	A
44.	1	ICE MACHINE (CUBER) W/STORAGE BIN	A
45.	2	REACH-IN REFRIGERATORS	A
46.	2	REACH-IN WARMERS	A
47.	2	MOBILE TRAY/SILVERWARE COUNTERS	A
48.	2	MOBILE HOT FOOD COUNTERS	A
48A.	2	STAINLESS STEEL FLOOR OUTLET BOXES	A
49.	2	MOBILE 2-TIER COLD SHELF COUNTES	A
50.	2	MOBILE HOT-TOP COUNTERS	A
50A.	2	STAINLESS STEEL FLOOR OUTLET BOXES	A
51.	2	MOBILE MILK COOLERS	A
52.	2	MOBILE CASHIER COUNTERS	A
53.	--	SPARE NUMBER	--
54.	2	POS UNITS	A
55.	2	MOBILE CONDIMENT COUNTERS	A
56.	2	NOVELTY ICE CREAM CABINETS (BY VENDOR)	D

LEGEND:
- A. DIVISION 11 (FOOD SERVICE EQUIPMENT)
- B. DIVISION 15 (PLUMBING)
- C. EXISTING EQUIPMENT, RELOCATED AND INSTALLED BY CONTRACTOR
- D. NOT IN CONTRACT



1 FOOD SERVICE EQUIPMENT FLOOR PLAN
1/4" = 1'-0"

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

BUILDING C FLOOR PLAN

SHEET # FS101

FUTCH DESIGN ASSOCIATES, INC. SINCE 1966
FOOD FACILITIES DESIGNERS & CONSULTANTS
7948 GOODWOOD BOULEVARD
BATON ROUGE, LA 70806
PH: 225.923.1289
WEB: WWW.FUTCHDESIGN.COM
1568

I:\0000 - Tangipahoa Parish School System\2412 - Loranger High 20 Clsrm Bldg & Shop\DWG\9.0 WRKG DWG\2412 - Loranger High School - 20 Clsrm Bldg & Shop.rvt
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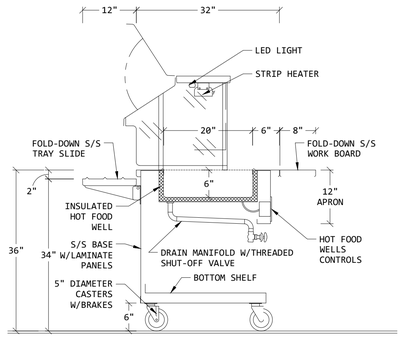
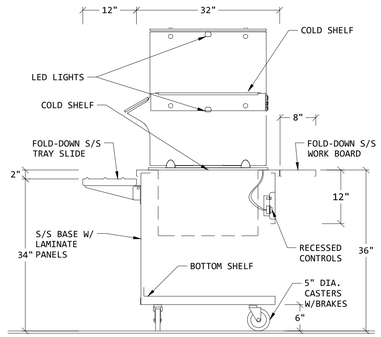
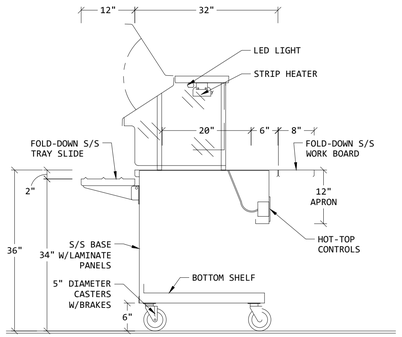


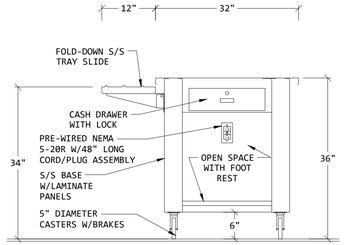
A MOBILE HOT FOOD COUNTER
REF: FS101 SCALE: 3/4"=1'-0"



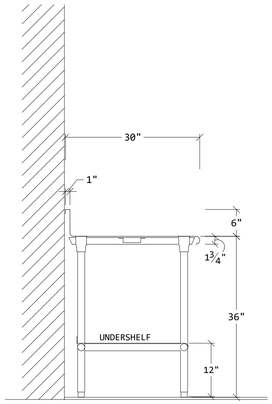
B MOBILE 2-TIER COLD SHELF COUNTER
REF: FS101 SCALE: 3/4"=1'-0"



C MOBILE HOT-TOP COUNTER
REF: FS101 SCALE: 3/4"=1'-0"

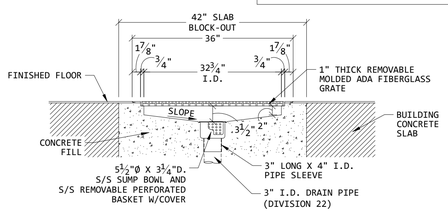


D MOBILE CASHIER COUNTER
REF: FS101 SCALE: 3/4"=1'-0"

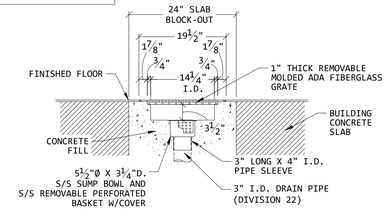


E WORK TABLE
REF: FS101 SCALE: 3/4"=1'-0"

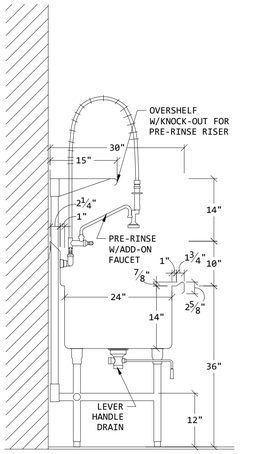
NOTE:
BLOCK-OUT CONCRETE SLAB DURING INITIAL POUR AS INDICATED ON FOOD SERVICE EQUIPMENT SLAB REQUIREMENTS PLAN (FS3.01) FOR PROPER INSTALLATION OF FLOOR TROUGH. TROUGH SHALL BE INSTALLED WITH TOP OF PERIMETER FLANGE FLUSH WITH BUILDING FLOOR.



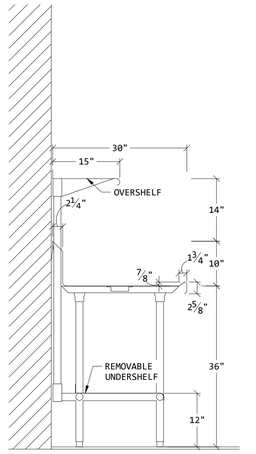
F STAINLESS STEEL FLOOR DRAIN TROUGH
REF: FS101 SCALE: 3/4" = 1'-0"



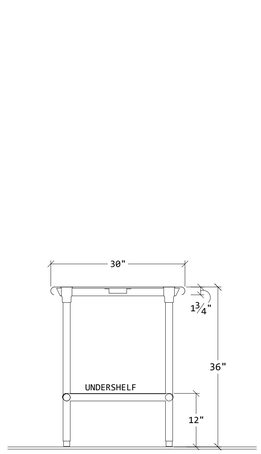
G STAINLESS STEEL FLOOR DRAIN TROUGH
REF: FS101 SCALE: 3/4" = 1'-0"



H 3-COMP. SINK W/OVERSHELF
REF: FS101 SCALE: 3/4"=1'-0"



I 3-COMP. SINK W/OVERSHELF
REF: FS101 SCALE: 3/4"=1'-0"



J WORK TABLE
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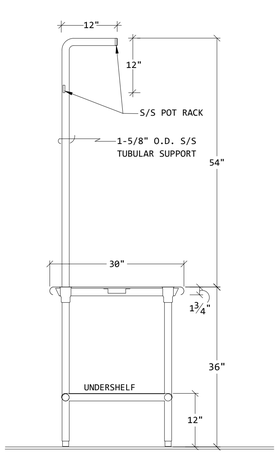
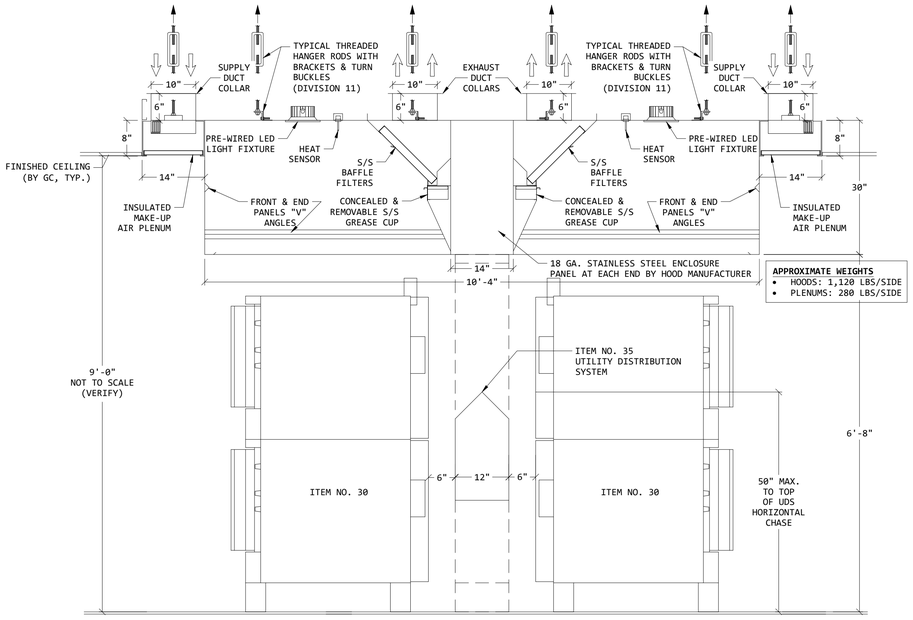
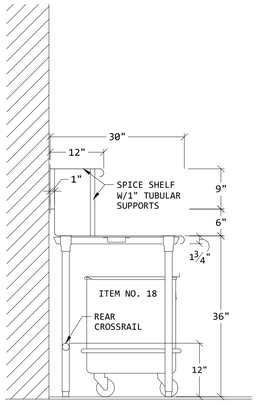


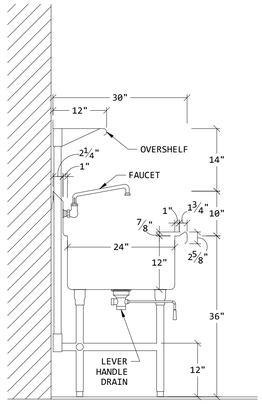
K WORK TABLE W/OVERHEAD POT RACK
REF: FS101 SCALE: 3/4"=1'-0"



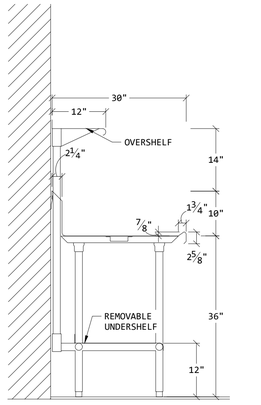
L UTILITY DISTRIBUTION SYSTEM / EXHAUST HOOD
REF: FS101 SCALE: 3/4"=1'-0"



M BAKER'S TABLE W/SPICE SHELF
REF: FS101 SCALE: 3/4"=1'-0"



N PREPARATION COUNTER W/SINKS & OVERSHELF
REF: FS101 SCALE: 3/4"=1'-0"



O PREPARATION COUNTER W/SINKS & OVERSHELF
REF: FS101 SCALE: 3/4"=1'-0"

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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BUILDING C FLOOR PLAN

SHEET # FS201

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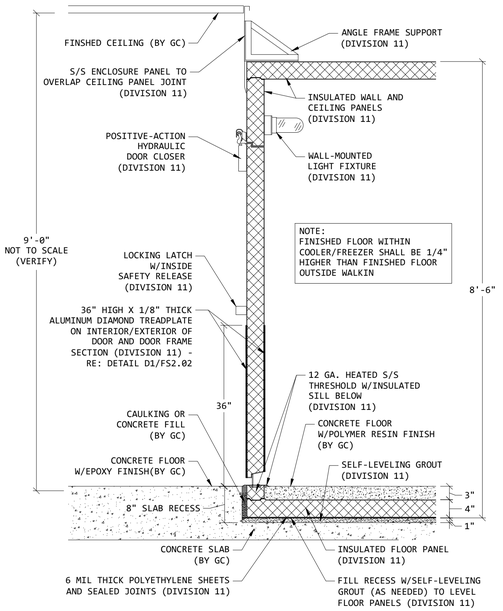
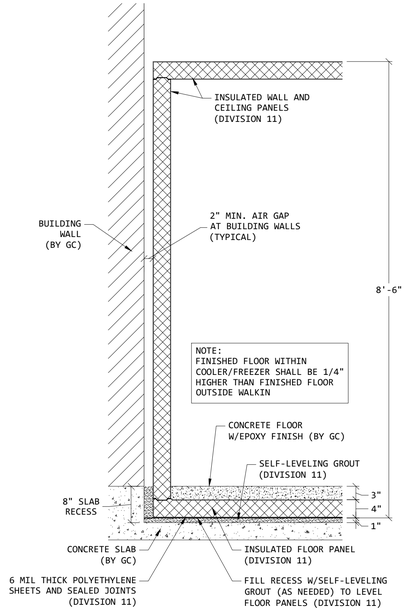
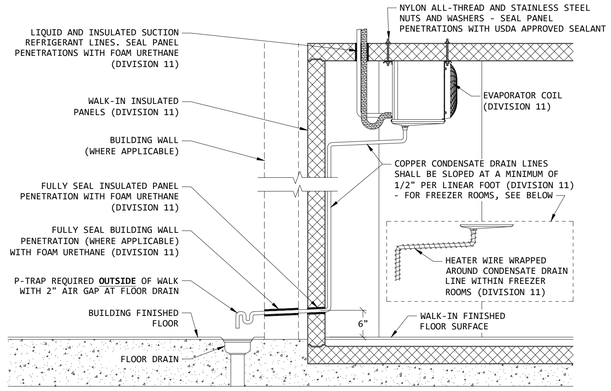


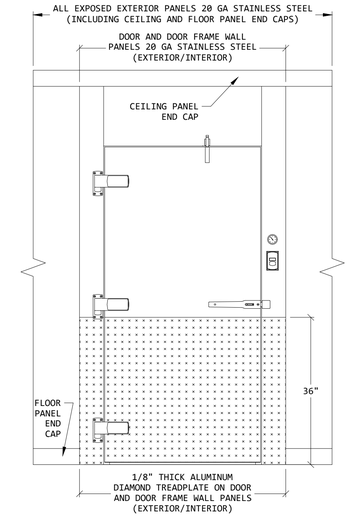
P WALK-IN COOLER/FREEZER AT COOLER ROOM DOOR
REF: FS101 SCALE: 3/4" = 1'-0"



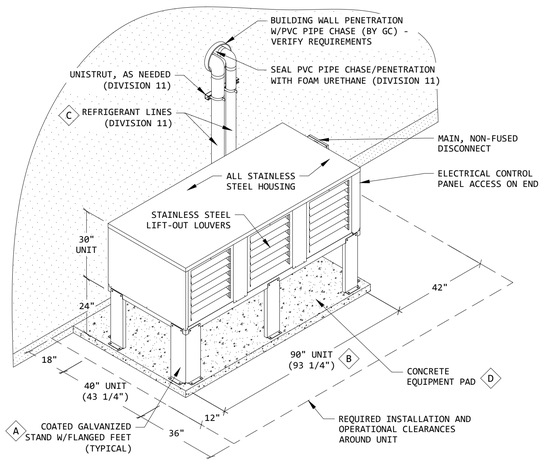
Q WALK-IN COOLER/FREEZER AT BUILDING WALL
REF: FS101 SCALE: 3/4" = 1'-0"



D1 WALK-IN COOLER/FREEZER CONDENSATE DRAIN & COIL INSTALLATION DETAIL
REF: FS401 NOT TO SCALE



D2 COOLER/FREEZER DOOR SECTION FINISHES DETAIL
REF: FS101 SCALE: NONE



D3 REMOTE REFRIGERATION SYSTEM INSTALLATION DETAIL
REF: FS101 SCALE: NONE

DETAIL KEYNOTES

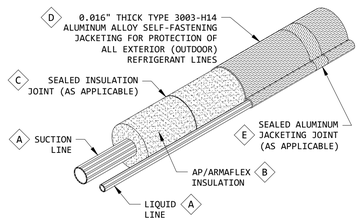
A. FLANGED FEET OF REFRIGERATION RACK STAND SHALL BE ANCHORED TO CONCRETE PAD BY DIVISION 11.

B. DIMENSIONS WITHIN BRACKETS ( ) INDICATES LENGTH OF UNIT + FLANGED FEET.

C. EXACT SIZE, QUANTITY, AND ROUTING OF REFRIGERANT LINES REQUIRED ARE PROJECT SPECIFIC AND SHALL BE FIELD VERIFIED.

RE: DETAILS D4 & D5, THIS SHEET FOR ADDITIONAL REQUIREMENTS.

D. CONCRETE EQUIPMENT PAD (PROVIDED BY GENERAL CONTRACTOR) SHALL ACCOMMODATE REMOTE REFRIGERATION UNIT WEIGHT OF 775 LBS.



D4 REFRIGERANT LINE INSULATION & JACKETING DETAIL
REF: FS202 SCALE: NONE

DETAIL KEYNOTES

A. ALL REFRIGERANT LINES SHALL BE RIGID REFRIGERANT GRADE TYPE "L" COPPER.

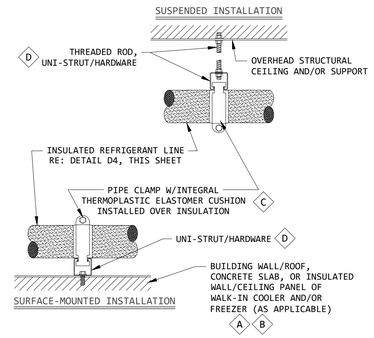
B. ALL REFRIGERANT LINES SUBJECT TO SWEATING SHALL BE FULLY INSULATED WITH AP/ARMAFLEX AS FOLLOWS:

- 3/4" (MINIMUM) FOR COOLER LINES; 1-1/2" FOR POORLY VENTILATED AREAS.
- 1" (MINIMUM) FOR FREEZER LINES; 2" FOR POORLY VENTILATED AREAS.

C. ALL JOINTS SHALL BE SEALED WITH GLUE IN ACCORDANCE WITH INSULATION MANUFACTURER'S RECOMMENDATIONS. DUCT TAPE AT JOINTS IS NOT ACCEPTABLE.

D. FURNISH AND INSTALL MATCHING ALUMINUM JACKETING ELBOW COVERS AT ALL EXTERIOR (OUTDOOR) REFRIGERANT PIPING ANGLES AND BENDS.

E. FURNISH AND INSTALL MATCHING ALUMINUM JACKETING STRAPPING AND SEALS AT ALL JOINTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



DETAIL KEYNOTES

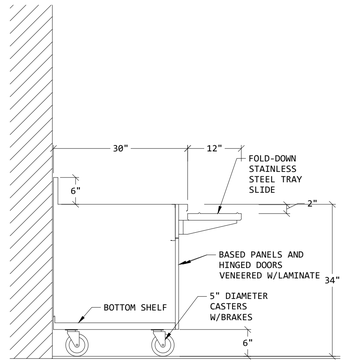
A. MOUNTING TO INSULATED CEILING PANELS NOT ALLOWED FOR OUTDOOR COOLER/FREEZER INSTALLATIONS AND SHALL BE AVOIDED WHENEVER POSSIBLE FOR INDOOR INSTALLATIONS. WHEN MOUNTING TO INSULATED WALL OR CEILING PANELS, HARDWARE SHALL NOT PENETRATE MORE THAN HALFWAY THROUGH PANEL DEPTH -- PENETRATIONS SHALL BE FILLED AND SEALED WITH USDA GRADE SILICONE TO PREVENT MOISTURE INTRUSION.

B. BUILDING ROOF PENETRATIONS (IF APPLICABLE) SHALL BE FILLED AND SEALED UTILIZING BEST INDUSTRY PRACTICES AND IN ACCORDANCE WITH LOCAL BUILDING CODES.

C. STANDARD PIPE CLAMPS MAY BE UTILIZED ON OUTDOOR ALUMINUM-JACKETED AND INSULATED REFRIGERANT LINES.

D. HARDWARE (NUTS, BOLTS) SHOWN FOR REFERENCE ONLY. FURNISH AND INSTALL NECESSARY STAINLESS STEEL HARDWARE IN A WORKMANLIKE MANNER AND IN COMPLIANCE WITH LOCAL BUILDING CODES TO MEET PROJECT REQUIREMENTS.

D5 REFRIGERANT LINE SUPPORT DETAIL
REF: FS202 SCALE: NONE



R MOBILE CONDIMENT COUNTER
REF: FS101 SCALE: 3/4"=1'-0"

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

BUILDING C FLOOR PLAN

SHEET # FS202

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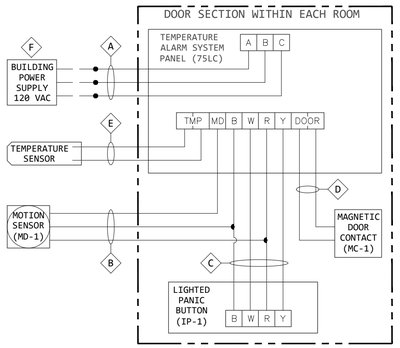


WIRING DIAGRAM KEYNOTES

A. 120-VOLT CONTROL WIRING FOR TEMPERATURE ALARM SYSTEM PANEL (75LC). LIGHTING RELAY RATED FOR 8.3A @120V.

B. 22 AWG LOW VOLTAGE CONTROL WIRING FOR MOTION SENSOR(S) (MD-1).

C. 22 AWG LOW VOLTAGE CONTROL WIRING FOR LIGHTED PANIC BUTTON(S) (IP-1).

D. 22 AWG LOW VOLTAGE CONTROL WIRING FOR MAGNETIC DOOR CONTACT(S) (MC-1).

E. 25' LONG MANUFACTURER FURNISHED TEMPERATURE PROBE/WIRE ASSEMBLY.

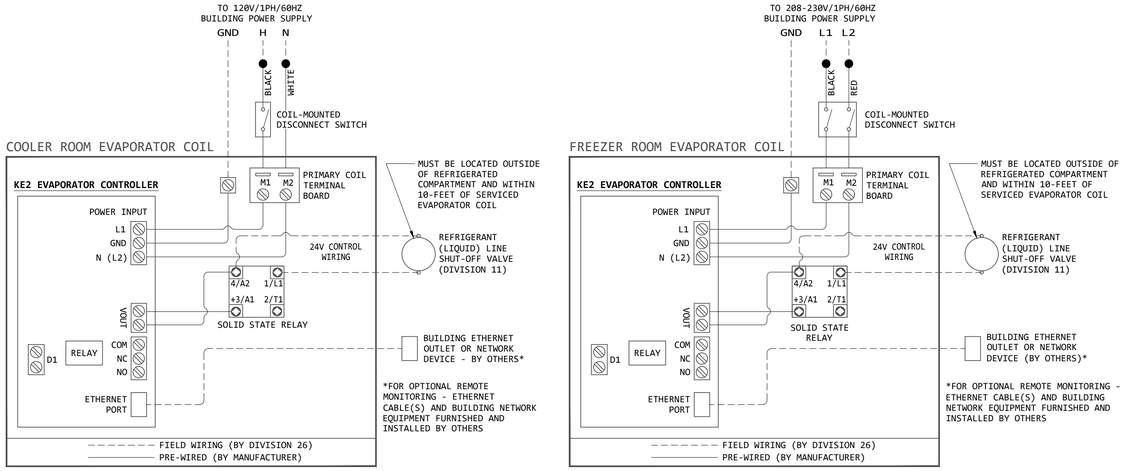
F. LOCATED ABOVE CEILING PANEL (FOR INDOOR INSTALLATIONS) OR BELOW CEILING PANEL (FOR OUTDOOR INSTALLATIONS).

LEGEND

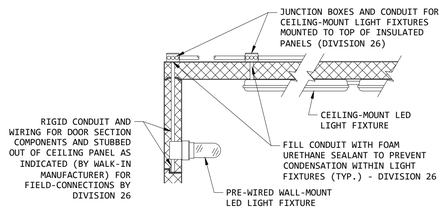
— — — FIELD WIRING (BY CONTRACTOR)
——— PRE-WIRED (BY MANUFACTURER)

NOTE:
WIRING DIAGRAM IS BASED ON SPECIFIED BASIS OF DESIGN EQUIPMENT - VERIFY REQUIREMENTS WITH MANUFACTURER SHOP DRAWINGS AND/OR AS-BUILT WIRING DIAGRAMS OF FURNISHED EQUIPMENT

D6 WALK-IN COOLER/FREEZER TEMPERATURE ALARM & LIGHT CONTROLS WIRING DIAGRAM
REF: FS401 SCALE: NONE

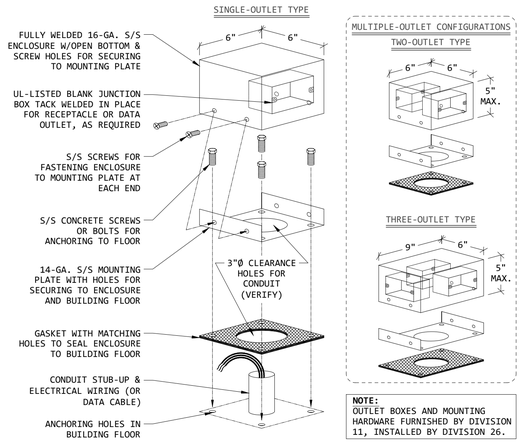


D7 WALK-IN COOLER AND FREEZER EVAPORATOR COIL ON-DEMAND CONTROLLER WIRING DIAGRAM
REF: FS401 SCALE: NONE



FOR INDOOR COOLER/FREEZER INSTALLATIONS

D8 WALK-IN COOLER/FREEZER LIGHT FIXTURES INSTALLATION
REF: FS401 SCALE: NONE



D9 S/S FLOOR MOUNTED OUTLET BOX DETAIL
REF: FS101, FS401 SCALE: NONE

WIRING DIAGRAM KEYNOTES

A. 20A 120V 3-WIRE POWER INPUT (DEDICATED) TO EXHAUST/SUPPLY FAN CONTROL PANEL.

B. FURNISH/INSTALL (4) 120-VOLT CONTROL WIRES FOR MAGNETIC STARTERS OF EXHAUST/SUPPLY FANS - DIVISION 26.

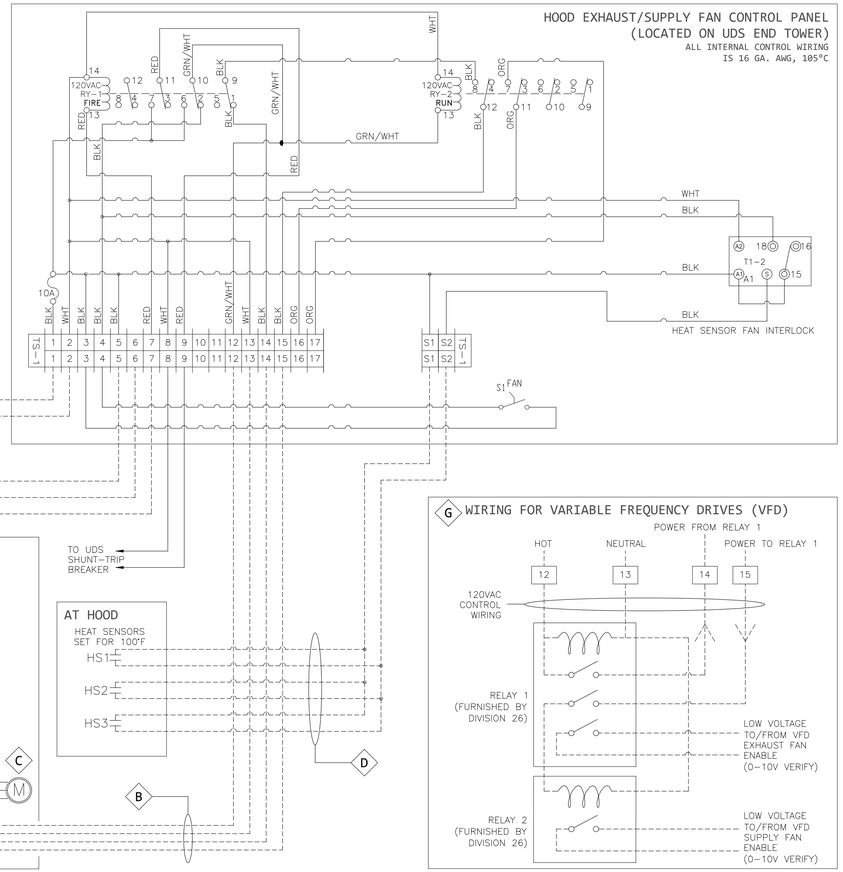
C. EXHAUST/SUPPLY FANS AND MAGNETIC STARTERS FURNISHED BY DIVISION 23.

D. FURNISH/INSTALL (2) CONTROL WIRES FOR HOOD-MOUNTED HEAT SENSORS - DIVISION 26. VERIFY QUANTITY OF HEAT SENSORS.

E. 3-PHASE POWER THRU STARTERS TO EXHAUST/SUPPLY FANS - DIVISION 26.

F. FURNISH/INSTALL (3)-WIRE CIRCUIT FROM ALARM ACTIVATED, C-FORM, DRY CONTACTS (LOCATED IN FIRE SUPPRESSION SYSTEM CABINET) TO FIRE SYSTEM INTERFACE OF EXHAUST/SUPPLY FAN CONTROL PANEL - DIVISION 26.

G. REFER TO VFD WIRING INSERT AT LOWER RIGHT OF DIAGRAM WHEN FAN PACKAGE IS FURNISHED WITH VARIABLE FREQUENCY DRIVES - DIVISION 26.



D10 EXHAUST HOOD CONTROL PANEL WIRING DIAGRAM
REF: FS401 SCALE: NONE

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

BUILDING C FLOOR PLAN

SHEET # FS203

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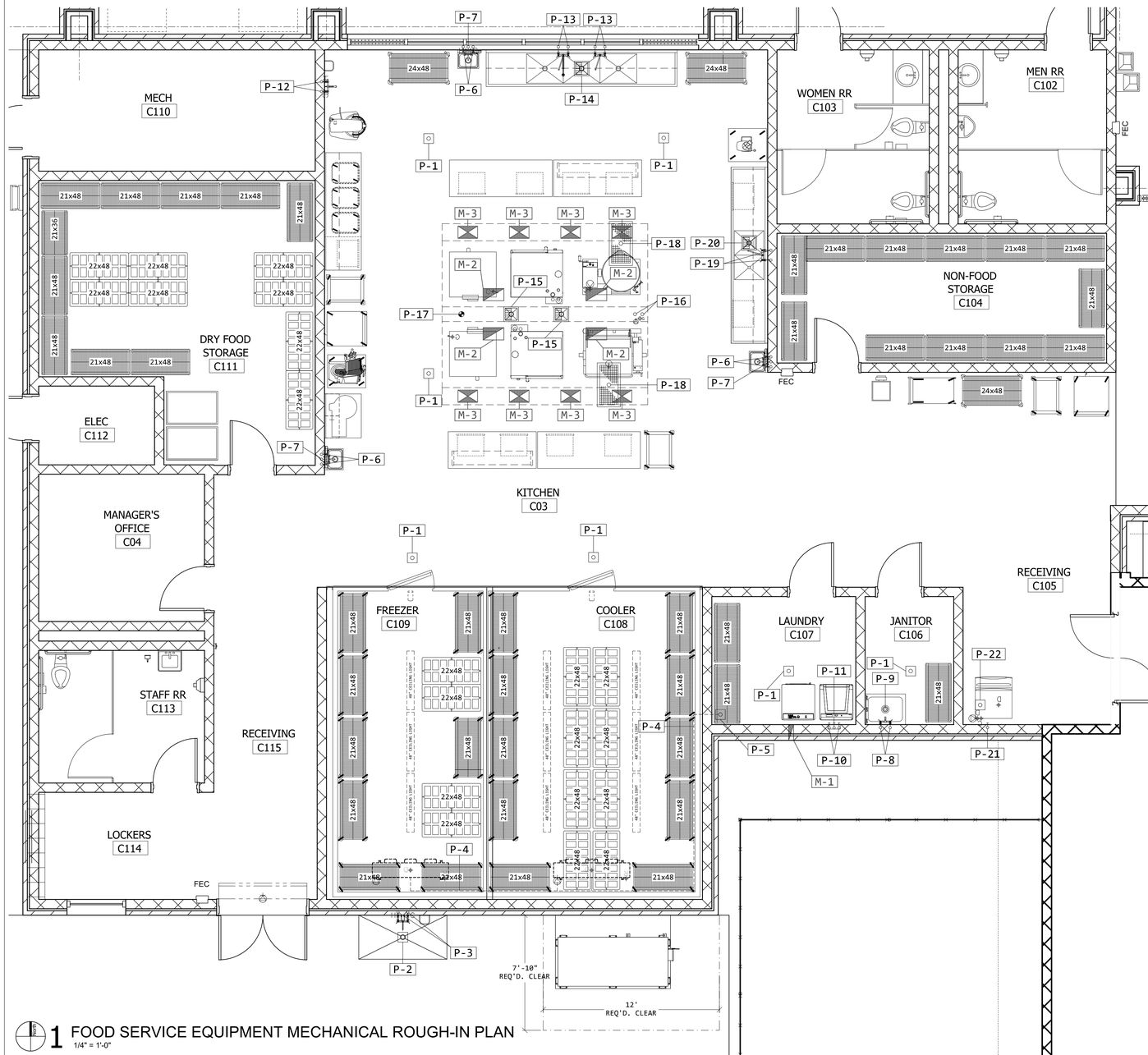
PLUMBING/MECHANICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
P-1		FD-A (AREA CLEAN-UP)	
P-2		FD-A (WITHIN RECESS) FOR CAN WASH AREA	
P-3	1	1/2" H & CW 36" AFF FOR EXTERIOR GRADE MIXING FAUCET (BY PLUMBING)	20A
P-4	8	3/4" TYPE "L" COPPER CONDENSATE DRAIN LINE FROM WALK-IN COOLER/FREEZER	
		EVAPORATOR COILS TO FLOOR DRAIN	9,10
P-5	8	FD-B FOR CONDENSATE DRAIN LINE OF WALK-IN COOLER/FREEZER	9,10
P-6	11	1/2" HW & CW 18" AFF FOR FAUCET OF EACH STAINLESS STEEL HAND SINK	7
P-7	11	1-1/2" DR 24-1/2" AFF FOR EACH STAINLESS STEEL HAND SINK	7
P-8	13	1/2" HW & CW 36" AFF FOR WALL-MOUNTED FAUCET OF STAINLESS STEEL FLOOR MOP SINK	7
P-9	13	2" IPS DRAIN 2-3/4" AFF FOR DRAIN ASSEMBLY OF STAINLESS STEEL FLOOR MOP SINK	
P-10	14	1/2" HW & CW 36" AFF FOR CLOTHES WASHER	
P-11	14	2" STAND PIPE DRAIN 36" AFF FOR CLOTHES WASHER	
P-12	25	1/2" HW & CW 36" AFF FOR MIXING FAUCET W/HOSE THREADS	20
P-13	27	1/2" HW & CW 18" AFF FOR EACH FAUCET OF 3-COMPARTMENT SINK	7
P-14	27	FS (3-CONNECTIONS) FOR DRAIN LINES OF 3-COMPARTMENT SINK	7,8
P-15	31	FS (2-CONNECTION) FOR DRAIN LINES OF COMBI-OVEN/STEAMER	14
P-16	35	1" HW & CW DFA FOR UTILITY DISTRIBUTION SYSTEM	15,16

PLUMBING/MECHANICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
P-17	35	2" NATURAL GAS DFA FOR UTILITY DISTRIBUTION SYSTEM - 940,000 BTU/HR AT 7" WC	
		PRESSURE	17,17A,18
P-18	38	3" PIPE DRAIN (WITHIN SLAB BLOCK-OUT) FOR EACH STAINLESS STEEL FLOOR DRAIN	
		TROUGH - REFER TO DETAILS F & G, SHEET FS201	19
P-19	39	1/2" HW & CW 18" AFF FOR FAUCET OF PREPARATION COUNTER SINKS	7
P-20	39	FS (2-CONNECTIONS) FOR DRAIN LINE OF PREPARATION COUNTER SINKS	7,8
P-21	44	3/8" CW 60" AFF FOR ICE MACHINE	11
P-22	44	FD-B FOR DRAIN LINES OF ICE MACHINE AND STORAGE BIN	12
M-1	15	4" DIA. GRAVITY VENT 12" AFF FOR CLOTHES DRYER	
M-2	36	10" X 17" EXHAUST DUCT COLLAR CONNECTION 9'-6" AFF FOR EXHAUST HOOD - 1,925	
		CFM EACH AT .75" SP (7,700 CFM TOTAL)	22-25
M-3	36	10" X 16" SUPPLY DUCT COLLAR CONNECTION 9'-6" AFF FOR SUPPLY PLENUM OF EXHAUST	
		HOOD - 770 CFM EACH AT .25 SP (6,160 CFM TOTAL)	22,23,26,27

REFER TO SHEET FS501 FOR PLUMBING & MECHANICAL ROUGH-IN NOTES



1 FOOD SERVICE EQUIPMENT MECHANICAL ROUGH-IN PLAN
1/4" = 1'-0"

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20 CLASSROOM ADDITION
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PROFESSIONAL OF RECORD

REVISIONS

BUILDING C FLOOR PLAN

SHEET # FS301

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Web: www.futchdesign.com
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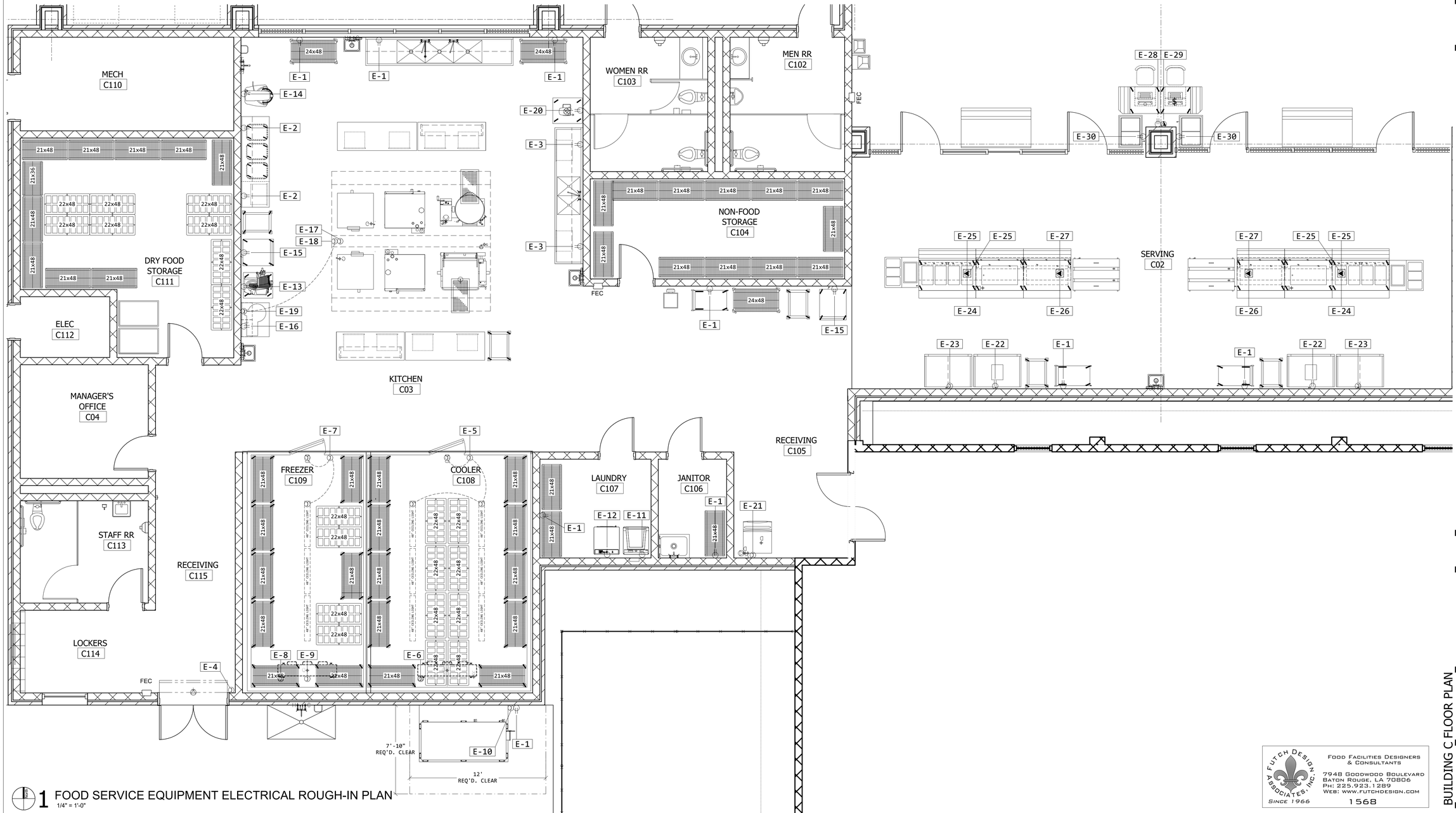
ELECTRICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
E-1	--	20A 120V CO 24" AFF	
E-2	--	20A 120V CO 46" AFF	
E-3	--	20A 120V CO 50" AFF	
E-4	3	10.2A 120V 90" AFF FOR AIR DOOR	7
E-5	8	5.9A 120V DFA FOR LIGHTS, DOOR HEATER, HEATED PRESSURE RELIEF PORT, AND	
		TEMPERATURE ALARM SYSTEM INSIDE WALK-IN COOLER ROOM	8-14
E-6	8	3A 120V DFA FOR EVAPORATOR COIL AND REFRIGERANT/LIQUID LINE SHUT-OFF VALVE OF	
		WALK-IN COOLER ROOM	8,10,11,15,16
E-7	8	5.9A 120V DFA FOR LIGHTS, DOOR HEATER, HEATED PRESSURE RELIEF PORT, AND	
		TEMPERATURE ALARM SYSTEM OF WALK-IN FREEZER ROOM	8-14
E-8	8	11.9A 208V 1-PH DFA FOR EVAPORATOR COIL AND REFRIGERANT/LIQUID LINE SHUT-OFF	
		VALVE OF WALK-IN FREEZER ROOM	8,10,11,15,16
E-9	8	2A 120V DFA FOR CONDENSATE DRAIN LINE HEATER OF WALK-IN FREEZER ROOM	8,10,11
E-10	9	36.1A (41.0 MCA/50A MOPD) 208V 3-PH 36" ABOVE CONCRETE PAD FOR REMOTE WALK-IN	
		COOLER/FREEZER REFRIGERATION SYSTEM	16,17
E-11	14	20A 120V 36" AFF FOR CLOTHES WASHER - NEMA 5-20R RECEPTACLE REQUIRED	
E-12	15	30A 120/208V 36" AFF FOR CLOTHES DRYER - NEMA L14-30R RECEPTACLE REQUIRED	

ELECTRICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
E-13	16	5.6A 120V 24" AFF FOR SLICER - NEMA 5-20R RECEPTACLE REQUIRED	
E-14	17	5.6A 208V 3-PH 24" AFF FOR 40-QUART MIXER - NEMA L15-20R REQUIRED	6
E-15	21	16A 120V 50" AFF FOR MOBILE PROOFER HEATED CABINET - NEMA 5-20R REQUIRED	
E-16	24	13A 120V 24" AFF FOR FOOD CUTTER - NEMA 5-20R RECEPTACLE REQUIRED	
E-17	35	100A 120/208V 3-PH (4-WIRES+GROUND) DFA FOR UTILITY DISTRIBUTION SYSTEM	19-24
E-18	35/36	20A 120V CIRCUIT (24-HR SERVICE) DFA FOR EXHAUST/SUPPLY FAN CONTROL PANEL OF	
		EXHAUST HOOD	25-30
E-19	37	TERMINAL BLOCK DFA FOR FIRE SUPPRESSION SYSTEM	30-31
E-20	40	12A 120V 50" AFF FOR FOOD PROCESSOR - NEMA 5-20R RECEPTACLE REQUIRED	
E-21	44	11.5A 120V 72" AFF FOR ICE MACHINE	
E-22	45	11.1A 120V 90" AFF FOR EACH REACH-IN REFRIGERATOR - NEMA 5-20R REQUIRED	
E-23	46	14.4A 208V 1-PH (3-WIRES+GROUND) 90" AFF FOR EACH REACH-IN WARMER	
E-24	48/48A	18A 208V 1-PH 4" AFF FOR BUILT-IN NEMA 6-30 RECEPTACLE OF STAINLESS STEEL	
		FLOOR OUTLET BOX FOR HOT FOOD WELLS, HEAT LAMP AND LED LIGHTS	32
E-25	49/48A	8A 120V 4" AFF FOR EACH BUILT-IN NEMA 5-20 RECEPTACLE OF STAINLESS STEEL FLOOR	
		OUTLET BOX FOR FROST TOP AND LED LIGHTS	32

ELECTRICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
E-26	50/50A	12.2A 120V 4" AFF FOR BUILT-IN NEMA 5-20 RECEPTACLE OF STAINLESS STEEL FLOOR	
		OUTLET BOX FOR HOT-TOP, HEAT LAMP AND LED LIGHTS OF FOOD GUARD	32
E-27	51/50A	2.5A 120V 4" AFF FOR BUILT-IN NEMA 5-20 RECEPTACLE OF STAINLESS STEEL FLOOR	
		OUTLET BOX FOR MOBILE MILK COOLER	32
E-28	52	20A 120V COMPUTER GRADE CIRCUIT 24" AFF FOR MOBILE CASHIER COUNTER	
E-29	52	CAT-6 DATA CIRCUIT 24" AFF FOR EACH P.O.S. UNIT	
E-30	56	20A 120V CIRCUIT 24" AFF FOR EACH NOVELTY ICE CREAM CABINET (BY VENDOR) NEMA	
		5-20R REQUIRED	

REFER TO SHEET FS501 FOR ELECTRICAL ROUGH-IN NOTES



1 FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN
1/4" = 1'-0"

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

BUILDING C FLOOR PLAN

SHEET # FS401

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PLUMBING/MECHANICAL ROUGH-IN NOTES

1. ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED (INCLUDING EXISTING AND FUTURE EQUIPMENT) PLUS AREA CLEAN-UP FLOOR DRAINS. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
2. WHERE POSSIBLE, ALL PLUMBING LINES SHALL EXTEND UP THROUGH AND OUT OF BUILDING WALLS.
3. EXTEND AND CONNECT ALL PLUMBING LINES TO CONNECTION POINTS OF FOOD SERVICE EQUIPMENT - DIVISION 22.
4. FURNISH AND INSTALL LINE SHUT-OFF VALVES ON ALL PLUMBING LINES AT EACH FIXTURE - DIVISION 22.
5. EXTEND WATER LINES THROUGH VACUUM BREAKERS (FURNISHED BY DIVISION 11) WHERE INLETS ARE SUBJECT TO SUBMERSION - DIVISION 22.
6. FURNISH WATER INLET VALVES, TEMPERATURE GAUGES, PRESSURE REDUCING VALVES (FOR LOWER PRESSURES THAN INDICATED ON DRAWINGS), MIXING VALVES, AND ACCESSORIES REQUIRED FOR OPERATION OF EQUIPMENT - DIVISION 11.
7. FURNISH SINK FAUCETS, TAIL PIECES, LEVER HANDLE DRAINS AND VACUUM BREAKERS - DIVISION 11.
8. FURNISH AND INSTALL 2" DRAIN LINE EXTENSIONS FROM SINK REQUIRING OPEN SITE DRAINS TO BUILDING FLOOR SINK - DIVISION 22. 2" AIR-GAP REQUIRED.
9. SLOPE CONDENSATE DRAIN LINES GENEROUSLY (1/2" PER LINEAL FOOT MINIMUM) FROM WALK-IN COOLER AND FREEZER COILS TO 6" ABOVE WALK-IN FLOOR AND EXTEND THROUGH WALK-IN PANELS AND BUILDING WALLS (WHERE APPLICABLE) TO FLOOR DRAIN - DIVISION 11. DRAIN LINE TRAP AND 2" AIR-GAP REQUIRED. RE: DETAIL D1, SHEET FS202.
10. WALK-IN PANEL PENETRATIONS FOR REFRIGERANT PIPING AND DRAIN LINES SHALL BE SEALED WITH FOAM URETHANE
11. WATER LINE SHALL BE PIPED THROUGH WATER FILTER (FURNISHED BY DIVISION 11) TO EQUIPMENT - DIVISION 22
12. FURNISH AND INSTALL 1/2" AND 3/4" DRAIN LINES FROM ICE MACHINE AND STORAGE BIN TO FLOOR DRAIN - DIVISION 22. 2" AIR-GAP REQUIRED.
13. SPARE NUMBER
14. FURNISH AND INSTALL 2" DRAIN LINES FROM EACH OF TWO (2) COMBI-OVEN/STEAMER TO FLOOR SINK - DIVISION 22. 2" AIR-GAP REQUIRED.
15. TEST INTERNAL WATER PIPING OF UDS (FURNISHED BY DIVISION 11) FOR LEAKS CAUSED BY SHIPPING AND TIGHTEN AS REQUIRED - DIVISION 22.
16. CONNECT WATER QUICK-DISCONNECT HOSE ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT - DIVISION 22.
17. INSTALL MECHANICAL GAS SHUT-OFF VALVE (FURNISHED BY DIVISION 11) OF FIRE EXTINGUISHING SYSTEM ON INCOMING GAS LINE TO UDS - DIVISION 22.

17A. FURNISH AND INSTALL PRESSURE REGULATOR ON INCOMING GAS LINE TO UDS FOR PRESSURE EXCEEDING THE REQUIREMENTS INDICATED (7" WC) - DIVISION 22.

18. CONNECT GAS QUICK-DISCONNECT HOSE ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT - DIVISION 22.
19. INSTALL STAINLESS STEEL FLOOR DRAIN TROUGH (FURNISHED BY DIVISION 11) WITH TOP OF PERIMETER FLANGE FLUSH WITH ADJACENT FINISHED FLOOR - DIVISION 22.
20. INSTALL WALL-MOUNTED MIXING FAUCET WITH VACUUM BREAKER AND HOSE THREADS (FURNISHED BY DIVISION 11) - DIVISION 22.

20A. FURNISH AND INSTALL WALL-MOUNTED MIXING FAUCET WITH VACUUM BREAKER AND HOSE THREADS - DIVISION 22.

21. FURNISH AND INSTALL WATER TEMPERING VALVES ON INCOMING WATER LINES TO STUDENT HAND WASH SINKS - DIVISION 22.
22. FURNISH AND INSTALL EXHAUST/SUPPLY FANS AND DUCTWORK (INDEPENDENT OF BUILDING HVAC SYSTEM) TO MEET REQUIREMENTS INDICATED - DIVISION 23.
23. EXHAUST/SUPPLY FAN CONTROL PANELS AND SWITCHES FOR EXHAUST HOODS SHALL BE FURNISHED BY DIVISION 11, THEREFORE NOT REQUIRED BY MANUFACTURER OF EXHAUST/SUPPLY FAN PACKAGE.
24. EXHAUST DUCTS SHALL BE WELDED TO DUCT COLLARS OF EXHAUST HOODS ABOVE COOKING EQUIPMENT IN ACCORDANCE WITH LATEST EDITIONS OF NFPA 96 - DIVISION 23.
25. FURNISH AND INSTALL AUTOMATIC WET CHEMICAL FIRE EXTINGUISHING SYSTEM FOR EXHAUST HOOD OVER COOKING EQUIPMENT TO MEET UL STANDARD 300, LATEST EDITIONS OF NFPA PAMPHLET NOS. 96 AND 17A, AND ALL OTHER APPLICABLE FIRE CODES - DIVISION 11.
26. TEMPERING OF SUPPLY AIR SHALL BE IN ACCORDANCE WITH HVAC DESIGN REQUIREMENTS - DIVISION 23.
27. ALL HVAC CEILING REGISTERS ARE TO BE DIRECTED AWAY FROM EXHAUST HOOD IN ACCORDANCE WITH CHAPTER 31 KITCHEN VENTILATION OF ASHRAE APPLICATIONS HANDBOOK, DATED 2007 - DIVISION 23.

PLUMBING/MECHANICAL ROUGH-IN SYMBOLS & ABBREVIATIONS

CW	COLD WATER	BTU/HR	BRITISH THERMAL UNIT PER HOUR
HW	HOT WATER	WC	WATER COLUMN GAS PRESSURE
GPM	GALLONS PER MINUTE		EXHAUST DUCT OPENING
GPH	GALLONS PER HOUR		SUPPLY DUCT OPENING
PSI	POUNDS PER SQUARE INCH	CFM	CUBIC FEET PER MINUTE
DR	DIRECT CONNECTED DRAIN	SP	STATIC PRESSURE
FD-A	FLOOR DRAIN W/FLUSH MOUNTED GRATE	AFF	ABOVE FINISHED FLOOR
FD-B	FLOOR DRAIN W/RECESSED GRATE	DFA	DOWN FROM ABOVE
FS	FLOOR SINK W/DOME STRAINER	UDS	UTILITY DISTRIBUTION SYSTEM

ELECTRICAL ROUGH-IN NOTES

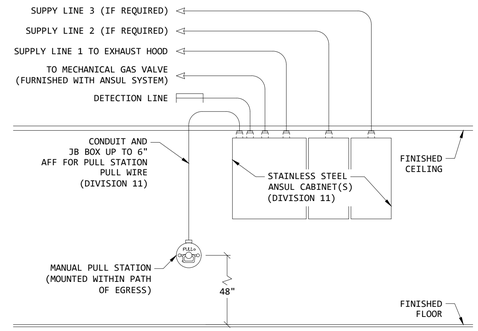
1. ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED (INCLUDING EXISTING AND FUTURE EQUIPMENT) PLUS ELECTRICAL CONVENIENCE OUTLETS. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
2. WHERE POSSIBLE, ALL ELECTRICAL CONDUIT/WIRING SHALL BE EXTENDED UP THROUGH AND OUT OF BUILDING WALLS.
3. EXTEND AND CONNECT WIRING FROM JUNCTION BOXES TO CONNECTION POINTS ON FOOD SERVICE EQUIPMENT - DIVISION 26.
4. WALL-MOUNTED JUNCTION BOXES SHALL BE RECESSED IN BUILDING WALL SO THAT EQUIPMENT CAN BE INSTALLED AGAINST WALLS.
5. FURNISH AND INSTALL ALL NECESSARY LINE DISCONNECT SWITCHES, UNLESS SPECIFIED OTHERWISE - DIVISION 26.
6. INSTALL CORD/PLUG ASSEMBLIES (FURNISHED BY DIVISION 11) TO FOOD SERVICE EQUIPMENT WHERE REQUIRED - DIVISION 26.
7. INSTALL MICRO-SWITCH (FURNISHED BY MANUFACTURER) AT DOOR OPENING FOR ON/OFF OPERATION - DIVISION 26.
8. FURNISH AND INSTALL CONDUIT, JUNCTION BOXES, AND FIELD WIRING FOR COILS, CEILING-MOUNTED LIGHT FIXTURES, PRESSURE RELIEF PORTS, AND FREEZER DRAIN LINE HEATERS (FURNISHED BY DIVISION 11) OF WALK-IN COOLERS/AND FREEZERS - DIVISION 26.
9. HORIZONTAL RUNS OF CONDUIT FOR CEILING-MOUNTED LIGHT FIXTURES SHALL BE MOUNTED ON TOP OF WALK-IN CEILING PANELS - DIVISION 26.
10. ELECTRICAL CONDUIT WITHIN WALK-IN SHALL BE FILLED (INSIDE CONDUIT) WITH FOAM URETHANE TO PREVENT CONDENSATION - DIVISION 26.
11. PENETRATIONS OF WALK-IN CEILING/WALL PANELS SHALL BE SEALED WITH USDA-APPROVED SEALANT.
12. FURNISH AND INSTALL JUNCTION BOX ON TOP OF WALK-IN COOLER/FREEZER FOR POWER SOURCE OF TEMPERATURE ALARM SYSTEM (FURNISHED BY DIVISION 11) - DIVISION 26.
13. FURNISH AND INSTALL 18 GAUGE WIRING AND TEMPERATURE SENSORS OF TEMPERATURE ALARM SYSTEMS IN ACCORDANCE WITH SPECIFICATIONS - DIVISION 11.
14. REFER TO DETAIL D6, SHEET FS203FOR ADDITIONAL INFORMATION AND REQUIREMENTS - DIVISIONS 11 & 26.
15. WALK-IN COOLER AND FREEZER EVAPORATOR COILS SPECIFIED INCLUDE PRE-WIRED ON-DEMAND DEFROST CONTROLLERS - OFF CYCLE/AIR (FOR COOLER) AND ELECTRIC HEAT (FOR FREEZER).
16. FURNISH AND INSTALL TWO (2) CONTROL WIRES FROM EVAPORATOR COIL TO ELECTRIC SHUT-OFF VALVE (FIELD INSTALLED ON REFRIGERANT LIQUID LINE BY DIVISION 11) LOCATED OUTSIDE REFRIGERATED ROOM - DIVISION 26. RE: DETAIL D7, SHEET FS203 FOR ADDITIONAL REQUIREMENTS.
17. REMOTE REFRIGERATION SYSTEM SHALL INCLUDE PRE-WIRED UL-LISTED CIRCUIT BREAKERS AND NON-FUSED LINE DISCONNECT SWITCH - DIVISION 11.
18. SPARE NUMBER
19. FURNISH AND INSTALL MAIN SERVICE FEEDERS AND OVERLOAD PROTECTION DEVICES FOR CONTINUOUS OPERATING LOAD OF UTILITY DISTRIBUTION SYSTEM (UDS) - DIVISION 26. LOADS (INCLUDING RESERVE POWER) INDICATED ON DRAWINGS ARE CALCULATED AT AND/OR EXCEED 125% OF CONTINUOUS OPERATING LOAD OF EQUIPMENT.
20. INSPECT UDS FOR LOOSE CONNECTIONS (CAUSED BY SHIPPING) AND TIGHTEN AS REQUIRED - DIVISION 26.
21. INTERCONNECT ELECTRICAL FIELD JOINT OF UDS BY BOLTING BUS BARS AND/OR CABLE BUS WIRING TOGETHER - DIVISION 26. FITTINGS, BOLTS, QUICK-DISCONNECT DEVICES, ETC. SHALL BE SUPPLIED AND PRE-FITTED WITH UDS.
22. UDS SHALL BE EQUIPPED WITH SINGLE-POINT CONNECTIONS, MAIN ELECTRICAL DISCONNECT, POINT-OF-USE CIRCUIT BREAKERS, AND POWER SHUT-OFF DEVICE (SHUNT TRIP BREAKER). POWER TO COOKING EQUIPMENT SHALL SHUT OFF WHEN ACTIVATED BY FIRE EXTINGUISHING AND/OR BUILDING FIRE ALARM SYSTEMS.
23. CONNECT FLEX CONDUIT W/LEADS AND/OR CORD/PLUG ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT WHERE REQUIRED. DIVISION 26.
24. FURNISH AND INSTALL THREE (3) 120-VOLT WIRES FROM PRE-WIRED LIGHT SWITCH MOUNTED ON END RISER OF UDS TO JUNCTION BOXES (4-LOCATIONS) LOCATED ON TOP OF EXHAUST HOOD FOR PRE-WIRED EXHAUST HOOD LIGHTS - DIVISION 26.
25. WIRING OF EXHAUST AND SUPPLY FANS FOR EXHAUST HOOD SHALL BE INTERLOCKED TO MAINTAIN PROPER AIR BALANCE IN KITCHEN - DIVISION 26.
26. MAGNETIC STARTERS (OR VFDS) OF EXHAUST/SUPPLY FANS SHALL BE FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
27. FURNISH AND INSTALL CONTROL WIRES FROM EXHAUST HOOD CONTROL PANEL (MOUNTED ON UDS) TO MAGNETIC STARTERS (OR VFDS) OF EXHAUST/SUPPLY FAN PACKAGE (FURNISHED BY DIVISION 23) - DIVISION 26.
28. FURNISH AND INSTALL TWO (2) CONTROL WIRES FROM EXHAUST HOOD CONTROL PANEL TO EACH OF FOUR (4) HEAT SENSORS MOUNTED IN EXHAUST HOOD - DIVISION 26.
29. EXHAUST/SUPPLY FAN CONTROL PANELS AND SWITCHES FOR EXHAUST HOODS SHALL BE FURNISHED BY DIVISION 11, THEREFORE NOT REQUIRED BY MANUFACTURER OF EXHAUST/SUPPLY FAN PACKAGE.
30. REFER TO EXHAUST HOOD CONTROL PANEL WIRING DIAGRAM D10, SHEET FS203 FOR ADDITIONAL REQUIREMENTS - DIVISION 26.
31. FURNISH AND INSTALL THREE (3) 120-VOLT CONTROL WIRES FROM TERMINAL BLOCK OF FIRE SUPPRESSION SYSTEM TO FIRE SYSTEM INTERFACE OF EXHAUST HOOD CONTROL PANEL - DIVISION 26. EXHAUST FANS SHALL BE ACTIVATED AND SUPPLY FANS SHALL BE DE-ACTIVATED IN THE EVENT OF A FIRE.
32. INSTALL FLOOR MOUNTED STAINLESS STEEL OUTLET BOX/RECEPTACLES (FURNISHED BY DIVISION 11) - DIVISION 26. RE: DETAIL D9, SHEET FS203 FOR ADDITIONAL REQUIREMENTS.

ELECTRICAL ROUGH-IN SYMBOLS & ABBREVIATIONS

J	JUNCTION BOX
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	STAINLESS STEEL FLOOR OUTLET BOX
V	VOLTS
PH	PHASE
KW	KILOWATT
MCA	MINIMUM CIRCUIT AMPACITY
CO	CONVENIENCE OUTLET
AFF	ABOVE FINISHED FLOOR
DFA	DOWN FROM ABOVE
UDS	UTILITY DISTRIBUTION SYSTEM
VFDS	VARIABLE FREQUENCY DRIVES

DIAGRAM GENERAL NOTES

1. REFER TO FLOOR PLAN FOR LOCATION OF ANSUL CABINETS AND MANUAL PULL STATION.
2. NUMBER OF ANSUL CABINETS REQUIRED SHALL BE DETERMINED BY SUPPLIER.
3. CONTRACTOR SHALL FURNISH AND INSTALL CLASS K FIRE EXTINGUISHER WITH WALL BRACKET.



D11 EXHAUST HOOD FIRE SUPPRESSION SYSTEM DIAGRAM
REF: FS101 SCALE: NONE

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

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SHEET # FS501

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GENERAL MECHANICAL NOTES:

1. ALL INSTALLATION OF DUCTWORK IS TO TAKE PRECEDENCE OVER THE INSTALLATION OF ALL PLUMBING LINES (EXCEPT GRADE SENSITIVE LINES), ELECTRICAL CONDUIT, AND SPRINKLER LINES, MECHANICAL CONTRACTOR TO COORDINATE IN FIELD WITH ALL DISCIPLINES PRIOR AND DURING CONSTRUCTION.
2. MECHANICAL CONTRACTOR TO PROVIDE INSULATED SHEET METAL PLENUM OF REAR OF SUPPLY GRILLE AND TAP INTO SIDE OF PLENUM WITH BRANCH DUCT. REFER TO DRAWINGS FOR SIZE OF BRANCH DUCT. CONTRACTOR TO USE THIS SETUP ONLY WHEN THE CEILING SPACE DOES NOT ALLOW FOR A SMOOTH ROUND RADIUS ELBOW DOWN TO SUPPLY GRILLE. REFER TO TYPICAL DETAIL.
3. FLEXIBLE DUCT SHALL NOT PENETRATE ANY WALLS UNLESS SUBMITTED ON FOR PRIOR APPROVAL TO BOTH THE ARCHITECT AND THE MECHANICAL ENGINEER.
4. SHEET METAL DUCTWORK SHALL NOT BE SHOP FABRICATED UNTIL FIELD MEASURMENTS HAVE BEEN VERIFIED BY MECHANICAL CONTRACTOR.
5. ALL CONDENSATE LINES SHALL BE INSULATED, THIS PROJECT. INSULATION TO BE CELLULAR FOAM UNLESS OTHERWISE NOTED IN SPECIFICATIONS. ALL CONDENSATE LINES TO BE INSULATED COPPER. REFER TO SCHEDULES FOR SIZES. SUPPORT CONDENSATE DRAIN WITH UNISTRUT PIPE SUPPORT EVERY 4'–0" AND AT EVERY TURN. PROVIDE NEOPRENE SLEEVE BETWEEN UNISTRUT AND COPPER CONDENSATE LINE. SUPPORTS NOT SHOWN FOR CLARITY.
6. MECHANICAL CONTRACTOR TO COORDINATE WITH PLUMBING CONTRACTOR ON EXACT LOCATION OF ALL FLOOR/HUB DRAINS AS NOT TO CONFLICT WITH MECHANICAL EQUIPMENT AND EQUIPMENT PADS. FLOOR DRAIN LOCATION BASED ON EQUIPMENT ON DRAWINGS. IF DIFFERENT EQUIPMENT IS USED ON JOB PLUMBING CONTRACTOR SHALL COORDINATE NEW FLOOR/HUB DRAIN LOCATION AS NOT TO CONFLICT WITH NEW EQUIPMENT.
7. MECHANICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR ON LOCATION OF ALL FIRE WALL PENETRATIONS BY DUCT. MECHANICAL CONTRACTOR TO PROVIDE 2 HR FIRE DAMPER IN DUCT, TYPICAL ALL FIREWALL PENETRATIONS. GENERAL CONTRACTOR TO FRAME OUT AS REQUIRED FOR DUCTS TO PENETRATE FIREWALL. REFER TO DRAWINGS FOR EXACT LOCATION. REFER TO ARCHITECTURAL LIFE SAFETY PLANS ON SHEET LS100 OR AS NOTED ON DRAWINGS.
8. ALL EQUIPMENT SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS SO AS TO MAINTAIN GUARANTEES, PROVIDE ADDITIONAL SUPPORTS, DRAINS, EQUIPMENT, ETC. TO CONFORM TO MANUFACTURERS RECOMMENDED INSTALLATION. CONTRACTOR IS TO PROVIDE AND INSTALL ALL SUPPORTS AND HANGERS THAT ARE REQUIRED FOR A PROPER INSTALLATION.
9. DUCTWORK & PIPING RUNS ARE SHOWN DIAGRAMMATICALLY. MECHANICAL CONTRACTOR SHALL ROUTE IN MOST DIRECT MANNER AVOIDING ANY OBSTRUCTIONS NOT INDICATED.
10. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION BETWEEN THE ELECTRICAL AND OTHER TRADES, ESPECIALLY COORDINATION CONCERNING PENETRATIONS OF THE WALLS AND FLOORS WITH PIPE AND DUCTWORK.
11. ALL MODEL NUMBERS SHOWN FOR SPECIFIC MANUFACTURER'S REPRESENT THE TYPE AND QUALITY OF EQUIPMENT TO BE USED. SUBMIT FOR PRIOR APPROVAL ANY EQUIPMENT BEFORE BIDDING.
12. COORDINATE ALL UNDERGROUND PIPE (SEWER, GAS, WATER, ETC.) WORK WITH EXISTING UNDERGROUND WORK EG. FEEDER CIRCUITS, SEWER, GAS, TELEPHONE, WATER, DRAINAGE (ETC.) LOCATE ALL UNDERGROUND UTILITIES BEFORE WORK TO THIS PROJECT. MARKED UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO PLACE BACK IN ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CONSTRUCTION CONTRACT. **UNMARKED UTILITIES DAMAGED WILL BE REPAIRED BY THE CONTRACTOR.**
13. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT WITH ALL OTHER DIVISIONS. SHOULD CONFLICTS ARISE WHICH CANNOT BE CORRECTED WITH MINOR DEVIATIONS. THE CONTRACTOR SHALL CALL THESE CONFLICTS TO THE DESIGNER'S ATTENTION BEFORE PROCEEDING. ALL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND/OR MOUNTING DETAILS SHOWN WITH MODIFICATIONS OF SAME AS REQUIRED TO SUIT FINISHED CONDITIONS.
14. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE MECHANICAL EQUIPMENT AS SHOWN OR DETAILED BY THE CONTRACT DOCUMENTS FOR THIS PROJECT. WHERE SPACE OR SPARE DEVICES ARE SHOWN, CONTRACTOR SHALL PROVIDE.
15. MECHANICAL CONTRACTOR SHALL PROVIDE PERMANENT LAMINATED LABELS FOR ALL EQUIPMENT THIS PROJECT (I.E. AIR HANDLING UNITS, CONDENSING UNITS, ETC.). LABELING SHALL BE A MINIMUM OF 3/8" ENGRAVED BLACK LETTERS ON WHITE BACKGROUND. LABELS SHALL BE CONSTRUCTED OF MINIMUM 1" WIDE BY LENGTH AS REQUIRED LAMINATED PLASTIC SECURELY FASTENED TO DEVICE WITH STAINLESS STEEL HARDWARE. PRESSURE SENSITIVE "STICK ON" LABELS SHALL NOT BE ALLOWED.
16. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT AND PIPE PENETRATIONS (WALL, FLOOR) WITH ALL OTHER DISCILPLINES IN FIELD PRIOR TO INSTALLATION.
17. REFER TO ARCHITECT FOR MOUNTING HEIGHT OF ALL SIDEWALL GRILLES & REGISTERS.
18. THE USE OF THE TERM "PROVIDE" SHALL MEAN TO "FURNISH AND INSTALL THE ASSOCIATED DEVICE OR EQUIPMENT, COMPLETE AND READY FOR THE INTENDED USE".
19. CONTRACTOR SHALL BE AWARE THAT SPACE IS LIMITED THIS PROJECT. CONTRACTOR SHALL CAREFULLY REVIEW THE SPACE PROVIDED FOR THE DUCTWORK AND PIPE THIS PROJECT AND MAKE REQUIRED ALLOWANCES FOR THE SIZE OF MECHANICAL EQUIPMENT TO BE PROVIDED BEFORE BIDDING.
20. **MANUAL VOLUME DAMPER ACCESS IN INACCESSIBLE LOCATIONS:**
    1. WHERE MANUAL VOLUME DAMPERS ARE LOCATED IN INACCESSIBLE LOCATIONS (I.E ABOVE HARD GYPSUM CEILINGS OR HIGHER THAN 4'–0" ABOVE AN ACCESSIBLE CEILING TILE), CONTRACTOR TO PROVIDE AND INSTALL YOUNG REGULATOR 12 VOLT DC POWER/BALANCE SYSTEM. THE BALANCE SYSTEM CONSISTS OF A DAMPER, PULSE ACTUATOR, CAT 5 CABLE, WALL OR CEILING PLATE, AND HAND HELD POWER PACK. CONTRACTOR TO INSTALL WALL/CEILING ACCESS PORT ON WALL WITHIN MECHANICAL ROOM OF CLOSETS PROXIMITY TO MANUAL DAMPER. ALL ACCESS PORTS TO BE PROPERLY LABELED NUMERICALLY BY RESPECTIVE AIR SYSTEM & ROOM THAT THE DAMPER(S) SERVE. COORDINATE WITH MECHANICAL ENGINEER PRIOR TO LABELING.
    2. TYPICAL ALL INACCESSIBLE MANUAL VOLUME DAMPERS.
    3. REFER TO ARCHITECTURAL SHEETS A700 THRU A703 FOR REFLECTED CEILING PLANS.
    4. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS WHERE MANUAL VOLUME DAMPERS ARE REQUIRED.
    5. REFER TO DETAIL SHEETS M401 THRU M403.
    6. ROUND ELECTRONIC BALANCING DAMPER WITH POSITION INDICATOR SHALL BE YOUNG REGULATOR MODEL EBD.
    7. RECTANGULAR ELECTRONIC BALANCING DAMPER WITH POSITION INDICATOR SHALL BE YOUNG REGULATOR MODEL EBDR.
21. NO FLEX DUCT ALLOWED IN EXHAUST, RETURN, & FRESH AIR DUCT SYSTEMS.
22. ALL FIRE DAMPERS ARE TO BE RATED AT 2 HR. UNLESS OTHERWISE NOTED ON PLANS, THIS PROJECT. SEAL ALL FIRE WALL PENETRATIONS (DUCT, PIPE, ETC.) WITH UL–LISTED FIRE CAULK.
23. ALL EXPOSED EQUIPMENT TO BE PAINTED, REFER TO ENGINEER/ARCHITECT FOR COLOR SELECTION. PAINTING/COLOR SELECTION TO BE DONE IN FIELD DURING CONSTRUCTION.
24. DRAWINGS BASED ON EQUIPMENT SPECIFIED. SHOULD OTHER EQUIPMENT BE USED, IT IS THE MECHANICAL CONTRACTORS RESPONSIBILITY TO COORDINATE ALL STRUCTURAL (ROOF PENETRATIONS, ETC.) AND ELECTRICAL (WIRE SIZES, ETC.) DIFFERENCES WITH ALL OTHER DISCIPLINES AS TO AVOID ANY CONFLICTS PRIOR TO CONSTRUCTION. COLOR SELECTION TO BE BY ARCHITECT.
25. ALL EXPOSED DUCTWORK SHALL BE OF PAINT GRIP GALVANIZED SHEETMETAL UNLESS OTHERWISE NOTED ON DRAWINGS.
26. ALL ROUND DUCT SHALL BE MINIMUM 26 GA. AS PER SMACNA STANDARDS. TYPICAL ALL ROUND DUCT.
27. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE ARCHITECT/ENGINEER AND THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
28. MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF ALL GRILLES WITH NEW LIGHTS TO BE INSTALLED PRIOR TO CONSTRUCTION.
29. ALL DUCTWORK SEPARATED BY THE SYMBOL "/" DESIGNATES OVAL DUCTWORK AND ALL DUCTWORK SEPARATED BY "x" DESIGNATES RECTANGULAR DUCTWORK.
30. PROVIDE ELECTRICAL DISCONNECTS AT ALL MECHANICAL EQUIPMENT. COORDINATE WITH ELECTRICIAN PRIOR TO BID TO ENSURE ALL REQUIRED LABOR/MATERIAL IS INCLUDED IN BID FOR A COMPLETE AND WORKING SYSTEM.
31. IF REQUESTED BY OWNER/ARCHITECT, THE CONTRACTOR IS TO PROVIDE & INSTALL CLEAR LOCK BOX COVERS FOR THERMOSTATS/HUMIDISTATS AND SENSORS AS MANUFACTURED BY KELE (WWW.KELE.COM).
32. MECHANICAL CONTRACTOR TO INSTALL ALL DUCT SLEEVES (IF APPLICABLE) IN WALLS ABOVE CEILINGS AS HIGH AS POSSIBLE. DUCT SLEEVE TO EXTEND 24" PAST WALL PENETRATION, BOTH SIDES.
33. SUBMISSION OF BID DIRECTLY OR INDIRECTLY IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH HE WILL BE OBLIGATED TO OPERATE. SHOULD HE BE AWARDED THE WORK UNDER THIS CONTRACT NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
34. COORDINATE WITH ENGINEER ON FAN CURVE ORIENTATION AT AIR HANDLING UNITS PRIOR TO SUBMITTING PRIOR APPROVAL.
35. SUCCESSFULLY PRESSURE TEST ALL PIPING SYSTEMS. TEST SHALL BE PERFORMED AS NOTED IN SPECIFICATIONS (OR PER LOCAL CODE/JURISDICATION, WHICHEVER IS MOST STRICT). REPAIR AND RETEST AS REQUIRED UNITL SYSTEMS PROVE TIGHT.
36. THE CONTRACTOR SHALL PROVIDE TRANSITIONS FROM REAR OF ALL GRILLES TO BRANCH DUCT AS REQUIRED. REFER TO CONSTRUCTION DOCUMENTS FOR SIZES OF ALL GRILLES AND BRANCH DUCTS.
37. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
38. PRIOR TO SUBMITTING EQUIPMENT, MECHANICAL CONTRACTOR SHALL VERIFY ALL SIZES. JOB DESIGNED AROUND EQUIPMENT WITH SPECIFIED MODEL NUMBERS IN SCHEDULE, OTHER EQUIPMENT SUBJECT TO REJECTION DUE TO TIGHT SPACE CONSTRAINTS, THIS PROJECT.
39. THIS CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, THE DISCREPANCY SHALL BE REPORTED TO THE ARCHITECT/OWNER AND/OR ENGINEER FOR EXPEDITING AND RESOLVE.
40. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
41. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
42. ALL MANUAL VOLUME DAMPERS IN VERTICAL POSITION OF DUCTWORK IN MECHANICAL ROOMS SHALL BE ACCESSIBLE FROM THE FLOOR.
43. ALL ROOF MOUNTED EQUIPMENT (FANS, CURBS, VENTS, ETC.) SHALL COME PRE–FINISHED FROM RESPECTIVE MANUFACTURER. COLOR SELECTION TO BE BY ARCHITECT.
44. ALL EXPOSED EQUIPMENT & MATERIAL TO BE PAINTED, REFER TO ENGINEER/ARCHITECT FOR COLOR SELECTION. PAINTING/COLOR SELECTION TO BE DONE IN FIELD DURING CONSTRUCTION.
45. CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT PRIOR TO INSTALLING ANY TEMPERATURE SENSORS ON WALLS. ALL TEMPERATURE SENSORS TO BE COORDINATED WITH ALL ARTWORK, SCREENS, FURNITURE, ETC. TO BE INSTALLED ON WALLS. OWNER TO APPROVE FINAL LAYOUT PRIOR TO CONSTRUCTION/INSTALLATION.
46. CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL VALVES, DAMPERS, EQUIPMENT, ETC. IN INACCESSIBLE LOCATIONS. ACCESS PANEL TO BE OF SUFFICIENT SIZE TO ACCESS EQUIPMENT. PANELS TO HAVE SAME RATING AS CEILING, REFER TO ARCHITECTURAL LIFE SAFETY PLAN. PAINT PANEL TO MATCH CEILING COLOR. WHERE ACCESS PANEL IS IN SECURITY CEILING, THE PANEL SHALL BE SECURITY TYPE.
47. ALL UTILITY TIE–IN LOCATIONS (SEWER, DOMESTIC WATER, HYDRONIC WATER, GAS PIPING, ETC.) ARE TO BE LOCATED AT THE BEGINNING OF PROJECT, PRIOR TO ANY/ALL CONSTRUCTION. UPON LOCATION TIE–IN LOCATIONS, CONTRACTOR TO NOTIFY ARCHITECT/ENGINEER IF ANY CONFLICTS ARISE FOR FURTHER ACTION.
48. ALL EXTERIOR LOUVERS ARE TO BE PRE–FINISHED TO MATCH EXTERIOR OF BUILDING, REFER TO ARCHITECT. ALL LOUVERS TO HAVE DRAIN BLADES WITH EXTENDED SILL & CHANNEL FRAME.
49. CONTRACTOR TO COORDINATE ALL THERMOSTAT/HUMIDISTAT/SENSOR LOCATIONS PRIOR TO INSTALLATION. CONTRACTOR TO RELOCATE THERMOSTATS/HUMIDISTATS/SENSORS AT NO ADDITIONAL COST TO PROJECT SHOULD THE CONTRACTOR FAIL TO COORDINATE LOCATIONS PRIOR TO INSTALLATION WITH THE OWNER.
50. ALL AIR HANDLING UNIT AUXILIARY DRAIN PANS ARE TO BE PIPED TO NEAREST FLOOR/HUB DRAIN IN AIR HANDLING UNIT ROOM, PROVIDE SHUTOFF VALVE WITHIN AUXILIARY DRAIN PAN PIPING, VALVE TO BE NORMALLY CLOSED.
51. CONTRACTOR TO PROVIDE & INSTALL HOLD DOWN CLIPS & FASTENERS ON CEILING TILE/GRID AT EVERY CEILING TILE/GRID WITHIN 30'–0" (IN EVERY DIRECTION, MULTIPLE ROOMS AS REQUIRED) FROM ALL SIDES OF ALL MECHANICAL ROOMS, HOLD DOWN CLIPS TO BE BY SAME MANUFACTURER AS CEILING TILES, COORDINATE WITH GENERAL CONTRACTOR & CEILING CONTRACTOR.
52. ADDITIONAL GENERAL PLUMBING, HVAC, & SPRINKLER NOTES:
    1. CONTTRACTOR TO FIGURE IN BID THE INSTALLATION OF ALL OWNER PROVIDED EQUIPTMENT INCLUDING THE INSTALLATION AND ADDITIONAL DUCTWORK, ACCESSORIES, HANGERS, ETC. TO PROVIDE COMPLETE FUNCTIONAL SYSTEM.
    2. CONTRACTOR TO FIGURE IN BID SUPPORTING ALL PIPING (HVAC, PLUMBING, FIRE SUPPRESSION) WITH CLEVIS TYPE PIPE HANGERS AS CEILING SPACE IS LIMITED THROUGHOUT PROJECT.
    3. ALL EXPOSED MECHANICAL, HVAC, SPRINKLER, PLUMBING ITEMS TO BE PAINTED. COORDINATE WITH ARCHITECT IN FIELD DURING CONSTRUCTION ON EXACT COLOR REQUIRED. FIGURE IN BID CUSTOM PAINT COLOR. PROVIDE COLOR CODED PIPING LABELS & DIRECTIONAL FLOW ARROWS.
    4. ALL INSULATED PIPING ON INTERIOR OF BUILDINGS ARE TO RECEIVE COLOR CODED PVC JACKETS WITH LABELS AND DIRECTIONAL FLOW ARROWS. INCLUDING ALL ELBOWS AND FITTINGS.
    5. ALL CEILING MOUNTED SPRINKLER HEADS SHALL BE CUSTOM COLORED FULLY CONCEALED TYPE. ARCHITECT TO SELECT THE COLOR ON A ROOM BY ROOM BASIS DURING SUBMITTAL PROCESS. FIGURE IN ALL APPLICABLE COSTS ASSOCIATED WITH CUSTOM COLORED CONCEALED SPRINKLER HEADS.
    6. THE PLUMBING CONTRACTOR & HVAC CONTRACTOR ARE TO SUBMIT WELDING CERTIFICATES FOR ALL WELDERS THAT ARE TO BE WORKING ON THE PROJECT. NO EXCEPTION. A "WELDER" SHALL REFER TO ANY LABORER WELDING STEEL PIPE, BRAZING COPPER PIPE, OR SOLDERING COPPER PIPE.
    7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH LARGE (GREATER THAN 50 GALLON CAPACITY, AND/OR 100,000 BTUH HEAT INPUT) WATER HEATER, AND PRESSURE VESSELS INSPECTED BY A STATE OF LOUISIANA CERTIFIED INSPECTOR UPON INSTALLATION. A COPY OF EACH REPORT SHALL BE TRANSMITTED TO THE ARCHITECT/ENGINEER. ONE ADDITIONAL COPY OF EACH REPORT SHALL BE INCLUDED IN EACH OF THE THREE CLOSE–OUT MANUALS. COORDINATE WITH LAOSFM BOILER SECTION @ 1–800–256–5452.
    8. TEST ALL BACKFLOW PREVENTERS (REFER TO CIVIL ENGINEERS DOCUMENTS) AT PROJECT COMPLETION, INCLUDE TEST REPORT WITHIN CLOSEOUT DOCUMENTS.
    9. ALL AIR HANDLING UNIT AUXILIARY DRAIN PANS ARE TO BE PIPED TO NEAREST FLOOR DRAIN IN AIR HANDLING UNIT ROOM/MEZZANINE, PROVIDE SHUTOFF VALVE WITHIN AUXILIARY DRAIN PAN PIPING, VALVE TO BE NORMALLY CLOSED.
    10. MAINTENANCE SERVICE & REPAIRS:
        a. THE CONTRACTOR SHALL ARRANGE FOR QUALIFIED EQUIPMENT SERVICE TECHNICIANS TO PROVIDE PREVENTATIVE MAINTENANCE SERVICE EVERY 3 MONTHS (MINIMUM 4 TIMES) WITHIN THE ONE–YEAR WARRANTY PERIOD TO KEEP ALL SYSTEMS OPERATING IN FIRST–CLASS WORKING ORDER.
        b. CONTRACTOR SHALL COORDINATE SERVICE TIMES WITH THE FACILITY MAINTENANCE PROJECT MANAGER AT LEAST ONE WEEK PRIOR TO PROPOSED REGULAR SERVICING SCHEDULE.
        c. CONTRACTOR SHALL ALSO NOTIFY THE FACILITY MAINTENANCE PROJECT MANAGER PRIOR TO EACH EQUIPMENT REPAIR VISIT.
        d. OWNER'S MAINTENANCE PERSONNEL SHALL BE PRESENT DURING ALL SERVICING AND REPAIR ACTIVITIES.
    12. CONTRACTOR TO COORDINATE EXACT SIZES REQUIRED FOR ALL DUCT/PIPE FLOOR/WALL PENETRATIONS THRU RATED ASSEMBLIES. CONTRACTOR TO FILL ANNULAR SPACE BETWEEN DUCT/PIPE PENETRATIONS IN ACCORDANCE WITH UL LISTED WALL/FLOOR ASSEMBLY AS TO MAINTAIN ALL REQUIRED RATINGS.
    13. CONTRACTOR TO FIGURE IN BID ALL REQUIRED BLOCKING WITHIN WALLS AS TO PROPERLY INSTALL ALL PLUMBING FIXTURES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION GUIDELINES.
    14. CONTRACTOR TO PROVIDE A WALL CLEANOUT AT EVERY WALL MOUNTED PLUMBING FIXTURES. WALL MOUNTED CLEANOUT TO HAVE CHROME PLATED ACCESS COVER.
    15. IN ADDITION TO THE STOP LOCATED AT THE PLUMBING FIXTURE, THE CONTRACTOR SHALL PROVIDE & INSTALL AN ADDITIONAL CUT–OFF VALVE. CUT–OFF VALVES: (1) ONE FOR EACH PLUMBING FIXTURE. LOCATIONS ABOVE CEILING IDENTIFIED WITH 1" WIDE RED REFLECTIVE TAPE, WRAPPED TWO COMPLETE TURNS AROUND CEILING GRID, CUT END OF TAPE CONCEALED ABOVE CEILING, DIRECTLY BELOW EACH VALVE.
    16. MECHANICAL ACCESS COORDINATION: WHERE MECHANICAL EQUIPMENT/DEVICES ARE LOCATED ABOVE ACOUSTIC CEILING TILES SYSTEM THE CONTRACTOR SHALL ALIGN THE ACCESS WITH THE ACOUSTIC CEILING TILE GRID SYSTEM, REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING DRAWING.
    17. APPLICABLE ENTIRE PROJECT. ALL CONCRETE EQUIPMENT HOUSEKEEPING PADS ARE TO BE 6" THICK CONCRETE REINFORCED HOUSEKEEPING PADS, SIZED AS REQUIRED, MIN. 6" CLEARANCE ALL AROUND. CONTRACTOR TO INSTALL 4" WIDE REFLECTIVE ACRYLIC SELF–ADHESIVE VINYL BLACK/YELLOW STRIPED CAUTION/WARNING TAPE ON VERTICAL RISE OF ALL CONCRETE HOUSEKEEPING PADS, TAPE TO BE INCOM MANUFACTURING MODEL #RST146, TAPE TO MEET ASTM D–4956–99, SUBMIT SUBMITTAL OF TAPE TO ENGINEER FOR REVIEW. REFER TO DETAIL SHEETS M400 THRU M403 FOR DETAIL.
    18. ALL FIRE WATER PIPING (ABOVE & BELOW GRADE), FIRE SPRINKLER PIPING (ABOVE & BELOW GRADE), DOMESTIC WATER PIPING (ABOVE & BELOW GRADE), VALVES, FITTINGS, RESTRAINER/RETAINER GLANDS TO BE RATED AT A MINIMUM 200PSI.
    15. PROVIDE HUMIDISTAT NEXT TO THERMOSTATS WITHIN SPACE TYPICAL FOR ALL PACKAGED AIR CONDITIONING SYSTEMS AND SPLIT SYSTEMS.
    16. PROVIDE TEMPERATURE SENSORS WITHIN ROOMS SERVED BY DUCTLESS SPLIT SYSTEMS CONNECTED TO BUILDING TEMPERATURE CONTROLS.
    17. ALL PACKAGED AIR CONDITIONING EQUIPMENT SHALL BE PROVIDED WITH A MANUFACTURER 5–YEAR WARRANTY PARTS, LABOR, REFRIGERANT INCLUDING COMPRESSORS AND HEAT EXCHANGERS.
53. THE ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS UPON WHICH THE CONTRACT DOCUMENTS ARE BASED MAY BE INACCURATE OR INCOMPLETE. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS AND MODIFY AS REQUIRED.

CLOTHES DRYER EXHAUST DUCTWORK INSTALLATION NOTES:

504.1 INSTALLATION: CLOTHES DRYERS SHALL BE EXHAUSTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. DRYER EXHAUST SYSTEMS SHALL BE INDEPENDENT OF ALL OTHER SYSTEMS AND SHALL CONVEY THE MOISTURE AND ANY PRODUCTS OF COMBUSTION TO THE OUTSIDE OF THE BUILDING.

504.2 EXHAUST PENETRATIONS: WHERE A CLOTHES DRYER EXHAUST DUCT PENETRATES A WALL OR CEILING MEMBRANE, THE ANNULAR SPACE SHALL BE SEALED WITH A NONCOMBUSTIBLE MATERIAL, APPROVED FIRE CAULKING OR A NONCOMBUSTIBLE DRYER EXHAUST DUCT WALL RECEPTACLE. DUCTS THAT EXHAUST CLOTHES DRYERS SHALL NOT PENETRATE OR BE LOCATED WITHIN ANY FIREBLOCKING, DRAFTSTOPPING OR ANY WALL, FLOOR/CEILING OR OTHER ASSEMBLY REQUIRED BY THE INTERNATIONAL BUILDING CODE TO BE FIRE–RESISTANCE RATED, UNLESS SUCH DUCT IS CONSTRUCTED OF GALVANIZED STEEL OR ALUMINUM OF THE THICKNESS SPECIFIED IN SECTION 603.4 AND THE FIRE–RESISTANCE RATING IS MAINTAINED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. FIRE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS AND ANY SIMILAR DEVICES THAT WILL OBSTRUCT THE EXHAUST FLOW SHALL BE PROHIBITED IN CLOTHES DRYER EXHAUST DUCTS.

504.3 CLEANOUT: EACH VERTICAL RISER SHALL BE PROVIDED WITH A MEANS FOR CLEANOUT.

504.4 EXHAUST INSTALLATION: DRYER EXHAUST DUCTS FOR CLOTHES DRYERS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION. DUCTS SHALL NOT BE CONNECTED OR INSTALLED WITH SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE EXHAUST FLOW. CLOTHES DRYER EXHAUST DUCTS SHALL NOT BE CONNECTED TO A VENT CONNECTOR, VENT OR CHIMNEY. CLOTHES DRYER EXHAUST DUCTS SHALL NOT EXTEND INTO OR THROUGH DUCTS OR PLENUMS.

504.6.1 MATERIAL AND SIZE: EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL A MINIMUM 0.016 INCH THICK. THE EXHAUST DUCT SIZE SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATION.

504.6.2 DUCT INSTALLATION: EXHAUST DUCTS SHALL BE SUPPORTED AT 4–FOOT INTERVALS AND SECURED IN PLACE. THE INSERT END OF THE DUCT SHALL EXTEND INTO THE ADJOINING DUCT OR FITTING IN THE DIRECTION OF AIRFLOW. DUCTS SHALL NOT BE JOINED WITH SCREWS OR SIMILAR FASTENERS THAT PROTRUDE INTO THE INSIDE OF THE DUCT.

504.6.3 TRANSITION DUCTS: TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT SYSTEM SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN ACCORDANCE WITH UL 2158A. TRANSITION DUCTS SHALL BE A MAXIMUM OF 8 FEET IN LENGTH AND SHALL NOT BE CONCEALED WITHIN CONSTRUCTION.

504.6.4 DUCT LENGTH: THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTION 504.6.4.1 OR 504.6.4.2.

504.6.4.1 SPECIFIED LENGTH: THE MAXIMUM LENGTH OF THE EXHAUST DUCT SHALL BE 35 FEET FROM THE CONNECTION TO THE TRANSITION DUCT FROM THE DRYER TO THE OUTLET TERMINAL. WHERE FITTINGS ARE USED, THE MAXIMUM LENGTH OF THE EXHAUST DUCT SHALL BE REDUCED IN ACCORDANCE WITH TABLE 504.6.4.1.

TABLE 504.6.4.1
DRYER EXHAUST DUCT FITTING EQUIVALENT LENGTH
DRYER EXHAUST DUCT FITTING TYPE EQUIVALENT LENGTH
4"ø RADIUS MITERED 45–DEGREE ELBOW 2 FEET 6 INCHES
4"ø RADIUS MITERED 90–DEGREE ELBOW 5 FEET

504.6.4.2 MANUFACTURER'S INSTRUCTIONS: THE MAXIMUM LENGTH OF THE EXHAUST DUCT SHALL BE DETERMINED BY THE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CODE OFFICIAL SHALL BE PROVIDED WITH A COPY OF THE INSTALLATION INSTRUCTIONS FOR THE MAKE AND MODEL OF THE DRYER. WHERE THE EXHAUST DUCT IS TO BE CONCEALED, THE INSTALLATION INSTRUCTIONS SHALL BE PROVIDED TO THE CODE OFFICIAL PRIOR TO THE CONCEALMENT INSPECTION. IN THE ABSENCE OF FITTING EQUIVALENT LENGTH CALCULATIONS FROM THE CLOTHES DRYER MANUFACTURER, TABLE 504.6.4.1 SHALL BE USED.

504.6.5 LENGTH IDENTIFICATION: WHERE THE EXHAUST DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION, THE EQUIVALENT LENGTH OF THE EXHAUST DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.

504.6.6 EXHAUST DUCT REQUIRED: WHERE SPACE FOR A CLOTHES DRYER IS PROVIDED, AN EXHAUST DUCT SYSTEM SHALL BE INSTALLED. WHERE THE CLOTHES DRYER IS NOT INSTALLED AT THE TIME OF OCCUPANCY, THE EXHAUST DUCT SHALL BE CAPPED AT THE LOCATION OF THE FUTURE DRYER.

504.6.7 PROTECTION REQUIRED: PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT. SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 11/4 INCHES BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. PROTECTIVE SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE A THICKNESS OF 0.062 INCH AND EXTEND A MINIMUM OF 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES.

505 PRESSURE TEST & PLACARD REQUIRED: PLACARD (STAINLESS STEEL WITH RAISED BLACK LETTERS) SHALL BE PROVIDED & INSTALLED ON WALL DIRECTLY BEHIND RESPECTIVE DRYER(S) STATING THE SYSTEM BACK PRESSURE TO ENSURE THE DRYER INSTALLED CAN EXHAUST THRU THE DRYER EXHAUST DUCT SYSTEM.
505.1 DRYER EXHAUST DUCT TEST
1. CONNECT AN INCLINED OR DIGITAL MANOMETER BETWEEN THE DRYER AND THE POINT THE EXHAUST CONNECTS TO THE DRYER.
2. SET THE DRYER TIMER AND TEMPERATURE TO AIR DRY AND START THE DRYER.
3. READ THE MEASUREMENT ON THE MANOMETER.
4. PROVIDE THE MEASURED BACK PRESSURE ON PLACARD THAT IS TO BE INSTALLED ON WALL DIRECTLY BEHIND RESPECTIVE DRYER(S).

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PROJECT No. 2412

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DATE 10.19.26

PROFESSIONAL OF RECORD
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REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

REVISIONS

GENERAL MECHANICAL NOTES

SHEET No. M001

MECHANICAL AIRSIDE LEGEND

NOTE: ALL SYMBOLS IN THIS LEGEND ARE NOT NECESSARILY FOUND ON THE PLANS
THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BETWEEN ALL SUBCONTRACTORS FOR ITEMS WHETHER NOTED WITHIN DIVISIONS 21, 22, & 23 OR NOTED WITHIN OTHER DIVISIONS WITHIN THE CONTRACT DOCUMENTS..

SYMBOL	DESCRIPTION
T	THERMOSTAT & HUMIDISTAT, TYPICAL. THERMOSTAT/HUMIDISTAT SHOWN FOR DIAGRAMMATICAL PURPOSES ONLY, COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT ON ALL ARTWORK, MILLWORK, ETC. FOR CONFLICTS, IF THERMOSTAT/HUMIDISTAT IS RELOCATED PROVIDE NEW LOCATION TO MECHANICAL ENGINEER FOR APPROVAL. ALL THERMOSTAT WIRING TO BE IN ½" EMT CONDUIT, PROVIDE LONG SWEEP ELBOWS AT TOP OF CONDUIT WITHIN CEILING SPACE AT ALL TURN DOWNS INTO WALLS.
PTAC–1	"PTAC" PACKAGED TERMINAL HEAT PUMP, REFER TO SCHEDULE. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SLOPE TO EXTERIOR AS NOT TO DRAIN BACK INTO WALL, TYPICAL. REFER TO DETAIL.
L-#	WEATHERPROOF EXTERIOR WALL LOUVER, REFER TO ARCHITECT FOR INSTALLATION HEIGHT AND CUSTOM COLOR SELECTION; SEAL ALL AROUND AIR AND WATER TIGHT. PROVIDE BIRDSCREEN ON REAR OF LOUVER. PROVIDE PLENUM ON REAR OF LOUVER FULL SIZE OF LOUVER DUCT CONNECTION AND TRANSITION AS SHOWN ON PLAN. REFER TO SCHEDULES & TYPICAL DETAILS
	TYPICAL RETURN AIR GRILLE ASSEMBLY. PROVIDE INSULATED R/A BOOT PLENUM ON REAR OF R/A GRILLE (PLENUM TO BE FULL SIZE OF GRILLE, REFER TO PLAN FOR TYPE, HEIGHT OF PLENUM AS REQUIRED IN ORDER TO MAKE BRANCH DUCT CONNECTIONS), TYPICAL. REFER TO SEE SCHEDULES FOR GRILLE SIZES. REFER TO DETAIL. COORDINATE BOOT/RETURN AIR DUCT WITH STRUCTURE.
FD	TYPICAL UL LISTED 2–HOUR FIRE DAMPER. FIRE DAMPER TO BE DYNAMIC TYPE. REFER TO SPECIFICATION 233300 & TYPICAL DETAIL.
SD	UL LISTED SMOKE DAMPER, REFER TO SPECIFICATIONS.
FS	UL LISTED FIRE/SMOKE DAMPER, REFER TO SPECIFICATIONS.
EMS	CONTROL PANEL FOR EMS SYSTEM, PROVIDE DEDICATED ELECTRICAL CIRCUIT (20 AMP) & DATA DROP.
EUH	ELECTRIC UNIT HEATER. REFER TO DETAIL. PROVIDE UNIT MOUNTED THERMOSTAT.
ERU	WALL MOUNTED DUCT–LESS MINI–SPLIT SYSTEM (WITH INSTALLATION PLATE) LOCATED IN SERVER/ELECTRICAL/EQUIPMENT ROOM HIGH ON WALL (12" FROM FINISHED CEILING). ROUTE REFRIGERANT LINES AS SHOWN TO RESPECTIVE CONDENSING UNIT ON ROOF. ROUTE CONDENSATE LINE TO HUB DRAIN (REFER TO PLUMBING PLAN FOR HUB DRAIN LOCATION). MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF MINI–SPLIT SYSTEM WITH ALL EQUIPMENT TO BE INSTALLED IN SERVER/ELECTRICAL/EQUIPMENT ROOM, DO NOT INSTALL MINI–SPLIT ABOVE ANY PANEL OR ELECTRICAL DEVICE. MECHANICAL CONTRACTOR TO FIGURE IN BID POSSIBLE INCREASE IN PIPE OFFSETS AND PIPE TO ACCOMMODATE NEW LOCATION OF DUCT–LESS SPLIT SYSTEM. REFER TO DETAIL.
WALLS MECH. ROOM	PELICAN BOARD SOUND ATTENUATING ASSEMBLY. INTERIOR WALLS, CEILING AND BACK OF DOORS SHALL BE LINED WITH 2" THICK PERFORATED VINYL LINED SOUND INSULATION BOARD. CONTRACTOR TO INSTALL RIGID FIBERGLASS INSULATION WITH PERFORATED CLOTH LINED SIDE FACING INSIDE OF MECHANICAL ROOM. NO EXCEPTION. ADHERE INSULATION TO WALL WITH STICK CLIP, DOME WASHERS, AND PROVIDE DOME CAP TO CONCEAL EXPOSED CLIP POINTS. SEAL ALL SEAMS.
18ø	CONTRACTOR TO PROVIDE SPRING–LOADED BACKDRAFT DAMPER IN EXHAUST DUCT, TYPICAL.
WEF–1	WELDING SYSTEM EXHAUST FAN SUPPORTED FROM WALL/STRUCTURE ABOVE PROVIDE ALL ADDITIONAL SUPPORTS AND BRACKETS FOR RECOMMENDED INSTALLATION BY UNIT MANUFACTURER. TRANSITION DUCT TO WEATHERPROOF LOUVER
	MANUAL VOLUME DAMPER WITH STAND–OFF BRACKET, ADJUSTABLE & LOCKABLE, TYPICAL. REFER TO TYPICAL DETAIL. CONTRACTOR TO REFER TO ARCHITECTURAL REFLECTED CEILING PLANS. REFER TO GENERAL MECHANICAL NOTES #20 FOR ALL DAMPER TYPES LOCATED ABOVE INACCESSIBLE CEILINGS.
	45° LOW LOSS BRANCH DUCT TAP CONNECTION WITH DAMPER (FLEXMASTER MODEL STODB03), DAMPER CONSTRUCTED OF MINIMUM 26 GAUGE GALVANIZED STEEL. THE DAMPER SHALL HAVE A 2" RAISED HANDLE WITH A HIGH QUALITY LOCKING QUADRANT. A 3/8" CONTINUOUS ROD WITH "U" BOLTS CONNECTS THE DAMPER TO THE ROD. NYLON END BEARINGS ARE REQUIRED WHERE THE ROD PENETRATES THE BARREL. TYPICAL ALL BRANCH DUCTS. TYPICAL. CONTRACTOR TO REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND PROVIDE 45° LOW LOSS BRANCH DUCT TAP CONNECTION (FLEXMASTER MODEL STO) WITH ELECTRONIC BALANCING DAMPER SYSTEM ABOVE INACCESSIBLE CEILINGS. REFER TO GENERAL MECHANICAL NOTE #20 SHEET M001.
RH	ROOF HOOD ON PREFABRICATED ROOF CURB, REFER TO ROOF HOOD SCHEDULES. REFER TO DETAIL.
EF EF	INLINE EXHAUST FAN, REFER TO TYPICAL DETAIL, ROUTE DISCHARGE EXHAUST DUCT AS SHOWN TO PLENUM ON REAR OF EXTERIOR WALL LOUVER OR UP TO ROOF HOOD ON PRE–FABRICATED ROOF CURB. PROVIDE SPRING LOADED BACKDRAFT DAMPER AT DISCHARGE OF INLINE FAN. MAINTAIN 10'–0" BETWEEN ALL FRESH AIR INLETS & EXHAUST AIR DISCHARGES. WHERE FAN IS LOCATED ABOVE GYPSUM CEILING, CONTRACTOR TO PROVIDE 30X20 SECURITY–RATED ACCESS PANEL FOR ACCESS THROUGH SECURITY–RATED GYPSUM BOARD HARD CEILINGS FOR FAN ACCESS, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES.
	DUCT DROP TO AIR DEVICE (REFER TO AIR DISTRIBUTION SCHEDULES, REFER TO DRAWINGS FOR DUCT SIZE). CONTRACTOR TO PROVIDE MANUAL VOLUME DAMPER IN DUCT DROP. CONTRACTOR TO PROVIDE AND INSTALL YOUNG REGULATOR 12 VOLT DC POWER/BALANCE SYSTEM TO PROVIDE A MEANS OF BALANCING THE INACCESSIBLE MANUAL VOLUME DAMPER.
WALL CAP 4ø	4"ø DRYER DUCT TO COPPER (16 OZ.) WALL CAP WITH BACKDRAFT DAMPER. WALL CAP TO BE MANFUCTURERED BY LUXURY METALS (WWW.LUXURYMETALS.COM). COORDINATE EXACT LOCATION OF WALL CAP WITH ARCHITECT IN FIELD DURING CONSTRUCTION. REFER TO SHEET M100 FOR DRYER DUCT CONSTRUCTION AND INSTALLATION NOTES & SPECIFICATIONS.
	DUST COLLECTOR, BY OWNER COORDINATE ALL SHOP EQUIPTMENT AS DUCT IS SHOWN DIAGRAMMTICALLY SPARK DETECTION WATER BOOSTER PUMP SYSTEM, STAINLESS STEEL PUMP, 1 HP, 20–1–60 WITH 35 GAL. BLADDER TANK, CONTROLS, ETC. RE: SPECIFICATIONS. PROVIDE SHUTOFF VALVE AND CHECK VALVE ON INLET SIDE OF PUMP AND SHUTOFF VALVE ON DISCHARGE SIDE. PROVIDE PUMP ASSEMBLY ON CONCRETE HOUSEKEEPING PAD, 6" THK., 6" CLEARANCE ALL AROUND. 1" WATER LINE RE:I PLUMBING DRAWINGS FOR CONTINUATION. 1" WATER LINE, CONNECT TO SPRAY NOZZLE ASSEMBLY, RE: DETAIL FOR INSTALLATION SPACE REQUIREMENTS. SPARK DETECTION AND EXTINGUISHING SYSTEM PANEL, 120–1–60 WITH DEDICATED 15 AMP CIRCUIT.
	TYPICAL CEILING CASSETTE AIR UNITS. SUPPORT FROM STRUCTURE ABOVE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION (PROVIDE ADDITION STEEL ANGLE OR UNISTRUT AS REQUIRED TO PROPER INSTALLATION). FIELD ROUTE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. FIELD ROUTE INSULATED CONDENSATE LINE TO NEAREST HUB DRAIN & TURN DOWN. INSTALL CONDENSATE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO COORDINATE EXACT LOCATION OF FAN COIL WITH ARCHITECT. MECHANICAL CONTRACTOR TO FIGURE IN BID POSSIBLE INCREASE IN PIPE OFFSETS AND PIPE TO ACCOMMODATE NEW LOCATION OF FAN COIL. FAN COIL TO COME WITH INTEGRAL CONDENSATE PUMP. COORDINATE CEILING GRID SYSTEM WITH SIZE OF CEILING CASSETTE AND MODIFY AS REQUIRED. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION. REFER TO DETAIL.
	GAS FIRED WATER HEATERS REFER TO PLUMBING, COMBUSTION AIR INTAKE AND EXHAUST TO TO ROUTED THROUGH SIDEWALL TO SIDEWALL CONCENTRIC VENT PROVIDED BY WATER HEATER MANUFACTURER AND SIZED PER WATER HEATER MANUFACTURERS RECOMMENDATIONS. MATERIAL OF INTAKE AND FLUE TO BE OF AN APPROVED MATERIAL BY WATER HEATER MANUFACTURER.
	ROOF MOUNTED PACKAGED AIR CONDITIONER/HEAT PUMP WITH ROOF CURB BY UNIT MANUFACTURER. COORDINATE WITH DRAWINGS FOR SIDE DUCT CONNECTIONS OR DOWNFLOW CONNECTIONS. WHERE DOWNFLOW CONNECTIONS ARE SHOWN CONTRACTOR TO PROVIDE FULL SIZE DUCT CONNECTIONS TO CONCENTRIC GRILLES. REFER TO ROOF PLAN FOR GAS ROUTING AND CONDENSATE DISPOSAL. MAINTAIN 10'0" FROM ANY EXHAUST OUTLET ON ROOF.CONSTROCTOR TO PROVIDE VIBRATION ISOLATION ROOF CURBS. COORDINATE.

SYMBOL	DESCRIPTION
	TYPICAL SIDEWALL SUPPLY OR RETURN AIR DEVICE, REFER TO DETAIL, SCHEDULES, AND SPECIFICATIONS.
	SPRINKLER RISER, REFER TO SPRINKLER DRAWINGS FOR EXACT LOCATION.
ECU CU	CONDENSING UNIT ON CONCRETE HOUSEKEEPING PAD, SIZED AS REQUIRED. REFER TO DETAILFOR CONDENSING UNIT INSTALLATION. REFER TO DETAIL FOR CONCRETE PAD. PAD TO BE CONTINUOUS WITH BUILDING. PROVIDE REFRIGERANT PIPE SUPPORTS MINIMUM 4'–0" AND AT ALL CHANGES IN DIRECTION. SEAL ALL PENETRATIONS INTO BUILDING AIR TIGHT. ROUTE REFRIGERANT LINES DOWN LOW THRU EXTERIOR WALL (WITHIN COMMON WALL SLEEVE), UP EXTERIOR WALL TO RESPECTIVE INDOOR UNIT (ALL REFRIGERANT LINES INSTALLED WITHIN BLOCK WALLS TO BE WITHIN PVC SLEEVE, MAXIMUM SIZE ALLOWED BY WALL THICKNESS). PAINT ALL EXTERIOR REFRIGERANT INSULATION WITH UV INHIBITOR PAINT. PROVIDE MINIMUM ONE (1) GROUND REFRIGERANT PIPE SUPPORT FOR REFRIGERANT PIPING AT EACH CONDENSING UNIT (PROVIDE MORE WHEN SHOWN). REFER TO DETAIL #6 SHEET M604 FOR GROUND REFRIGERANT PIPE SUPPORTS. REFER TO DETAIL FOR REFRIGERANT PIPE HANGER SUPPORTS WITHIN BUILDING.
	ROOF MOUNTED KITCHEN KITCHEN HOOD MAKEUP AIR SYSTEM ON PREFABRICATED ROOF CURB. REFER TO SCHEDULES & TYPICAL DETAIL. REFER TO KITCHEN EQUIPMENT PACKAGE FOR EXACT INSTALLATION REQUIREMENTS AND SIZES.
	ROOF MOUNTED EXHAUST FAN ON PREFABRICATED ROOF CURB. REFER TO SCHEDULES & TYPICAL DETAIL.
	KITCHEN HOOD WITH SUPPLY AIR PLENUM. REFER TO FOOD SERVICE DRAWINGS FOR EXACT LOCATION.
VAULT	THE VAULT (WWW.ROOFPENETRATIONHOUSINGS.COM) ROOF PIPE PENETRATION HOUSING FOR REFRIGERANT PIPING & ELECTRICAL LINES, REFER TO TYPICAL DETAIL & SPECIFICATION 233723.
	CEILING SUPPLY AIR DEVICE AND BRANCH DUCTWORK.
	TYPICAL DUCTWORK OFFSET, REFER TO DETAIL FOR INSTALLATION GUIDELINES.
	TYPICAL BUILT–UP AIR HANDLING UNIT (WITH DIRECT EXPANSION REFRIGERANT COIL AND ELECTRIC HEATER, WHERE APPLICABLE, REFER TO SCHEDULES) IN MECHANICAL ROOM. ROUTE INSULATED COPPER CONDENSATE DRAIN LINE (REFER TO SCHEDULE FOR SIZES) FROM UNIT AS SHOWN AND TURN DOWN AT FLOOR DRAIN (REFER TO PLUMBING FOR EXACT LOCATION OF FLOOR DRAIN). PROVIDE 4" HIGH AUXILIARY DRAIN PAN (304 STAINLESS STEEL, 12 GA., WELDED SEAMS), SIZE AS REQUIRED, UNDER ENTIRE UNIT. PROVIDE 6" THICK HOUSEKEEPING PAD FOR AHU MINIMUM 6" ALL AROUND AIR UNIT (WITH CHAMFERED EDGES), WITH 42" CLEARANCE IN FRONT (CONTROL SIDE) FOR SERVICING. REFER TO TYPICAL AIR HANDLING UNIT DETAIL. ROUTE FRESH AIR DUCT AS SHOWN FROM FRESH AIR INTAKE SIDEWALL LOUVER (PROVIDE FULL SIZE PLENUM ON REAR OF LOUVER, REFER TO ARCHITECTURAL ELEVATIONS PLANS FOR EXACT LOUVER LOCATION) OR ROOF HOOD ON PREFABRICATED ROOF CURB. COORDINATE DUCTWORK OFF OF UNIT WITH STRUCTURAL SYSTEM, PROVIDE IN BID OFFSET AS REQUIRED. PROVIDE FLOAT SWITCH IN AUXILIARY DRAIN PAN, UNIT TO DE–ENERGIZE WHEN FLOAT SWITCH IS TRIPPED.
	EXH OR RETURN AIR DUCT 90° ELBOW DOWN
	SUPPLY AIR DUCT 90° ELBOW UP
	EXH OR RETURN AIR DUCT 90° ELBOW UP
	SUPPLY AIR DUCT 90° ELBOW DOWN
	SUPPLY AIR DUCT
	RETURN AIR OR EXH. AIR DUCT
	DUCT WORK
	TURNING VANES, ALL TURNS 30" AND GREATER (ONLY FOR LOW PRESSURE DUCTWORK), REFER TO DETAIL.
	EQUIPMENT
M403 2	SECTION SHEET NUMBER SECTION DETAIL NUMBER
A–150	AIR DEVICE TYPE (TYPE–A) AIR QUANTITY (150 CFM)
TS	SENSOR FOR THERMOSTAT
F	FIRESTAT
H	HUMIDISTAT
OAM	O/A MONITOR, EBTRON GOLD SERIES THERMAL DISPERSION AIRFLOW/TEMPERATURE MEASUREMENT DEVICE (ATMD), EBTRON MODEL GTC116–PA OR PRIOR APPROVED EQUAL. 24VAC POWER REQUIREMENT. REFER TO CONTROLS SPECIFICATION. COORDINATE INSTALLATION REQUIREMENTS WITH ACTUAL MONITOR TO BE INSTALLED WITHIN PROJECT PRIOR TO CONSTRUCTION, VERIFY ACTUAL FIELD CONDITIONS.
	AIR HANDLING UNIT (WITH REFRIGERANT COILS). SUSPEND AIR HANDLING UNIT FROM STRUCTURE ABOVE (PROVIDE ADDITIONAL ANGLE IRON SUPPORTS FROM STRUCTURE TO SUPPORT UNIT, COORDINATE WITH STRUCTURAL SUPPORT TO ENSURE A COMPLETE STRUCTURAL SUPPORT SYSTEM TO HANG UNIT FROM). FIELD ROUTE INSULATED CONDENSATE DRAIN LINE FROM UNIT (AS REQUIRED) TO NEAREST HUB DRAIN (REFER TO SCHEDULES FOR PIPE SIZE). PROVIDE 4" HIGH AUXILIARY DRAIN PAN (304 WELDED STAINLESS STEEL 12 GAUGE ALL WELDED SEAMS), SIZE AS REQUIRED, UNDER ENTIRE UNIT, EQUIP WITH FLOAT SWITCH (INTERCONNECT FLOAT SWITCH WITH RESPECTIVE HEAT PUMP UNIT, HEAT PUMP UNIT TO SHUT OFF WHEN FLOAT SWITCH IS TRIPPED). SUPPORT PLATFORM TO EXTEND ALL AROUND UNIT, WITH 42" CLEARANCE IN FRONT (CONTROL SIDE) FOR SERVICING. RETURN AIR PLENUM ON INLET OF AIR HANDLING UNIT TO BE INTERNALLY INSULATED. ROUTE FRESH AIR DUCT AS SHOWN FROM RETURN AIR PLENUM TO WALL LOUVER, BALANCE TO CFM SPECIFIED ON SCHEDULES. PROVIDE FILTER HOUSING, MANUAL VOLUME DAMPER & MOTORIZED DAMPER (24V ACTUATOR, REFER TO SPECIFICATIONS FOR OPERATION) IN FRESH AIR DUCT. MAINTAIN 10'–0" MINIMUM DISTANCE BETWEEN ALL FRESH AIR INTAKES & EXHAUST OUTLETS. REFER TO TYPICAL AIR HANDLING UNIT DETAIL.
GPS ENGEN	PROVIDE GLOBAL PLASMA SOLUTIONS SELF CLEANING NEEDLEPOINT BIPOLAR ION GENERATOR REFER TO SCHEDULE AND SPECIFICATIONS FOR EXACT MODEL FOR THE SPECIFIED EQUIPMENT. ION GENERATOR TO BE LOCATED PER MANUFACTURERS RECOMMENDATIONS TO BE COMPLIANT FOR ASHRAES INDOOR AIR QUALITY. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TYPICAL ALL AIR HANDLING UNITS, ROOF TOP HEAT PUMPS, PACKAGE TERMINAL HEAT PUMPS, DUCTLESS MINI–SPLITS, CEILING CASSETTES, ETC..

GENERAL MECHANICAL NOTES:

1. REFER TO SHEETS M001 FOR ALL MECHANICAL GENERAL NOTES AND M002 FOR ALL MECHANICAL PLAN KEYNOTES AND MECHANICAL AIRSIDE LEGEND.
2. CONTRACTOR TO COORDINATE ALL THERMOSTAT/HUMIDISTAT LOCATIONS WITH ALL MILLWORK, PAINTINGS, ETC. FIGURE IN BID RELOCATION OF THERMOSTATS/HUMIDISTATS IN BID AS PER OWNER TO ACCOMMODATE ALL OWNER FURNISH WALL COVERINGS.
3. PROVIDE YOUNG REGULATORS FOR ALL MANUAL VOLUME DAMPERS LOCATED ABOVE HARD CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN. REFER TO GENERAL NOTE #20 SHEET M001.
4. CONTRACTOR TO FIELD VERIFY ALL CONDITIONS (STRUCTURAL SYSTEMS, OTHER DISCIPLINES, ETC.) PRIOR TO CONSTRUCTING DUCTWORK/PIPING, NO EXCEPTION.

COORDINATION DRAWINGS:
THE CONTRACTOR SHALL SUBMIT TO ARCHITECT, **"NO LATER THAN 30 DAYS AFTER WORK HAS COMMENCED ON SITE"**, ENTIRE FACILITY SYSTEM LAYOUTS AT A SCALE NOT LESS THAN 1/4"=1'–0" SHOWING THE LAYOUT OF THE ACTUAL EQUIPMENT, PIPING, MATERIAL, ETC. TO BE USED AND ALL NECESSARY CLEARANCES. THIS DRAWINGS SHALL BE COMPREHENSIVE OF ALL TRADES AS TO ELIMINATE CONFLICTS. THE CONTRACTOR WILL BE RESPONSIBLE TO VERIFY ALL ACCESS FOR MAINTENANCE AS REQUIRED BY THE MANUFACTURER. COORDINATION DRAWING TO BE REVIEWED BY ARCHITECT PRIOR TO THE INSTALLATION OF ANY & ALL MECHANICAL EQUIPMENT. CONTRACTOR TO COORDINATE THE PRELIMINARY SPRINKLER PLAN, DUCTWORK SHOP DRAWINGS, PIPING SYSTEMS, PLUMBING SYSTEMS & STEEL SHOP DRAWINGS (STRUCTURAL) PRIOR TO SUBMITTING TO DESIGN TEAM. CONTRACTOR TO INCLUDE ALL REQUIRED OFFSETS IN PLUMBING, PIPING & DUCTWORK IN BID. NO ADDITIONAL COST WILL BE PROVIDED TO CONTRACTOR FOR FAILURE TO COORDINATE ALL PIPING & DUCTWORK WITH STEEL. ALL SHOP DRAWINGS ARE TO INCLUDE SECTION CUTS OF ALL BUILDING AREAS FOR COORDINATION PURPOSES.

THERMAL DESIGN CONDITIONS

ROOM DESCRIPTION	INDOOR			OUTDOOR		
	SUMMER		WINTER	SUMMER		WINTER
	DB(°F)	RH(%)	DB(°F)	DB(°F)	WB(°F)	DB(°F)
ALL CONDITIONED SPACES	74*	50%	75*	95*	80*	20*

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

*CONTRACTOR TO UTILIZE THESE INITIAL SET POINTS FOR HVAC SYSTEM(S) AT PROJECT COMPLETION. COORDINATE WITH OWNER ON EXACT TEMPERATURE SET POINTS DESIRED AND ADJUST.

MECHANICAL PLAN KEYNOTES: [x]

1. MINIMUM 3/4" DOOR UNDERCUT. UNDERCUT BY GENERAL CONTRACTOR
2. CONTRACTOR TO PROVIDE AND INSTALL YOUNG REGULATOR 12 VOLT DC POWER/BALANCE SYSTEM TO PROVIDE A MEANS OF BALANCING THE INACCESSIBLE MANUAL VOLUME DAMPER. PROVIDE YOUNG REGULATOR ACCESS PORT PANEL AS SHOWN. REFER TO GENERAL MECHANICAL NOTE #20 SHEET M001.
3. MECHANICAL CONTRACTOR TO COORDINATE WITH PLUMBING CONTRACTOR ON DUCT PENETRATION THRU WALL, THIS AREA. REFER TO TYPICAL DUCT PENETRATION THRU WALL DETAIL. COORDINATE DUCT PENETRATIONS THRU WET WALL IN RESTROOM AREAS PRIOR TO INSTALLATION TO AVOID ANY POSSIBLE CONFLICTS WITH SANITARY SEWER AND WATER LINES. SEAL ALL AROUND PENETRATION AIR TIGHT.
4. ROOF ACCESS, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
5.
6.

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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MECHANICAL PLAN KEYNOTES AND MECHANICAL AIRSIDE LEGEND

PROFESSIONAL OF RECORD

DATE 10.19.26

REVISIONS

STATE OF LOUISIANA
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REGISTERED
PROFESSIONAL
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ON
MECHANICAL ENGINEERING

SHEET No. M002

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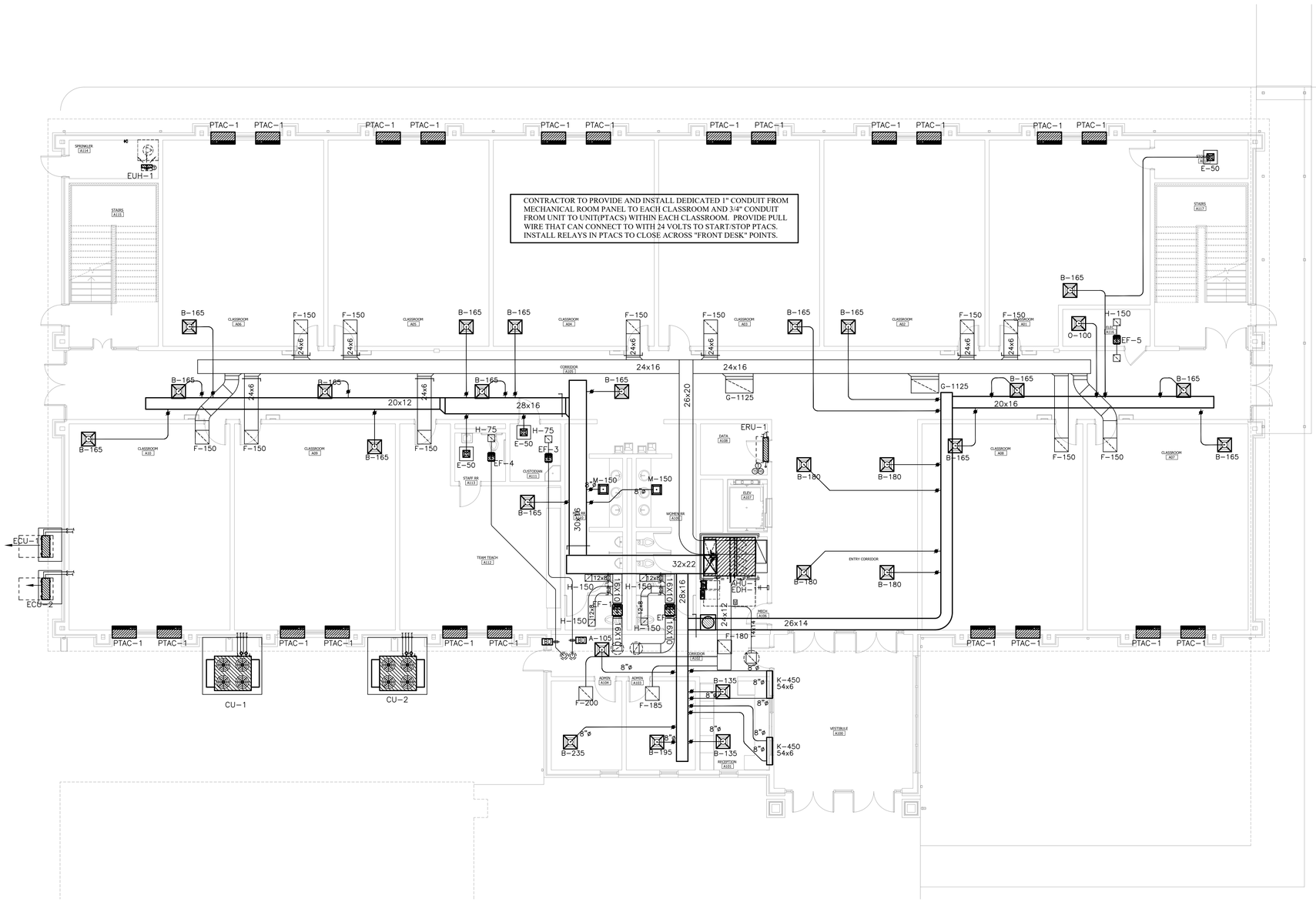

1 BUILDING "A" 1ST FLOOR PLAN - MECHANICAL

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

REFER TO SHEET M100 FOR MECHANICAL KEYNOTES

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LORANGER HIGH SCHOOL
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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
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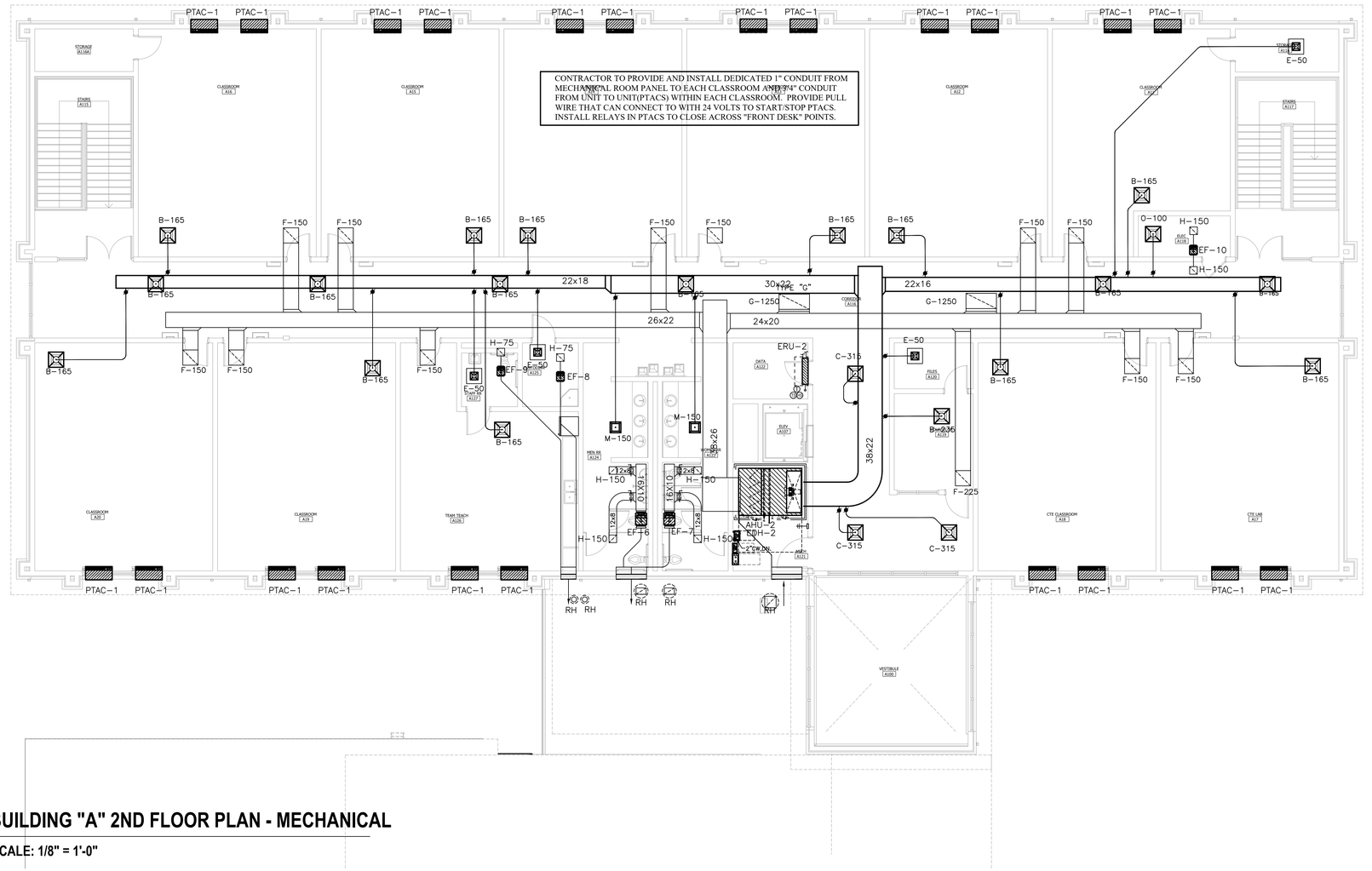
REVISIONS

BUILDING A 1ST FLOOR PLAN - MECHANICAL

SHEET No. M101



1 BUILDING "A" 2ND FLOOR PLAN - MECHANICAL

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

REFER TO SHEET M100 FOR MECHANICAL KEYNOTES

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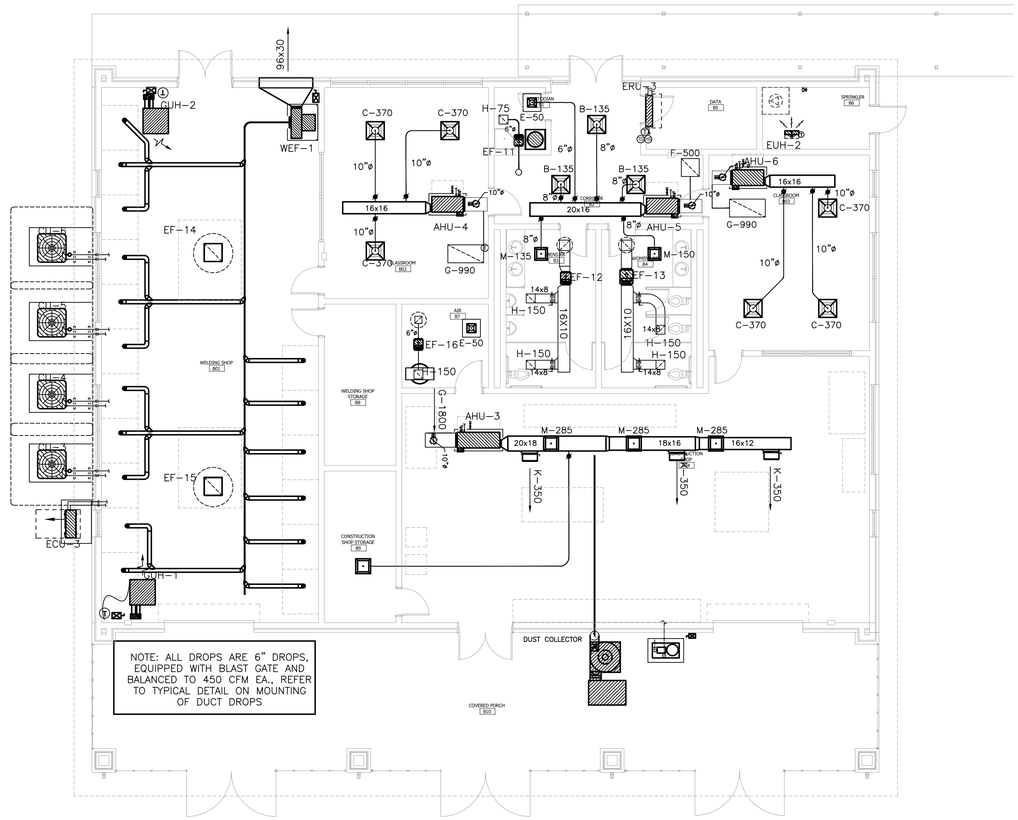
PROFESSIONAL OF RECORD

REVISIONS

BUILDING "A" 2ND FLOOR PLAN - MECHANICAL

SHEET No. M102



1 BUILDING "B" FLOOR PLAN - MECHANICAL

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

REFER TO SHEET M100 FOR MECHANICAL KEYNOTES

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REVISIONS

BUILDING "B" FLOOR PLAN - MECHANICAL

SHEET No. M103

LINEAR DIFFUSER IN THE CAFETERIA WITH INSULATED PLENUM BY MECHANICAL CONTRACTOR,COORDINATE WITH CEILING SYSTEM RE: ARCHITECTURAL. MECHANICAL CONTRACTOR TO PROVIDE THE REQUIRED INSULATED PLENUM.

CONTINUOUS LINEAR SLOT DIFFUSER BY MECHANICAL CONTRACTOR TO BE EQUAL PERFORMANCE AS PRICE MODEL AS-215 WITH INSULATED UNIVERSAL PLENUM 8"ø ROUND DUCT CONNECTION. PROVIDE CONTINUOUS SLOTS (LOCATED BETWEEN JOIST MEMBERS) WITH PLENUMS AS SHOWN, ALL OTHER AREAS TO BE BLANKED OFF. EACH SLOT DIFFUSERS TO BE BALANCED TO 175 CFM EACH. ALL BALANCING DAMPER TO BE EQUIPPED WITH REMOTE ELECTRONIC BALANCING DAMPER, ACCESS PORT TO BE CO-ORDINATED WITH ARCHITECT PRIOR TO INSTALLATION. INSULATED PLENUMS, ELECTRONIC DAMPERS, DUCT, ETC. BY MECHANICAL CONTRACTOR.

AIR CURTAIN ABOVE DOOR. AIR CURTAIN TO BE 48" AIR CURTAIN BERNER MODEL #SLC07-1048A 1/5 HP @ 120/1/60. PROVIDE 24V CONTROL PACKAGE WITH MAGNETIC DOOR CONTACTS.

REFER TO SHEET M002 FOR MECHANICAL KEYNOTES

1 BUILDING "C" FLOOR PLAN - MECHANICAL

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

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PROJECT No. 2412

20 CLASSROOM ADDITION
LORANGER HIGH SCHOOL
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TANGIPAHOA PARISH SCHOOL SYSTEM

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PROFESSIONAL OF RECORD

STATE OF LOUISIANA — HENRY C. EYRE, III — REG. NO. 33333 — REGISTERED PROFESSIONAL ENGINEER — CIVIL — MECHANICAL ENGINEERING

REVISIONS

BUILDING "C" FLOOR PLAN - MECHANICAL

SHEET No. M104

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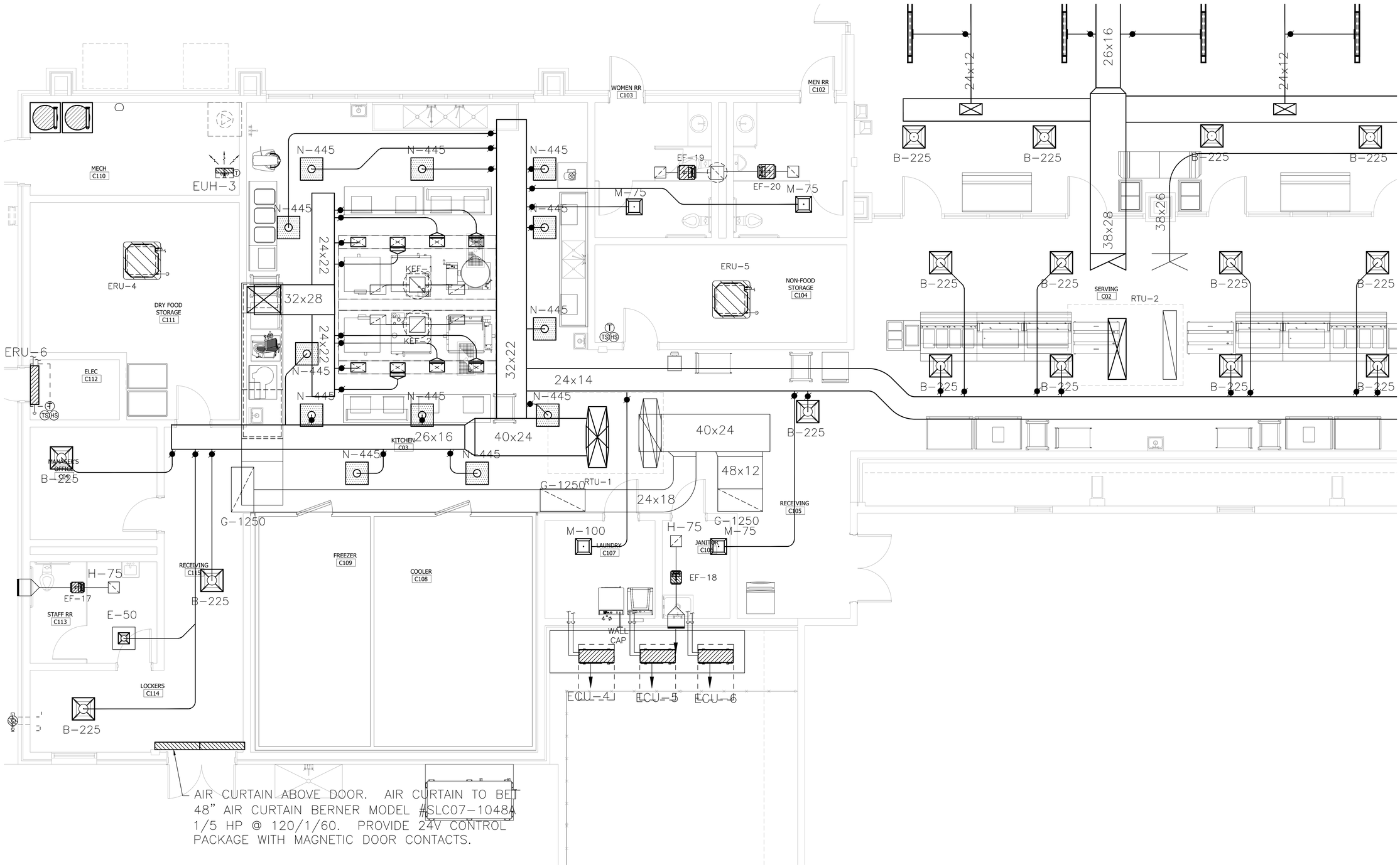

1 ENLARGED FLOOR PLAN - MECHANICAL

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

REFER TO SHEET M002 FOR MECHANICAL KEYNOTES

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LORANGER HIGH SCHOOL
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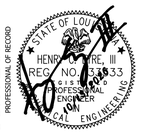
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD



REVISIONS

ENLARGED MECHANICAL FLOOR PLAN

SHEET No. M201

AIR HANDLING UNIT SCHEDULE A BUILDING

UNIT NO.	LOCATION	SERVICE	FAN DATA						MOTOR DATA				REFRIGERANT COIL DATA										ELECTRICAL (SGL. POINT CONN.)			ELEC. HEAT DATA				CONDENSATE DRAIN LINE (IN)	WEIGHT (LBS)	REMARKS
			TOTAL C.F.M.	O.A. MAX.	O.A. MIN.	EXT S.P.	MAX B.H.P.	R.P.M.	H.P.	VOLTS	PH / HZ	R.P.M.	MAX. FACE VELOCITY FT/MIN	SENS. CAP. M.B.H.	TOTAL CAP. M.B.H.	AIR ENT. D.B.	AIR ENT. W.B.	AIR LVG. D.B.	AIR LVG. W.B.	ROWS	MAX. APD	SUCTION TEMP.	AMB. TEMP.	ELECTRIC SERVICE	M.C.A.	MAX. FUSE	K.W.	M.B.H.	STAGES	ENT. D.B.	LVG. D.B.			
AHU-1,2	RE: DWGS.	RE: DWGS.	5,000	1,000	0	0.5"	–	–	6	480	3 / 60	BELT/VFD	500	119.35	169.8	80	67	58.5	56.2	4	1.0"	45	95	480/3/60	BASED ON MOTOR HP		REFER TO DUCT HEATER SCHEDULE				1-1/4"	1725	JOHNSON CONTROLS MODEL AMI SIZE 14 OR PRIOR APPROVED EQUAL

GENERAL NOTES:

1. ALL AIR HANDLING UNITS SHALL BE EQUIPPED WITH VIBRATION ISOLATORS, ALL COILS TO HAVE EXPANSION VALVES.
2. EXT S.P. DOES NOT INCLUDE DIRTY FILTER LOSS.
3. PROVIDE SINGLE POINT POWER (ELECTRICAL) CONNECTION.
4. ALL CONDENSATE DRAIN LINES TO BE INSULATED SCHEDULE 40 PVC.
5. ALL AIR HANDLING UNITS TO HAVE GLOBAL PLASMA SOLUTIONS SELF CLEANING NEEDLEPOINT BIPOLAR ION GENERATOR (MODEL GPS-DM48-AC). MOUNT ON SUPPLY AIR DUCT (ION GENERATOR PROBES TO BE LOCATED IN AIR STREAM) PRIOR TO ANY BRANCH DUCT TAKEOFFS TO SUPPLY GRILLES. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MULTI-VOLTAGE OPTIONS (FIELD CONVERTIBLE) FROM 24VAC-260VAC.
6. ELECTRIC HEATER NOMINAL KW IS AT 240/1/60. ACTUAL HEATER KW WILL DE-RATE TO 208/1/60. KW/MBH SCHEDULED IS ACTUAL HEAT REQUIRED.
7. PROVIDED WITH FREEZE STAT FOR FIELD.
8. PROVIDED WITH CIRCUIT BREAKERS AND CIRCUIT BREAKER COVER KIT FOR FIELD INSTALLATION.
9. PROVIDE 16GA, G90 GALVANIZED STEEL AUXILIARY DRAIN PANS (SEAMLESS) WITH FLOAT SWITCH (RESPECTIVE CONDENSING UNIT TO DE-ENERGIZE WHEN FLOAT SWITCH IS TRIPPED).

REMARKS:

1. NOT USED.
2. PROVIDE WITH SINGLE POINT POWER KIT FOR FIELD INSTALLATION.
3. NOT USED.
4. PROVIDED WITH DEHUMIDIFICATION RELAY KIT TO DECREASE BLOWER SPEED DURING DEHUMIFICIATION CALL FOR FIELD INSTALLATION.
5. PROVIDED WITH CIRCUIT BREAKER KIT FOR FIELD INSTALLATION.
6. PROVIDED WITH ECM MULTI-SPEED SUPPLY FAN MOTORS.

PROVIDE GLOBAL PLASMA SOLUTIONS(GPS) GPS-FC48-AC, REFER TO MANUFACTURERS INSTALLATION REQUIREMENTS FOR RECOMMENDATIONS ON PROPER INSTALL.

7. PROVIDE LENNOX THERMOSTATS (ONE PER HVAC SYSTEM), COMFORTSENSE 7500. COMFORTSENSE 7500 TO BE AS FOLLOWS:
   - 7.1. ELECTRONIC 7-DAY, UNIVERSAL, MULTI-STAGE, PROGRAMMABLE TOUCHSCREEN THERMOSTAT
   - 7.2. 4 HEAT/2 COOL
   - 7.3. AUTO-CHANGEOVER
   - 7.4. RELATIVE HUMIDITY SENSORS TO ADJUST BLOWER SPEED DURING DEHUMIDIFICATION CALL.
   - 7.5. PROVIDE TEMPERATURE & HUMIDITY SENSORS IN RETURN AIR PLENUM PRIOR TO OUTSIDE AIR MIXING WITH RETURN AIR.

AIR COOLED CONDENSING UNIT SCHEDULE A BUILDING

UNIT NO.	TONS OF REFR.	STAGES	COMPR. MOTOR DATA						COMPRESSOR DATA			CONDENSER DATA									UNIT WIRING DATA		WEIGHT (LBS)	EER	REMARKS
			NO. REQ'D.	VOLTS	PH. / HZ.	R.L.A. EACH	L.R.A. EACH	RPM	TYPE REFR.	SUCT. TEMP.	TOTAL M.B.H.	AMBIENT TEMP.	MIN. SEER2	COND. TEMP.	VOLTS	PH. / HZ.	NO. FANS	F.L.A. EACH	L.R.A. EACH	HP EACH	M.C.A.	MAX FUSE SIZE			
CU-1 CU-2	15	2	2	480	3 / 60	11.5	103	–	R-454B	45	180	95	14	120	480	3 / 60	4	1.1	–	–	30.3	40	950	14	JCI/FRASER JOHNSTON KC180C00A4BLD1 OR PRIOR APPROVED EQUAL

GENERAL NOTES:

1. LIQUID & SUCTION LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS WITH CONSIDERATION FOR ALL ACCESSORIES.
2. PROVIDE WITH FACTORY INSTALLED HAIL GUARDS.
3. PROVIDE SUCTION ACCUMULATORS.
4. PROVIDE WITH LOW AMBIENT CONTROL KIT (DOWN TO 30 DEG F) FOR FIELD INSTALLATION.
5. COORDINATE MOUNTING OF DISCONNECTS WITH ELECTRICAL CONTRACTOR PRIOR TO CONSTRUCTION.

NOTES:

1. PROVIDED WITH 2 STAGE SCROLL COMPRESSORS FOR 2 STAGES OF COOLING.
2. PROVIDED WITH FACTORY INSTALLED CRANKCASE HEATER.
3. PROVIDED WITH COIL GUARD.

THRU-THE-WALL HEAT PUMP UNIT SCHEDULE A BUILDING

MARK	SERVICE	COOLING BTUH OUTPUT MIN/MAX	TOTAL CFM HIGH/LOW	O/A CFM	HEATING OUTPUT BTUH MIN	HEATING OUTPUT BTUH MAX	MINIMUM CIRCUIT AMPACITY	MAXIMUM OVERLOAD PROTECTION	ELECTRIC SERVICE	REMARKS: FRIEDRICH FRESHAIRE SERIES	REMARKS
PTAC-1	SEE PLANS	6,100/15,500	459/329	20/52	6,000	14,000	16.8	20	277/1/60	PVH12R3FC	SEE BELOW FOR OPTIONS, ACCESSORIES, ETC.

1. MARKS APPEAR MULTIPLE TIMES THROUGH OUT THIS PROJECT. CONTRACTOR RESPONSIBLE FOR QUANTITY.
2. PROVIDE ELECTRICAL SUB-BASE KIT, WITH ADJUSTABLE LEGS, SIDE FILLER PANELS, MOUNTING BRACKETS, HARDWIRE KIT, DISCONNECT AND FIELD WIRING ACCESS.
3. PROVIDE INSULATED GALVANIZED STEEL WALL SLEEVE AND ARCHITECTURAL LOUVER/EXTERIOR WALL GRILLE(FIGURE IN BID ARCHITECTURAL GRILLE TO COME FROM MANUFACTURER CUSTOM COLORED, COORDINATE AND REFER WITH ARCHITECT FOR COLOR SELECTION).
4. PROVIDE ELECTRICAL POWER CORDS SIZED FOR HEATER PROVIDED REFER TO MANUFACTURERS DOCUMENTATION FOR POWER CORD OPTIONS, HARDWIRE KITS/ELECTRICAL SUB-BASE
5. CONDENSATE REMOVAL "SLINGER", CONDENSATE FROM PTAC DRAIN PAN IS SLUNG ONTO THE CONDENSER COIL FOR RE-EVAPORATION.
6. PROVIDE WITH WASHABLE FILTERS
7. PROVIDE COMPRESSOR FREEZE PROTECTION
8. PROVIDE 2-STAGE AIR CONDITIONING SYSTEM SUITABLE TO MAINTAIN ROOM TEMPERATURE AND HUMIDITY AND CONDITION OUTSIDE AIR BEFORE INTRODUCING TO SPACE.:
   - THE PRIMARY UNIT OR FIRST STAGE IS RESPONSIBLE FOR SENSIBLE HEAT CONTROL
   - THE SECONDARY UNIT OR SECOND STAGE IS PRIMARILY FOR DEHUMIDIFICATION OF OUTSIDE AIR
9. PROVIDE WITH DUAL STAGE ELEMENT HEATER, NOMINAL 3.5 KW
10. PROVIDE INVERTER VARIABLE SPREED COMPRESSORS.

PROVIDE GLOBAL PLASMA SOLUTIONS(GPS) FLEXIBLE ION BAR MODEL GPD-iRIB-36, REFER TO MANUFACTURERS INSTALLATION REQUIREMENTS FOR RECOMMENDATIONS ON PROPER INSTALL.

ROOFTOP UNIT SCHEDULE - HIGH EFFICIENCY C BUILDING

UNIT NO.	LOCATION	SERVICE	FAN DATA				SUPPLY MOTOR DATA						CONDENSER MOTOR DATA							REFRIGERANT COIL DATA											GAS HEAT MBH (SCHEDULED VALUES BASED ON SCHEDULED VOLTAGE)			HOT GAS REHEAT COIL			COMPRESSOR DATA				ELEC DATA (SINGLE PT. CONN.)			MAX WEIGHTS LBS.	REMARKS	UNIT NO.
			TOTAL C.F.M.	O.A. C.F.M.	EXT. S.P.	MAX. R.P.M.	#	H.P.	VOLTS	PH / HZ	R.P.M.	TYPE	#	HP EACH	FLA EACH	VOLTS	PH / HZ	R.P.M.	MAX. FACE VELOCITY	TOTAL CAP. M.B.H.	SENSIBLE CAP. M.B.H.	AIR ENT. D.B.	AIR ENT. W.B.	AIR LEAVING D.B.	AIR LEAVING W.B.	SUCTION TEMP.	AMB. TEMP.	INPUT HIGH	OUTPUT HIGH	E.A.T. D.B.	L.A.T. D.B.	STAGES	TOTAL MBH	L.A.T. D.B.	SENSIBLE CAPACITY	QUANT. STAGES	AMPS RLA	AMPS LRA	VOLTAGE	M.C.A.	MAX FUSE SIZE			
RTU-1																																												RTU-1
AND	ROOF	REFER TO DRAWINGS	6,500	1,750	1.0"	–	1	7.5	460	3 / 60	1094	DIRECT	4	–	2.3	460	3 / 60	1000	400 FPM	253.6	184.5	80.0	67.0	60.6	57.7	45	105	400	324	60.0	97.5	2	144.5	72.4	22.7	1 2	25 12.4	35.7 100.2	460/3/60	67.2	90	3250	TEMPMASTER LW20S3D04C1CBSN5F1 OR PRIOR APPROVED EQUAL	AND
RTU-2																																												RTU-2

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR DIRECT DRIVE OR BELT DRIVEN MOTORS.
2. PROVIDE HAIL GUARDS WITH ALL ROOF TOP UNITS.
3. ALL ROOFTOP UNITS SHALL BE EQUIPPED WITH VIBRATION ISOLATORS, ALL COILS TO HAVE EXPANSION VALVES.
4. ALL UNITS TO HAVE R-410A REFRIGERANT.
5. PROVIDE THERMOSTATS & HUMIDISTATS FOR ALL SYSTEMS, REFER TO SPECIFICATIONS.
6. ALL CONDENSATE DRAIN LINES (MAIN & AUXILIARY) TO BE INSULATED SCHEDULE 40 PVC (SOLVENT WELDED JOINTS). 1-1/2" UNLESS OTHERWISE NOTED.
7. ALL UNITS TO COME WITH FRESH AIR INTAKE HOOD WITH MOTORIZED DAMPER.
8. CONTRACTOR SHALL SUPPLY ALL REQUIRED PULLEY'S & SHEAVES AS TO BALANCE AIR TO SPECIFIED CFM. PROVIDE ADDITIONAL PULLEY'S AND SHEAVES AS REQUIRED.
9. PROVIDE 14" PREFABRICATED ROOF CURB.
10. ALL UNITS TO HAVE INTEGRAL CIRCUIT BREAKERS FOR MEANS OF DISCONNECT.
11. ALL UNITS TO HAVE SIDE CONDENSATE PIPE CONNECTIONS.
12. PROVIDE DEDICATED 120/1/60 20 AMP BREAKER/CIRCUIT FOR CONVIENENCE RECEPTACLE.
13. SUBMITTAL DATA TO INCLUDE MANUFACTURER RECOMMENDED ROOF OPENING & INSTALLATION GUIDELINES.
14. APPROVED MANUFACTURER'S: DAIKIN, LENNOX OR PRIOR APPROVED EQUAL.
15. EXT S.P. DOES NOT INCLUDE DIRTY FILTER LOSS.
16. RTU UNITS SHALL COME WITH THE FOLLOWING OPTIONS:
    - A. MOTORIZED OA DAMPERS/W HOOD
    - B. HOT GAS REHEAT
    - C. CONSTANT AIR VOLUME DRIVE
    - D. DISCONNECT - WEATHERPROOF
    - E. DOWNFLOW PREFABRICATED INSULATED 14" ROOF CURB WITH VIBRATION ISOLATION RAILS THERMOSTAT AND HUMIDISTAT
    - F. NATURAL GAS HEATER/FURNACE - SEE SCHEDULE FOR ONE OR TWO STAGE
    - G. HAIL/COIL GUARD
    - H. MERV 8 FILTERS
17. PROVIDE GLOBAL PLASMA SOLUTIONS SELF CLEANING NEEDLEPOINT BIPOLAR ION GENERATOR MODEL GPS-DM48-AC (24VAC LOW VOLTAGE CIRCUIT) AT ALL UNITS. MOUNT ON SUPPLY AIR DUCT (ION GENERATOR TO BE LOCATED IN AIR STREAM FOR INDOOR AIR QUALITY) PRIOR TO ANY BRANCH DUCT TAKEOFFS TO SUPPLY GRILLES. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. INTEGRATE INTO TEMPERATURE CONTROLS SYSTEM, REFER TO SPECIFICATION 230900. REFER TO SPECIFICATION 233500.

DUCTLESS MINI-SPLIT SYSTEM

UNIT NO.	SERVICE/LOCATION	FAN DATA (INDOOR UNIT) COOLING CFM SLO-LO-MED-HI	MCA	F.L.A AMPS	COOLING DATA RATED AMPS	COOLING DATA RUNNING CURRENT	COOLING DATA TOTAL CAP. M.B.H.	HEATING DATA RATED AMPS	HEATING DATA RUNNING CURRENT	HEATING DATA TOTAL CAP. M.B.H.	COMPRESSOR DATA MCA	COMPRESSOR DATA MAX. FUSE	COMPRESSOR DATA RLA	ELECTRIC SERVICE	MANUFACTURER	ECU WEIGHT LBS.	REMARKS
ERU-1,2,3,4 ECU-1,2,3,4	SEE DRAWINGS	512-572-742-915	–	0.37	–	0.37	34.4	–	0.37	36.00	19.8	20	18.25	208/1/60	LG	150	WALL MOUNT TYPE; ERU TO BE MODEL # KNSA18 , ECU TO BE MODEL # KUSA18
ERU-5,6 ECU-5,6	SEE DRAWINGS	512-572-742-915	–	0.37	–	0.37	34.4	–	0.37	36.00	19.8	20	18.25	208/1/60	LG	150	CASSETTE TYPE; ERU TO BE MODEL # KNSC24 , ECU TO BE MODEL # KUSA24

1. LIQUID & SUCTION LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS WITH CONSIDERATION FOR ALL ACCESSORIES, LENGTH OF RUN, TURNS, AND ELEVATION CHANGES TO INSURE PROPER OPERATION AND CAPACITY.
2. CONTRACTOR TO PROVIDE REMOTE WALL MOUNTED THERMOSTAT, LOCATE BY LIGHT SWITCH.
3. NOT USED.
4. PROVIDE LOW AMBIENT OPERATION KIT.
5. ALL UNITS TO HAVE R-454B REFRIGERANT.
6. UNIT TO BE INVERTER TYPE.
7. ALL UNITS TO HAVE MAXIMUM EQUIVALENT REFRIGERANT RUN LENGTH OF 98'-0", NO EXCEPTION.

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL NO.	C.F.M.	SUPPLY	RETURN	EXHAUST	O.A.	REGISTER	GRILLE	DIFFUSER	DOOR GR	LOUVER	CEILING	WALL/DR.	NECK SIZE	FACE SIZE	MATERIAL	FINISH	O.B.D.	SECTORIZING BAFFLE	REMARKS
A	PRICE	SERIES ASPD	SEE DWG.	●						●			●		6"ø	24x24	ALUMINUM	WHITE	NO	NO	PLAQUE DIFFUSER
B	PRICE	SERIES ASPD	SEE DWG.	●						●			●		8"ø	24x24	ALUMINUM	WHITE	NO	NO	PLAQUE DIFFUSER
C	PRICE	SERIES ASPD	SEE DWG.	●						●			●		10"ø	24x24	ALUMINUM	WHITE	NO	NO	PLAQUE DIFFUSER
D	PRICE	SERIES ASPD	SEE DWG.	●						●			●		12"ø	24x24	ALUMINUM	WHITE	NO	NO	PLAQUE DIFFUSER
E	PRICE	SERIES ASPD	SEE DWG.	●						●			●		6"ø	12x12	ALUMINUM	WHITE	NO	NO	PLAQUE DIFFUSER
F	PRICE	SERIES 630	SEE DWG.		●				●				●	●	24x24	24x24	ALUMINUM	WHITE	NO	NO	LOUVER FACE, 3/4" BLADE SPACING
G	PRICE	SERIES 630	SEE DWG.		●				●				●	●	48x24	48x24	ALUMINUM	WHITE	NO	NO	LOUVER FACE, 3/4" BLADE SPACING
H	PRICE	SERIES 630	SEE DWG.		●				●				●	●	14x14	14x14	ALUMINUM	WHITE	NO	NO	LOUVER FACE, 3/4" BLADE SPACING
I	PRICE	SERIES 80	SEE DWG.			●			●				●	●	24X24	24X24	ALUMINUM	WHITE	NO	NO	EGGCRATE TYPE
J	PRICE	SERIES 80	SEE DWG.			●							●		48X24	48X24	ALUMINUM	WHITE	NO	NO	EGGCRATE TYPE
K	PRICE	SERIES 620	SEE DWG.	●										●	20x10	20x10	ALUMINUM	WHITE	NO	NO	SIDEWALL GRILLE, DOUBLE DEFLECTION
L	PRICE	SERIES AMDA	SEE DWG.	●					●				●	●	9X9	15X15	ALUMINUM	WHITE	NO	NO	ADJUSTABLE, BEVEL FRAME, TYPE 36 BORDER
M	PRICE	SERIES AMDA	SEE DWG.	●					●				●	●	12X12	17X17	ALUMINUM	WHITE	NO	NO	ADJUSTABLE, BEVEL FRAME, TYPE 36 BORDER
N	PRICE	SERIES PDDR	SEE DWG.			●							●		14"ø	24x24	ALUMINUM	WHITE	NO	NO	PERFORATED RETURN USED AS SUPPLY
O	ACCUTHERM	SERIES TH	SEE DWG.	●										●	12x6	12x6	ALUMINUM	WHITE	NO	NO	THERMAFUSER HEAT AND COOLING

1. REFER TO ARCH FOR CEILING TYPE, CONTRACTOR TO PROVIDE AND INSTALL PLASTER FRAME FOR GYPSUM BOARD CEILING INSTALLATION.
2. ALL GRILLES, REGISTERS, DIFFUSERS, ETC. TO COME WITH CUSTOM COLOR FINISH UNLESS OTHERWISE SPECIFIED BY ARCHITECT IN FIELD DURING CONSTRUCTION. FINISH SHOULD BE SUITABLE FOR PAINTING WITHOUT ANY ADDITIONAL PREPARATION.
3. NOT ALL MARKS NECESSARILY FOUND ON THE PLANS.
4. ALL GRILLES SHALL BE ALUMINUM CONSTRUCTION UNLESS OTHERWISE NOTED ON DRAWINGS.
5. MANUFACTURERS MODEL NUMBER REPRESENTS QUALITY OF EQUIPMENT TO BE INSTALLED, THIS PROJECT.
6. PERFORMANCE DATA FOR ALL GRILLES, LINEARS, DIFFUSERS, ETC. MUST BE SUBMITTED TO ENGINEER BEFORE PRIOR APPROVAL IS AWARDED.
7. NAILOR, KRUEGER, & TITUS - APPROVED MANUFACTURERS.
8. ALL DIFFUSERS/GRILLES/REGISTERS LOCATED IN ACOUSTICAL CEILING TILE ASSEMBLY TO HAVE PANEL THE SAME SIZE OF THE GRID (12x12 FACE DIFFUSER IN 24x24 GRID TO BE IN 24x24 PANEL).
9. FIGURE IN BID SQUARE TO ROUND TRANSITION FOR ALL SQUARE NECK GRILLES/DIFFUSERS FOR CONNECTION TO ROUND BRANCH DUCTS.
10. ALL GRILLES/REGISTERS/DIFFUSERS SIZES AS NOTED ON SCHEDULE UNLESS OTHERWISE NOTED ON DRAWINGS.
11. FIGURE IN BID PROVIDING SQUARE TO ROUND TRANSITIONS AND/OR REDUCER ON REAR OF ALL AIR DISTRIBUTION DEVICES.
12. ALL LOUVERED FACED AIR DEVICES INSTALLED ON WALLS GREATER THAN 9'-0" ABOVE FINISHED FLOOR SHALL HAVE THE LOUVERS FACING TOWARDS THE CEILING/ROOF DECK.

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA — HENRY C. EYRE, III — REG. NO. 34333 — PROFESSIONAL ENGINEER — CIVIL ENGINEERING

MECHANICAL SCHEDULES

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PRINTED: 10-13-2026

EXHAUST FAN SCHEDULE

UNIT NO.	LOCATION	SERVICE	C.F.M.	TOTAL S.P. I.W.G.	TYPE	DRIVE	FAN R.P.M.	SONES	MOTOR DATA HP	VOLTS	PH./HZ	R.P.M.	ENCLOSURE	WEIGHT LBS	REMARKS	CONTROLLED BY
EF-1,2,6,7,21,22	CEILING	SEE PLAN	300	0.25"	INLINE	VG	1,207	–	1/10	277	1/60	–	TENV	50	GREENHECK MODEL SQ-90-VG, OR PRIOR APPROVED EQUAL	INTERCONNECTTED WITH LIGHTS
EF-3,4,8,9,11,17	CEILING	SEE PLAN	75	0.2"	INLINE	VG	833	–	1/4	277	1/60	–	TENV	55	GREENHECK MODEL SQ-97-VG, OR PRIOR APPROVED EQUAL	INTERCONNECTTED WITH LIGHTS
EF-5,10,16,19,20	CEILING	SEE PLAN	150	0.2"	INLINE	VG	1,108	–	1/10	277	1/60	–	TENV	50	GREENHECK MODEL SQ-90-VG, OR PRIOR APPROVED EQUAL	INTERCONNECTTED WITH LIGHTS
EF-12,13	CEILING	SEE PLAN	225	0.25"	INLINE	VG	934	–	1/10	277	1/60	–	TENV	50	GREENHECK MODEL SQ-90-VG, OR PRIOR APPROVED EQUAL	INTERCONNECTTED WITH LIGHTS
EF-14,15	ROOF	SEE PLAN	1,250	0.25"	DOWNBLAST	DIRECT	507	–	1	480	3/60	–	TEFC	105	GREENHECK MODEL SG-180-VG, OR PRIOR APPROVED EQUAL	SWITCH ON WALL
WEF-1	SEE PLAN	SEE PLAN	7,650	4.0"	UTILITY	BELT	1531	91	15	480	3/60	–	ODP		GREENHECK MODEL IP-21-A1, OR PRIOR APPROVED EQUAL	SWITCH ON WALL
KEF-1,2	KIT. ROOF	SEE PLAN	3,850	1.25"	UPBLAST	DIRECT	1171	17.9	5	480	3/60	–	TEFC		GREENHECK MODEL CUE-200HP-A, OR PRIOR APPROVED EQUAL	SWITCH ON UDS
KSF-1	REFER TO MARK KSF-1 EQUIPTMENT SCHEDULE FOR TEMPERED MAKE-UP AIR UNIT															

GENERAL NOTES:
1. PROVIDE ALL EXHAUST FANS WITH BACKDRAFT DAMPERS & INTEGRAL DISCONNECTS.
2. COORDINATE WITH ELECTRICAL CONTRACTOR ON CONNECTION OF FAN, REFER TO SCHEDULES.
3. MANUFACTURERS MODEL NUMBER REPRESENTS QUALITY OF EQUIPMENT TO BE INSTALLED, THIS PROJECT.
4. ALL CABINET/INLINE FANS TO HAVE INSULATED FAN HOUSINGS.
5. SOME FANS APPEAR MORE THAN ONCE IN PROJECT, REFER TO DRAWINGS.
6. PROVIDE SPEED CONTROLLERS AT ALL DIRECT DRIVE FANS FOR AIR BALANCING.
7. ALL FANS SHALL BE ALL ALUMINUM CONSTRUCTION (FAN HOUSING, ETC.).
8. EQUIPMENT SHALL BE RATED A MINIMUM OF 75°(C) IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) ARTICLE 110.14.
9. ALL MOTORS SHALL HAVE SHAFT GROUNDING RINGS.
10. APPROVED MANUFACTURERS: TWIN CITY, COOK, PENNBARRY.

MODEL: KFSFB:
FILTERED ROOF SUPPLY FAN
STANDARD CONSTRUCTION FEATURES:
1. REMOVABLE INSULATED HOOD COVER
2. CURB CAP WITH PREPUNCHED MOUNTING HOLES BLOWER
3. AND MOTOR ASSEMBLY ISOLATED ON SHOCK MOUNTS
4. FORWARD CURVED STEEL FAN WHEEL
5. ADJUSTABLE MOTOR PULLEY
6. ADJUSTABLE MOTOR PLATE
7. BALL BEARING MOTOR FAN
8. SHAFT MOUNTED IN BALL BEARING PILLOW BLOCKS
9. STATIC FREE BELTS
10. CORROSION RESISTANT FASTENERS

SELECTED OPTIONS & ACCESSORIES:
1. NEMA PREMIUM EFFICIENT MOTOR – MEETS NEMA TABLE 12-12
2. UL/CUL 705 LISTED – "POWER VENTILATORS"
3. SWITCH, NEMA-3R, TOGGLE, JUNCTION BOX MOUNTED & WIRED
4. DAMPER SHIPPED LOOSE, GRAVITY OPERATED, COATED
5. COATING BAKED ENAMEL (CUSTOM COLOR), COATING COLOR TO MATCH METAL ROOF, EXTERIOR ONLY
6. ALUMINUM HOUSING
7. 2 IN. WASHABLE ALUMINUM FILTERS
8. DUCT ADAPTER
9. UNIT WARRANTY: 1 YR (STANDARD)
10. PROVIDE DUAL BELT DRIVE WITH GRIP NOTCH BELTS.

GREENHECK MODEL #CUBE FAN ACCESSORIES:
BELT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN
STANDARD CONSTRUCTION FEATURES:
1. ALUMINUM HOUSING
2. BACKWARD INCLINED ALUMINUM WHEEL
3. CURB CAP WITH PREPUNCHED MOUNTING HOLES
4. MOTOR AND DRIVES ISOLATED ON SHOCK MOUNTS
5. DRAIN TROUGH
6. BALL BEARING MOTORS
7. ADJUSTABLE MOTOR PULLEY
8. ADJUSTABLE MOTOR PLATE
9. FAN SHAFT MOUNTED IN BALL BEARING PILLOW BLOCKS
10. BEARINGS MEET OR EXCEED TEMPERATURE RATING OF FAN
11. STATIC RESISTANT BELTS
12. CORROSION RESISTANT FASTENERS INTERNAL
13. LIFTING LUGS

SELECTED FEATURES & ACCESSORIES:
1. NEMA PREMIUM EFFICIENT MOTOR MEETS NEMA TABLE 12-12
2. AUTOMATIC BELT TENSIONER
3. UL/CUL 762 LISTED – "POWER VENTILATORS FOR REST. EXH. APPLIANCES"
4. SWITCH, NEMA-3R, TOGGLE, JUNCTION BOX MOUNTED & WIRED
5. CURB EXTENSION-ALUM.
6. HINGED BASE
7. CURB SEAL
8. BIRDSCREEN: ALUMINUM
9. HEAT BAFFLE (ATTACHED)
10. BEARINGS WITH GREASE FITTINGS, L10 LIFE OF 100,000 HRS (L50 AVG. LIFE 500,000 HRS)
11. ROOF CURB – 24" TALL – ALUMINUM CONSTRUCTION.
12. MOTOR VFD RATED WITH SHAFT GROUNDING PROTECTION.
13. GREASE TRAP.

EQUIPMENT SCHEDULE

Tempered Make-Up Air Unit — **Mark: Ksf-1**

Qty	GREENHECK Model	Volume	External SP	Total SP	MCA	MOP	Weight	SCCR
1	DGX-P122-H22-D1-10	6,160 CFM	1 in. wg	2.318 in. wg	-	-	2,554 lb	5kA

Motor Information

Size	V/C/P	Enclosure	Motor with Shaft Gounding	Motor RPM	Operating Power
5 hp	480/60/3	ODP	No	1200	3.54 hp

Heating

Type	Gas Type	Temperature			Energy			Connection Gas (IN)	Building Gas Pressure	Control Access	Gas Pressure	
		Winter DB	Max Δ	Max LAT	Input	Output	Efficiency				Min	Max
Direct Gas	Natural	27.6 F	55.3 F	85.0 F	400 MBH	368 MBH	92%	1"	1/2 PSI	Right Hand	12 in. wg	0.5 PSI

Cooling

Cooling Type	Coil Model	Rows Deep	Fins Per Inch	Face Velocity	Total Energy	Sensible Energy	Entering Air (F) Dry	Entering Air (F) Wet	Leaving Air (F) Dry	Leaving Air (F) Wet
Packaged DX	DX38S02S10-36x55-RH	2	10	448 ft/min	139.9 MBH	120.6 MBH	94.2	80.3	74.9 F	75.0 F

Coil SP	Refrigerant	Suction Temp	Liquid Temp	Super Heat		Suction Conn Qty / Size	Liquid Conn Qty / Size
NA	R-454B	56.6 F	110 F	8 F	Code 18/19 0	NA	NA

OPTIONS AND ACCESSORIES
Extended Compressor Warranty: 5 years
Air Flow Arrangement: Outdoor Air Only
Weatherhood: Aluminum Mesh, 20x25x2 - (6)
Damper: Inlet
Outdoor Air Intake Position: End
Discharge Position: Bottom
Coating: Galvanized
Cooling Coil Coating - None
Insulation: Double Wall - Tempering On
Supply Fan Control: VFD
VFD Control: Constant Volume
Access Side: Right-Hand
Unit Weight: 3228 lb
Control Center
Heat Inlet Air Sensor
Cool Inlet Air Sensor
External Cooling Lockout Relay
Unit Controls: Terminal Strip
Temperature Control: Discharge
Direct Gas Options/Accessories
Approvals: ETL
PROVIDE NETWORK CARD FOR CONNECTION TO BUILDING

GAS FIRED UNIT HEATER SCHEDULE

MARK	SERVICE	BTUH INPUT	BTUH OUTPUT	TOTAL CFM	HP MIN.	FLUE SIZE	COMB. AIR INLET SIZE	ELECTRIC SERVICE	WEIGHT	REMARKS
GUH-1,2	WELDING LAB	200000	166000	2560	1/4	5"	6"	120/1/60	300	REZNOR UDAS-200, MODINE HDS, OR APPROVED EQUAL

1. PROVIDE SUMMER FAN SWITCH TO OPERATE THE FAN ONLY.
2. MOUNT HEATERS AS HIGH AS POSSIBLE PER MANUFACTURES RECOMMENDATION, COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
3. ROUTE CONCENTRIC FLUE AND AIR INLET UP THRU ROOF, RE: DETAIL.
4. ALL GAS FIRED HEATERS TO BE SEPARATED COMBUSTION TYPE.
5. ALL HEATERS TO COME WITH VENT TERMINAL/COMBUSTION AIR INLET ASSEMBLY.

ELECTRIC UNIT HEATER SCHEDULE

UNIT NO.	LOCATION	CAPACITY K.W.	CAPACITY MBH	STAGES	MOTOR DATA C.F.M.	MOTOR DATA R.P.M.	MOTOR DATA H.P.	ELEC. DATA VOLTS	ELEC. DATA PH./HZ.	ELEC. DATA AMPS	TEMP. RISE DEGREE F	WEIGHT	REMARKS
EUH-1,2,3	REFER DWGS.	3.33	25.6	1	700	1550	–	480	3/60	4	34	54	MARKEL 5100 SERIES OR PRIOR APPROVED EQUAL

1. ELECTRIC UNIT HEATERS TO BE CONTROLLED BY UNIT MOUNTED THERMOSTATS.
2. ALL HEATERS TO BE MOUNTED FROM STRUCTURE ABOVE.
3. RAYWALL, REDDI, INDEECO, APPROVED MANUFACTURER'S.
4. PROVIDE SUMMER FAN SWITCH TO OPERATE THE FAN ONLY.

BASIS OF DESIGN:
THE MANUFACTURER AND MODEL NUMBER LISTED IN THE DRAWINGS OR SPECIFICATIONS ARE THE BASIS OF DESIGN. WHEN PROVIDING EQUIPMENT BY AN ACCEPTABLE MANUFACTURER THAT IS NOT BASIS OF DESIGN, THE CONTRACTOR SHALL PROVIDE AS A PART OF THE SUBMITTAL AND/OR SHOP DRAWING AN ITEMIZED LIST OF ALL MODIFICATIONS REQUIRED TO INSTALL THE NON-BASIS OF DESIGN EQUIPMENT FROM THE INFORMATION DETAILED IN BOTH THE SPECIFICATION SECTION AND EQUIPMENT SCHEDULE. ADDITIONALLY, THE EQUIPMENT MUST ADDRESS THE PHYSICAL CONSTRAINTS OF SPACE INCLUDING COORDINATION WITH OTHER TRADES AND ALL EQUIPMENT CLEARANCES. FINALLY, THE CONTRACTOR SHALL PROVIDE AT NO ADDITIONAL COST TO THE PROJECT ANY SCOPE INCREASE BASED ON THE NON-BASIS OF DESIGN EQUIPMENT FOR THE FOLLOWING MINIMUM ITEMS:
- ELECTRICAL MODIFICATIONS, INCLUDING WIRING, CONDUIT, DISCONNECTS, OVERCURRENT PROTECTION, PANELS, MOTORS, ETC.
- PLUMBING MODIFICATIONS, INCLUDING DOMESTIC WATER, SANITARY, CONDENSATE, AND GAS PIPING, ETC.
- STRUCTURAL MODIFICATIONS
- CIVIL MODIFICATIONS
- DUCT AND PIPE CONNECTIONS OR ARRANGEMENTS
- SPACE HEATING AND COOLING REQUIREMENTS
- EXHAUST OR VENTILATION REQUIREMENTS
- VIBRATION ISOLATION REQUIREMENTS
- CONTROLS REQUIREMENTS TO MEET SPECIFICATIONS

AIR HANDLING UNIT SCHEDULE B BUILDING

UNIT NO.	FAN DATA TOTAL C.F.M.	FAN DATA O.A. MAX.	FAN DATA O.A. MIN.	FAN DATA EXT S.P.	MOTOR DATA H.P.	MOTOR DATA VOLTS	MOTOR DATA PH./HZ	MOTOR DATA R.P.M.	REFRIGERANT COIL DATA MAX FACE VELOCITY FT/MIN	SENS. CAP. M.B.H.	TOTAL CAP. M.B.H.	AIR ENT. D.B.	AIR ENT. W.B.	AIR LVG. D.B.	AIR LVG. W.B.	ROWS	FINS FPI	SUCTION TEMP.	AMB. TEMP.	ELEC. HEAT DATA K.W.	M.B.H.	STAGES	ENT. D.B.	LVG. D.B.	ELECTRICAL (SINGLE POINT CONN.) ELECTRIC SERVICE	M.C.A.	M.O.P.	CONDENSATE DRAIN LINE (IN)	WEIGHT (LBS.)	MANUFACTURER, MODEL #
AHU-4,6 (3 TON)	1,100	–	–	0.5"	3/4	208	1/60	ECM	500	28.8	36.0	80.0	67.0	55.0	54.7	–	–	45	95	12.5	42.6	2	70.0	95.85	208/1/60	64	70	1-1/4"	350	LENNOX MODEL CBK48MVT-036 OR APPROVED EQUAL
AHU-5 (4 TON)	1,500	–	–	0.5"	1	208	1/60	ECM	500	38.4	48.0	80.0	67.0	55.0	54.7	–	–	45	95	20.0	68.26	2	70.0	101.59	208/1/60	100	100	1-1/4"	350	LENNOX MODEL CBK48MVT-048 OR APPROVED EQUAL
AHU-3 (5 TON)	1,900	–	–	0.5"	1	208	1/60	ECM	500	48.0	60.0	80.0	67.0	55.0	54.7	–	–	45	95	25.0	85.3	2	70.0	95.0	208/1/60	122	125	1-1/4"	350	LENNOX MODEL CBK48MVT-060 OR APPROVED EQUAL

GENERAL NOTES:
1. EXT S.P. DOES NOT INCLUDE DIRTY FILTER LOSS.
2. ALL CONDENSATE DRAIN LINES TO BE RIGID INSULATED COPPER.
3. PROVIDE HUMIDITY SENSORS FOR ALL AIR HANDLING UNITS.
4. PROVIDE LENNOX S40 COMMUNICATING SMART THERMOSTAT FOR ALL AIR HANDLING UNITS.
5. CONTRACTOR TO PROVIDE 4" FILTER RACK AT ALL AIR HANDLING UNITS.
6. PROVIDE TEMPERATURE AND HUMIDITY SENSORS IN RETURN AIR DUCT PRIOR TO OUTSIDE AIR DUCT CONNECTION.
8. ALL AIR HANDLING UNITS TO HAVE GLOBAL PLASMA SOLUTIONS SELF CLEANING NEEDLEPOINT BIPOLAR ION GENERATOR (MODEL GPS-DM48-AC). MOUNT ON SUPPLY AIR DUCT (ION GENERATOR PROBES TO BE LOCATED IN AIR STREAM) PRIOR TO ANY BRANCH DUCT TAKEOFFS TO SUPPLY GRILLES. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MULTI-VOLTAGE OPTIONS (FIELD CONVERTIBLE) FROM 24VAC-260VAC.
9. ALL UNITS TO HAVE ELECTRIC HEAT.
10. ALL UNITS TO HAVE ELECTRIC HEAT CIRCUIT BREAKER COVER KIT.
11. PROVIDE SINGLE-POINT POWER SOURCE CONTROL BOX (FOR ELECTRIC HEAT) FOR ALL AIR UNITS.

CONDENSING UNIT SCHEDULE B BUILDING

UNIT NO.	TONS OF REFR.	COMPR. MOTOR DATA NO. REQ'D.	COMPR. MOTOR DATA VOLTS	COMPR. MOTOR DATA PH./HZ.	COMPR. MOTOR DATA R.L.A. EACH	COMPR. MOTOR DATA L.R.A. EACH	COMPRESSOR DATA TYPE REFR.	COMPRESSOR DATA SUCT. TEMP.	COMPRESSOR DATA TOTAL (M.B.H.) COOLING	CONDENSER DATA AMBIENT TEMP.	CONDENSER DATA MIN. SEER	CONDENSER DATA MIN. EER	CONDENSER DATA COND. TEMP.	CONDENSER DATA VOLTS	CONDENSER DATA PH./HZ.	CONDENSER DATA NO. FANS	CONDENSER DATA F.L.A. EACH	CONDENSER DATA H.P. EACH	UNIT WIRING DATA M.C.A.	UNIT WIRING DATA MAX FUSE SIZE	WEIGHT (LBS.)	MANUFACTURER, MODEL #
CU-4,6	3	1 (VARIABLE SPEED)	208	1/60	15.4	–	R-454B	45	36.0	95	25	–	120	208	1/60	1	2.6	–	21.8	35	350	LENNOX MODEL SL25KCV-036 OR APPROVED EQUAL
CU-5	4	1 (VARIABLE SPEED)	208	1/60	21.3	–	R-454B	45	48.0	95	25	–	120	208	1/60	1	2.6	–	29.2	50	350	LENNOX MODEL SL25KCV-048 OR APPROVED EQUAL
CU-3	5	1 (VARIABLE SPEED)	208	1/60	20.8	–	R-454B	45	60.0	95	25	–	120	208	1/60	1	2.6	–	28.6	45	350	LENNOX MODEL SL25KCV-060 OR APPROVED EQUAL

GENERAL NOTES:
1. LIQUID & SUCTION LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS WITH CONSIDERATION FOR ALL ACCESSORIES.

DUCT HEATER SCHEDULE (ELECTRIC, DUCT MOUNTED, ZERO CLEARANCE) A BUILDING

MARK	SERVICE	C.F.M.	K.W.	M.B.H.	NO. STEPS	MAX P.D.	DUCT SIZE	ELECTRIC SERVICE	ENT D.B.	LVG D.B.	REMARKS
EDH-1	AHU-1	5,000	40.0	136.5	SCR	0.1"	42x20	460/3/60	65.00	91.33	INDEECO ZUB SERIES OR PRIOR APPROVED EQUAL
EDH-2	AHU-2	5,000	40.0	136.5	SCR	0.1"	42x20	460/3/60	65.00	91.33	INDEECO ZUB SERIES OR PRIOR APPROVED EQUAL

GENERAL NOTES:
1. PROVIDE DUCT HEATER WITH FACTORY MOUNTED DISCONNECTS, AIR FLOW AND OVER TEMPERATURE CONTROL CUTOUTS.
2. ELECTRIC DUCT HEATER TO BE INSTALLED ON DISCHARGE OF RESPECTIVE AIR HANDLING UNIT.
3. ELECTRIC DUCT HEATERS TO BE INSTALLED IN INTERNALLY INSULATED DUCT.
4. ELECTRIC DUCT HEATER TO BE PROVIDED WITH SCR CONTROL, COORDINATE INSTALLATION WITH MANUFACTURER RECOMMENDATIONS.
5. ALL DUCT HEATERS & RESPECTIVE COOLING COILS COULD RUN AT SAME TIME.
6. DUCT HEATERS TO COME EQUIPPED ABLE TO BE INSTALLED/MOUNTED VERTICALLY AND HORIZONTALLY.
7. PROVIDE THE FOLLOWING ACCESSORIES:
   - 7.1 DISCONNECTING CONTACTORS
   - 7.2 AIR PRESSURE SWITCH
   - 7.3 TRANSFORMER WITH PRIMARY FUSING
   - 7.4 CIRCUIT FUSING PER UL & NEC.
   - 7.5 DOOR INTERLOCKING DISCONNECT SWITCH (NON-FUSED)
   - 7.6 SCR CONTROLS (FURNISHED AND FACTORY WIRED)
   - 7.7 0-10V INTERFACE FOR SCR CONTROL
   - 7.8 CONTROL CIRCUIT TRANSFORMER
   - 7.9 DERATED ELEMENTS
   - 7.10 HINGED LID
   - 7.11 SINGLE POINT TERMINAL BLOCK (FUSING AS REQUIRED)
   - 7.12 AUTOMATIC & MANUAL THERMAL CUTOUT

CARPENTER SHOP EQUIPMENT (OWNER FURNISHED)

NAME	CFM EXHAUST	DUCT SIZE	REMARKS
TABLE SAW	350	4"ø	
JOINER	400	4"ø	
PLANER	800	6"ø	
ROUTER	400	4"ø	
BAND SAW	400	4"ø	
MITER SAW	350	4"ø	
BELT SANDER	350	4"ø	
LATHE	400	4"ø	
DRILL PRESS	400	4"ø	
FLOOR SWEEPS	350	4"ø	FOUR (4) LOCATIONS, W/ FOOT OPERATED DAMPER

NOTE:
1. ALL CARPENTRY EQUIPMENT NOTED ON PLANS IS N.I.C. CONNECTION OF DUST REMOVAL SYSTEM IS IN CONTRACT. COORDINATE SCHEDULE OF CONNECTIONS WITH THE CONTRACTING OFFICER. INDIVIDUAL CARPENTRY EQUIPMENT SHALL BE INSTALLED BY OTHERS.
2. ALL DUCT DROPS TO EQUIPMENT AND DUST PORTS TO BE EQUIPPED WITH BLAST GATE TYPE MANUAL DAMPERS, CARMON SERIES BG OR EQUAL. FLOOR SWEEP TO BE EQUIPPED WITH FOOT OPERATED DAMPER.
3. DUCT CONNECTION TO EQUIPMENT MAY VARY BASED ON EQUIPMENT PROVIDED FROM THAT DETAILED, CONTRACTOR TO CO-ORDINATE WITH OWNER'S EQUIPMENT AND OFFSET ACCORDINGLY IF REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

AIR FLOW WOODWORKING MACHINES

MARK	CFM
MITRE SAW	550
CHOP SAW	550
BAND SAW	550
BENCH ROUTER	350
TABLE SAW	550
FLOOR SWEEP	350
BENCH SANDER	350

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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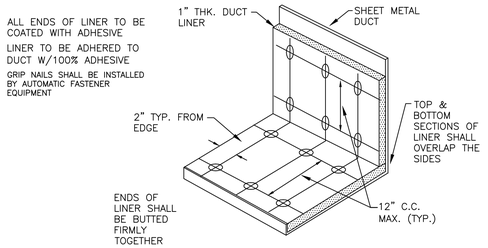
DATE 10.19.26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
HENRY C. EYRE, III
REG. NO. 33333
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL ENGINEER

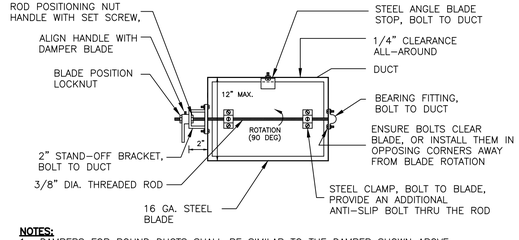
REVISIONS

MECHANICAL SCHEDULES

SHEET No. M302

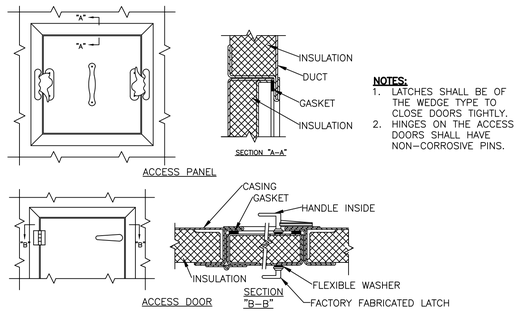


1 NTS DETAIL – DUCT LINER INSTALLATION



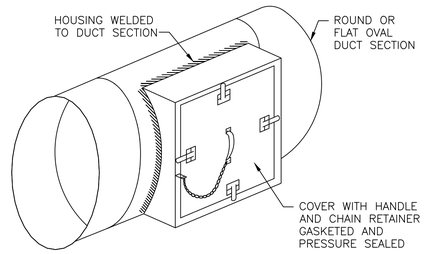
NOTES:
1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE.
2. ENSURE THAT FULL 90° DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY–FABRICATED OPPOSED BLADE DAMPERS

2 NTS DETAIL – MANUAL VOLUME DAMPER, TYPICAL



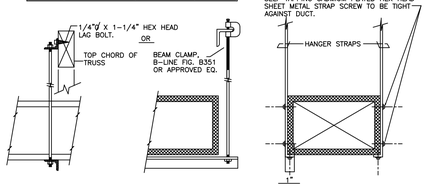
NOTES:
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON–CORROSIVE PINS.

3 NTS DETAIL – DUCT ACCESS DOOR, TYPICAL



4 NTS DETAIL – ACCESS SECTION FOR ROUND DUCT

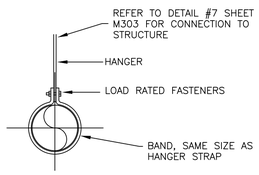
HANGER SUPPORT SCHEDULE			
MAX. SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"X18" GAGE STRIP	1½X1½X1/8"	10'–0"
36"	1/4" ROUND ROD	2"X2"X1/8"	8'–0"
48"	1/4" ROUND ROD	2"X2"X1/8"	8'–0"
60"	5/16" ROUND ROD	2"X2"X1/8"	8'–0"
84"	3/8" ROUND ROD	2"X2"X1/8"	8'–0"



NOTES:
1. REFER TO ARCH DRAWINGS FOR EXACT STRUCTURE OF BUILDING.
2. REFER TO SPECS FOR INSULATION TYPE

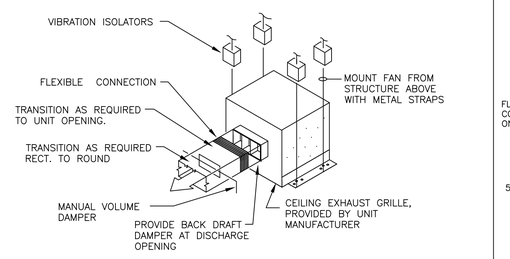
5 NTS DETAIL – RECTANGULAR DUCT SUPPORTS

MINIMUM HANGERS SIZES FOR ROUND DUCT			
DIA.	MIN. SPACING	ROD	STRAP
10" DN	12'0"	1/4"	1"x22 GA.
11"–18"	12'0"	1/4"	1"x22 GA.
19"–24"	12'0"	1/4"	1"x22 GA.
25"–36"	25"–36"	1/4"	1"x20 GA.
37"–50"	12'0"	TWO (2) 3/8"	TWO (2) 1"X18 GA.
51"–60"	12'0"	TWO (2) 3/8"	TWO (2) 1"X18 GA.



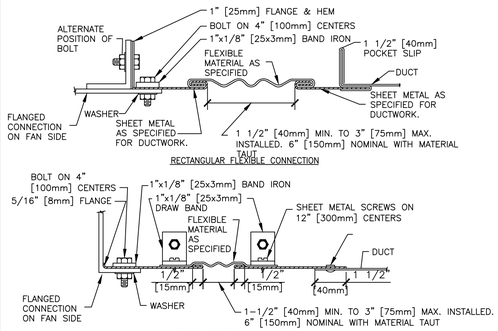
NOTES:
1. REFER TO ARCH DRAWINGS FOR STRUCTURE OF BUILDING.

6 NTS DETAIL – ROUND DUCT SUPPORTS

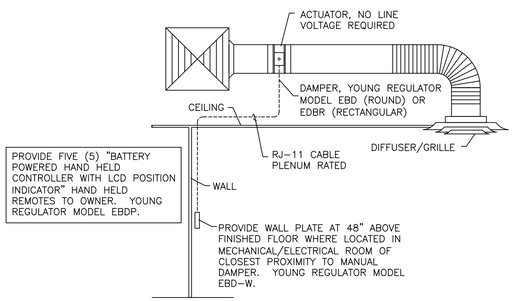


NOTES:
1. ALL CABINET TYPE FANS TO COME WITH FACTORY INSTALLED ALUMINUM GRILLE. COLOR OF GRILLE TO BE WHITE.
2. MECHANICAL CONTRACTOR TO PROVIDE FACTORY MOUNTED SPEED CONTROLLER FOR AIR BALANCING AT EVERY CABINET TYPE EXHAUST FAN.

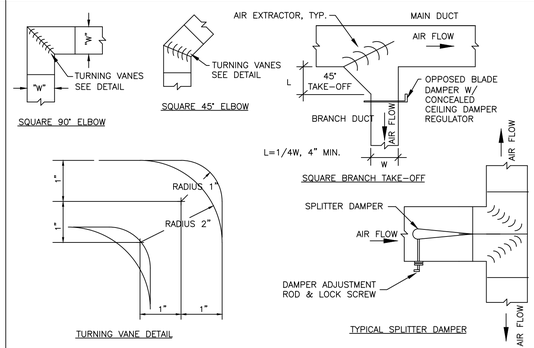
7 NTS DETAIL – CABINET TYPE EXHAUST FAN, TYPICAL



8 NTS



9 NTS DETAIL – REMOTE OPERATED DAMPER, TYPICAL



10 NTS DETAIL – TYPICAL DUCT LAYOUTS

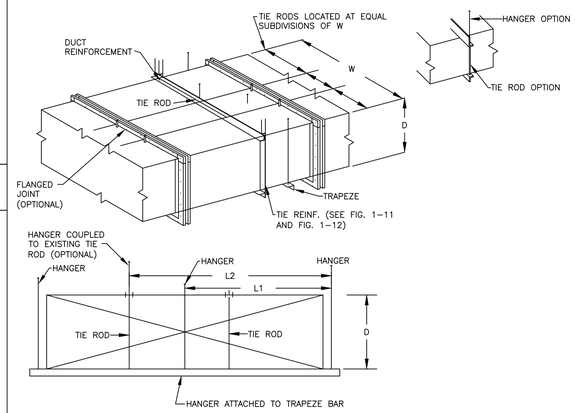
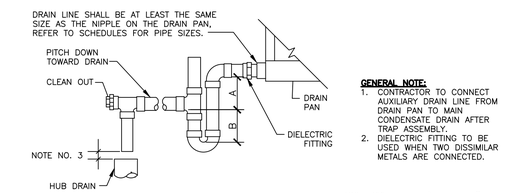


TABLE 4–1
RECTANGULAR DUCT HANGERS
MINIMUM SIZE

MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT SPACING		PAIR AT 8 FT SPACING		PAIR AT 5 FT SPACING		
	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD	STRAP	WIRE/ ROD	STRAP
P/2=30"	1" X 22 ga.	10 ga. (.135)	1" X 22 ga.	10 ga. (.135)	1" X 22 ga.	12 ga. (.135)	1" X 22 ga.
P/2=72"	1" X 18 ga.	3/8	1" X 20 ga.	1/4	1" X 22 ga.	1/4	1" X 22 ga.
P/2=96"	1" X 16 ga.	3/8	1" X 18 ga.	3/8	1" X 20 ga.	3/8	1" X 22 ga.
P/2=120"	1 1/2" X 16 ga.	1/2	1" X 16 ga.	3/8	1" X 18 ga.	3/8	1" X 20 ga.
P/2=168"	1 1/2" X 16 ga.	1/2	1 1/2" X 16 ga.	1/2	1" X 16 ga.	3/8	1" X 18 ga.
P/2=192"	NOT GIVEN	1/2	1 1/2" X 16 ga.	1/2	1" X 16 ga.	3/8	1" X 16 ga.
P/2=193" UP	SPECIAL ANALYSIS REQUIRED						

WHEN STRAPS ARE LAP JOINED USE THESE MINUMUM FASTENERS:	SINGLE HANGER MAXIMUM ALLOWABLE LOAD	
	STRAP	WIRE OR ROD (DIA.)
1" X 18,20,22 ga. –TWO #10 OR ONE 1/4' BOLT	1" X 22 ga.–260 LBS.	0.106"–80 LBS.
1" X 16 ga. –TWO 1/4" DIA.	1" X 20 ga.–1320 LBS.	0.135"–120 LBS.
1 1/2" X 16 ga. –TWO 3/8" DIA.	1" X 18 ga.–420 LBS.	0.162"–160 LBS.
PLACE FASTENERS IN SERIES, NOT SIDE BY SIDE	1" X 16 ga.–700 LBS.	1/4"–270 LBS.
	1 1/2" X 16 ga.–1100 LBS.	3/8"–680 LBS.
		1/2"–1250 LBS.
		5/8"–200 LBS.
		3/4"–3000 LBS.

10 NTS DETAIL – LARGE DUCT SUPPORTS, TYPICAL



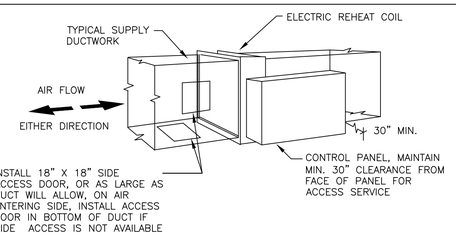
NOTES:
1. REFER TO SCHEDULES FOR SIZE OF CONDENSATE PIPE.
2. DIELECTRIC FITTING TO BE USED WHEN TWO DISSIMILAR METALS ARE TO BE CONNECTED.
3. TWICE THE PIPE DIAMETER, 2" MIN. GAP

GENERAL NOTE:
1. CONTRACTOR TO CONNECT AUXILIARY DRAIN LINE FROM DRAIN PAN TO MAIN CONDENSATE DRAIN AFTER TRAP ASSEMBLY.
2. DIELECTRIC FITTING TO BE USED WHEN TWO DISSIMILAR METALS ARE CONNECTED.

UNIT TYPE	A	B
DRAW THRU	2" [50mm] PLUS X	X
BLOW THRU	1" [25mm] MINIMUM	2X

WHERE X = STATIC PRESSURE IN PAN

11 NTS DETAIL – CONDENSATE DRAIN TRAP



NOTES:
1. FLANGED TYPE COIL SHOWN, INSTALLATION SIMILAR FOR SLIP IN TYPE COIL.
2. CONTRACTOR TO PROVIDE ELECTRIC DUCT HEATER IN DUCT, REFER TO DRAWINGS FOR EXACT LOCATION. MAINTAIN MINIMUM 2'–0" STRAIGHT DUCT RUN FROM 90° ELBOW (ELBOW TO BE EQUIPPED WITH TURNING VANES) BEFORE INSTALLATION OF ELECTRIC DUCT HEATER.

12 NTS DETAIL – ELECTRIC DUCT HEATER INSTALLATION

13 NTS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

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HENRY C. EYRE, III
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SHEET No. M401

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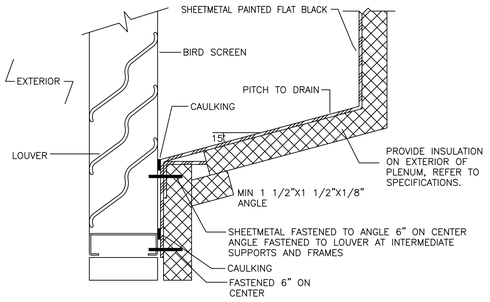
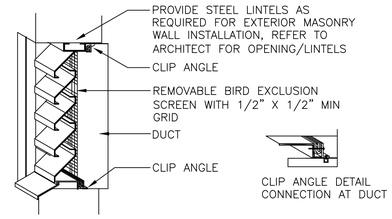
PRINTED: 10-13-2026



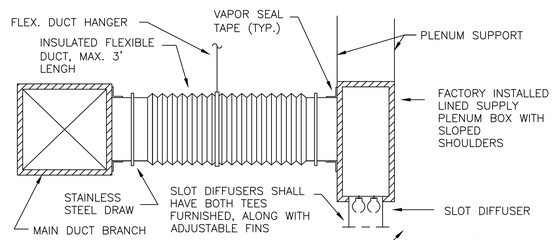
NOTES:
1. SUPPORT PLENUM FROM FLOOR OR STRUCTURE ABOVE W/ GALVANIZED STEEL ANGLES AND CHANNELS.

1 NTS — DETAIL – PLENUM AT LOUVER CONNECTION



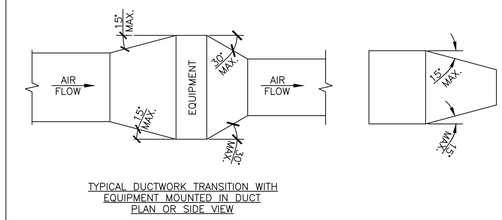
NOTES:
1. OVERALL SIZE OF OPENING SHOULD BE 1/4" GREATER IN BOTH DIRECTIONS THAN EXTERNAL DIMENSIONS OF LOUVER. VERIFY WITH MANUFACTURER OF ACTUAL LOUVER SUPPLIED TO PROJECT.
2. USE MULLION CONNECTED SECTIONS FOR WIDTHS GREATER THAN 5'-0".
3. CAULK AND SEAL AROUND PERIMETER OF LOUVER SECTION AT WALL.
4. PROVIDE ALUMINUM EXPANDED BIRD EXCLUSION SCREEN ON INSIDE OF LOUVER. (MIN FREE AREA 80% OF GROSS AREA) ATTACH TO OUTSIDE IF BLADE SEPARATION IS > 2 1/2".
5. CONSTRUCT EXTRUDED LOUVER OF NON-FERROUS CORROSION RESISTANT MATERIAL AND SECURE WITH STAINLESS STEEL FASTENERS
6. PROVIDE BACKER ROD & 100% CLEAR MARINE GRADE SILICONE TO SEAL LOUVER.

2 NTS — DETAIL – EXTERIOR LOUVER, TYPICAL



NOTES:
1. NO SPIN COLLARS ALLOWED.
2. 3'-0" FLEX MAX., NO EXCEPTION.
3. ALL EXPOSED DUCT SHALL BE DOUBLE WALL.
4. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE PAINTED, REFER TO ARCHITECT FOR COLOR SELECTION.

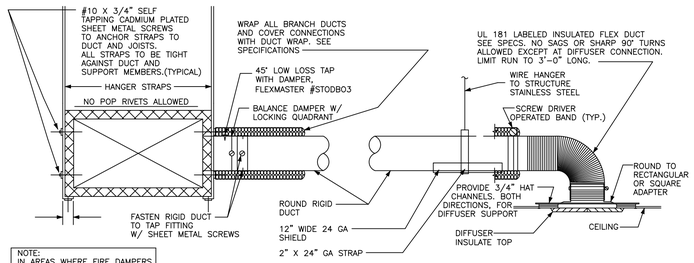
3 NTS — DETAIL – BRANCH TO LINEAR DIFFUSER, TYPICAL



TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT PLAN OR SIDE VIEW

NOTE:
1. UNLESS OTHERWISE SPECIFIED ON DRAWINGS, MAXIMUM ANGLES SHOWN SHALL APPLY.

4 NTS — DETAIL – DUCTWORK TRANSITION TO EQUIPMENT



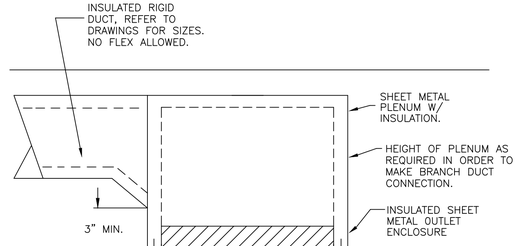
NOTE:
IN AREAS WHERE FIRE DAMPERS ARE REQUIRED PROVIDE DEEP ROUND TO RECTANGULAR OR SQUARE ADAPTER AND BUILD GYPSUM BOARD ENCLOSURE.

NOTE:
PROVIDE SUPPORT ON ALL BRANCH DUCT RUNOUTS. MINIMUM OF TWO SUPPORTS ON BRANCH DUCTS OVER 6'-0" IN LENGTHS.

*ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS IN METALLIC AND NONMETALLIC DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS– METAL AND FLEXIBLE AND NAIMA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC–PLUS–EMBEDDED–FABRIC SYSTEMS, LIQUID SEALANTS OR TAPES. CLOSURE SYSTEMS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED '181A–P' FOR PRESSURE–SENSITIVE TAPE, '181A–M' FOR MASTIC OR '181 A–H' FOR HEAT–SENSITIVE TAPE. CLOSURE SYSTEMS USED TO SEAL FLEXIBLE AIR DUCTS AND FLEXIBLE AIR CONNECTORS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED '181B–FX' FOR PRESSURE–SENSITIVE TAPE OR '181B–M' FOR MASTIC. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. MECHANICAL FASTENERS FOR USE WITH FLEXIBLE NONMETALLIC AIR DUCTS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED '181B–C'. CLOSURE SYSTEMS USED TO SEAL METAL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. UNLISTED DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY DUCT.

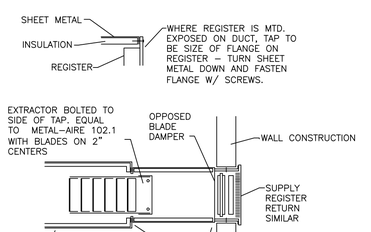
NOTES:
1. NO SPIN COLLARS ALLOWED.
2. 3'–0" FLEX MAX., NO EXCEPTION.
3. ALL EXPOSED DUCT SHALL BE DOUBLE WALL.
4. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE PAINTED, REFER TO ARCHITECT FOR COLOR SELECTION.

5 NTS — DETAIL – TYPICAL BRANCH TO DIFFUSER



GENERAL NOTES:
1. RETURN AIR AND OUTSIDE DUCT CONNECTIONS SIMILAR.
2. CONNECTION ON TOP SIMILAR.

6 NTS — DETAIL – PLENUM ON REAR OF RETURN AIR GRILLE



7 NTS — DETAIL – SIDEWALL GRILLE, TYPICAL

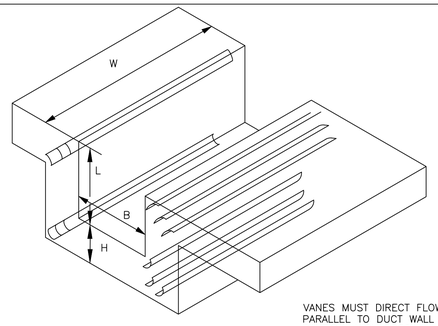


FIG. D

VANES MUST DIRECT FLOW PARALLEL TO DUCT WALL CAUTION: HIGH LOSS COEFFICIENTS

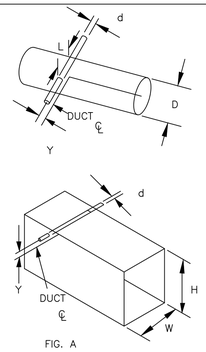


FIG. A

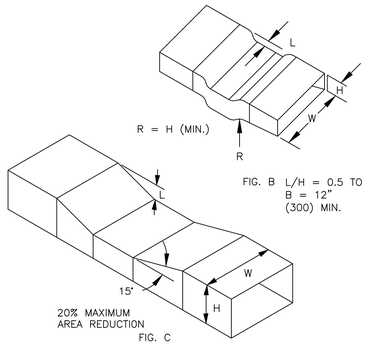
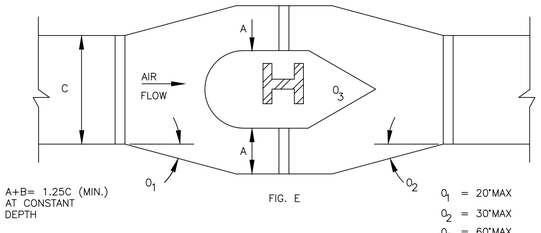


FIG. B L/H = 0.5 TO 2
B = 12" (300) MIN.

20% MAXIMUM AREA REDUCTION

FIG. C



A+B= 1.25C (MIN.) AT CONSTANT DEPTH

FIG. E

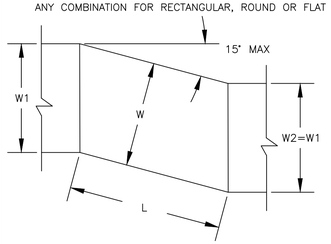
O_1 = 20°MAX
O_2 = 30°MAX
O_3 = 60°MAX

(USED WHEN OBSTRUCTION EXCEEDS 20% OF SECTION AREA AND OFFSETS AROUND ARE NOT POSSIBLE

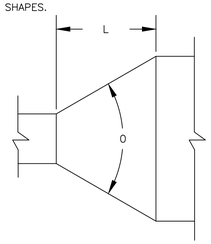
FIG. A IS APPLICABLE FOR UP TO 20% AREA OBSTRUCTION WITH ROUND SHAPED MEMBER AND 10%% WITH FLAT PROFILE. Y IS THE DISTANCE FROM DUCT CENTER.

8 NTS — DETAIL – DUCTWORK TRANSITIONS FOR OBSTRUCTIONS

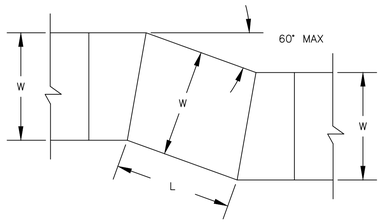
OFFSETS 2 AND 3 AND TRANSITIONS MAY HAVE EQUAL OR UNEQUAL INLET AND OUTLET AREAS. TRANSITIONS MAY CONVERT DUCT PROFILES TO ANY COMBINATION FOR RECTANGULAR, ROUND OR FLAT OVAL SHAPES.



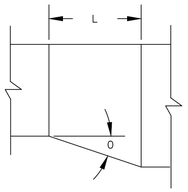
OFFSET TYPE 1 (ANGLED)



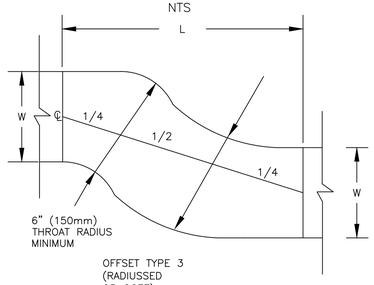
CONCENTRIC TRANSITION
0 MAX. 45 DIVERGING, 60° CONVERGING



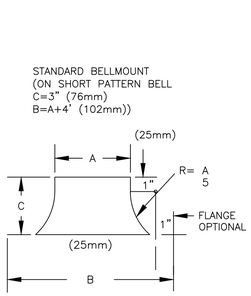
OFFSET TYPE 2 (MITERED)



ECCENTRIC TRANSITION
0 MAX. 30
(EXCEPT 45° IS PERMITTED AT ROUND TO FLAT OVAL



OFFSET TYPE 3 (RADIUSSED OR OGEE)



9 NTS — DETAIL – DUCTWORK OFFSETS & TRANSITIONS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
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TANGIPAHOA PARISH SCHOOL SYSTEM

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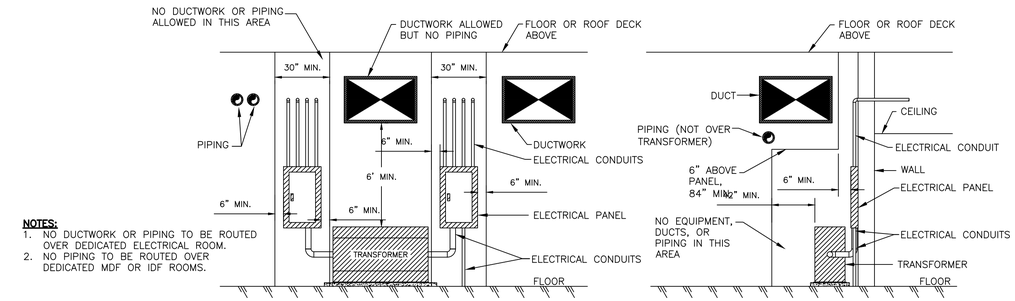
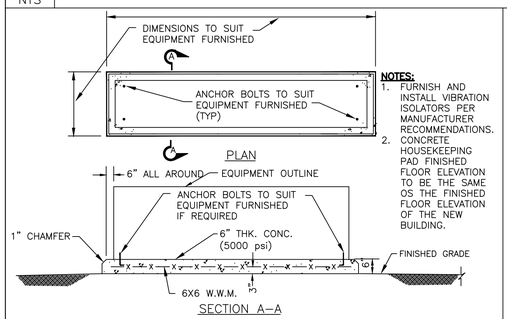
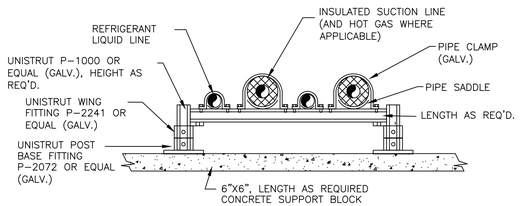


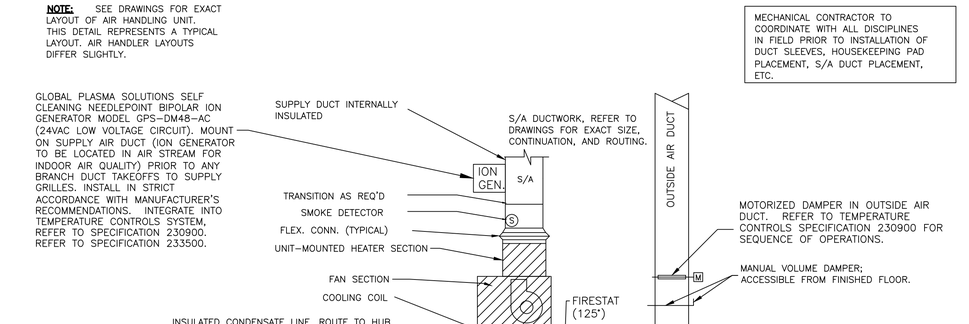
1 NTS DETAIL – ELECTRICAL EQUIPMENT COORDINATION WITH FOREIGN SYSTEMS PER NEC



2 NTS DETAIL – CONCRETE HOUSEKEEPING PAD, TYP.

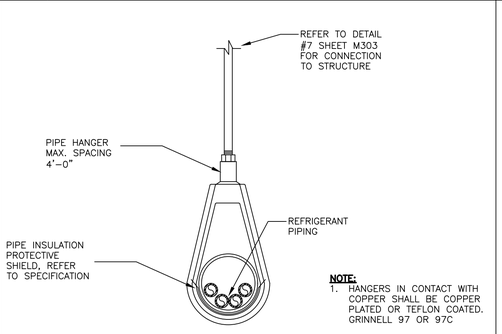


3 NTS DETAIL – GROUND REFRIGERANT PIPE SUPPORTS

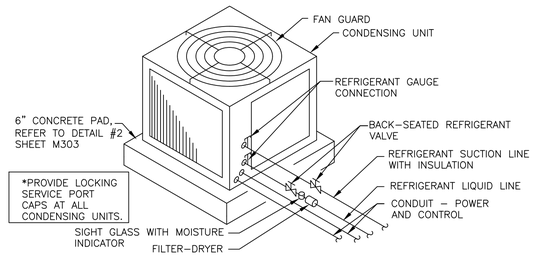


4 NTS DETAIL – AIR HANDLING UNIT INSTALLATION, TYPICAL

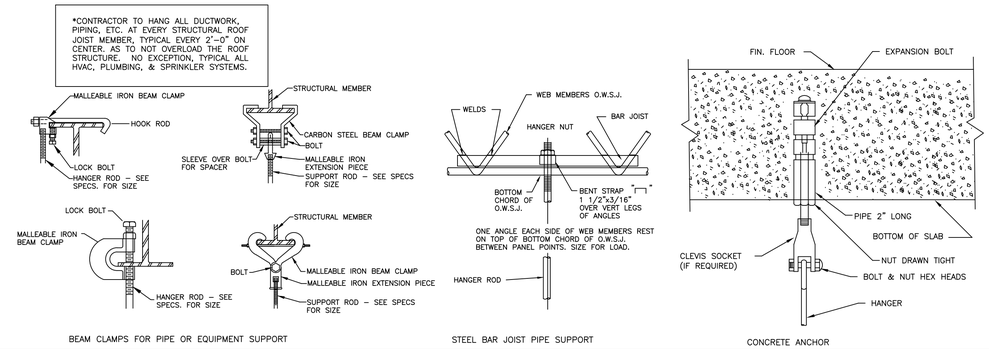
GENERAL NOTES:
1. PROVIDE MOTORIZED DAMPERS IN OUTSIDE AIR. REFER TO CONTROLS SPECIFICATIONS ON EXACT OPERATION OF MOTORIZED DAMPERS.
2. SMOKE DAMPER IN SUPPLY & RETURN REQUIRED ONLY IF CFM OF AIR HANDLING UNIT EXCEEDS 15,000 CFM.
3. SMOKE DETECTOR IN R/A SIDE OF UNIT REQUIRED ONLY IF CFM OF AIR HANDLING UNIT EXCEEDS 2,000. SMOKE DETECTOR IN S/A SIDE OF UNIT REQUIRED ONLY IF CFM OF AIR HANDLING UNIT EXCEEDS 2,000. REFER TO SCHEDULES FOR CFM OF AIR HANDLING UNIT.
4. MECHANICAL CONTRACTOR TO COORDINATE WITH ALL DISCIPLINES IN FIELD PRIOR TO INSTALLATION OF DUCT SLEEVES, HOUSEKEEPING PAD PLACEMENT, S/A DUCT PLACEMENT, ETC.
5. MECHANICAL CONTRACTOR TO COORDINATE WITH PLUMBING CONTRACTOR ON EXACT LOCATION OF ALL FLOOR/HUB SINK/DRAINS PRIOR TO PROJECT GROUND BREAKING AS NOT TO CONFLICT WITH MECHANICAL EQUIPMENT. FLOOR/HUB SINK/DRAIN LOCATION BASED ON EQUIPMENT ON DRAWINGS. IF DIFFERENT EQUIPMENT IS USED ON JOB PLUMBING CONTRACTOR SHALL COORDINATE NEW FLOOR SINK/DRAIN LOCATION AS NOT TO CONFLICT WITH NEW EQUIPMENT. PROVIDE SHEET METAL ENCLOSURE ALL AROUND FLOOR SINK/DRAIN WITHIN MECHANICAL ROOMS USED AS RETURN AIR PLENUM WITH TOP REMOVABLE ACCESS COVER.
6. INTERCONNECT SMOKE DETECTORS WITH FIRE ALARM. UNIT TO DE–ENERGIZE WHEN SMOKE IS DETECTED.



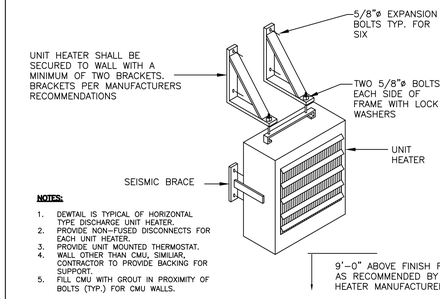
5 NTS DETAIL – REFRIGERANT PIPE SUPPORTS, TYP.



6 NTS DETAIL – CONDENSING UNIT, TYPICAL



7 NTS DETAIL – SUPPORTS/ANCHOR CONNECTIONS



8 NTS DETAIL – ELECTRIC UNIT HEATER, TYPICAL

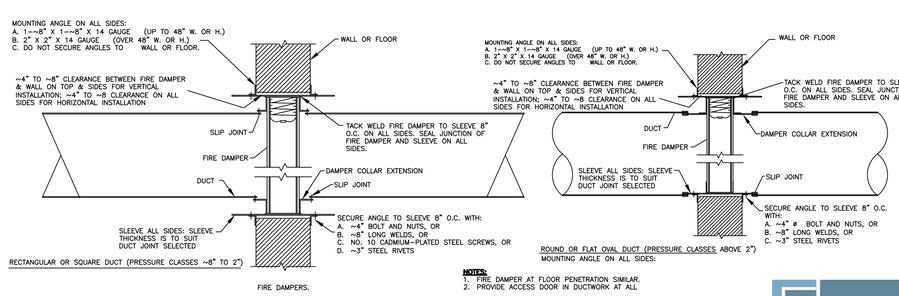
DUCT CONSTRUCTION MINIMUM SHEET METAL THICKNESSES

RECTANGULAR DUCTS		
MAXIMUM SIZE (INCHES)	STEEL (MINIMUM THICKNESS, NOMINAL)	ALUMINUM (MINIMUM THICKNESS, NOMINAL)
THROUGH 12	0.022 INCH (26 GAGE, GALV.)	0.020 INCH (NO. 24 B&S GAGE)
13 THROUGH 30	0.028 INCH (24 GAGE, GALV.)	0.025 INCH (NO. 22 B&S GAGE)
31 THROUGH 54	0.034 INCH (22 GAGE, GALV.)	0.032 INCH (NO. 20 B&S GAGE)
55 THROUGH 84	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (NO. 18 B&S GAGE)
OVER 84	0.052 INCH (18 GAGE, GALV.)	0.051 INCH (NO. 16 B&S GAGE)

ROUND DUCTS			
MAXIMUM SIZE (INCHES)	SPIRAL SEAM DUCT STEEL (MINIMUM THICKNESS, NOMINAL)	LONGITUDINAL SEAM DUCT STEEL (MINIMUM THICKNESS, NOMINAL)	FITTINGS STEEL (MINIMUM THICKNESS, NOMINAL)
THROUGH 12	0.019 INCH (28 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)
13 THROUGH 18	0.022 INCH (26 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)
19 THROUGH 28	0.028 INCH (24 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)
29 THROUGH 36	0.034 INCH (22 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)
37 THROUGH 52	0.040 INCH (20 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)

*WHERE THE ABOVE THICKNESS ARE IN CONFLICT WITH SMACNA, THE MOST STRICT THICKNESS SHALL APPLY.

9 NTS DETAIL – DUCT SHEET METAL GAUGES, TYPICAL



10 NTS DETAIL – FIRE DAMPER INSTALLATION, RECTANGULAR & ROUND DUCT

EYRE ENGINEERING
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LOUISIANA ENGINEERING FIRM #30804
HENRY C. EYRE III, PE LA#33333
PRINTED: 10-13-2026

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD
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HENRY C. EYRE, III
REG. NO. 33333
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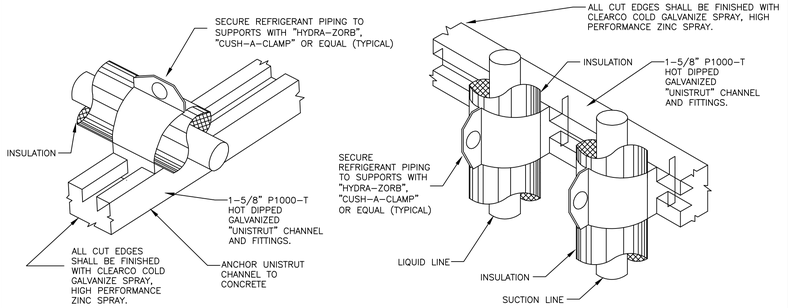
MECHANICAL ENGINEER

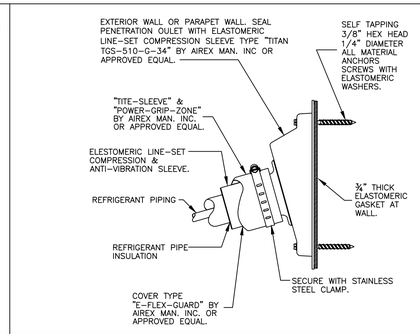
REVISIONS

SHEET No. M403

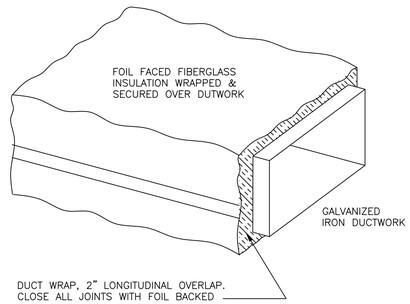
MECHANICAL DETAILS



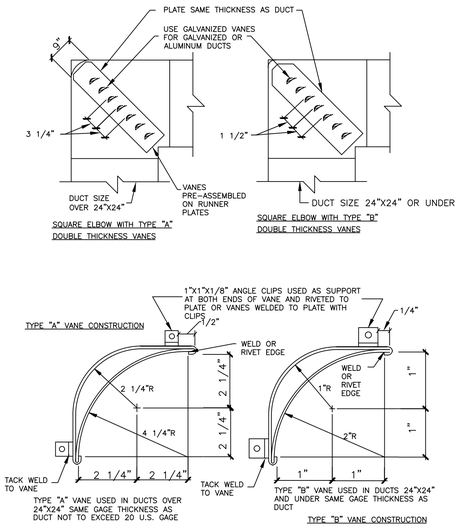
1 NTS DETAIL – REFRIGERANT PIPE WALL SUPPORTS, TYP.



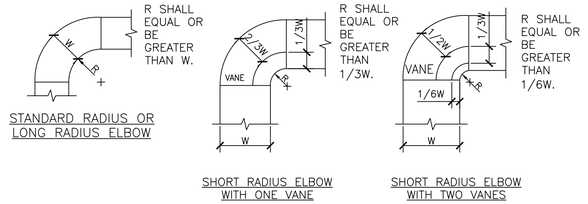
8 NTS DETAIL – REFRIGERANT PIPE WALL PENETRATION



2 NTS DETAIL – EXTERNAL DUCT INSULATION, TYPICAL

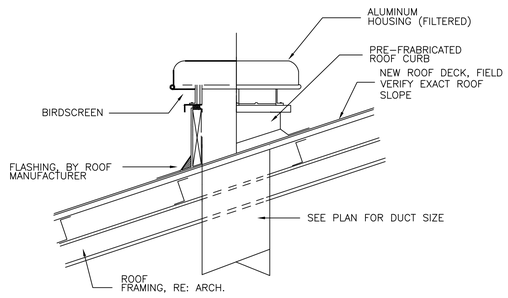


3 NTS DETAIL – TURNING VANES, TYPICAL.



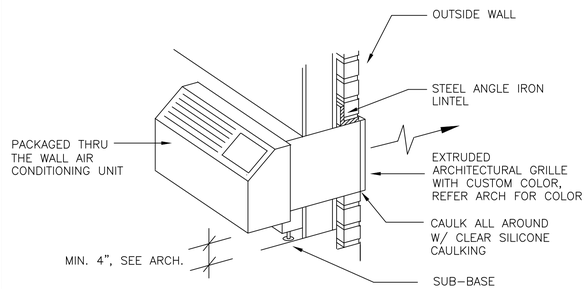
NOTES:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

4 NTS DETAIL – RADIUS DUCT ELBOWS, TYPICAL



1. HOOD TO BE GREENHECK MODEL FGR/FGI OR APPROVED EQUAL.
2. ROOF HOOD AND ROOF CURB TO BE FACTORY PREFINISHED, COLOR SELECTION TO BE BY ARCHITECT.

5 NTS DETAIL – ROOF HOOD, TYPICAL

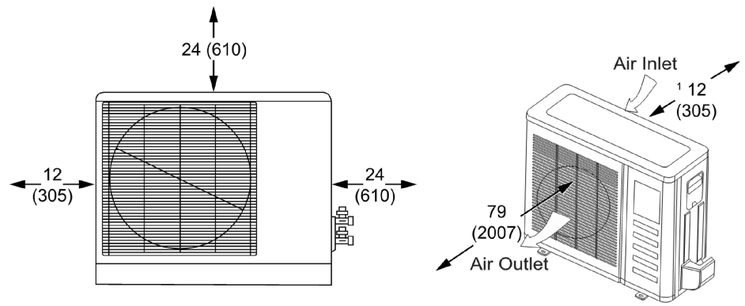


NOTE:
1. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF WALL CONSTRUCTION AND FRAMING REQUIREMENTS.

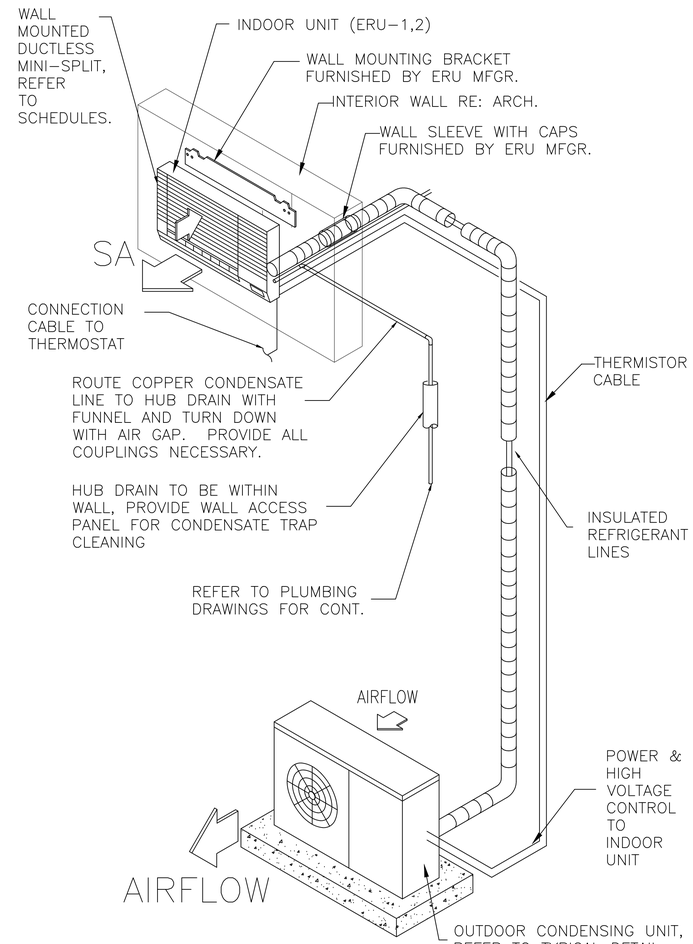
GENERAL NOTES:
1. ELECTRICAL SUB-BASE TO COME WITH JUNCTION BOX AND MANUFACTURER PROVIDED DISCONNECT AND PTAC SHALL BE SUPPLIED WITH ELECTRICAL WHIP. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
2. PROVIDE GALVANIZED INSULATED WALL SLEEVE, COORDINATE LENGTH WITH ARCHITECTURAL DOCUMENTS PRIOR TO ORDERING.

6 NTS DETAIL – PTAC UNIT INSTALLATION, TYPICAL

DETAIL – HEAT PUMP INSTALLATION CLEARANCES (TYPICAL OF ECU-1,2)



[1] Minimum rear clearance can be 6 inches (152 mm) when mounted on brackets and with no obstructions on the other three sides.



7 NTS DETAIL – DUCTLESS MINI-SPLIT INSTALLATION, TYPICAL

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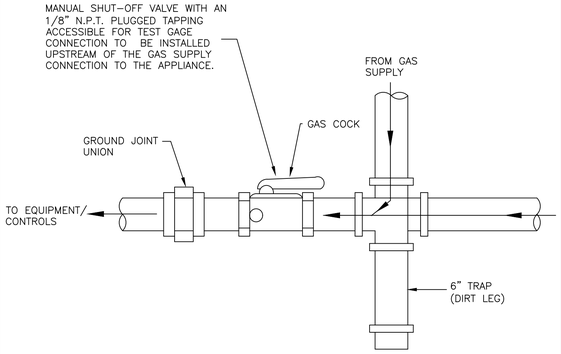
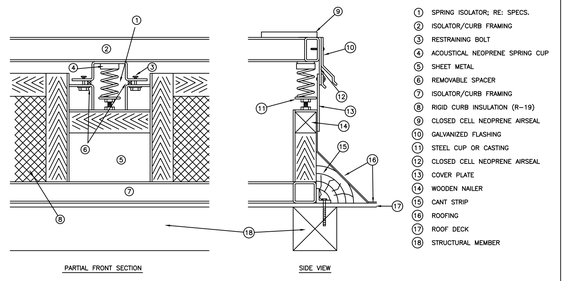
MECHANICAL DETAILS



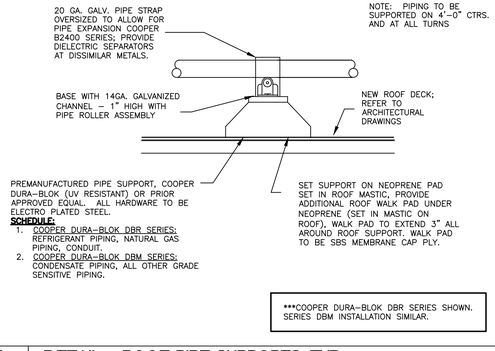
1 DETAIL - GAS CONNECTION TO EQUIPMENT

NTS



2 DETAIL - ROOFTOP AC VIBRATION ISOLATION CURB, TYPICAL

NTS

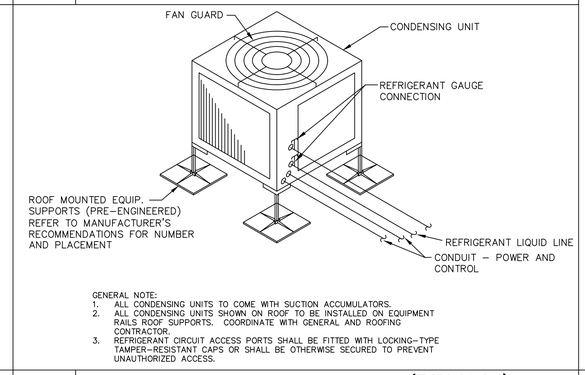


SCHEDULE:
1. COOPER DURA-BLOK DBR SERIES: REFRIGERANT PIPING, NATURAL GAS PIPING, CONDUIT.
2. COOPER DURA-BLOK DBM SERIES: CONDENSATE PIPING, ALL OTHER GRADE SENSITIVE PIPING.

***COOPER DURA-BLOK DBR SERIES SHOWN. SERIES DBM INSTALLATION SIMILAR.

3 DETAIL - ROOF PIPE SUPPORTS, TYP.

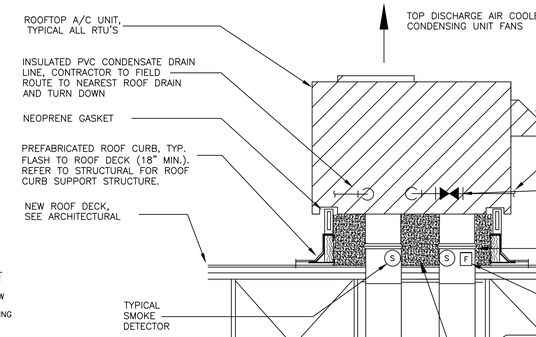
NTS



GENERAL NOTE:
1. ALL CONDENSING UNITS TO COME WITH SUCTION ACCUMULATORS.
2. ALL CONDENSING UNITS SHOWN ON ROOF TO BE INSTALLED ON EQUIPMENT RAILS ROOF SUPPORTS. COORDINATE WITH GENERAL AND ROOFING CONTRACTOR.
3. REFRIGERANT CIRCUIT ACCESS PORTS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS OR SHALL BE OTHERWISE SECURED TO PREVENT UNAUTHORIZED ACCESS.

4 DETAIL - ROOFTOP CONDENSING UNIT (ECU-1,2,3,4)

NTS

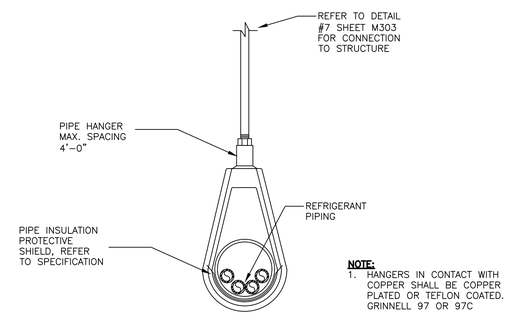


GENERAL NOTES:
1. ANCHOR SUPPORT SHEET METAL DUCT FROM JOISTS AND STRUCTURE ABOVE.
2. ALL EXPOSED MECHANICAL DUCT SHALL BE PAINTED, REFER TO ARCHITECT FOR COLOR SELECTION.
3. THIS SETUP TYPICAL OF ALL DOWNFLOW ROOFTOP UNITS.
4. REFER TO DRAWINGS FOR EXACT ROUTING OF ALL DUCTWORK.
5. PROVIDE INTERGRAL DISCONNECT SWITCHES.
6. PROVIDE P-TRAPS AT ALL ROOFTOP UNITS.

NOTES:
1. PROVIDE MOTORIZED DAMPERS IN OUTSIDE AIR HOOD
2. SMOKE DAMPER REQUIRED ON S/A & R/A ONLY IF CFM OF AIR HANDLING UNIT EXCEEDS 15,000 CFM.
   2.1. SMOKE DETECTOR IN R/A SIDE OF UNIT REQUIRED ONLY IF CFM OF AIR HANDLING UNIT EXCEEDS 2,000.
   2.2. SMOKE DETECTOR IN S/A SIDE OF UNIT REQUIRED ONLY IF CFM OF AIR HANDLING UNIT EXCEEDS 2,000.
   2.3. PROVIDE FIRESTAT IN R/A SIDE OF UNIT.
   2.4. REFER TO SCHEDULES FOR CFM OF AIR HANDLING UNIT.
3. REFER TO SCHEDULES FOR CFM OF PACKAGED UNIT.
4. CONTRACTOR TO COORDINATE WITH SUBS AS TO ENSURE A COMPLETE AND WORKING SYSTEM.
5. MECHANICAL CONTRACTOR TO COORDINATE WITH ALL DISCIPLINES IN FIELD PRIOR TO INSTALLATION OF DUCT SLEEVES, HOUSEKEEKPING PAD PLACEMENT, S/A DUCT PLACEMENT, ETC.
6. MECHANICAL CONTRACTOR TO COORDINATE WITH PLUMBING CONTRACTOR ON EXACT LOCATION OF ALL DRAINS PRIOR TO PROJECT GROUND BREAKING AS NOT TO CONFLICT WITH MECHANICAL EQUIPMENT. DRAIN LOCATION BASED ON EQUIPMENT ON DRAWINGS. IF DIFFERENT EQUIPMENT IS USED ON JOB PLUMBING CONTRACTOR SHALL COORDINATE NEW DRAIN LOCATION AS NOT TO CONFLICT WITH NEW EQUIPMENT.
7. PROVIDE INTEGRAL DISCONNECT SWITCHES
8. INTERCONNECT SMOKE DETECTORS WITH FIRE ALARM (IF APPLICABLE).
9. COORDINATE EXACT UNIT LOCATION WITH STRUCTURE (MECHANICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR FRAMING OUT ROOFING STRUCTURE SYSTEM & PROVIDE STRUCTURAL STEEL AS REQUIRED FOR EQUIPMENT SUPPORT).

5 DETAIL - ROOFTOP UNIT INSTALLATION, TYPICAL

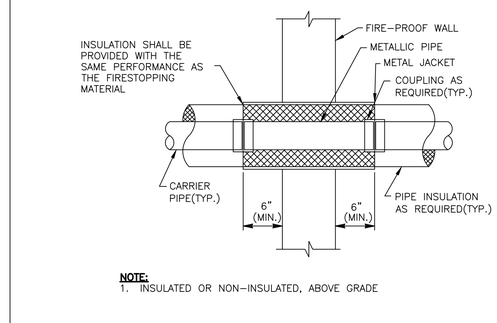
NTS



NOTE:
1. HANGERS IN CONTACT WITH COPPER SHALL BE COPPER PLATED OR TEFLON COATED. GRINNELL 97 OR 97C

6 DETAIL - REFRIGERANT PIPE SUPPORTS, TYPICAL

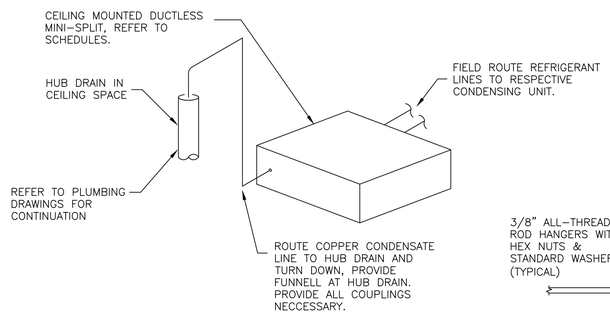
NTS

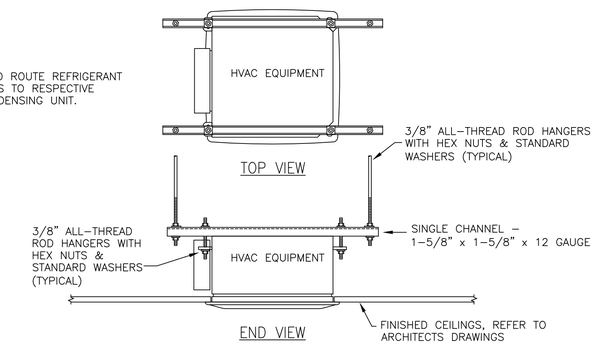


NOTE:
1. INSULATED OR NON-INSULATED, ABOVE GRADE

7 DETAIL - PIPE FIREWALL PENETRATION, TYPICAL

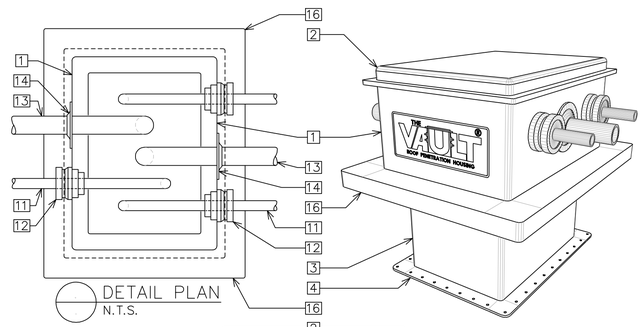
NTS

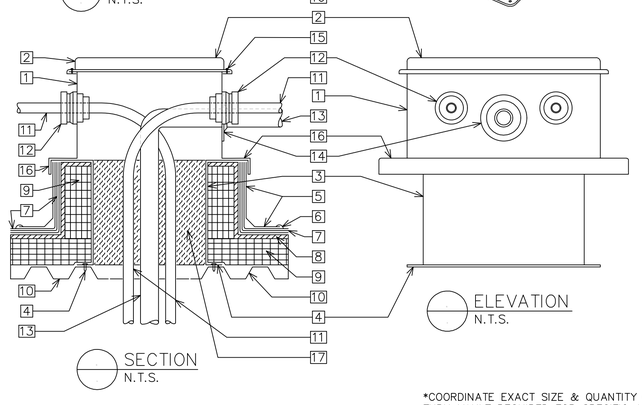




8 DETAIL - CEILING CASSETTE INSTALLATION

NTS





THE VAULT® AWI Models

ROOF PENETRATION HOUSING W/ICE

LEGEND
1. THE VAULT
2. MATCHING WIND RATED ALUMINUM COVER
3. MATCHING ALUMINUM CURB 18" HIGH MIN. CURB MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. CURB FLANGE, FASTEN TO ROOF DECK
5. SBS FLASHING MEMBRANE
6. CONTINUOUS CAULK WITH RUBBERIZED ASPHALT SEALANT
7. ROOFING SYSTEM (EXISTING OR NEW; REFER TO ARCH.)
8. RECOVERY BOARD
9. RIGID INSULATION
10. METAL ROOF DECK (EXISTING OR NEW; REFER TO ARCH)
11. CONDUIT, PIPE, REFRIGERANT LINE, ETC. SIZES FROM 0.25" THRU 1.90" O.D.
12. SERIES 5000 EXIT SEAL FOR SIZES FROM 0.25" THRU 1.90" O.D.
13. CONDUIT, PIPE, REFRIGERANT LINE, ETC. SIZES FROM 1.90" THRU 15" O.D.
14. SERIES 6000 & 7000 EXIT SEAL FOR SIZES FROM 1.90" THRU 15" O.D.
15. VANDAL RESISTANT STAINLESS SCREWS
16. ICE INSULATED CURB EXTENSION
17. CURB VOID TO BE INSULATED BY OTHERS TO MATCH R-RATING OF ROOF ASSEMBLY

CONTACT RPH AT 1-800-994-0945

ALL VAULT® ICE (AWI) MODELS COMPLY WITH ICC 2015 SECTION C402.1 – BUILDING ENVELOPE ROOF INSULATION INTEGRITY AND AIR LEAKAGE AND FEMA/ICC-500

CONTRACTOR IS RESPONSIBLE TO PROVIDE VAULT AND APPROPRIATE TRADES TO PROVIDE EXIT SEALS.

*COORDINATE EXACT SIZE & QUANTITY OF PENETRATIONS THRU VAULT REQUIRED FOR SPECIFIC APPLICATIONS PRIOR TO ORDERING.

9 DETAIL - "THE VAULT" ROOF PENETRATION HOUSING

NTS

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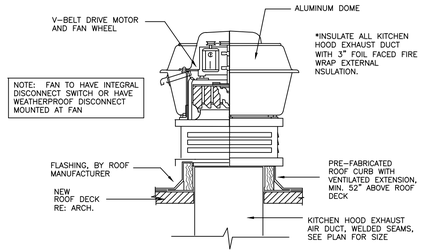
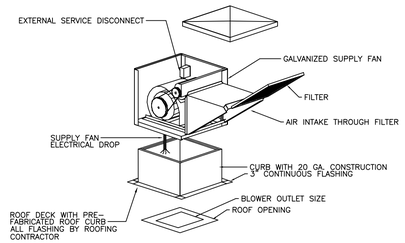


GENERAL NOTE:

1. PROVIDE HINGE KIT FOR KITCHEN EXHAUST FAN.
2. PROVIDE VENTED CURB EXTENSION.

1 DETAIL - UPBLAST EXHAUST FAN, KEF-1,2

NTS

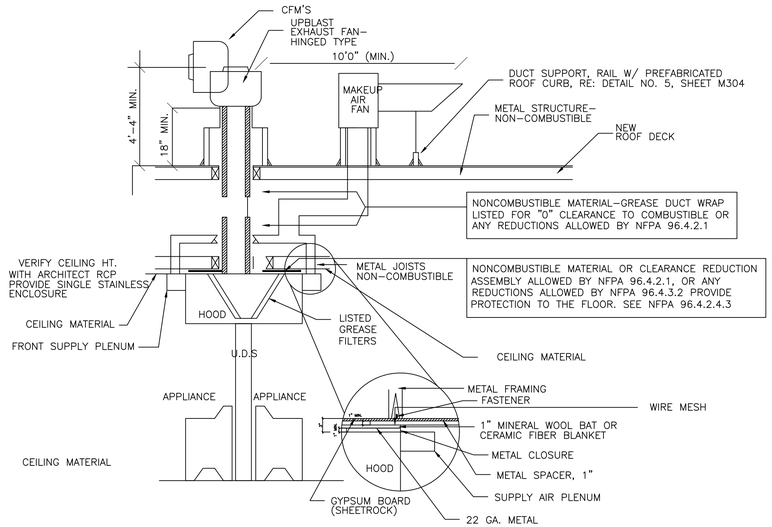


NOTES:

1. PROVIDE LOCAL POWER DISCONNECT FOR SERVICING UNIT
2. PROVIDE BIRD AND DEBRIS SCREEN INTERNAL TO HOUSING

2 DETAIL - KITCHEN HOOD SUPPLY FAN, KSF-1

NTS

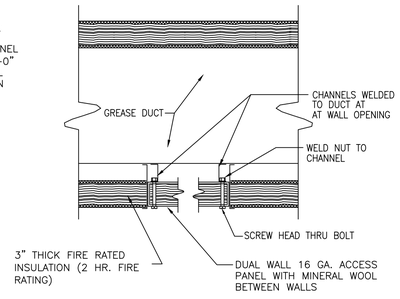


ISLAND INSTALLATION, TYPICAL

EXHAUST DUCT VELOCITY CALC. KEF-1	EXHAUST DUCT VELOCITY CALC. KEF-2
EXHAUST DUCT VELOCITY CALC.	EXHAUST DUCT VELOCITY CALC.
VELOCITY = CFM / SQ. FEET CFM = 3,850 DUCT SIZE = 26x14 SQ. FEET = 2.52 VELOCITY = 1526.6 FT/ MIN.	VELOCITY = CFM / SQ. FEET CFM = 3,850 DUCT SIZE = 26x14 SQ. FEET = 2.52 VELOCITY = 1526.6 FT/ MIN.
EXHAUST DUCT VELOCITY CALC.	EXHAUST DUCT VELOCITY CALC.
VELOCITY = CFM / SQ. FEET CFM = 1,950 DUCT SIZE = 18x10 SQ. FEET = 1.25 VELOCITY = 1560 FT/ MIN.	VELOCITY = CFM / SQ. FEET CFM = 1,950 DUCT SIZE = 18x10 SQ. FEET = 1.25 VELOCITY = 1560 FT/ MIN.

GENERAL NOTES:

1. PROVIDE ACCESS PANEL EVERY 10'-0" AND AT ALL CHANGES IN DIRECTION.



3 DETAIL - GREASE DUCT ACCESS PANEL

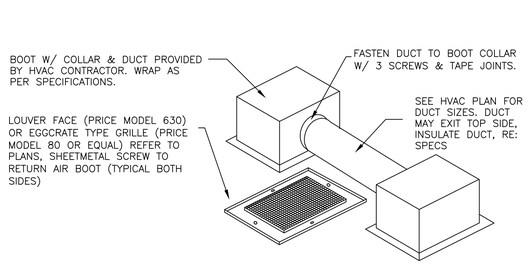
NTS

4 DETAIL - NOT USED

NTS

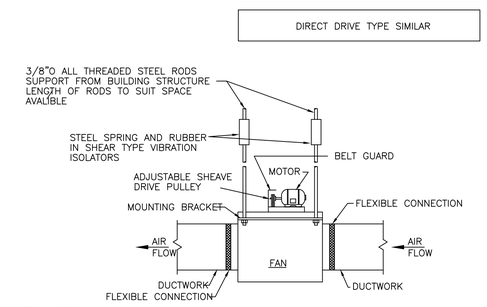
5 DETAIL - TYPICAL HOOD + DUCT INSTALLATION W/ CLEARANCE REDUCTION MATERIALS

NTS



6 DETAIL - AIR TRANSFER ASSEMBLY, TYPICAL

NTS

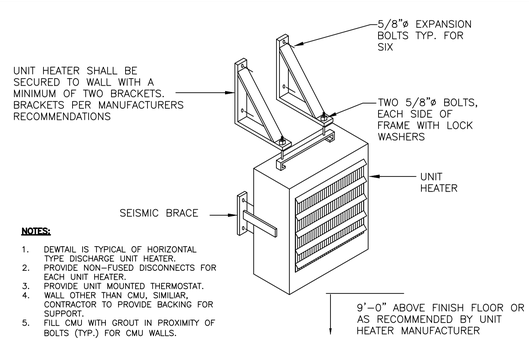


GENERAL NOTE:

1. PROVIDE FACTORY MOUNTED SPEED CONTROLLER FOR ALL DIRECT DRIVE FANS.
2. SUPPLY FAN TO COME WITH FILTER RACK.

7 DETAIL - INLINE EXHAUST FAN, TYPICAL

NTS



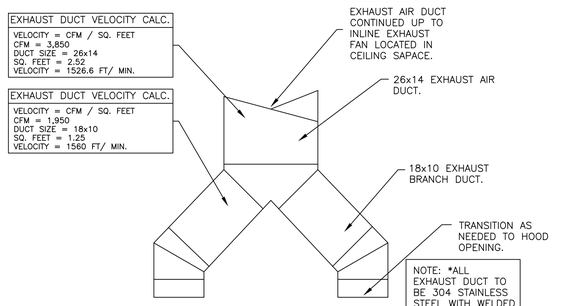
NOTES:

1. DEWTAIL IS TYPICAL OF HORIZONTAL TYPE DISCHARGE UNIT HEATER.
2. PROVIDE NON-FUSED DISCONNECTS FOR EACH UNIT HEATER.
3. PROVIDE UNIT MOUNTED THERMOSTAT.
4. WALL OTHER THAN CMU, SIMILAR, CONTRACTOR TO PROVIDE BACKING FOR SUPPORT.
5. FILL CMU WITH GROUT IN PROXIMITY OF BOLTS (TYP.) FOR CMU WALLS.

9 DETAIL - ELECTRIC UNIT HEATER, TYPICAL

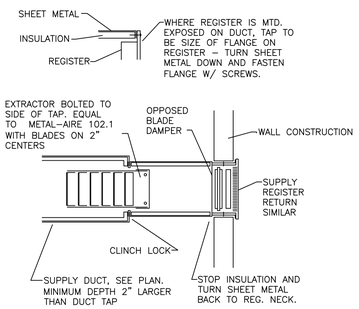
NTS

EXHAUST DUCT VELOCITY CALC.
VELOCITY = CFM / SQ. FEET CFM = 3,850 DUCT SIZE = 26x14 SQ. FEET = 2.52 VELOCITY = 1526.6 FT/ MIN.
EXHAUST DUCT VELOCITY CALC.
VELOCITY = CFM / SQ. FEET CFM = 1,950 DUCT SIZE = 18x10 SQ. FEET = 1.25 VELOCITY = 1560 FT/ MIN.



10 DETAIL - KITCHEN HOOD EXHAUST DUCT

NTS



11 DETAIL - SIDEWALL GRILLE, TYPICAL

NTS

12 DETAIL - NOT USED

NTS

13 DETAIL - NOT USED

NTS

14 DETAIL - NOT USED

NTS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE REPRODUCED, PUBLISHED, OR USED IN ANY WAY WITHOUT THE PERMISSION OF THE ARCHITECT.

DATE 10.19.26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA
HENRY C. EYRE, III
REG. NO. 33333
PROFESSIONAL ENGINEER
MECHANICAL ENGINEERING

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MECHANICAL DETAILS

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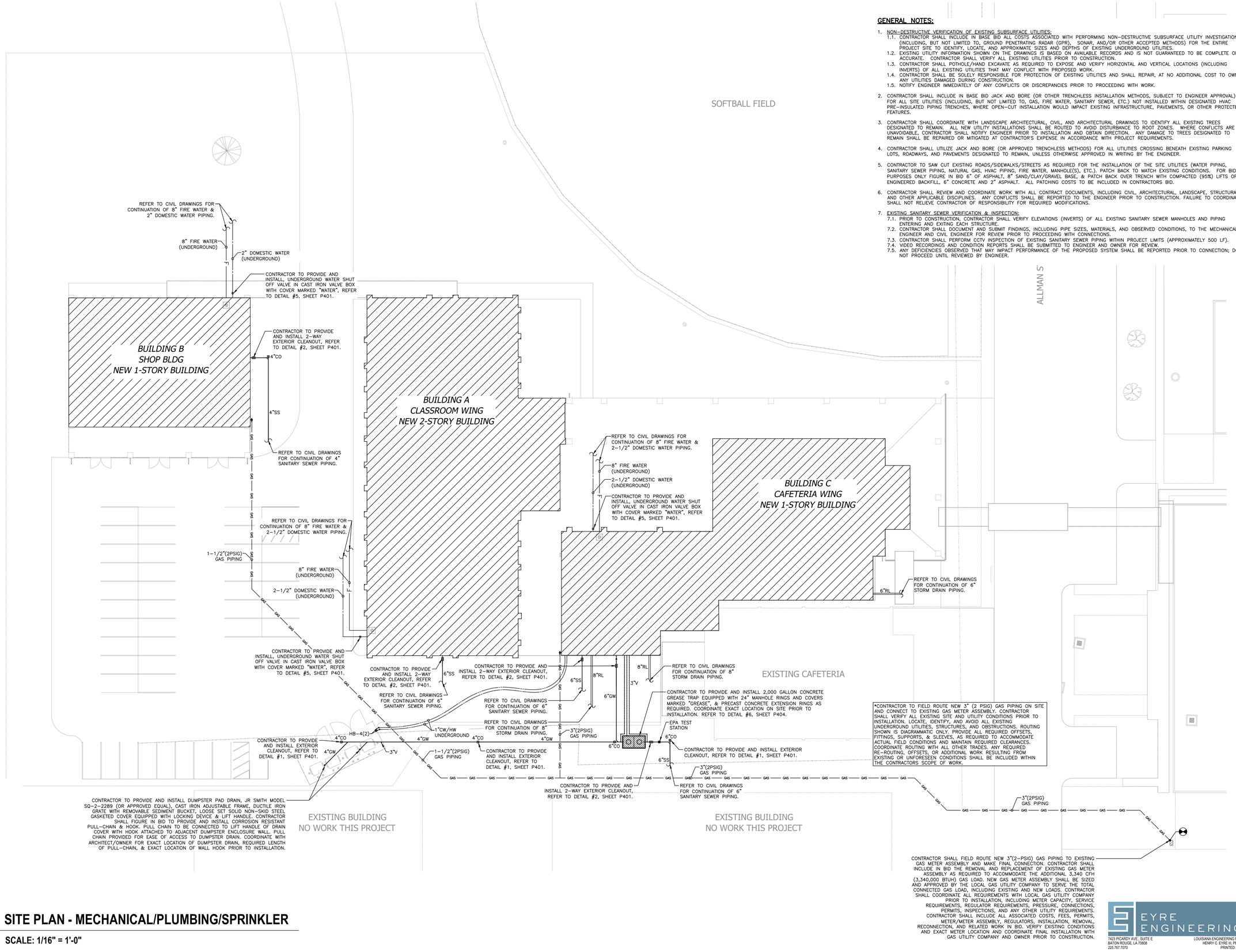

GENERAL NOTES:

1. NON-DESTRUCTIVE VERIFICATION OF EXISTING SUBSURFACE UTILITIES:
   - 1.1. CONTRACTOR SHALL INCLUDE IN BASE BID ALL COSTS ASSOCIATED WITH PERFORMING NON-DESTRUCTIVE SUBSURFACE UTILITY INVESTIGATION (INCLUDING, BUT NOT LIMITED TO, GROUND PENETRATING RADAR (GPR), SONAR, AND/OR OTHER ACCEPTED METHODS) FOR THE ENTIRE PROJECT SITE TO IDENTIFY, LOCATE, AND APPROXIMATE SIZES AND DEPTHS OF EXISTING UNDERGROUND UTILITIES.
   - 1.2. EXISTING UTILITY INFORMATION SHOWN ON THE DRAWINGS IS BASED ON AVAILABLE RECORDS AND IS NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
   - 1.3. CONTRACTOR SHALL POTHOLE/HAND EXCAVATE AS REQUIRED TO EXPOSE AND VERIFY HORIZONTAL AND VERTICAL LOCATIONS (INCLUDING INVERTS) OF ALL EXISTING UTILITIES THAT MAY CONFLICT WITH PROPOSED WORK.
   - 1.4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES AND SHALL REPAIR, AT NO ADDITIONAL COST TO OWNER, ANY UTILITIES DAMAGED DURING CONSTRUCTION.
   - 1.5. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.
2. CONTRACTOR SHALL INCLUDE IN BASE BID JACK AND BORE (OR OTHER TRENCHLESS INSTALLATION METHODS, SUBJECT TO ENGINEER APPROVAL) FOR ALL SITE UTILITIES (INCLUDING, BUT NOT LIMITED TO, GAS, FIRE WATER, SANITARY SEWER, ETC.) NOT INSTALLED WITHIN DESIGNATED HVAC PRE-INSULATED PIPING TRENCHES, WHERE OPEN-CUT INSTALLATION WOULD IMPACT EXISTING INFRASTRUCTURE, PAVEMENTS, OR OTHER PROTECTED FEATURES.
3. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECTURAL, CIVIL, AND ARCHITECTURAL DRAWINGS TO IDENTIFY ALL EXISTING TREES DESIGNATED TO REMAIN. ALL NEW UTILITY INSTALLATIONS SHALL BE ROUTED TO AVOID DISTURBANCE TO ROOT ZONES. WHERE CONFLICTS ARE UNAVOIDABLE, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO INSTALLATION AND OBTAIN DIRECTION. ANY DAMAGE TO TREES DESIGNATED TO REMAIN SHALL BE REPAIRED OR MITIGATED AT CONTRACTOR'S EXPENSE IN ACCORDANCE WITH PROJECT REQUIREMENTS.
4. CONTRACTOR SHALL UTILIZE JACK AND BORE (OR APPROVED TRENCHLESS METHODS) FOR ALL UTILITIES CROSSING BENEATH EXISTING PARKING LOTS, ROADWAYS, AND PAVEMENTS DESIGNATED TO REMAIN, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER.
5. CONTRACTOR TO SAW CUT EXISTING ROADS/SIDEWALKS/STREETS AS REQUIRED FOR THE INSTALLATION OF THE SITE UTILITIES (WATER PIPING, SANITARY SEWER PIPING, NATURAL GAS, HVAC PIPING, FIRE WATER, MANHOLE(S), ETC.). PATCH BACK TO MATCH EXISTING CONDITIONS. FOR BIDDING PURPOSES ONLY FIGURE IN BID 6" OF ASPHALT, 8" SAND/CLAY/GRAVEL BASE, & PATCH BACK OVER TRENCH WITH COMPACTED (95%) LIFTS OF CL ENGINEERED BACKFILL, 6" CONCRETE AND 2" ASPHALT. ALL PATCHING COSTS TO BE INCLUDED IN CONTRACTORS BID.
6. CONTRACTOR SHALL REVIEW AND COORDINATE WORK WITH ALL CONTRACT DOCUMENTS, INCLUDING CIVIL, ARCHITECTURAL, LANDSCAPE, STRUCTURAL, AND OTHER APPLICABLE DISCIPLINES. ANY CONFLICTS SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. FAILURE TO COORDINATE SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR REQUIRED MODIFICATIONS.
7. EXISTING SANITARY SEWER VERIFICATION & INSPECTION:
   - 7.1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ELEVATIONS (INVERTS) OF ALL EXISTING SANITARY SEWER MANHOLES AND PIPING ENTERING AND EXITING EACH STRUCTURE.
   - 7.2. CONTRACTOR SHALL DOCUMENT AND SUBMIT FINDINGS, INCLUDING PIPE SIZES, MATERIALS, AND OBSERVED CONDITIONS, TO THE MECHANICAL ENGINEER AND CIVIL ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH CONNECTIONS.
   - 7.3. CONTRACTOR SHALL PERFORM CCTV INSPECTION OF EXISTING SANITARY SEWER PIPING WITHIN PROJECT LIMITS (APPROXIMATELY 500 LF).
   - 7.4. VIDEO RECORDINGS AND CONDITION REPORTS SHALL BE SUBMITTED TO ENGINEER AND OWNER FOR REVIEW.
   - 7.5. ANY DEFICIENCIES OBSERVED THAT MAY IMPACT PERFORMANCE OF THE PROPOSED SYSTEM SHALL BE REPORTED PRIOR TO CONNECTION; DO NOT PROCEED UNTIL REVIEWED BY ENGINEER.

1 SITE PLAN - MECHANICAL/PLUMBING/SPRINKLER

SCALE: 1/16" = 1'-0"

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PROJECT No. 2412

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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

SHEET No. MP101

SITE PLAN - MECHANICAL/PLUMBING/SPRINKLER

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PLUMBING LEGEND

NOTE: ALL SYMBOLS IN THIS LEGEND ARE NOT NECESSARILY FOUND ON THE PLANS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
D	FLOOR DRAIN W/TRAP	DS	DOWN SPOUT
HD	HUB DRAIN W/TRAP	VTR	VENT THRU ROOF
SH.D	SHOWER DRAIN W/TRAP		WALL HYDRANT/HOSE BIBB
	CATCH DRAIN	C.O.	FLOOR CLEAN OUT
BST	BASKET TYPE STRAINER	C.O.	WALL CLEAN OUT
FM	FLOW METER		SANITARY DRAIN ABOVE FLOOR OR GRADE SANITARY DRAIN UNDERGROUND
	SHUT-OFF VALVE OPERATION SYMBOL		VENT PIPING ABOVE FLOOR OR GRADE VENT PIPING UNDERGROUND
	BALANCING VALVE OPERATION SYMBOL	SD	STORM PIPING ABOVE FLOOR OR GRADE STORM PIPING UNDERGROUND
	BUTTERFLY, W/SHUT-OFF VALVE OPERATION	RL	PRIMARY ROOF DRAIN LINE
	GATE VALVE	ORL	SECONDARY ROOF DRAIN LINE
	GLOBE, W/MOTORIZED VALVE OPERATION		COLD WATER LINE
	PLUG, W/BALANCING VALVE OPERATION		HOT WATER LINE
	BALL, W/SHUT-OFF VALVE OPERATION		HOT WATER RETURN LINE
	CHECK VALVE	F	FIRE WATER LINE
	CONNECTION TO EXISTING SERVICES	FDC	FIRE DEPARTMENT CONNECTION LINE
B.O.P.	BOTTOM OF PIPE	GW	GREASE WASTE PIPING
	SHUTOFF VALVE	OW	OIL WASTE PIPING
	SHUTOFF VALVE IN VALVE BOX		CAP
P	WASTE OR VENT RISER		PIPING ELBOW – UP
	TEE DOWN PIPING		PIPING ELBOW – DOWN
	TEE		TEE UP PIPING

PLUMBING SYSTEM NOTES:

1. ALL POTABLE WATER SYSTEMS SHALL USE LEAD FREE PIPING, SOLDER, AND FLUX.
2. SUPPLY SYSTEMS SHALL USE DIELECTRIC ADAPTERS WHERE PIPES OF DISSIMILAR METALS ARE BEING CONNECTED.
3. THE POTABLE WATER SYSTEM SHALL BE PROPERLY DISINFECTED IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE (CURRENT EDITION).
4. ALL PIPING PENETRATING THE PLANE OF THE ROOF SHALL BE INSULATED WITH MINIMUM ONE-INCH THICK CONTINUOUS INSULATION FROM THE UNDERSIDE OF THE ROOF DECK, ALONG ALL LATERALS, TO 6 INCHES BELOW THE LAST ABOVE-CEILING VERTICAL ELBOW JOINT.
5. ALL VERTICAL PIPING PENETRATING THE ROOF SHALL BE BRACED HIGH AND LOW TO THE STRUCTURE TO PREVENT MOVEMENT THAT WOULD JEOPARDIZE THE INTEGRITY OF THE ROOF FLASHING.
6. ALL HORIZONTAL PIPING ON THE ROOF SHALL BE SUPPORTED IN METHODS, MANNERS, AND AT SPACINGS APPROVED BY BOTH THE PIPE MANUFACTURER AND THE ROOF MANUFACTURER; SUPPORTS SHALL BE DESIGNED FOR UNBINDING SLIPPAGE OR WITH NON-CORRODING ROLLERS TO ALLOW FOR THERMAL MOVEMENT OF THE PIPING WITHOUT JEOPARDIZING THE ROOF SYSTEM.
7. ALL DOMESTIC WATER, SANITARY, VENT, AND FIRE PROTECTION PIPING SHALL BE SLEEVED THROUGH WALLS; SLEEVES SHALL BE SIZED TO ALLOW PASSAGE OF THE PIPE AND ITS FULL INSULATION THICKNESS PLUS ANNULAR SPACE FOR INSTALLATION OF FIRE STOP AND/OR SEALANT AS REQUIRED.
8. COORDINATE PROVISION FOR PROTECTING PIPING BENEATH ALL HANDICAP LAVATORIES REQUIRED AND IDENTIFIED WITH TOILET ACCESSORIES.
9. ALL CEILING-MOUNTED SPRINKLER HEADS SHALL BE LOCATED IN THE CENTERS OF ALL LAY-IN CEILING TILES.
10. THE CONTRACTOR SHALL COORDINATE ROUGHIN LOCATIONS WITH APPROVED TOILET PARTITION SHOP DRAWINGS. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT PLACEMENT.
11. NEATLY INSTALL WHITE MILDEW-RESISTANT SILICONE SEALANT AROUND THE PERIPHERY OF ALL PLUMBING FIXTURES IN CONTACT WITH THE FLOOR.

COORDINATION DRAWINGS:

THE CONTRACTOR SHALL SUBMIT TO ARCHITECT, AS SOON AS FEASABLE AFTER AWARD OF CONTRACT, ENTIRE FACILITY SYSTEM LAYOUTS AT A SCALE NOT LESS THAN 3/16"=1'-0" SHOWING THE LAYOUT OF THE ACTUAL EQUIPMENT, PIPING, MATERIAL, ETC. TO BE USED AND ALL NECESSARY CLEARANCES. THESE DRAWINGS SHALL BE COMPREHENSIVE OF ALL TRADES AS TO ELIMINATE CONFLICTS. THE CONTRACTOR WILL BE RESPONSIBLE TO VERIFY ALL ACCESS FOR MAINTENANCE AS REQUIRED BY THE MANUFACTURER. COORDINATION DRAWING TO BE REVIEWED BY ARCHITECT/ENGINEER PRIOR TO THE INSTALLATION OF ANY & ALL MECHANICAL EQUIPMENT. CONTRACTOR TO COORDINATE THE PRELIMINARY SPRINKLER PLAN, DUCTWORK SHOP DRAWINGS, PIPING SYSTEMS, PLUMBING SYSTEMS & STEEL SHOP DRAWINGS (STRUCTURAL) PRIOR TO SUBMITTING TO DESIGN TEAM. CONTRACTOR TO INCLUDE ALL REQUIRED OFFSETS IN PLUMBING, PIPING & DUCTWORK IN BID. NO ADDITIONAL COST WILL BE PROVIDED TO CONTRACTOR FOR FAILURE TO COORDINATE & RELOCATE ALL PIPING & DUCTWORK WITH STEEL. ALL SHOP DRAWINGS ARE TO INCLUDE SECTION CUTS OF ALL BUILDING AREAS FOR COORDINATION PURPOSES.

GENERAL NOTES:

1. ALL AUTOMATIC TRAP PRIMERS SHALL BE ASSE 1018 COMPLIANT.
2. ALL WATER HAMMER ARRESTORS SHALL BE ASSE 1010 COMPLIANT.
3. ALL LAVATORIES SHALL HAVE INDIVIDUAL WATER TEMPERING VALVES TO LIMIT THE TEMPERATURE DELIVERED TO THE LAVATORY. TEMPERING VALVES SHALL BE ASSE 1070 COMPLIANT.
4. PROVIDE CLEANOUT ON ALL 4" & 6" PIPING EVERY 75'. ALL PIPING 3" & SMALLER TO HAVE CLEANOUTS NO GREATER THAN 50' APART.
5. REQUIRED WATER HEATER SAFETY DEVICES:
   a. ANTI-SIPHON DEVICE: PROVIDE VACUUM BREAKER AT INCOMING COLD WATER LINE TO WATER HEATERS (VACUUM BREAKER TO BE ANSI Z21.22 COMPLIANT).
   b. ALL WATER HEATERS TO HAVE THERMOSTATIC MIXING VALVES.
   c. ALL WATER HEATERS TO HAVE TEMPERATURE & PRESSURE RELIEF VALVES.
   d. ALL WATER HEATERS SHALL HAVE INTERNAL CUTOFF DEVICES TO CUT THE ENERGY SOURCE TO THE WATER HEATER.

GENERAL PLUMBING NOTES:

1. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION". AIA DOCUMENT A201, AND THIS SPECIFICATION AS APPLICABLE ARE PART OF THIS CONTRACT.
2. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATIONS SHALL BE CORRECTED BY THE CONTRACTOR.
3. INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM THE MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF THE DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
4. ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS, AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING TO AVOID OBSTRUCTIONS.
5. SUPPORT NEW PIPING FROM BUILDING STRUCTURE AND OR FRAMING IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL FRAMING.
6. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
7. SEAL ALL OPENINGS AROUND PIPES THROUGH PARTITIONS AND WALLS WITH APPROVED FIRESTOPPING MATERIAL MEETING ASTM E814 AND NFPA-101.
8. KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
9. FURNISH SHOP DRAWINGS OF ALL EQUIPMENT BEING PROVIDED. SUBMIT TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION.
10. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THE PLUMBING EQUIPMENT AND FIXTURES AS SHOWN OR DETAILED BY THE CONTRACT DOCUMENTS FOR THIS PROJECT. WHERE SPACE OR SPARE DEVICES ARE SHOWN, CONTRACTOR SHALL PROVIDE.
11. PLUMBING CONTRACTOR SHALL PROVIDE PERMANENT LAMINATED LABELS FOR ALL EQUIPMENT THIS PROJECT (I.E. EACH HOT WATER HEATER, PUMP, EXPANSION TANK, MIXING VALVE, ETC.). LABELING SHALL BE A MINIMUM OF 3/8" ENGRAVED BLACK LETTERS ON WHITE BACKGROUND. LABELS SHALL BE CONSTRUCTED OF MINIMUM 1" WIDE BY LENGTH AS REQUIRED LAMINATED PLASTIC SECURELY FASTENED TO DEVICE WITH STAINLESS STEEL HARDWARE. PRESSURE SENSITIVE "STICK ON" LABELS SHALL NOT BE ALLOWED.
12. PROVIDE ALL NECESSARY FLASHING AND COUNTERFLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THIS BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF PIPES, DUCTS, CONDUIT AND EQUIPMENT.
13. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE (MOST CURRENT ADDITION) & INTERNATIONAL PLUMBING CODE (CURRENT EDITION).
14. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED AND IN A MANNER SATISFACTORY TO THE OWNER.
15. UNLESS OTHERWISE SPECIFIED, THE GENERAL CONTRACTOR (GC) SHALL BE RESPONSIBLE FOR ALL PAINTING, CUTTING AND PATCHING OF EXISTING FLOORS, WALLS AND PARTITIONS IN THE EXISTING BUILDING. THE GC SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION THAT IS ACCEPTABLE TO THE ARCHITECT.
16. ACCESS TILE IDENTIFICATION: PROVIDE BUTTONS, TABS AND MARKERS TO IDENTIFY LOCATION OF CONCEALED VALVES AND EQUIPMENT. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED.
17. SUBMISSION OF A BID SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION & COORDINATION.
18. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF ALL EXISTING SERVICES (WATER LINES, SEWER LINES, FIRE WATER LINES, GAS LINES, ELECTRICAL, ETC.) PRIOR TO INSTALLATION. IF ANY CONFLICTS ARISE, CO-ORDINATE WITH ARCHITECT/ENGINEER PRIOR TO PROCEEDING.
19. ALL GRADE SENSITIVE PIPING (SEWER LINES, STORM DRAINAGE LINES, ETC.) SHALL TAKE PRECEDENCE OVER ALL OTHER INSTALLATIONS. CONTRACTOR TO CO-ORDINATE WITH ALL DISCIPLINES PRIOR AND DURING INSTALLATION.
20. PLUG OR CAP ALL PIPING. DO NOT LEAVE PIPING OPEN ENDED.
21. ALL HUB DRAINS PROVIDED FOR CONDENSATE FROM AIR HANDLING UNITS SHALL HAVE FUNNEL.
22. PLUMBING CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR ON EXACT LOCATION OF ALL FLOOR DRAINS AS NOT TO CONFLICT WITH MECHANICAL EQUIPMENT. FLOOR DRAIN LOCATION BASED ON EQUIPMENT ON DRAWINGS. IF DIFFERENT EQUIPMENT IS USED ON JOB PLUMBING CONTRACTOR SHALL COORDINATE NEW FLOOR DRAIN LOCATION AS NOT TO CONFLICT WITH NEW EQUIPMENT.
23. PLUMBING CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR ON LOCATION OF ALL RATED WALL AND FLOOR PENETRATIONS BY PIPING. PLUMBING CONTRACTOR TO PROVIDE FIRE CAULKING AROUND ALL PIPING PENETRATIONS, TYPICAL ALL WALL AND FLOOR PENETRATIONS.
24. ALL EQUIPMENT SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS SO AS TO MAINTAIN GUARANTEES. CONTRACTOR IS TO PROVIDE AND INSTALL ARE SUPPORTS AND HANGERS THAT ARE REQUIRED FOR A PROPER INSTALLATION.
25. PLUMBING PIPING RISER RUNS ARE SHOWN DIAGRAMMATICALLY. PLUMBING CONTRACTOR SHALL ROUTE IN MOST DIRECT MANNER AVOIDING ANY OBSTRUCTIONS NOT INDICATED.
26. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION BETWEEN THE ELECTRICAL AND OTHER TRADES, ESPECIALLY COORDINATION CONCERNING PENETRATIONS OF THE WALLS AND FLOORS WITH PIPE AND DUCTWORK.
27. ALL MODEL NUMBERS SHOWN FOR SPECIFIC MANUFACTURER'S REPRESENT THE TYPE AND QUALITY OF EQUIPMENT TO BE USED. SUBMIT FOR PRIOR APPROVAL ANY EQUIPMENT BEFORE BIDDING.
28. COORDINATE ALL UNDERGROUND PIPE (SEWER, WATER, ETC.) WORK WITH EXISTING UNDERGROUND WORK EG. FEEDER CIRCUITS, SEWER, GAS, TELEPHONE, WATER, DRAINAGE (ETC.) LOCATE ALL UNDERGROUND UTILITIES BEFORE WORK THIS PROJECT. MARKED UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO PLACE BACK IN ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CONSTRUCTION CONTRACT.
29. FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM SUBSTANTIAL COMPETITION, MINIMUM. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. WHERE DEFECTS OCCUR, ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF THE OTHER TRADES AFFECTED BY DEFECTS.
30. THE WORK UNDER CONTRACT INCLUDES ALL LABOR, MATERIALS, AND APPLIANCES NECESSARY FOR THE FURNISHING, INSTALLATION AND TESTING, COMPLETE AND READY FOR SAFE OPERATION OF THE SYSTEMS. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER. INCLUDE ALL COSTS FOR PERMITS, LICENSES AND CERTIFICATE FILING AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
31. PIPING AND EQUIPMENT SUPPORT SHALL COMPLY WITH REQUIREMENTS OF INTERNATIONAL GAS CODE, INTERNATIONAL PLUMBING CODE (CURRENT EDITION) UNLESS NOTED OTHERWISE.
32. GAS PIPE SIZING IS BASED ON INTERNATIONAL GAS CODE.
33. GAS PIPING HAS BEEN DESIGNED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE AND NFPA 54 – NATIONAL FUEL GAS CODE (LATEST EDITION).
34. REFER TO SPECIFICATIONS FOR GAS PIPING MATERIAL, JOINTS, AND INSTALLATION.
35. GAS PIPING INSTALLED ON THE EXTERIOR OF THE BUILDING AND ABOVE GRADE SHALL BE COVERED WITH 2 COATS OF A WATERPROOF ASPHALTIC COATING (OR EQUAL) TO PREVENT CORROSION OF THE PIPE.
36. UNDERGROUND GAS PIPING SHALL BE INSTALLED TO ALLOW PROPER MAINTENANCE AND TO PROTECT AGAINST CONTACT OR DAMAGE RESULTING FROM PROXIMITY TO OTHER STRUCTURES. UNDERGROUND PLASTIC PIPING SHALL BE INSTALLED WITH SUFFICIENT CLEARANCE FROM ANY HEAT SOURCE.
37. THE USE OF THE TERM "PROVIDE" SHALL MEAN TO "FURNISH AND INSTALL THE ASSOCIATED DEVICE OR EQUIPMENT, COMPLETE AND READY FOR THE INTENDED USE".
38. AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC (PLASTIC) PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE NONMETALLIC GAS PIPING. THE TRACER WIRE SHALL NOT BE LESS THAN 14 AWG AND SHALL BE SUITABLE FOR BURIAL.
39. JOINTS BETWEEN DIFFERENT PIPING MATERIALS SHALL BE MADE WITH APPROVED ADAPTER FITTINGS.
40. ALL UNDERGROUND PRESSURIZED PIPING SYSTEMS (DOMESTIC WATER, ETC.) SHALL BE INSTALLED A MINIMUM DEPTH OF 36 INCHES BELOW GRADE. UNLESS TIE-IN LOCATIONS REQUIRE; IN SUCH CASE COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO PROCEEDING. GAS PIPING & SITE FIRE WATER TO BE INSTALLED A MINIMUM 36" BELOW FINISHED GRADE.
41. ALL PENETRATIONS OF GAS PIPING THROUGH SLABS AND FOUNDATION WALLS SHALL BE SLEEVED WITH A PIPE SLEEVE.
42. PLUMBING CONTRACTOR SHALL COORDINATE ALL PIPE PENETRATIONS (WALL, FLOOR) WITH ALL OTHER DISCIPLINES IN FIELD PRIOR TO INSTALLATION.
43. PLUMBING CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT WITH ALL OTHER DIVISIONS. SHOULD CONFLICTS ARISE WHICH CANNOT BE CORRECTED WITH MINOR DEVIATIONS. THE CONTRACTOR SHALL CALL THESE CONFLICTS TO THE DESIGNER'S ATTENTION BEFORE PROCEEDING. ALL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND/OR MOUNTING DETAILS SHOWN WITH MODIFICATIONS OF SAME AS REQUIRED TO SUIT FINISHED CONDITIONS.
44. ALL WALL MOUNTED PLUMBING FIXTURES (HAND WASH STATIONS, WATER COOLERS, ETC.) ARE TO HAVE 2" WALL CLEAN OUT WITH CHROME PLATED COVER AS TO CLEAN SANITARY SEWER BRANCH LINE OUT WITHOUT REMOVING FIXTURE. ALL WALL CLEAN OUTS MAY NOT BE SHOWN FOR CLARITY REASONS.
45. ALL PIPING LOCATED THRU GRADE BEAMS TO BE INSULATED WITH 1" CLOSED CELLULAR FOAM AS TO BE ISOLATED FROM THE CONCRETE IN THE EVENT THE BUILDING SETTLES.
46. ALL HUB DRAINS PROVIDED FOR CONDENSATE FROM AIR HANDLING UNITS SHALL HAVE FUNNEL.
47. MAINTAIN 6" BETWEEN FLUSH VALVE, VACUUM BREAKER, CRITICAL LEVEL TAILPIECE, AND OVERFLOW RIM OF WATER CLOSETS & TOILETS.
48. VERIFICATION OF EXISTING UTILITIES: CONTRACTOR TO VERIFY DEPTH/ELEVATION/INVERTS OF ALL EXISTING SANITARY SEWER, DOMESTIC WATER, FIRE WATER, GAS, STORM DRAINAGE, ETC. PRIOR TO ANY AND ALL CONSTRUCTION. IF EXISTING PIPING IS AT AN ELEVATION THAT DOES NOT PROPERLY ALLOW FOR THE INSTALLATION OF NEW UTILITIES THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY FOR FURTHER ACTION.
49. CONTRACTOR TO PROVIDE EXTERIOR CLEANOUT (TWO-WAY) AT ALL SEWER LINES AS SEWER EXITS FROM UNDER BUILDING SLAB.
50. CONTRACTOR TO INCLUDE IN BID A COMPLETE SET OF COORDINATION DRAWINGS FOR ALL PIPING. CONTRACTOR TO PARTICIPATE WITH OTHER SUBS IN COMPILING COORDINATION DRAWINGS. COORDINATION DRAWINGS TO INCLUDE ALL ABOVE CEILING DISCIPLINES ON FLOOR PLANS AT SCALE SIMILAR TO BID DOCUMENTS.
51. GENERAL CONTRACTOR SHALL PAINT ALL PLUMBING PENETRATIONS (VENTING, FLASHING, ETC..) THROUGH ROOF. CONTRACTOR SHALL REFER TO ARCHITECT FOR COLOR SELECTIONS.
52. ALL SANITARY SEWER AND VENT PIPING SHALL BE SMOKE TESTED PRIOR TO THE CLOSER OF ANY INTERIOR WALLS.
53. ALL PIPING SHALL BE TESTED AS PER SPECIFICATIONS, AND WITNESS BY EITHER ENGINEER, ARCHITECT, OR OWNERS REPRESENTATIVE.
54. CONTRACTOR TO INCLUDE IN BID A COMPLETE SET OF COORDINATION DRAWINGS FOR ALL PIPING. CONTRACTOR TO PARTICIPATE WITH OTHER SUBS IN COMPILING COORDINATION DRAWINGS. COORDINATION DRAWINGS TO INCLUDE ALL ABOVE CEILING DISCIPLINES ON FLOOR PLANS AT SCALE SIMILAR TO BID DOCUMENTS.
55. PRELIMINARY INVERT PIPE PLAN: CONTRACTOR TO PROVIDE A DRAWING AT NO LESS THAN 1/8"=1'-0" SHOWING PROPOSED INVERTS OF ALL SUBSURFACE PIPING (SEWER, STORM DRAINAGE, ROOF DRAINAGE, DOMESTIC WATER, FIRE WATER, ETC.) TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. IF INVERT PIPE SUBMITTAL IS NOT MADE, NO ADDITIONAL COST WILL BE PROVIDED TO THE CONTRACTOR FOR REINSTALLING SUBSURFACE PIPING.
56. ALL FLOOR DRAINS CATCHING CONDENSATION SHALL BE "FD2" FLOOR DRAINS. ALL MECHANICAL ROOMS ARE TO BE EQUIPPED WITH "FD2" OR "FD3" FLOOR DRAINS. REFER TO PLUMBING FLOOR PLANS, AND SPECIFICATIONS.
57. CONTRACTOR TO COORDINATE ALL PLUMBING VENTS WITH X-BRACING IN WALLS, OFFSET AS REQUIRED.
58. CONTRACTOR TO PROVIDE AND INSTALL REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTOR (BFP) ON 1/2" COLD WATER LINE SERVING ALL ICE MAKERS & HUMIDIFIERS. ROUTE DRAIN FROM RPZ BFP TO RESPECTIVE DRAIN FOR ICE MAKER/HUMIDIFIER.
59. AT PROJECT COMPLETION THE CONTRACTOR SHALL REMOVE ALL DEBRIS (CONCRETE, DIRT, ETC.) FROM ALL EXTERIOR VALVE COVERS, EXTERIOR CLEANOUTS & MANHOLE COVERS, THEN APPLY TWO-PART EPOXY COATING (BLACK) FOR ALL EXTERIOR CLEANOUTS, MANHOLE COVERS, AND EXTERIOR VALVE COVERS. EPOXY COATING SHALL DRY TO A HARD FINISH, APPLY COATING PRIOR TO INSTALLATION OF ALL EXTERNAL SEALS.
60. THE ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS UPON WHICH THE CONTRACT DOCUMENTS ARE BASED MAY BE INACCURATE OR INCOMPLETE. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS AND MODIFY AS REQUIRED.
61. THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING IN BID A COMPLETE AND WORKING SYSTEM IN ACCORDANCE WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS.

PLUMBING PLAN KEYNOTES: (X)

(1) CONTRACTOR TO PROVIDE AND INSTALL EXTERIOR CLEANOUT, REFER TO DETAIL #1, SHEET P401.

(2) CONTRACTOR TO PROVIDE AND INSTALL 2-WAY EXTERIOR CLEANOUT, REFER TO DETAIL #2, SHEET P401.

(3) CONTRACTOR TO PROVIDE AND INSTALL AUTOMATIC TRAP PRIMER WITH AIR GAP, ROUTE 1/2" LINE INSIDE WALL, DOWN INSIDE, UNDERGROUND TO FLOOR DRAIN. REFER TO DETAIL #6, SHEET P401.

(4) CONTRACTOR TO PROVIDE AND INSTALL, UNDERGROUND WATER SHUT OFF VALVE IN CAST IRON VALVE BOX WITH COVER MARKED "WATER", REFER TO DETAIL #5, SHEET P401.

(5) CONTRACTOR SHALL FIELD ROUTE INCOMING DOMESTIC COLD WATER PIPING (SIZES SHOWN ON DRAWING) UP FROM BELOW GRADE WITH FULL PORT BALL VALVE INSTALLED ON VERTICAL PIPING 60 INCHES ABOVE FINISH FLOOR. COORDINATE EXACT LOCATION IN FIELD PRIOR TO INSTALLATION.

(7) REFER TO SITE PLAN, SHEET MP101 FOR CONTINUATION OF PLUMBING SERVICES.

(8) CONTRACTOR SHALL PROVIDE AND INSTALL GAS FIRED WATER HEATERS (WH-1A, WH-1B) LOCATED WITHIN MECHANICAL ROOM C110. FIELD ROUTE AUXILIARY DRAIN PIPING (1" PVC) AND T&P RELIEF DRAIN PIPING (COPPER PIPE FULL SIZE) TO FLOOR DRAIN, TURN DOWN. REFER TO DETAIL #8, SHEET P403.

(9) 1-1/2" GAS PIPING WITH SHUT OFF VALVE DOWN TO WATER HEATER AND CONNECT. CONTRACTOR TO COORDINATE WITH MANUFACTURERS SPECIFICATIONS FOR EXACT CONNECTIONS TO EQUIPMENT PRIOR TO INSTALLATION.

(10) CONTRACTOR SHALL PROVIDE AND INSTALL 3" FLOOR SINK (3"FS2), ZURN MODEL Z1910 (OR APPROVED EQUAL) EQUIPPED WITH TRAP PRIMER CONNECTION. CONTRACTOR TO COORDINATE WITH MANUFACTURERS SPECIFICATIONS FOR EXACT CONNECTIONS TO EQUIPMENT PRIOR TO INSTALLATION.

(11) CONTRACTOR TO PROVIDE AND INSTALL CLOTHES WASHER LINT FILTER. CLOTHES WASHER LINT FILTER TO BE MODEL LUV-R AS MANUFACTURED BY ENVIRONMENTAL ENHANCEMENTS (WWW.ENVIRONMENTALENHACEMENTS.COM). CLOTHES WASHER LINT FILTER TO BE AS FOLLOWS: MADE OF STAINLESS STEEL MESH WITH HOLE DIAMETERS OF 0.0625 INCHES, BACKPRESSURE NOT TO EXCEED 5 LBS PER SQUARE INCH AFTER A MONTH OF AVERAGE USAGE, DYNAMIC FILTRATION, FILTER BOWL TO BE CLEAR FOR VISIBILITY, MOUNT ON WALL APPROXIMATELY 18" ABOVE THE WASHING MACHINE. PROVIDE ANGLE-MOUNTING BRACKET.

(12) CONTRACTOR SHALL FIELD ROUTE 1/2" DOMESTIC COLD WATER PIPING DOWN TO ICE MACHINE AND CONNECT. PROVIDE AND INSTALL WATER FILTER (OF-1) AS SCHEDULED ON SHEET P201. INSTALL WATER/DRAIN IN STRICT ACCORDANCE WITH ICE MAKER MANUFACTURER'S RECOMMENDATIONS, & COORDINATE WITH FOOD SERVICE DRAWINGS PRIOR TO INSTALLATION. REFER TO DETAILS #8, & #9, SHEET P402.

(13) CONTRACTOR SHALL PROVIDE AND INSTALL ELEVATOR SUMP PUMP, REFER TO DETAIL #1, SHEET P405.

(14) CONTRACTOR SHALL FIELD ROUTE ELEVATOR DISCHARGE PIPING (2" COPPER) DOWN TO FLOOR SINK WITH AIR GAP AS REQUIRED.

(15) CONTRACTOR SHALL PROVIDE AND INSTALL WADE MODEL 1100-BS (OR PRIOR APPROVED EQUAL) ADJUSTABLE FLOOR DRAIN (HINGED SCORIATED SOLID COVER, 4" BOTTOM OUTLET, SEDIMENT BUCKET, GASKETED COVER, ANCHOR FLANGE, SEEPAGE OPENINGS, REVERSIBLE CLAMPING COLLAR, ADJUSTABLE TOP).

(16) CONTRACTOR TO PROVIDE 2" HUB DRAIN STUBBED OUT WALL TO RECEIVE CONDENSATE FROM AIR HANDLING UNIT, CONTRACTOR TO ROUTE CONDENSATE FROM AIR HANDLING UNIT TO HUB DRAIN AND TURN DOWN AT FUNNEL.

(17) CONTRACTOR SHALL FIELD ROUTE SANITARY SEWER PIPING (SIZES SHOWN ON DRAWINGS) UP TO FLOOR ABOVE WITH CLEANOUT LOCATED AT BASE OF RISER, REFER TO 2ND FLOOR PLUMBING PLAN, SHEET P102 FOR CONTINUATION.

(18) CONTRACTOR SHALL FIELD ROUTE 3" GREASE WASTE PIPING TO STAINLESS STEEL FLOOR TROUGH AND CONNECT. REFER TO FOOD SERVICE DRAWINGS FOR SPECIFICATIONS OF FLOOR TROUGH PRIOR TO INSTALLATION.

(19) CONTRACTOR TO PROVIDE AND INSTALL ELECTRIC WATER HEATER (WH-2) SUSPENDED FROM STRUCTURE ABOVE WITH DECK SUPPORT. WATER HEATER TO BE FIELD MOUNTED ABOVE MOP SINK TO MAXIMIZE CLEARANCE WHILE MAINTAINING ALL REQUIRED MANUFACTURERS SERVICE AND INSTALLATION CLEARANCES. WATER HEATER NOT SHOWN DIRECTLY ABOVE MOP SINK ON PLAN FOR GRAPHIC CLARITY ONLY, COORDINATE WITH ARCHITECT/OWNER FOR EXACT LOCATION PRIOR TO INSTALLATION. PROVIDE AND INSTALL HOLDRITE MODEL #60-SWHP (OR APPROVED EQUAL) SUSPENDED WATER HEATER PLATFORM. FIELD ROUTE AUXILIARY DRAIN PIPING (1" COPPER PIPE) AND T&P RELIEF DRAIN PIPING (FULL-SIZE COPPER PIPE) WITHIN WALL, STUB OUT WALL AT MOP SINK, TURN DOWN. REFER TO DETAIL #3, SHEET P404.

(20) CONTRACTOR TO PROVIDE AND INSTALL ELECTRIC WATER HEATER (WH-3) LOCATED ON STAND WITHIN MECHANICAL ROOM A106. PROVIDE AND INSTALL HOLDRITE MODEL #40-S-30-A (OR APPROVED EQUAL) WATER HEATER PLATFORM. FIELD ROUTE AUXILIARY DRAIN PIPING (1" PVC) AND T&P RELIEF DRAIN PIPING (COPPER PIPE FULL SIZE) TO FLOOR SINK, TURN DOWN. REFER TO DETAIL #7, SHEET P404.

(21) CONTRACTOR SHALL PROVIDE AND INSTALL REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (BFP-1) ON 1" COLD WATER PIPING AS SHOWN ON DRAWINGS. FIELD ROUTE DISCHARGE/DRAIN PIPING FROM BACKFLOW PREVENTER TO NEAREST FLOOR DRAIN AND TURN DOWN WITH AIR GAP. INSTALL IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND APPLICABLE CODES. REFER TO DETAIL #9, SHEET P403. PROVIDE ALL REQUIRED WALL SUPPORTS AND CLEARANCES FOR INSTALLATION, TESTING, AND MAINTENANCE. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE EXACT INSTALLATION REQUIREMENTS PRIOR TO INSTALLATION.

(22) CONTRACTOR SHALL FIELD ROUTE NEW 1" COLD WATER PIPING, INCLUDING ISOLATION SHUTOFF VALVE, TO SERVE THE SPARK DETECTION WATER BOOSTER PUMP SYSTEM FOR THE DUST COLLECTOR AND MAKE FINAL CONNECTION TO EQUIPMENT. COORDINATE EXACT CONNECTION REQUIREMENTS, INCLUDING REQUIRED FLOW AND PRESSURE, WITH EQUIPMENT MANUFACTURER AND APPROVED SUBMITTALS PRIOR TO INSTALLATION. PROVIDE ALL PIPING, VALVES, FITTINGS, AND CONNECTIONS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. REFER TO MECHANICAL FLOOR PLAN FOR CONTINUATION.

(23) CONTRACTOR SHALL FIELD ROUTE ROOF LEADER (SIZES SHOWN ON DRAWINGS) DOWN BELOW GRADE WITH WALL CLEANOUT LOCATED AT BASE OF RISER, REFER TO DETAIL #2, SHEET P405. COORDINATE ROUTING OF ROOF DRAIN PIPING BELOW GRADE WITH SUB-SURFACE STRUCTURE AND PROVIDE ALL OFF-SETS AS REQUIRED.

(24) CONTRACTOR SHALL FIELD ROUTE 3/4" COLD WATER PIPING WITH SHUT OFF VALVE UP TO ROOF HYDRANT (HB-3). COORDINATE ALL PIPING PENETRATIONS WITH STRUCTURE AND OTHER TRADES. REFER TO PLUMBING ROOF PLAN, SHEET P106 FOR CONTINUATION OF WATER PIPING.

(25) CONTRACTOR SHALL FIELD ROUTE 2" (2PSIG) GAS PIPING UP THE EXTERIOR OF THE BUILDING UP TO ROOF TO SERVE GAS-FIRED MECHANICAL EQUIPMENT. GAS PIPING SHALL BE SECURELY SUPPORTED AND ANCHORED TO THE EXTERIOR WALL IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER REQUIREMENTS, AND LOCAL JURISDICTION STANDARDS. COORDINATE ROUTING, & SUPPORTS, WITH BUILDING CONDITIONS. REFER TO MECHANICAL/PLUMBING ROOF PLAN FOR CONTINUATION OF GAS PIPING AND FINAL CONNECTIONS TO ROOF-MOUNTED EQUIPMENT.

(26) CONTRACTOR TO PROVIDE AND INSTALL NEW GAS REGULATOR SIZED DOWN FROM 2-PSIG TO MANUFACTURER RECOMMENDED OPERATING PRESSURE TO SERVE GAS FIRED KITCHEN EQUIPMENT & WATER HEATERS. REGULATOR TO BE SIZED FOR A MAXIMUM FLOW OF 1,740 CFH (1,740,000 BTU). CONTRACTOR TO VERIFY OPERATING PRESSURE WITH MANUFACTURER OF ACTUAL EQUIPMENT (THAT IS TO BE SUPPLIED TO THE PROJECT) PRIOR TO INSTALLATION. NATURAL GAS REGULATOR TO BE GOVERNOR SERIES AS MANUFACTURED BY PIETRO FLORENTINI (REGULATOR TO HAVE INTEGRAL VENT LIMITER, CAPACITY RANGE OF 500 TO 1 TURNDOWN).

(27) GAS SOLENOID VALVE, GAS VALVE TO CLOSE UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM. CONTRACTOR TO COORDINATE WITH KITCHEN HOOD SUPPLIER & KITCHEN HOOD FIRE SUPPRESSION SUPPLIER AS TO ENSURE A COMPLETE AND WORKING SYSTEM. PROVIDE MANUAL SHUTOFF VALVE & UNION AT POINT OF CONNECTION TO KITCHEN HOOD UTILITY DISTRIBUTION SYSTEM (UDS). COORDINATE WITH FOOD SERVICE DRAWINGS FOR EXACT CONNECTIONS TO EQUIPMENT PRIOR TO INSTALLATION. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

(28) CONTRACTOR SHALL FIELD ROUTE 1" HOT/COLD WATER PIPING DROPS (WITH SHUT OFF VALVES) DOWN TO KITCHEN EQUIPMENT (UTILITY DISTRIBUTION SYSTEM) AND CONNECT. COORDINATE WITH FOOD SERVICE DRAWINGS FOR EXACT CONNECTIONS TO EQUIPMENT PRIOR TO INSTALLATION. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

(29) CONTRACTOR TO PROVIDE AND INSTALL NEW GAS REGULATOR SIZED DOWN FROM 2-PSIG TO MANUFACTURER RECOMMENDED OPERATING PRESSURE TO SERVE GAS FIRED UNIT HEATERS. REGULATOR TO BE SIZED FOR A MAXIMUM FLOW OF 400 CFH (400,000 BTU). CONTRACTOR TO VERIFY OPERATING PRESSURE WITH MANUFACTURER OF ACTUAL EQUIPMENT (THAT IS TO BE SUPPLIED TO THE PROJECT) PRIOR TO INSTALLATION. NATURAL GAS REGULATOR TO BE GOVERNOR SERIES AS MANUFACTURED BY PIETRO FLORENTINI (REGULATOR TO HAVE INTEGRAL VENT LIMITER, CAPACITY RANGE OF 500 TO 1 TURNDOWN).

(30) CONTRACTOR TO OFFSET HOT AND COLD WATER PIPING (SIZES SHOWN ON DRAWING) UP TO UNDERSIDE OF STRUCTURE. COORDINATE ROUTING AND ELEVATIONS WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS AS REQUIRED PRIOR TO INSTALLATION. FIELD VERIFY ACTUAL CEILING HEIGHTS AND AVAILABLE SPACE AND COORDINATE ALL CONFLICTS PRIOR TO ROUGH-IN.

(31) CONTRACTOR SHALL FIELD ROUTE 1" HOT AND 1" COLD WATER PIPING WITHIN WALL LATERALLY BELOW WINDOWS TO SERVE KITCHEN EQUIPMENT. COORDINATE EXACT ROUTING AND ELEVATIONS WITH ARCHITECTURAL CONDITIONS AND OTHER TRADES PRIOR TO INSTALLATION.

(32) CONTRACTOR TO PROVIDE AND INSTALL 2" HUB DRAIN WITH BARRIER TYPE TRAP PRIMER IN CEILING SPACE FOR CONDENSATE FROM HVAC UNIT. PLUMBING CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION, REFER TO DETAIL #7, SHEET P402.

(33) CONTRACTOR TO FIELD ROUTE NEW 1-1/2" (10"WC) GAS PIPING TO GAS FIRED UNIT HEATER AND CONNECT. PROVIDE AND INSTALL SHUT OFF VALVE, UNION, & DIRT LEG AT POINT-OF-CONNECTION AS REQUIRED. COORDINATE WITH EQUIPMENT SPECIFICATIONS AND APPROVED EQUIPMENT SUBMITTALS ON EXACT REQUIREMENTS PRIOR TO INSTALLATION & INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

(34) CONTRACTOR SHALL FIELD ROUTE 2" COLD WATER PIPING WITH SHUTOFF VALVE UP TO FLOOR ABOVE. COORDINATE ROUTING WITH STRUCTURAL, ARCHITECTURAL, AND OTHER TRADES PRIOR TO INSTALLATION. REFER TO 2ND FLOOR PLUMBING PLAN, SHEET P102, FOR CONTINUATION.

(35) CONTRACTOR SHALL FIELD ROUTE HOT WATER PIPING (SIZES SHOWN ON DRAWING) WITH SHUTOFF VALVE UP TO FLOOR ABOVE. COORDINATE ROUTING WITH STRUCTURAL, ARCHITECTURAL, AND OTHER TRADES PRIOR TO INSTALLATION. REFER TO 2ND FLOOR PLUMBING PLAN, SHEET P102, FOR CONTINUATION.

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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

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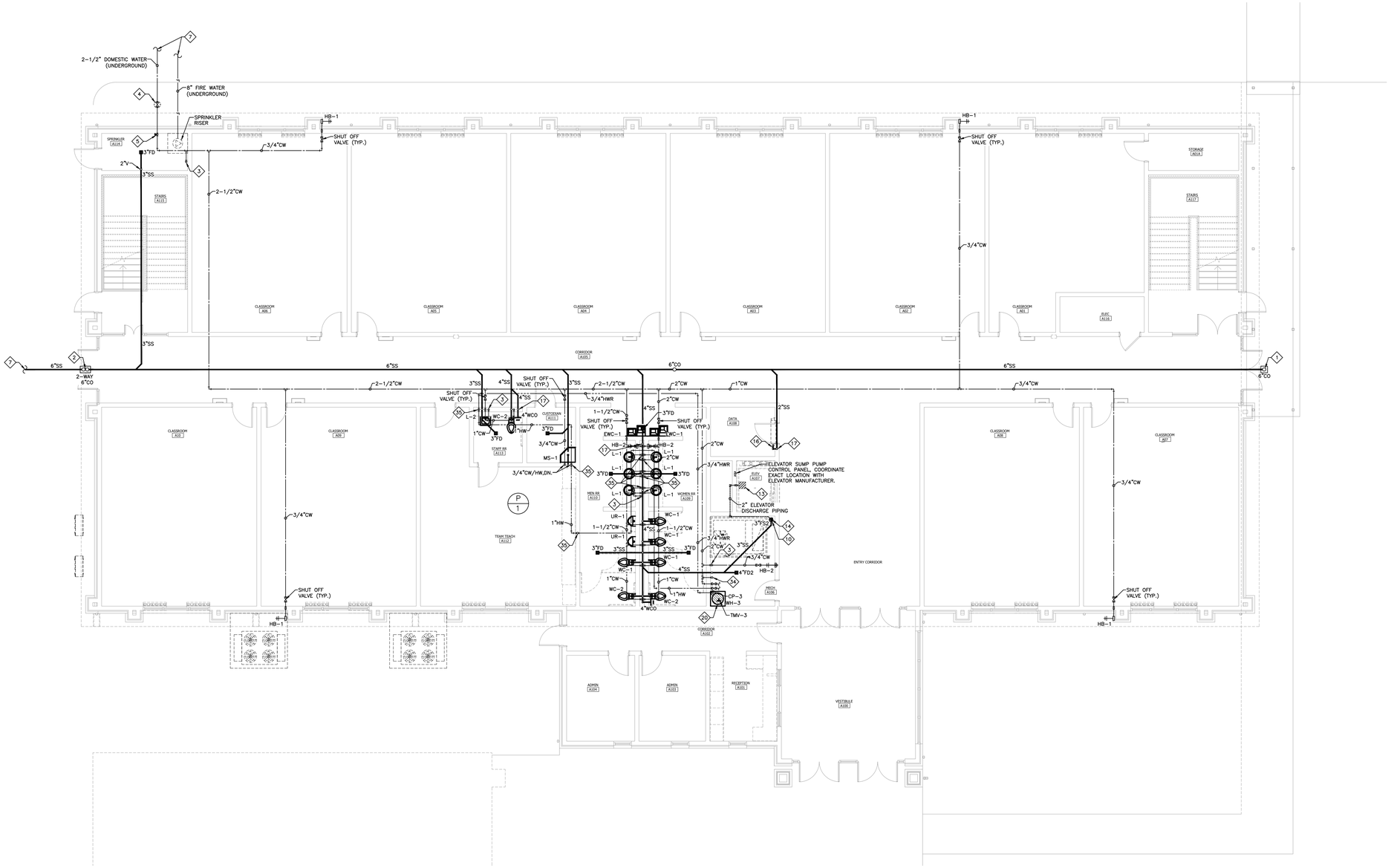
REVISIONS

GENERAL PLUMBING NOTES AND LEGEND

SHEET No. P100



1 BUILDING "A" PLUMBING FLOOR PLAN - LEVEL 1

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

REFER TO SHEET P100 FOR PLUMBING KEYNOTES

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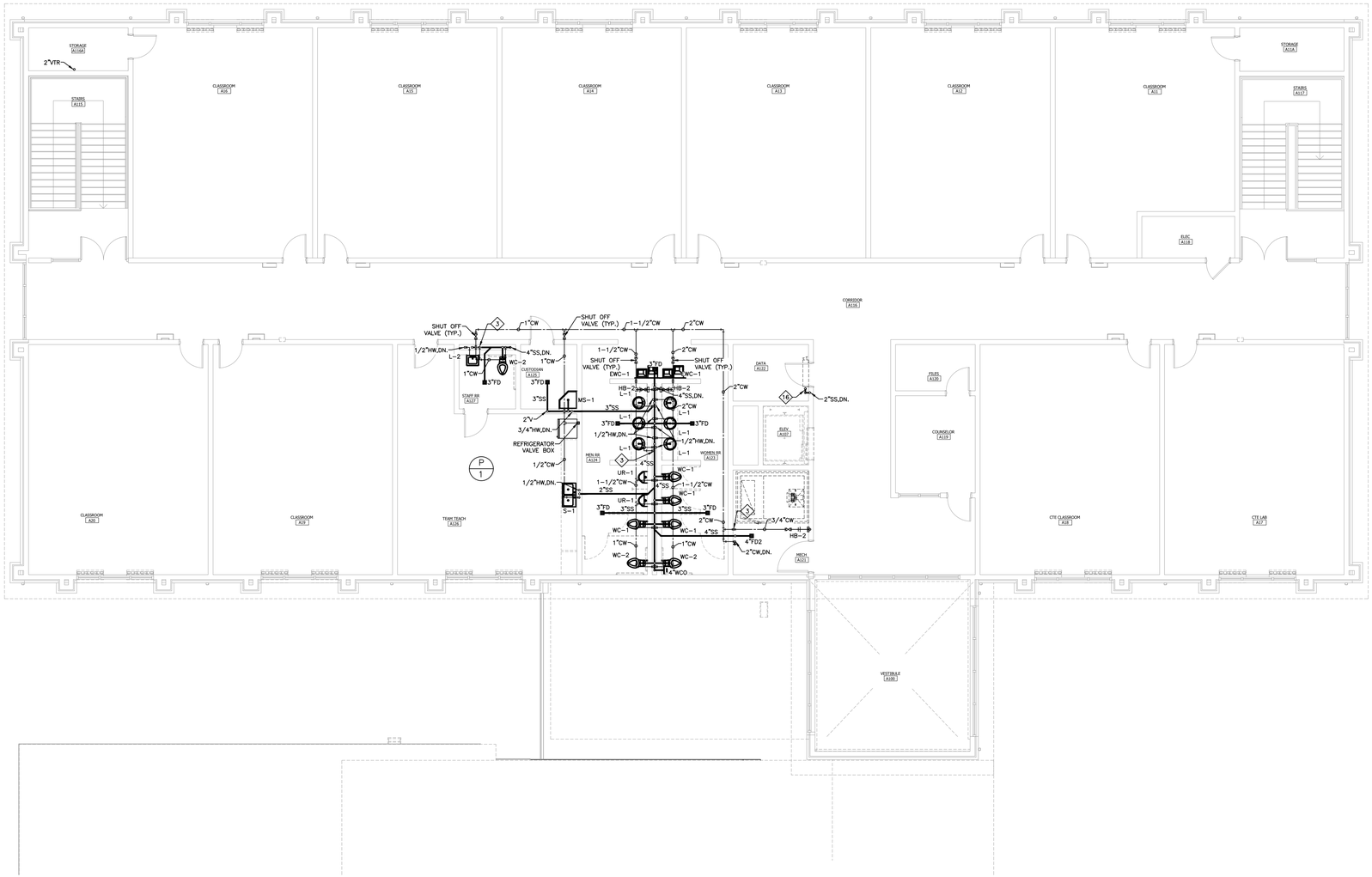
BUILDING "A" PLUMBING FLOOR PLAN - LEVEL 1

SHEET No. P101



1 BUILDING "A" PLUMBING FLOOR PLAN - LEVEL 2

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

REFER TO SHEET P100 FOR PLUMBING KEYNOTES

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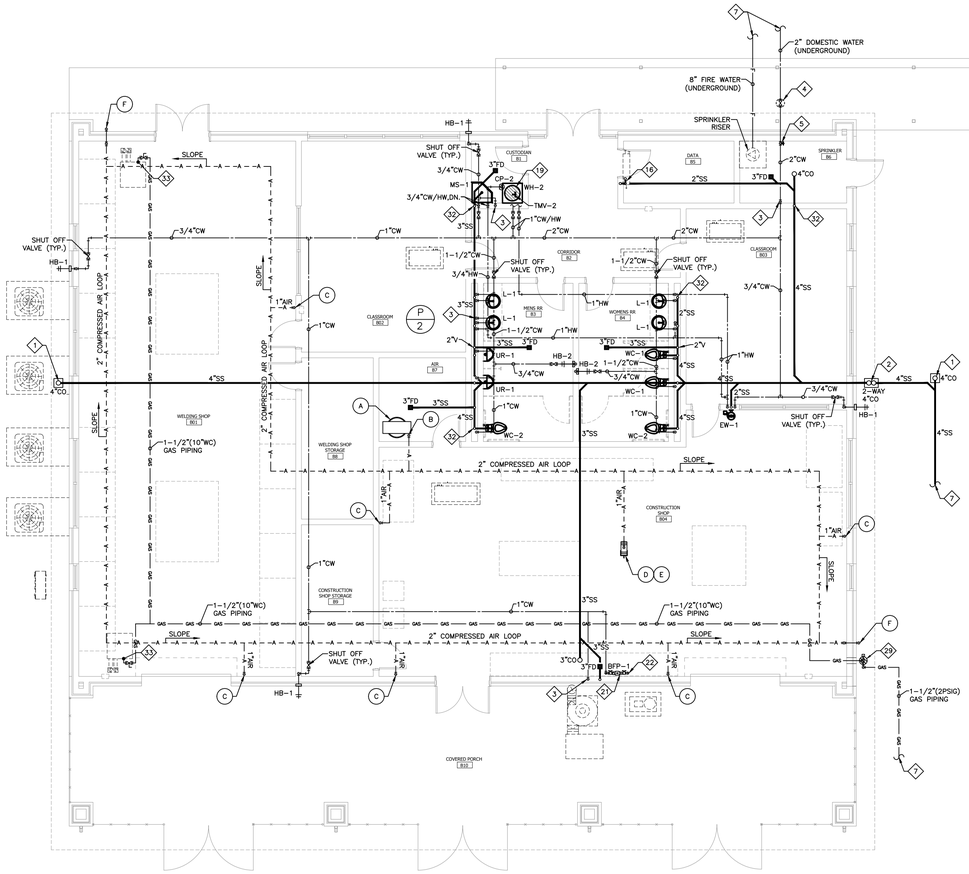
BUILDING "A" PLUMBING FLOOR PLAN - LEVEL 2

SHEET No. P102



1 BUILDING "B" FLOOR PLAN - PLUMBING

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

GENERAL COMPRESSED AIR SYSTEM NOTES:

1. PAINT ALL COMPRESSED AIR PIPING, ETC. REFER TO SPECIFICATIONS. DO NOT PAINT VALVE HANDLES & QUICK CONNECTS. PROVIDE PIPE LABELS & DIRECTIONAL FLOW ARROWS.
2. ALL STRAIGHT PIPE LENGTHS ARE TO BE COUPLED WITH 2x2x2 TEES WITH 2" OUTLET IN VERTICAL POSITION (WITH 1" BUSHING, PLUGGED) FOR FUTURE USE BY OWNER.
3. COORDINATE ALL COMPRESSED AIR DROP LOCATIONS WITH OWNER PRIOR TO INSTALLATION. PROVIDE QUICK CONNECT & SHUTOFF VALVE AT EVERY DROP. COORDINATE WITH OWNER FOR EXACT LOCATION & QUICK CONNECT TYPE PRIOR TO INSTALLATION.

3.1. FIGURE IN BID TO PROVIDE & INSTALL FIVE (5) ADDITIONAL 3/4" COMPRESSED AIR DROPS (TO DUAL QUICK CONNECTS).

4. ALL COMPRESSED AIR PIPING SHALL BE SLOPED TO VERTICAL DROPS AS NOTED ON FLOOR PLAN.

4.1. PIPE SLOPE TO BE 1" PER EVERY 8'-0".

5. ALL BRANCH PIPING FROM COMPRESSED AIR PIPING MAIN IS BE FROM THE TOP OF THE MAIN PIPE TO PREVENT FREE WATER FROM ENTERING THE AIRDROPS THROUGH GRAVITY.
6. COMPRESSED AIR LOOP SHALL BE A CLOSED LOOP (NO DEAD-END LINES) PIPE LAYOUT TO EQUALIZE AIR PRESSURE AND REDUCE FRICTION THROUGHOUT THE SYSTEM.
7. ALL ELBOWS SHALL BE LONG SWEEP TYPE, SHORT SWEEP ELBOWS WILL NOT BE ALLOWED.
8. PROVIDE A "ZIG-ZAG" PIPING SYSTEM WITHIN VERTICAL MAIN FROM AIR COMPRESSOR TO COMPRESSED AIR PIPING LOOP.

8.1. THE "ZIG-ZAG" PIPE CONFIGURATION SHALL CONSIST OF FIVE (5) 5'-0" PIPE SEGMENTS WITH 90° ELBOWS. SLOPE PIPING BACK AS TO DRAIN BACK TO AIR COMPRESSOR AND NOT BE TRAPPED WITHIN PIPING.

COMPRESSED AIR SYSTEM KEYNOTES: (X)

(A) PROVIDE AND INSTALL VERTICAL TWO-STAGE AIR COMPRESSOR, INGERSOLL-RAND MODEL 2475N7.5-V, OR APPROVED EQUAL. 7.5 HP, 80 GALLON RECEIVER INSTALLED ON 6" HIGH CONCRETE PAD, EQUIPPED WITH REFRIGERATED AIR DRYER MOUNTED ON WALL. COORDINATE WITH EQUIPMENT SPECIFICATIONS ON EXACT REQUIREMENTS PRIOR TO INSTALLATION AND INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. REFER TO DETAIL #4, SHEET P405.

(B) CONTRACTOR TO FIELD ROUTE 2" COMPRESSED AIR PIPING TO AIR COMPRESSOR AND CONNECT. PROVIDE UNION AND SHUTOFF VALVE AT POINT-OF-CONNECTION. PROVIDE DIRT LEG AT BASE OF PIPE RISER WITH THREADED CAP. COORDINATE WITH MANUFACTURERS SPECIFICATIONS FOR EXACT CONNECTIONS TO EQUIPMENT PRIOR TO INSTALLATION.

(C) CONTRACTOR TO FIELD ROUTE 1" COMPRESSED AIR PIPING DOWN WALL WITH TWO (2) 1"x1"x1" TEES. PROVIDE 1" BUSHING WITH 3/4" OUTLET FACING FINISHED FLOOR. PROVIDE 3/4" SHUTOFF VALVE, UNION, 12" NIPPLE & 3/4" QUICK CONNECT FACING FINISHED FLOOR. TYPICAL OF TWO (2) QUICK CONNECT ASSEMBLIES. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION. REFER TO DETAIL #3, SHEET P405.

(D) CONTRACTOR SHALL FIELD ROUTE 1" COMPRESSED AIR PIPING TO 3/4" QUICK-CONNECT FITTING WITH SHUTOFF VALVE AND UNION FOR HOSE REEL CONNECTION. PROVIDE AND INSTALL BALCRANK EV SERIES (OR APPROVED EQUAL) STEEL DUAL-ARM AUTO-RETRACTABLE AIR HOSE REEL, EQUIPPED WITH REQUIRED LEADER HOSE FOR CONNECTION TO AIR SUPPLY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF COMPRESSED AIR OUTLETS AND HOSE REELS WITH ARCHITECT/OWNER PRIOR TO CONSTRUCTION. VERIFY EQUIPMENT REQUIREMENTS PRIOR TO INSTALLATION AND INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(E) CONTRACTOR SHALL PROVIDE UNISTRUT BRACING, SECURELY ANCHORED TO STRUCTURE ABOVE, AS REQUIRED TO SUPPORT AIR HOSE REELS. COORDINATE EXACT HOSE REEL LOCATIONS WITH ARCHITECT/OWNER PRIOR TO CONSTRUCTION. VERIFY EQUIPMENT SPECIFICATIONS AND REQUIREMENTS PRIOR TO INSTALLATION, AND INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(F) CONTRACTOR SHALL PROVIDE AND INSTALL 1" AIR BLOW-DOWN LINE AT THIS LOCATION. FIELD ROUTE PIPING, SECURE TO WALL, PENETRATE WALL WITH ELBOW, AND EXTEND DOWNWARD. PROVIDE ISOLATION VALVE IN VERTICAL DROP AT AN ACCESSIBLE LOCATION, APPROXIMATELY 24" ABOVE FINISHED FLOOR. COORDINATE EXACT AIR BLOW-DOWN LOCATION PRIOR TO INSTALLATION.

COMPRESSED AIR LEGEND	
SYMBOL	DESCRIPTION
—A—A—A—A—A—	COMPRESSED AIR PIPE
	COMPRESSED AIR HOSE REEL

REFER TO SHEET P100 FOR PLUMBING KEYNOTES

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA
HENRY C. EYRE, III
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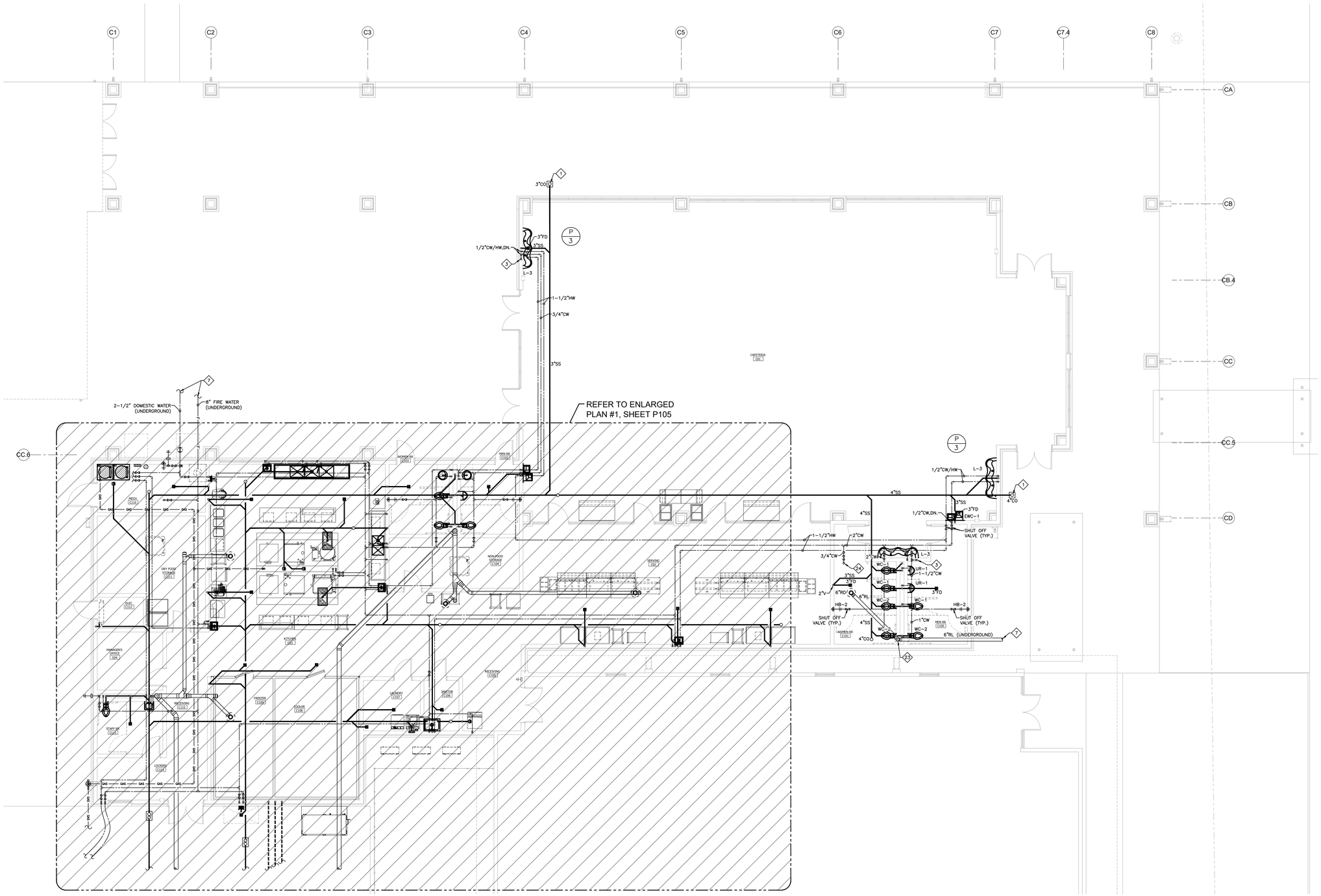
REGISTERED PROFESSIONAL ENGINEER
CIVIL
LOCAL ENGINEERING AGENCY

REVISIONS

BUILDING "B" FLOOR PLAN - PLUMBING

SHEET No. P103



1 BUILDING "C" FLOOR PLAN - PLUMBING

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

REFER TO SHEET P100 FOR PLUMBING KEYNOTES

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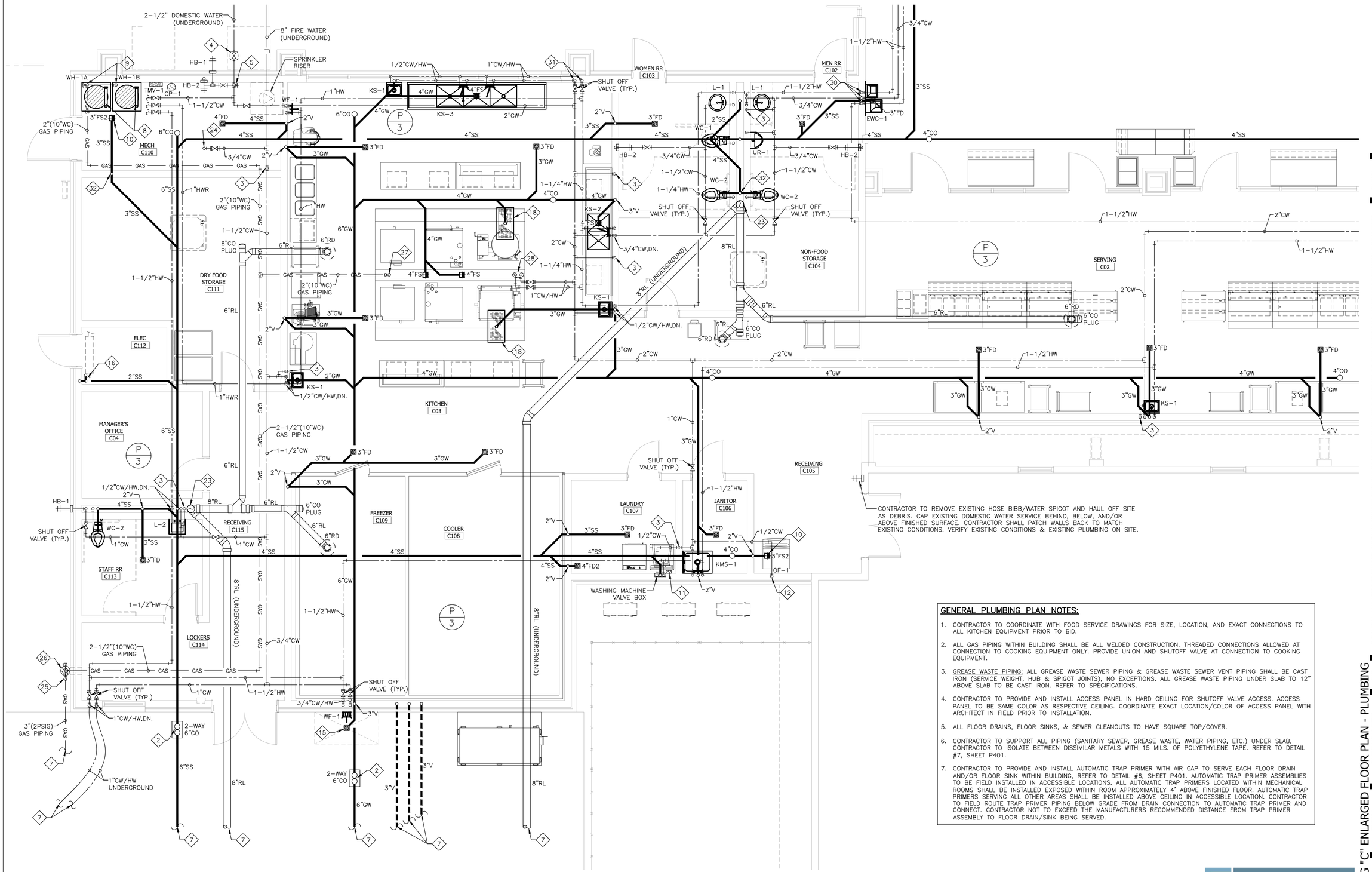
REVISIONS

BUILDING "C" FLOOR PLAN - PLUMBING

SHEET No. P104



1 BUILDING "C" ENLARGED FLOOR PLAN - PLUMBING

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

GENERAL PLUMBING PLAN NOTES:

1. CONTRACTOR TO COORDINATE WITH FOOD SERVICE DRAWINGS FOR SIZE, LOCATION, AND EXACT CONNECTIONS TO ALL KITCHEN EQUIPMENT PRIOR TO BID.
2. ALL GAS PIPING WITHIN BUILDING SHALL BE ALL WELDED CONSTRUCTION. THREADED CONNECTIONS ALLOWED AT CONNECTION TO COOKING EQUIPMENT ONLY. PROVIDE UNION AND SHUTOFF VALVE AT CONNECTION TO COOKING EQUIPMENT.
3. GREASE WASTE PIPING: ALL GREASE WASTE SEWER PIPING & GREASE WASTE SEWER VENT PIPING SHALL BE CAST IRON (SERVICE WEIGHT, HUB & SPIGOT JOINTS), NO EXCEPTIONS. ALL GREASE WASTE PIPING UNDER SLAB TO 12" ABOVE SLAB TO BE CAST IRON. REFER TO SPECIFICATIONS.
4. CONTRACTOR TO PROVIDE AND INSTALL ACCESS PANEL IN HARD CEILING FOR SHUTOFF VALVE ACCESS. ACCESS PANEL TO BE SAME COLOR AS RESPECTIVE CEILING. COORDINATE EXACT LOCATION/COLOR OF ACCESS PANEL WITH ARCHITECT IN FIELD PRIOR TO INSTALLATION.
5. ALL FLOOR DRAINS, FLOOR SINKS, & SEWER CLEANOUTS TO HAVE SQUARE TOP/COVER.
6. CONTRACTOR TO SUPPORT ALL PIPING (SANITARY SEWER, GREASE WASTE, WATER PIPING, ETC.) UNDER SLAB, CONTRACTOR TO ISOLATE BETWEEN DISSIMILAR METALS WITH 15 MILS. OF POLYETHYLENE TAPE. REFER TO DETAIL #7, SHEET P401.
7. CONTRACTOR TO PROVIDE AND INSTALL AUTOMATIC TRAP PRIMER WITH AIR GAP TO SERVE EACH FLOOR DRAIN AND/OR FLOOR SINK WITHIN BUILDING, REFER TO DETAIL #6, SHEET P401. AUTOMATIC TRAP PRIMER ASSEMBLIES TO BE FIELD INSTALLED IN ACCESSIBLE LOCATIONS. ALL AUTOMATIC TRAP PRIMERS LOCATED WITHIN MECHANICAL ROOMS SHALL BE INSTALLED EXPOSED WITHIN ROOM APPROXIMATELY 4' ABOVE FINISHED FLOOR. AUTOMATIC TRAP PRIMERS SERVING ALL OTHER AREAS SHALL BE INSTALLED ABOVE CEILING IN ACCESSIBLE LOCATION. CONTRACTOR TO FIELD ROUTE TRAP PRIMER PIPING BELOW GRADE FROM DRAIN CONNECTION TO AUTOMATIC TRAP PRIMER AND CONNECT. CONTRACTOR NOT TO EXCEED THE MANUFACTURERS RECOMMENDED DISTANCE FROM TRAP PRIMER ASSEMBLY TO FLOOR DRAIN/SINK BEING SERVED.

REFER TO SHEET P100 FOR PLUMBING KEYNOTES

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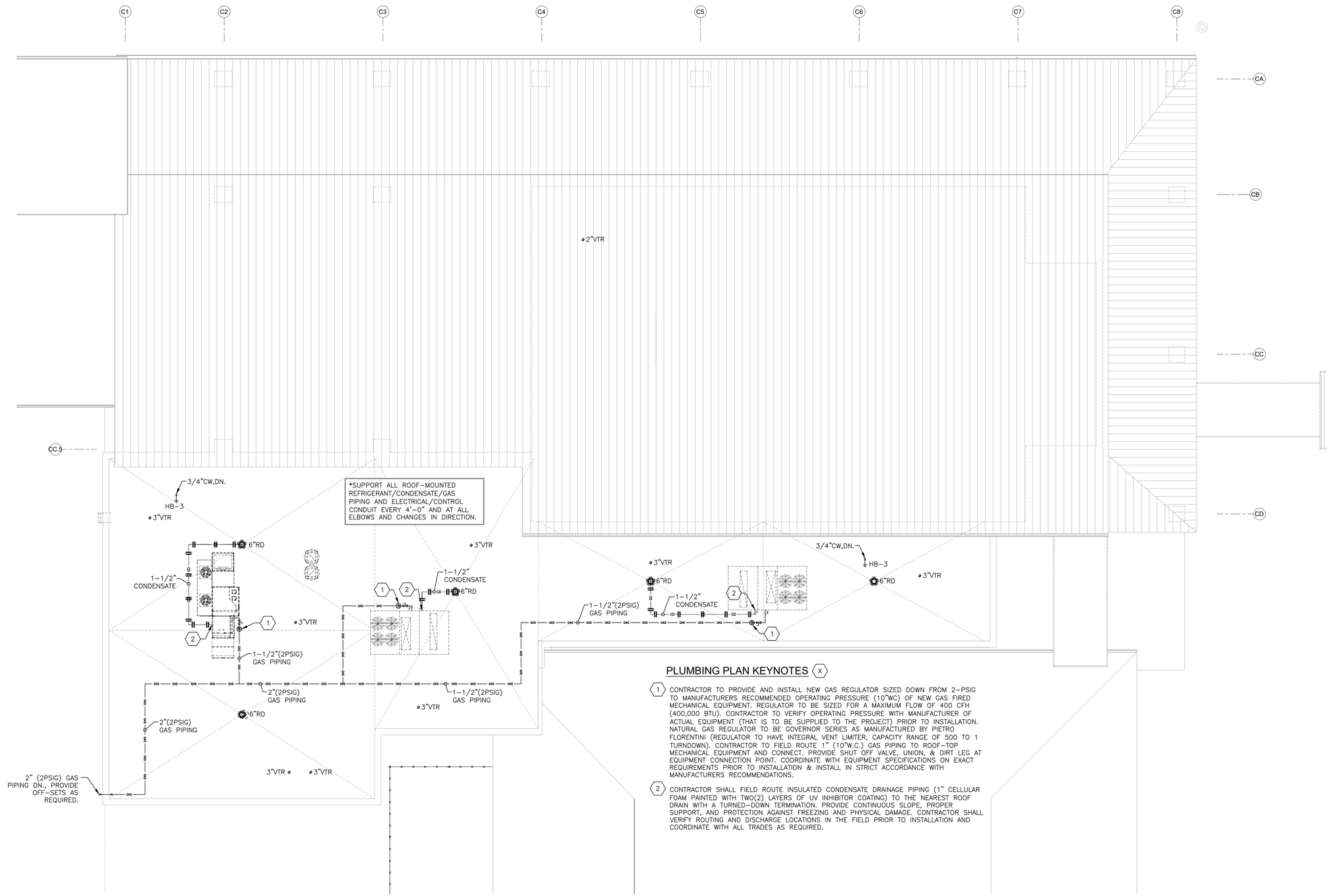
REVISIONS

BUILDING "C" ENLARGED FLOOR PLAN - PLUMBING

SHEET No. P105



PLUMBING PLAN KEYNOTES (X)

1. CONTRACTOR TO PROVIDE AND INSTALL NEW GAS REGULATOR SIZED DOWN FROM 2-PSIG TO MANUFACTURERS RECOMMENDED OPERATING PRESSURE (10"WC) OF NEW GAS FIRED MECHANICAL EQUIPMENT. REGULATOR TO BE SIZED FOR A MAXIMUM FLOW OF 400 CFH (400,000 BTU). CONTRACTOR TO VERIFY OPERATING PRESSURE WITH MANUFACTURER OF ACTUAL EQUIPMENT (THAT IS TO BE SUPPLIED TO THE PROJECT) PRIOR TO INSTALLATION. NATURAL GAS REGULATOR TO BE GOVERNOR SERIES AS MANUFACTURED BY PIETRO FLORENTINI (REGULATOR TO HAVE INTEGRAL VENT LIMITER, CAPACITY RANGE OF 500 TO 1 TURNDOWN). CONTRACTOR TO FIELD ROUTE 1" (10"W.C.) GAS PIPING TO ROOF-TOP MECHANICAL EQUIPMENT AND CONNECT. PROVIDE SHUT OFF VALVE, UNION, & DIRT LEG AT EQUIPMENT CONNECTION POINT. COORDINATE WITH EQUIPMENT SPECIFICATIONS ON EXACT REQUIREMENTS PRIOR TO INSTALLATION & INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. CONTRACTOR SHALL FIELD ROUTE INSULATED CONDENSATE DRAINAGE PIPING (1" CELLULAR FOAM PAINTED WITH TWO(2) LAYERS OF UV INHIBITOR COATING) TO THE NEAREST ROOF DRAIN WITH A TURNED-DOWN TERMINATION. PROVIDE CONTINUOUS SLOPE, PROPER SUPPORT, AND PROTECTION AGAINST FREEZING AND PHYSICAL DAMAGE. CONTRACTOR SHALL VERIFY ROUTING AND DISCHARGE LOCATIONS IN THE FIELD PRIOR TO INSTALLATION AND COORDINATE WITH ALL TRADES AS REQUIRED.

1 BUILDING "C" ROOF PLAN - PLUMBING

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

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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

REVISIONS

BUILDING "C" ROOF PLAN - PLUMBING
PROFESSIONAL OF RECORD

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PRINTED: 10-13-2026

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PIPE CONNECTION				SPECIFICATION
			C.W.	H.W.	WASTE	VENT	
WC–1	WATER CLOSET	ZURN MODEL Z5655–BWL, OR APPROVED EQUAL	1"	–	4"	3"	WHITE VIT CHINA, ELONGATED BOWL, 14" HIGH BOWL, FLUSH VALVE TYPE WITH ZURN MODEL Z–6000–WS1, OR APPROVED EQUAL (TO BE EQUIPPED WITH ANGLE STOP AND VACUUM BREAKER TUBE), TOP SPUD. CHURCH MODEL #9500SSCT, (OR APPROVED EQUAL) OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGES WITH NON–CORRODING STAINLESS STEEL POST, WHITE.
WC–2	HANDICAPPED WATER CLOSET	ZURN MODEL Z5665–BWL, OR APPROVED EQUAL	1"	–	4"	3"	WHITE VIT CHINA, ELONGATED BOWL, ADA COMPLIANT, 17" HIGH BOWL, FLUSH VALVE TYPE WITH ZURN MODEL Z–6000–WS1, OR APPROVED EQUAL (TO BE EQUIPPED WITH ANGLE STOP AND VACUUM BREAKER TUBE), TOP SPUD. CHURCH MODEL #9500SSCT, (OR APPROVED EQUAL) OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGES WITH NON–CORRODING STAINLESS STEEL POST, WHITE.
UR–1	URINAL	ZURN MODEL Z5755–U, OR APPROVED EQUAL	3/4"	–	2"	2"	FLUSH VALVE ZURN Z–6003–WS1, OR APPROVED EQUAL (TO BE EQUIPPED WITH ANGLE STOP AND VACUUM BREAKER TUBE) WALL HUNG, 3/4" TOP SPUD, SIPHON JET ACTION, PLATE TYPE WALL CARRIER. REFER TO ARCHITECTURAL DRAWINGS FOR ALL HANDICAPPED ACCESSIBLE URINAL STALLS, AND COORDINATE MOUNTING HEIGHTS FOR ADA COMPLIANCE PRIOR TO INSTALLATION.
L–1	LAVATORY	ZURN MODEL Z5220, OR APPROVED EQUAL	1/2"	1/2"	2"	2"	OVAL UNDER–COUNTER MOUNTED WITH TAILPIECE, SINGLE HOLE, PROVIDE GRID STRAINER DRAIN. PROVIDE P–TRAP, STOPS AND SUPPLIES. FACUET: CHICAGO MODEL 420–T41E2805ABCP (OR APPROVED EQUAL) SINGLE–LEVER FAUCET WITH INTEGRATED ASSE 1070 COMPLIANT THERMOSTATIC CONTROL FOR SCALD PROTECTION, SOLID LEAD–FREE BRASS CONSTRUCTION, VANDAL RESISTANT 0.5 GPM FLOW RESTRICTOR, PROVIDE DECKPLATE.
L–2	LAVATORY	ZURN MODEL Z5340, OR APPROVED EQUAL	1/2"	1/2"	2"	2"	WALL HUNG WITH TAILPIECE, SINGLE HOLE, GRID STRAINER DRAIN. PROVIDE 0.5 FLOW RESTRICTOR, P–TRAP, STOPS, SUPPLIES & CONCEALED ARMS WALL CARRIER. LAVATORY TO BE EQUIPPED WITH MOLDED TRUEBRO LAV–SHIELD (OR APPROVED EQUAL) PROTECTIVE LAVATORY ENCLOSURE. FACUET: CHICAGO MODEL 420–T41E2805ABCP (OR APPROVED EQUAL) SINGLE–LEVER FAUCET WITH INTEGRATED ASSE 1070 COMPLIANT THERMOSTATIC CONTROL FOR SCALD PROTECTION, SOLID LEAD–FREE BRASS CONSTRUCTION, VANDAL RESISTANT 0.5 GPM FLOW RESTRICTOR, PROVIDE DECKPLATE.
L–3	LAVATORY SYSTEM	BRADLEY MODEL MG–3, SOLID SURFACE MATERIAL, THREE BOWL LAVATORY DESIGN.	1/2"	1/2"	2"	2"	STAINLESS STEEL MOUNTING FRAME, THREE STATION WAVE DESIGN ACRYLIC MODIFIED POLYESTER RESIN LAVATORY SYSTEM MOLDED TOP SURFACE WITH INTEGRAL SURFACE VANDAL RESISTANT SPRAY HEAD TO BE EQUIPPED WITH INFERRED SENSOR TO AUTOMATICALLY SHUT OFF WATER (TIME ADJUSTABLE). BLOW ASSEMBLY AND PEDESTAL END CAP TO BE SECURED TO WALL WITH HEAVY DUTY STAINLESS STEEL SUPPORT FRAME. THE CONTOURED FRONT ACCESS PANEL TO CONSTRUCTED OF ACRYLIC LAMINA NT.. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. TO BE EQUIPPED WITH ASSE 1070 COMPLIANT MIXING VALVE. SPRAY HEAD, PEDESTAL, INFRARED SENSOR, FLOW RESTRICTOR, P–TRAP, FLEX STAINLESS STEEL SUPPLY CONNECTION, SOAP DISPENSER, STRAINER AND CHECK VALVE. 110/24 VAC PLUG–IN TRANSFORMER
S–1	SINK	ELKAY MODEL ELUHAD311855, OR APPROVED EQUAL	1/2"	1/2"	2"	2"	UNDER–COUNTER MOUNTED, 18 GA. TYPE 304 STAINLESS STEEL, DOUBLE COMPARTMENT, ADA COMPLIANT, REAR–CENTER DRAIN LOCATION, EQUIPPED WITH GRID STRAINER. PROVIDE P–TRAP, STOPS, SUPPLIES. FAUCET: KOHLER MODEL K–596–VS (OR APPROVED EQUAL) DECK MOUNTED, SINGLE HOLE FAUCET, SINGLE LEVER HANDLE, GOOSENECK SPOUT WITH THREE–FUNCTION PULL–DOWN SPRAYHEAD. FAUCET TO BE PROVIDED WITH DECK PLATE. COORDINATE WITH OWNER/ARCHITECT FOR EXACT FINISH PRIOR TO ORDERING FIXTURE.
MS–1	MOP SINK	FIAT MODEL MSB–2436, OR APPROVED EQUAL	3/4"	3/4"	3"	2"	FLOOR MOUNTED, 2" DRAIN. EQUIPPED WITH. HOSE AND BRACKET COMBO, FIAT MODEL 832–AA (OR APPROVED EQUAL). MOP HANGER BRACKET, FIAT MODEL 889–CC (OR APPROVED EQUAL). CONTRACTOR TO PROVIDE AND INSTALL FRP WALL SURROUND, REFER TO TYPICAL DETAIL. FAUCET: ZURN MODEL Z843M1–RC–CS–HCT (OR APPROVED EQUAL) WALL MOUNTED 8" FAUCET EQUIPPED WITH VACUUM BREAKER SPOUT, PAIL HOOK, QUARTER TURN CERAMIC DISC CARTRIDGES, VANDAL RESISTANT COLOR CODED BRASS LEVER HANDLES, & HOSE THREADS. CONTRACTOR TO COORDINATE EXACT MOUNTING HEIGHTS PRIOR TO INSTALLATION.
EWC–1	ELECTRIC WATER COOLER	ELKAY MODEL LZOOTL8WSSK, OR APPROVED EQUAL	1/2"	–	2"	2"	WALL HUNG, FRONT PUSHBARS EQUIPPED WITH SENSOR OPERATED HANDS–FREE ACTIVATION, FILTERED, 8.0 GPM OF 50° WATER @ 90° AMBIENT, DUAL LEVEL, ADA COMPLIANT. STAINLESS STEEL LOWER SHROUD, EQUIPPED WITH SENSOR OPERATED, EZH2O BOTTLE FILLER, AUTO 20–SECOND SHUT–OFF TIMER, ANTIMICROBIAL, FLEXI–GUARD SAFETY BUBBLER. CONTRACTOR TO COORDINATE WITH ARCHITECT FOR MOUNTING HEIGHTS, ELECTRICAL SERVICE 120/1/60. CONTRACTOR SHALL FIGURE IN BID TO PROVIDE AND INSTALL CANE–APRON (ELKAY EZ SERIES, OR APPROVED EQUAL) AS REQUIRED.
EW–1	WALL MOUNTED EYE/FACE WASH	SPEAKMAN MODEL SE–582, OR APPROVED EQUAL	TEMPERED 1/2"		2"	2"	WALL–MOUNTED EYE/FACE WASH. PUSH HANDLE ACTIVATED, STAY OPEN FULL FLOW BALL VALVE, TWIN SPRAY HEADS WITH INDIVIDUAL FLOW RESTRICTORS AND FLIP TOP DUST COVERS, STAINLESS STEEL BOWL, P–TRAP, SUPPLIES. PROVIDE AND INSTALL LEONARD MODEL 6020–LF–STSTL–REC (OR APPROVED EQUAL) EMERGENCY THERMOSTATIC MIXING VALVE (ASSE 1071 COMPLIANT) EQUIPPED WITH OPTIONAL RECESSED CABINET AT EACH EYEWASH STATION.
WF–1	WALL FAUCET	ZURN MODEL Z843M1, OR APPROVED EQUAL	3/4"	3/4"	–	–	WALL MOUNTED 8" FAUCET EQUIPPED WITH VACUUM BREAKER SPOUT, PAIL HOOK, QUARTER TURN CERAMIC DISC CARTRIDGES, VANDAL RESISTANT COLOR CODED BRASS LEVER HANDLES, & HOSE THREADS. CONTRACTOR TO COORDINATE EXACT MOUNTING HEIGHTS PRIOR TO INSTALLATION.
HB–1	HOSE BIBB	ZURN MODEL Z1320, OR APPROVED EQUAL	3/4"	–	–	–	AUTOMATIC DRAINING, ANTI–SIPHON VACUUM BREAKER, FREEZELESS, WALL HYDRANT WITH FLUSH MOUNTED CHROME PLATED WALL BOX LABELED "WATER", LONG TEE KEY, CHROME HEAD NUT. WHERE WALL THICKNESS DOES NOT ALLOW FOR THE INSTALLATION OF THE SPECIFIED FLUSH MOUNTED FREEZELESS HOSE BIBB, PROVIDE AND INSTALL WOODFORD MODEL 68 UNDERCOVER WALL HYDRANT. VERIFY ALL WALL THICKNESS AS SHOWN ON ARCHITECTURAL DRAWINGS & IN FIELD PRIOR TO ORDERING ANY AND ALL HOSE BIBBS.
HB–2	HOSE BIBB	ZURN MODEL Z–1350, OR APPROVED EQUAL	3/4"	–	–	–	NARROW WALL HYDRANT, AUTOMATIC DRAINING, ANTI–SIPHON VACUUM BREAKER, WALL HYDRANT WITH FLUSH MOUNTED CHROME PLATED WALL BOX LABELED "WATER", LONG TEE KEY.
HB–3	HOSE BIBB	WOODFORD MODEL SRH–MS, OR APPROVED EQUAL	3/4"	–	–	–	AUTOMATIC DRAINING, ANTI–SIPHON VACUUM BREAKER, ROOF HYDRANT, BOOT COVERS WELL SEAL THAT TIGHTENS BETWEEN HYDRANT SUPPORT AND CASING, UNDER DECK FLANGE, MOUNTING BOLTS. FREEZELESS, ASSE 1057 COMPLIANT, NO DRAIN LINE REQUIRED IN ORDER TO BE FREEZELESS.
HB–4	HOSE BIBB	WOODFORD MODEL S3, OR APPROVED EQUAL.	1"	–	–	–	AUTOMATIC DRAINING BACKFLOW PREVENTER FROST PROOF YARD HYDRANT EQUIPPED WITH DIVERTER VALVE, HOSE CONNECTION BACKFLOW PREVENTER – NIDEL MODEL 37 HF, ASSE 1052 APPROVED, LEAD FREE.
KS–1	HAND WASH SINK	TO BE SUPPLIED BY FOOD SERVICE CONTRACTOR.	1/2"	1/2"	2"	2"	FIELD ROUTE ALL REQUIRED PLUMBING SERVICES TO FIXTURE AND CONNECT. PLUMBING CONTRACTOR TO INSTALL AND MAKE ALL FINAL CONNECTIONS. SUPPLY ALL REQUIRED HARDWARE/ACCESSORIES (P–TRAP, TAIL PIECE, STOPS, SUPPLY LINES, ETC.) TO ACCOMMODATE INSTALLATION OF PLUMBING FIXTURE. ALL HARDWARE USED TO ATTACH FIXTURE SHALL BE STAINLESS STEEL, NO EXCEPTION. PROVIDE AND INSTALL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE UNDER EACH LAVATORY, LAWLER MODEL TMM–1070 (OR APPROVED EQUAL).
KS–2	KITCHEN SINK (DOUBLE–COMP.)	TO BE SUPPLIED BY FOOD SERVICE CONTRACTOR.	3/4"	3/4"	4"	2"	FIELD ROUTE ALL REQUIRED PLUMBING SERVICES TO FIXTURE AND CONNECT. PLUMBING CONTRACTOR TO INSTALL AND MAKE ALL FINAL CONNECTIONS. SUPPLY ALL REQUIRED HARDWARE/ACCESSORIES (P–TRAP, TAIL PIECE, STOPS, SUPPLY LINES, ETC.) TO ACCOMMODATE INSTALLATION OF PLUMBING FIXTURE. ALL HARDWARE USED TO ATTACH FIXTURE SHALL BE STAINLESS STEEL, NO EXCEPTION.
KS–3	KITCHEN SINK (TRIPLE–COMP.)	TO BE SUPPLIED BY FOOD SERVICE CONTRACTOR.	3/4"	3/4"	4"	2"	FIELD ROUTE ALL REQUIRED PLUMBING SERVICES TO FIXTURE AND CONNECT. PLUMBING CONTRACTOR TO INSTALL AND MAKE ALL FINAL CONNECTIONS. SUPPLY ALL REQUIRED HARDWARE/ACCESSORIES (P–TRAP, TAIL PIECE, STOPS, SUPPLY LINES, ETC.) TO ACCOMMODATE INSTALLATION OF PLUMBING FIXTURE. ALL HARDWARE USED TO ATTACH FIXTURE SHALL BE STAINLESS STEEL, NO EXCEPTION.
KMS–1	KITCHEN MOP SINK	TO BE SUPPLIED BY FOOD SERVICE CONTRACTOR.	3/4"	3/4"	2"	2"	FIELD ROUTE ALL REQUIRED PLUMBING SERVICES TO FIXTURE AND CONNECT. PLUMBING CONTRACTOR TO INSTALL AND MAKE ALL FINAL CONNECTIONS. SUPPLY ALL REQUIRED HARDWARE/ACCESSORIES (P–TRAP, TAIL PIECE, STOPS, SUPPLY LINES, ETC.) TO ACCOMMODATE INSTALLATION OF PLUMBING FIXTURE. ALL HARDWARE USED TO ATTACH FIXTURE SHALL BE STAINLESS STEEL, NO EXCEPTION.

GENERAL NOTES:

1. SINKS TO MEET ADA STANDARDS, MIN. CLEARANCE 29" FROM FLOOR TO BOTTOM OF APRON. EXPOSED DRAIN AND WATER PIPING UNDER SINK SHALL NOT INTERFERE W/ REQUIRED KNEE CLEARANCE AND BE COVERED WITH TWO–PIECE, SNAP–ON, PVC INSULATED COVERS, TRUEBRO "HANDI LAV–GUARD", PLUMBEREX 3000, OR APPROVED EQUAL.
2. ANY AND ALL MANUFACTURERS AND OR MODEL NUMBERS NOT LISTED IN PLUMBING SCHEDULES ARE TO BE SUBMITTED TO ARCHITECT & ENGINEER FOR PRIOR APPROVAL. ALL PRIOR APPROVAL SUBMITTALS ARE TO INCLUDE MODEL NUMBERS AND CUT SHEET. SUBMITTALS THAT DO NOT INCLUDING CUT SHEETS WILL NOT BE APPROVED.
3. ALL MODEL NUMBERS SPECIFIED MAY NOT NECESSARILY INCLUDE ALL OPTIONS LISTED WITHIN SPECIFICATION SECTION. THIS DOES NOT EXEMPT THE CONTRACTOR FROM EXCLUDING SUCH OPTIONS AS LISTED WITHIN THE SPECIFICATION SECTION.
4. HARDWARE (CARRIAGE BOLTS, ETC.) USED TO ATTACHED ALL PLUMBING FIXTURES IS TO BE STAINLESS STEEL, NO EXCEPTION. PROVIDE SUBMITTAL TO ARCHITECT PRIOR TO INSTALLATION.
5. APPROVED MANUFACTURERS (NAME BRAND ONLY, SEE NOTE #3): MOEN, ZURN, CHICAGO, SLOAN, BRADLEY, KOHLER, MANSFIELD, CENTOCO, MIFAB, WATTS, AMERICAN STANDARD, ACORN, FLORESTONE, WILKINS, JR SMITH, MUSTEE, GERBER, RHEEM, SYMMONS, HAMILTON.
6. WALL MOUNTED LAVATORIES SHALL BE EQUIPPED WITH MOLDED TRUEBRO LAV–SHIELD (OR APPROVED EQUAL) PROTECTIVE LAVATORY ENCLOSURE. ALL OTHER LAVATORY P–TRAPS & SUPPLIES SHALL BE COVERED WITH TWO–PIECE, SNAP–ON, PVC INSULATED COVERS, TRUEBRO "HANDI LAV–GUARD", PLUMBEREX 3000, OR APPROVED EQUAL.
7. ALL FLOOR DRAINS, FLOOR SINKS, & INTERIOR SEWER CLEANOUTS TO HAVE SQUARE TOP/COVER.

DOMESTIC WATER HEATER SCHEDULE (GAS FIRED)

NO.	NOMINAL CAPACITY (GALLONS)	BTU INPUT	RECOV. GPH 80° RISE	GAS CONN.	K.W.	ELEC. SERV.	EXHAUST	MANUFACTURER
WH–1A,1B	100	399,900	570	1"	–	120/1/60	4"	RHEEM TRITON MODEL GHE100SU–400(A), OR PRIOR APPROVED EQUAL.

GENERAL NOTES:

1. ALL WATER HEATERS (ENTIRE WATER HEATER) ARE TO BE ASME CERTIFIED, NOT JUST TANKS. INCLUDING ALL T&P RELIEF VALVES.
2. VERIFY ALL SERVICE CLEARANCES AROUND EQUIPMENT PRIOR TO INSTALLATION.
3. WATER HEATERS TO BE EQUIPPED WITH CONDENSATE NEUTRALIZATION KIT.

DOMESTIC HOT WATER HEATER SCHEDULE

NO.	NOMINAL CAPACITY (GALLONS)	MBTU OUTPUT	RECOV. GPH 80° RISE	GAS CONN.	K.W.	ELEC. SERV.	FLUE SIZE	MANUFACTURER
WH–2,3	36	–	30	–	6	240/1/60	–	AO SMITH MODEL DEL–30, OR APPROVED EQUAL.

GENERAL NOTES:

1. ALL WATER HEATERS (ENTIRE WATER HEATER) ARE TO BE ASME CERTIFIED, NOT JUST TANKS. INCLUDING ALL T&P RELIEF VALVES.
2. VERIFY ALL SERVICE CLEARANCES AROUND EQUIPMENT PRIOR TO INSTALLATION.

THERMOSTATIC MIXING VALVE SCHEDULE

MARK	LOCATION	MINIMUM FLOW (GPM)	FLOW RATE (GPM) @ 5PSI PRESSURE DROP	FLOW RATE (GPM) @ 10PSI PRESSURE DROP	INLET SIZES	OUTLET SIZE	MANUFACTURER
TMV–1	SEE DRAWINGS	1 GPM	26 GPM	40 GPM	1"	1–1/4"	LEONARD MODEL TM–186–820B–LF–RF–STSTL–EXP, OR PRIOR APPROVED EQUAL
TMV–2,3	SEE DRAWINGS	1 GPM	11 GPM	16 GPM	3/4"	3/4"	LEONARD MODEL XL–32A–LF–BDT–IT, OR PRIOR APPROVED EQUAL

GENERAL NOTES:

1. TMV TO BE HIGH/LOW THERMOSTATIC MIXING VALVES.
2. THERMOSTATIC MIXING VALVE TO BE PROVIDED WITH EXPOSED STAINLESS STEEL CABINETS, PIANO HINGED DOORS AND BE LOCKABLE.
3. UNIT TO BE PROVIDED WITH WALL MOUNTING BRACKETS, VACUUM BREAKERS, TOP SUPPLIES, ADJUSTABLE HIGH TEMPERATURE LIMIT STOP, INLET CHECKSTOPS, OUTLET BALL VALVE, COLOR CODED DIAL THERMOMETER (0°F–140°F), INLET MANIFOLD PIPING, LOCKING TEMPERATURE REGULATOR, AND BE FACTORY ASSEMBLED AND TESTED.
4. ALL TMV TO ASSE 1017 COMPLIANT.
5. ALL TMV TO HAVE 1 GPM MINIMUM FLOW.
6. ALL TMV TO BE LEAD–FREE TYPE.
7. ALL TMV TO CSA CERTIFIED.

DOMESTIC HOT WATER CIRCULATING PUMP SCHEDULE

MARK	SERVICE	GPM	TDH (FT.)	RPM	WATTS	ELECTRIC	MANUFACTURER
CP–1,2,3	DOMESTIC HOT WATER	5	34'	830–4300	170	120/1/60	TACO 0034eP–SF2 SERIES, OR PRIOR APPROVED EQUAL.

GENERAL NOTES:

1. PUMP TO BE ALL STAINLESS STEEL CONSTRUCTION SUITABLE FOR DOMESTIC WATER USE (LEAD FREE, NSF 61 & 372 COMPLIANT).
2. TO BE CONTROLLED BY AQUASTAT WITH TIMER (TACO MODEL 563–2 OR PRIOR APPROVED EQUAL) IN RETURN WATER PIPING.
3. PUMP SHALL BE HIGH PERFORMANCE, VARIABLE SPEED, WET–ROTOR CIRCULATOR WITH HIGH–EFFICIENCY ECM PERMANENT MAGNET TECHNOLOGY.
4. PUMP CONTROL COVER SHALL HAVE THE ABILITY TO BE ROTATED AS TO ALLOW FOR PUMP MOUNTING IN VARIOUS ORIENTATIONS.
5. PUMP SHALL HAVE THE FOLLOWING OPERATING MODES: 0–10V, HIGH, MEDIUM, LOW, & ACTIVEADAPT (CIRCULATOR SHALL HAVE THE ABILITY TO SENSE CHANGES IN SYSTEM FLOW AND HEAD CONDITIONS AND ADJUST THE OPERATING CURVE AUTOMATICALLY).
6. PUMP TO HAVE DIGITAL LED DISPLAY CONTROLLER FOR EASY PROGRAMMING AND DIAGNOSTIC FEEDBACK.
7. PUMP SHALL HAVE OF MEANS OF DISCONNECT, COORDINATE WITH ELECTRICAL DRAWINGS.
8. PUMP TO BE FURNISHED WITH CORD AND PLUG.

WATER FILTER SCHEDULE

MARK	MANUFACTURER & MODEL NO.	LOCATION	TYPE	HORIZONTAL OR VERTICAL	FLOW RATE (GPM)	OVERALL DIMENSIONS (DxH)	OPERATING WEIGHT (LBS)	REMARKS
OF–1	WATTS ONE FLOW – OF120–2	ICE MACHINES	ANTI–SCALE SYSTEM	VERTICAL	2	6"x15"	8	1

GENERAL NOTES:

1. PROVIDE WITH 1/2" INLET AND 1/2" OUTLET CONNECTIONS.

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

STATE OF LOUISIANA
HENRY C. EYRE, III
REG. NO. 33333
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CIVIL ENGINEERING

PLUMBING SCHEDULES & RISER DIAGRAMS
PROFESSIONAL OF RECORD
REVISIONS

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TRAP PRIMERS

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VENTS THRU ROOF

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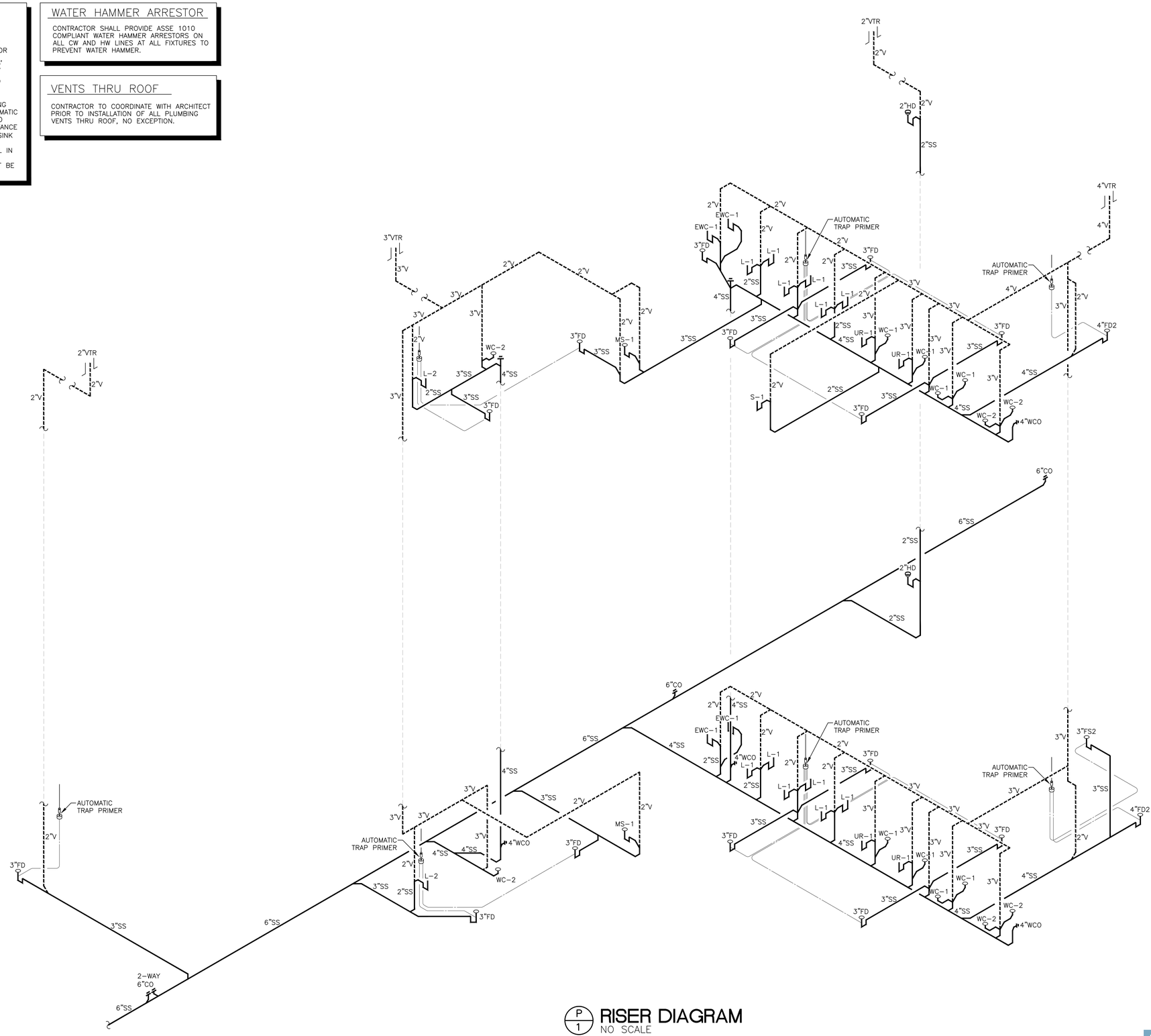

P/1 RISER DIAGRAM
NO SCALE

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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

REVISIONS

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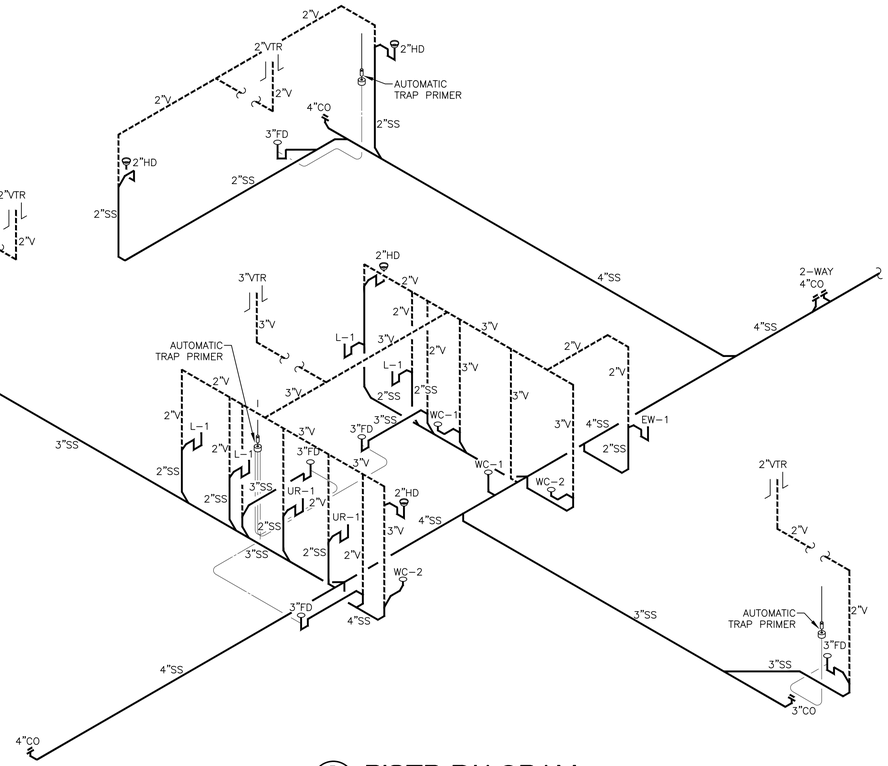

P/2 RISER DIAGRAM
NO SCALE

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DATE 10.19.26

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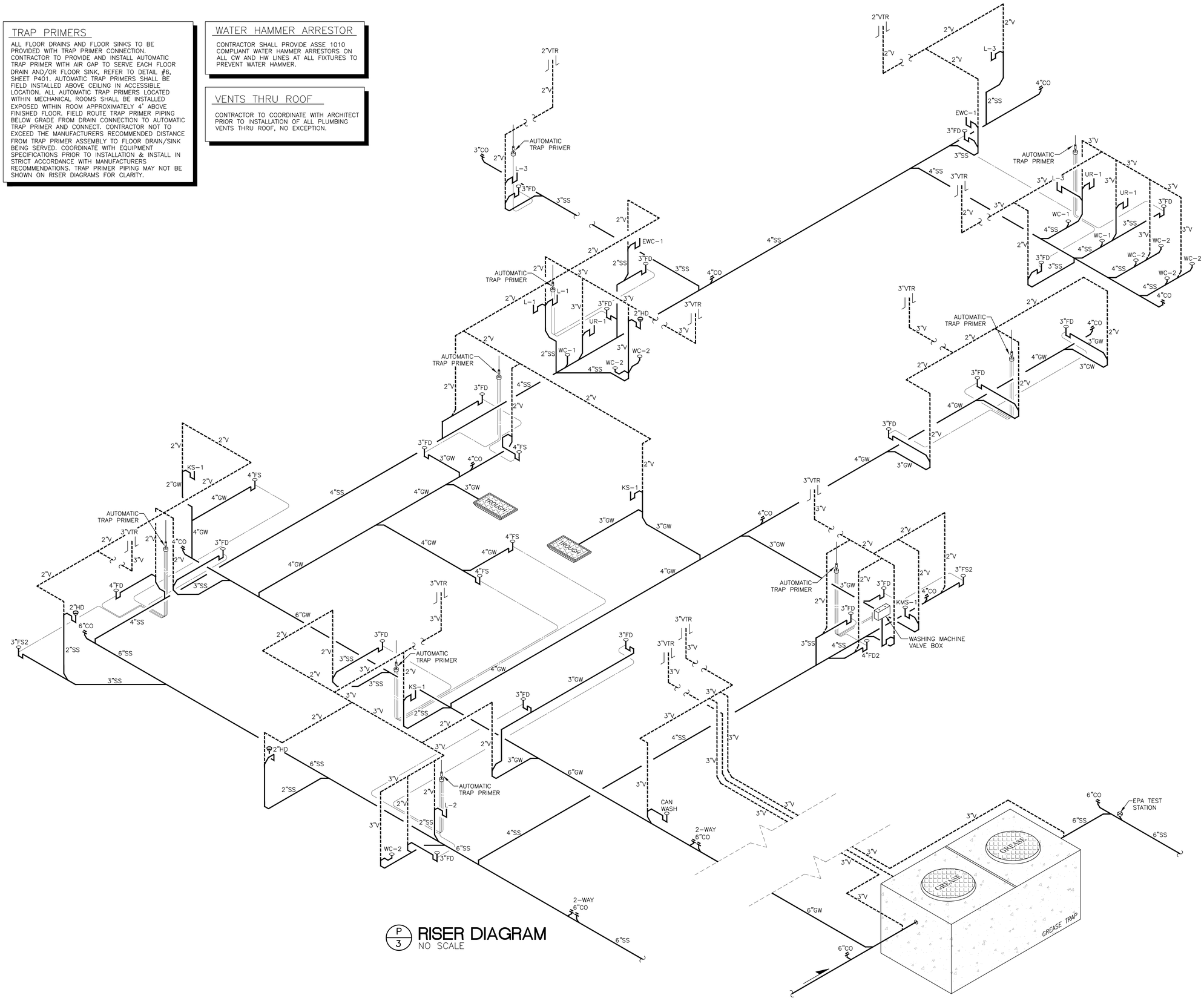

P/3 RISER DIAGRAM
NO SCALE

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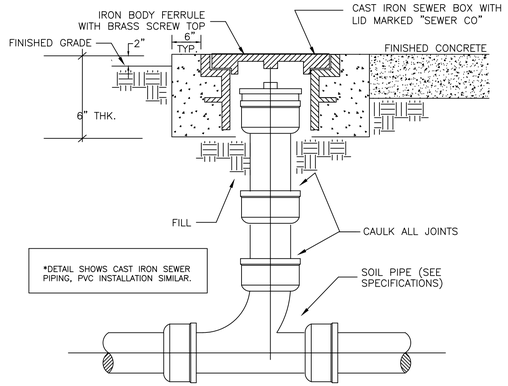
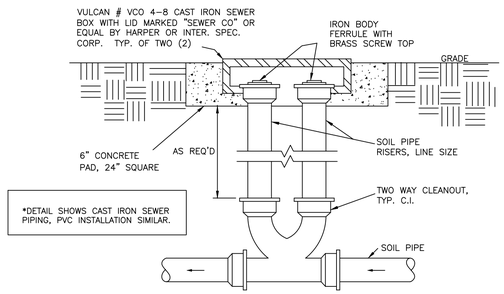


1 DETAIL - EXTERIOR CLEANOUT
NTS



2 DETAIL - 2-WAY EXTERIOR CLEANOUT
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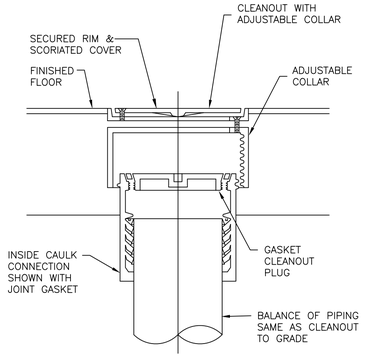

3 DETAIL - FLOOR CLEANOUT
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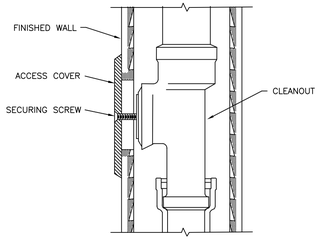
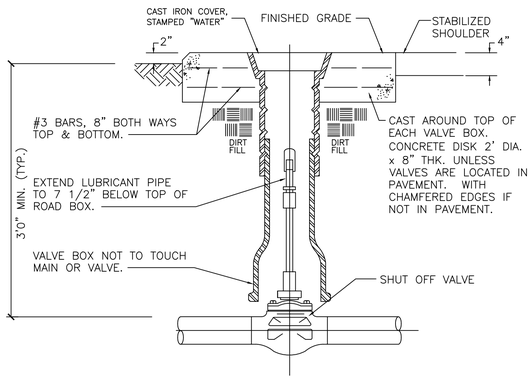
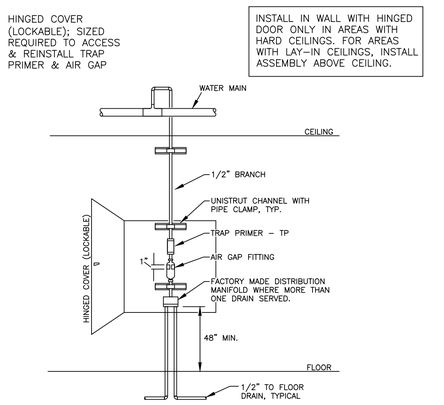


*ALL WALL MOUNTED PLUMBING FIXTURES (WASH STATIONS, WATER COOLERS, ET.) ARE TO HAVE 2" WALL CLEAN OUT WITH CHROME PLATED COVER AS TO CLEAN SANITARY SEWER BRANCH LINE OUT WITHOUT REMOVING FIXTURE.

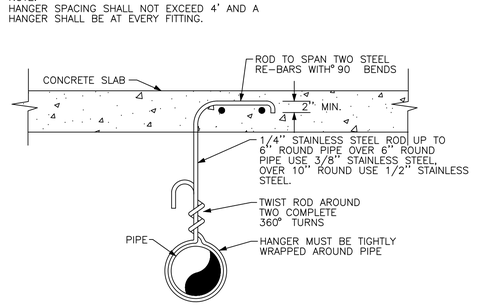
4 DETAIL - WALL CLEANOUT
NTS



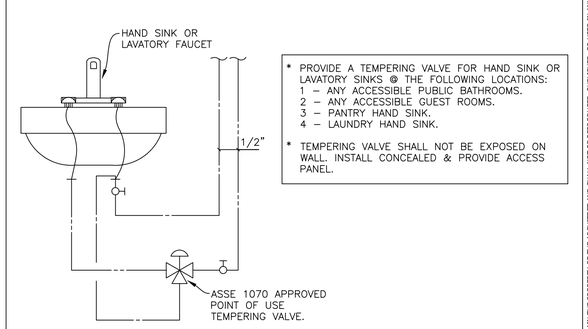
5 DETAIL - EXTERIOR WATER SHUT OFF VALVE
NTS



6 DETAIL - AUTOMATIC TRAP PRIMER
NTS



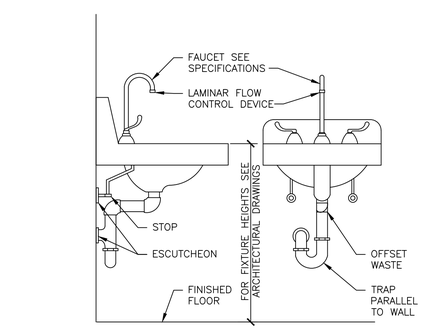
7 DETAIL - STAINLESS STEEL PIPE HANGERS
NTS



* PROVIDE A TEMPERING VALVE FOR HAND SINK OR LAVATORY SINKS @ THE FOLLOWING LOCATIONS:
1 – ANY ACCESSIBLE PUBLIC BATHROOMS.
2 – ANY ACCESSIBLE GUEST ROOMS.
3 – PANTRY HAND SINK.
4 – LAUNDRY HAND SINK.

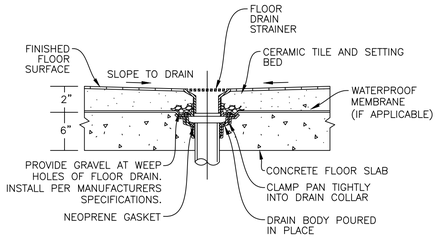
* TEMPERING VALVE SHALL NOT BE EXPOSED ON WALL. INSTALL CONCEALED & PROVIDE ACCESS PANEL.

8 DETAIL - TEMPERING VALVE INSTALLATION
NTS

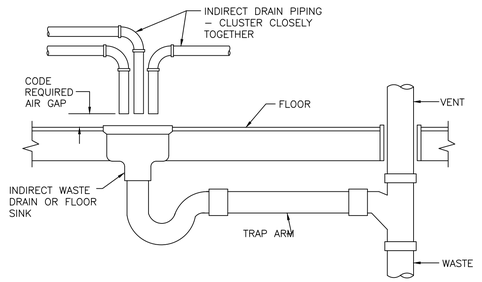


GENERAL NOTES:
1. PROVIDE OFFSET WASTE AT ALL ADA COMPLIANT LAVATORIES & SINKS.
2. LAVATORY SHOWN IN DETAIL, DETAIL TYPICAL OF BOTH LAVATORIES & SINKS.

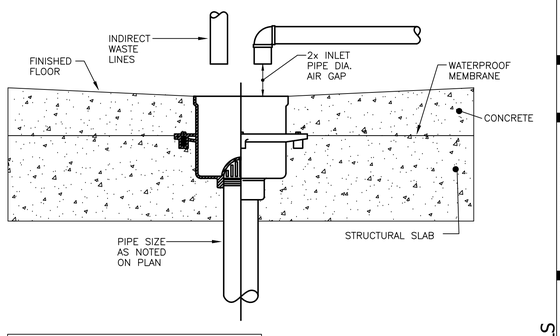
9 DETAIL - PLUMBING FIXTURE P-TRAP OFF-SET
NTS



10 DETAIL - FLOOR DRAIN INSTALLATION
NTS



11 DETAIL - INDIRECT WASTE
NTS



NOTE: INDIRECT WASTE PIPING EXCEEDING 5' IN LENGTH SHALL BE TRAPPED WITH THE EXCEPTION OF CLEAR WATER WASTES.

12 DETAIL - FLOOR SINK
NTS

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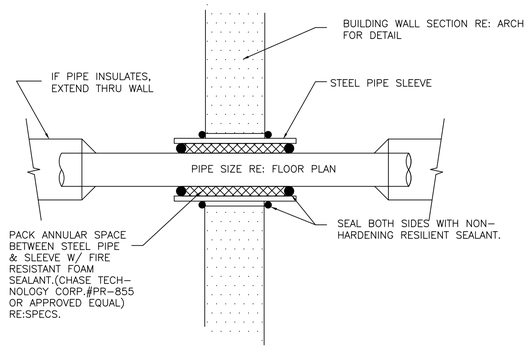
REVISIONS

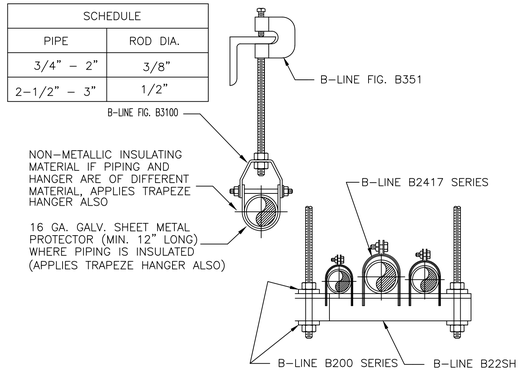
PLUMBING DETAILS

SHEET No. P401



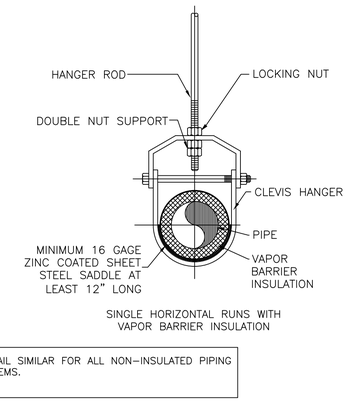
1 DETAIL - PIPE PENETRATION THRU WALL
NTS

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



NOTE: PIPING TO BE SUPPORTED ON 4'0" CENTERS AND AT ALL TURNS

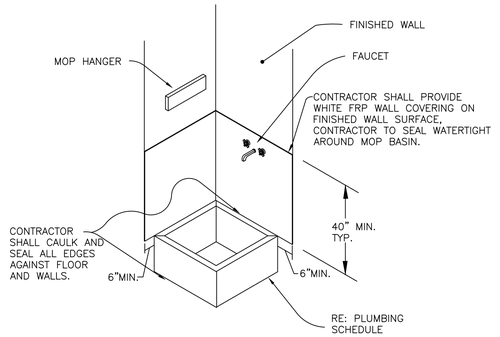
2 DETAIL - PIPE SUPPORTS
NTS



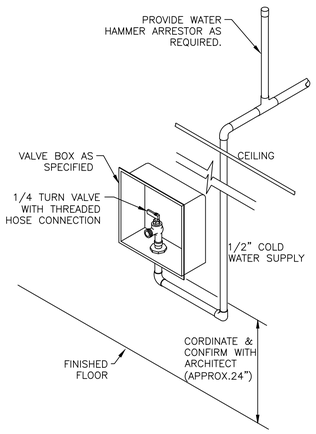
SINGLE HORIZONTAL RUNS WITH VAPOR BARRIER INSULATION

*DETAIL SIMILAR FOR ALL NON-INSULATED PIPING SYSTEMS.

3 DETAIL - CLEVIS HANGER
NTS



4 DETAIL - MOP SINK
NTS



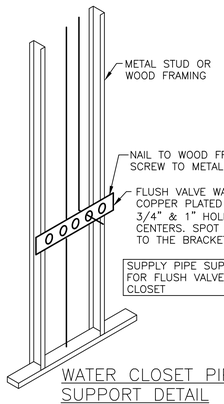
REFRIGERATOR & ICE MACHINE VALVE BOX (FIRE RATED)

A. VALVE BOX SHALL BE FULLY RECESSED FLUSH MOUNTED TYPE CONSTRUCTED OF BULK MOLDING COMPOUND (BMC) WITH UL-CLASSIFIED INTUMESCENT PADS AND UL-CLASSIFIED FYREWRAP INSULATING MATERIAL. BOX TO BE 2 HOUR FIRE RATED. VALVE SHALL COMPLY WITH NSF/ANSI 372 (ANNEX G). VALVE TO BE LOW-LEAD TYPE. VALVE BOX TO HAVE NAIL SUPPORT BRACKETS WITH SCREW-ON FACEPLATE FRAME. VALVE TO BE 1/4 TURN. SUPPLY CONNECTION SHALL BE 1/2" COPPER SWEAT CONNECTION. PROVIDE WITH WATER HAMMER ARRESTOR (ASSE 1010 COMPLIANT).
B. MANUFACTURER: OATEY MODEL 38490, GUY GRAY MODEL 82417
C. PROVIDE WITH 1/2" X 1/4" O.D. TUBE, CHROME PLATED FIXTURE SUPPLY STOP. LEAVE 60" COIL OF 1/4" O.D. TYPE "K" SOFT COPPER FOR EQUIPMENT CONNECTION (CARBONATED BEVERAGE MACHINE TO BE CONNECTED WITH PLASTIC TUBING IN LIEU OF COPPER).
D. PROVIDE WITH WATTS SD3 IN-LINE BACK FLOW PREVENTER (ASSE 1022 COMPLIANT) ON SUPPLY TUBING TO EQUIPMENT. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
E. THE FOLLOWING INSTALLATION HEIGHTS ARE RECOMMENDATION ONLY, COORDINATE WITH A4RCHITECT ON ALL MOUNTING HEIGHTS PRIOR TO INSTALLATION:
E.A. FOR FREE STANDING REFRIGERATOR WITH ICE MAKER: INSTALL BOX AT 54" A.F.F.
E.B. FOR UNDER COUNTER REFRIGERATOR ICE MAKER:INSTALL BOX AT 18" A.F.F.

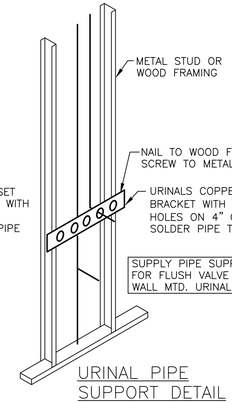
5 DETAIL - VALVE BOX (REFRIGERATOR/ICE MACHINE/COFFEE)
NTS

GENERAL NOTES:

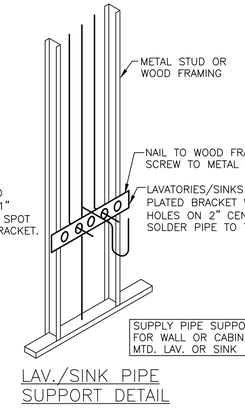
1. COPPER PLATED BRACKET SUPPORTS TO BE BY HOLDRITE OR PRIOR APPROVED EQUAL.
2. CONTRACTOR TO PROVIDE PIPE SUPPORTS FOR ALL DOMESTIC COLD/HOT WATER PIPING DROPS WITHIN WALLS TO FIXTURES/EQUIPMENT. PIPE CLAMP TO BE ANVIL CT-138R COPPER PLATED SPLIT TUBING CLAMP, PROVIDE 3/8" THREADED ROD AS REQUIRED TO NEAREST WALL FRAMING MEMBER, PROVIDE 3/8" FEMALE THREADED ROD ZINC-PLATED BASEPLATE (ANVIL 128R) FASTENED TO WALL FRAMING MEMBER. PROVIDE A MINIMUM OF ONE (1) SUPPORT ASSEMBLY AT EACH DROP IN ADDITION TO COPPER PLATED HOLDRITE SYSTEM.



WATER CLOSET PIPE SUPPORT DETAIL



URINAL PIPE SUPPORT DETAIL

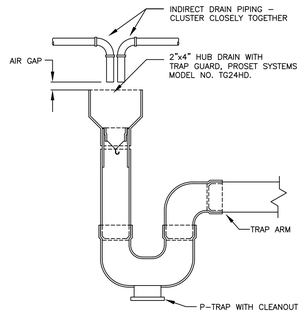


LAV./SINK PIPE SUPPORT DETAIL

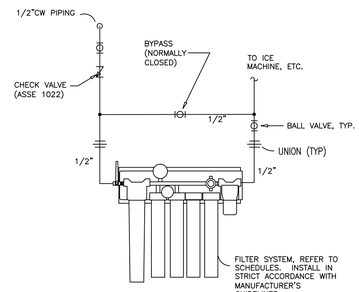
6 DETAIL - VALVE BOX (REFRIGERATOR/ICE MACHINE/COFFEE)
NTS

GENERAL NOTES:

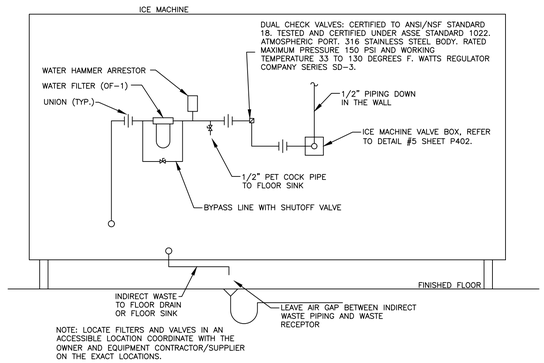
1. HUB DRAIN TO COME WITH PROTECTIVE CAP AND 2" TRAP GUARD BUILT IN TO HANDLE UP TO 12 GPM.
2. INSTALLATION TYPICAL TO ANY HUB DRAIN ASSEMBLY, PLASTIC OR CAST IRON PIPE.
3. PLUMBING CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR ON EXACT INSTALLATION HEIGHT AS TO GRAVITY FLOW CONDENSATE DRAIN PIPING FROM EVAPORATOR COIL.
4. DO NOT CONTACT FLEXIBLE MATERIAL WITH PRIMER OR SOLVER CEMENT.
5. USE PROSET E-Z FLEX COUPLING CONNECTION FOR CAST IRON PIPING.
6. INSPECT TRAP GUARD FOR DEBRIS AND FLUSH WITH CLEAR, WARM WATER PRIOR TO JOB COMPLETION.
7. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION.



7 DETAIL - HUB DRAIN INSTALLATION
NTS



8 DETAIL - WATER FILTER INSTALLATION SCHEMATIC
NTS



NOTE: LOCATE FILTERS AND VALVES IN AN ACCESSIBLE LOCATION COORDINATE WITH THE OWNER AND EQUIPMENT CONTRACTOR/SUPPLIER ON THE EXACT LOCATIONS.

9 DETAIL - ICE MACHINE PIPING SCHEMATIC
NTS

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PROJECT No. 2412

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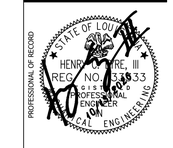
LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

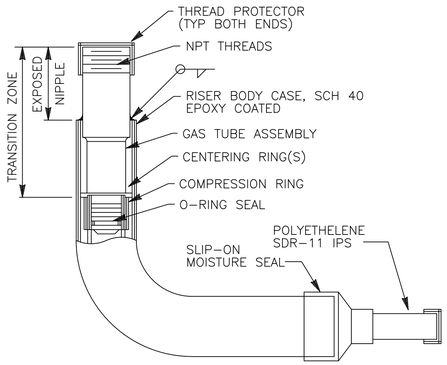
PROFESSIONAL OF RECORD



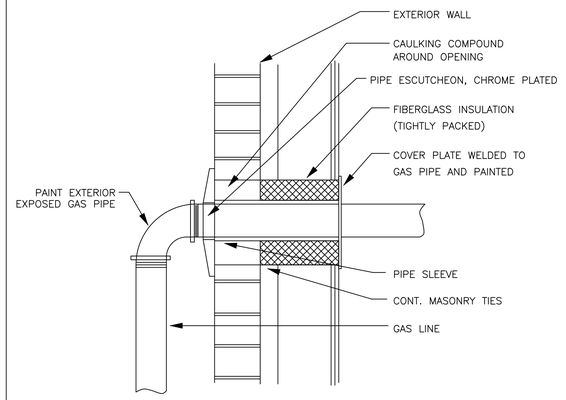
REVISIONS

PLUMBING DETAILS

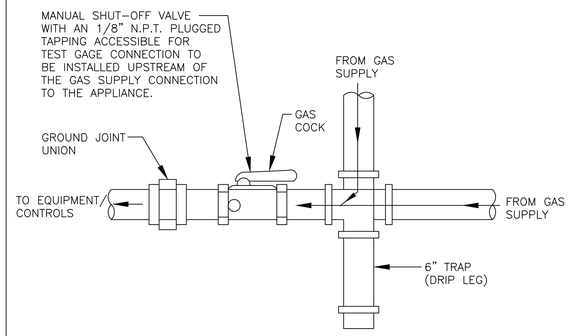
SHEET No. P402



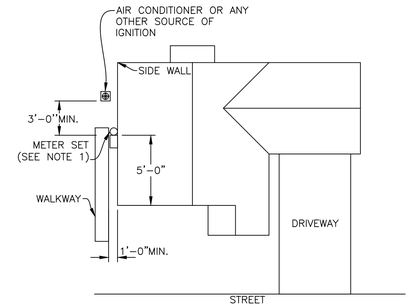
1 DETAIL - ANODELESS GAS METER RISER
NTS



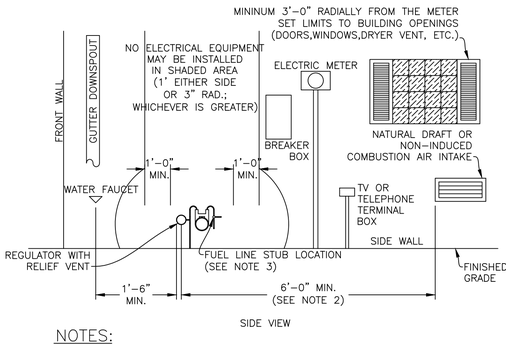
2 DETAIL - GAS PIPE ENTRY
NTS



3 DETAIL - GAS CONNECTION TO EQUIPMENT
NTS



TOP VIEW

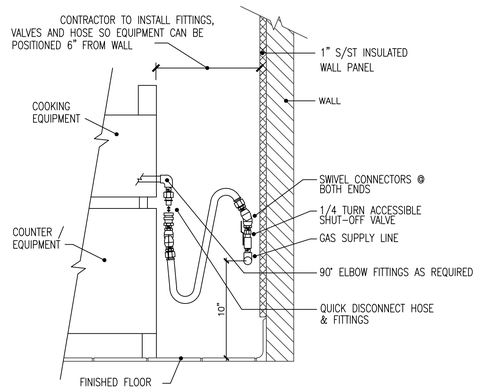


SIDE VIEW

NOTES:

1. METER SET SHOULD BE INSTALLED ON SIDE OF BUILDING OPPOSITE THE DRIVEWAY.
2. THE MINIMUM CLEARANCE FOR A MECHANICALLY INDUCED COMBUSTION AIR INTAKE IS 20'.
3. THE FUEL LINE SHOULD TERMINATE 2'-0" ABOVE FINISHED GRADE (MUD LINE) AND PROJECT 2 INCHES FROM THE FINISHED WALL.
4. IF ANY OF THE ABOVE MENTIONED CLEARANCES CANNOT BE MET THE DETAILS SHOULD BE COORDINATED WITH A REPRESENTATIVE OF THE COMPANY.

7 DETAIL - GAS SERVICE INSTALLATION REQUIREMENTS
NTS



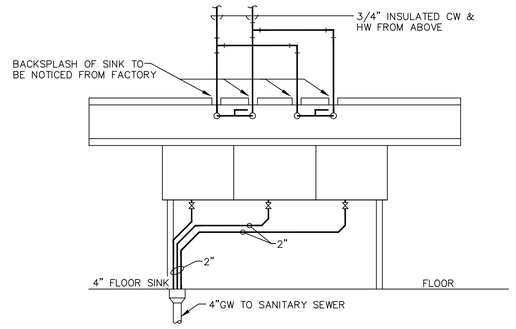
GENERAL NOTES:
1. PROVIDE FLEXIBLE GAS PIPING FOR ALL COOKING EQUIPMENT.
2. PROVIDE QUICK DISCONNECT FITTING, SUITABLE FOR USE WITH NATURAL GAS, AT EACH PIECE OF COOKING EQUIPMENT.
3. PROVIDE ADDITIONAL VENTLESS GAS REGULATORS AT EACH PIECE OF EQUIPMENT WHERE REQUIRED GAS PRESSURE IS LOWER THAN SUPPLIED GAS PRESSURE.

4 DETAIL - FLEX GAS PIPE QUICK DISCONNECT
NTS

SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE
1/2"	A	1 – 11	5"	1/2"
3/4"	B	12 – 32	5"	3/4"
1"	C	33 – 60	7"	1"
1-1/4"	D	61 – 113	7"	1-1/4"
1-1/2"	E	114 – 154	9"	1-1/2"
2"	F	155 – 330	9"	2"

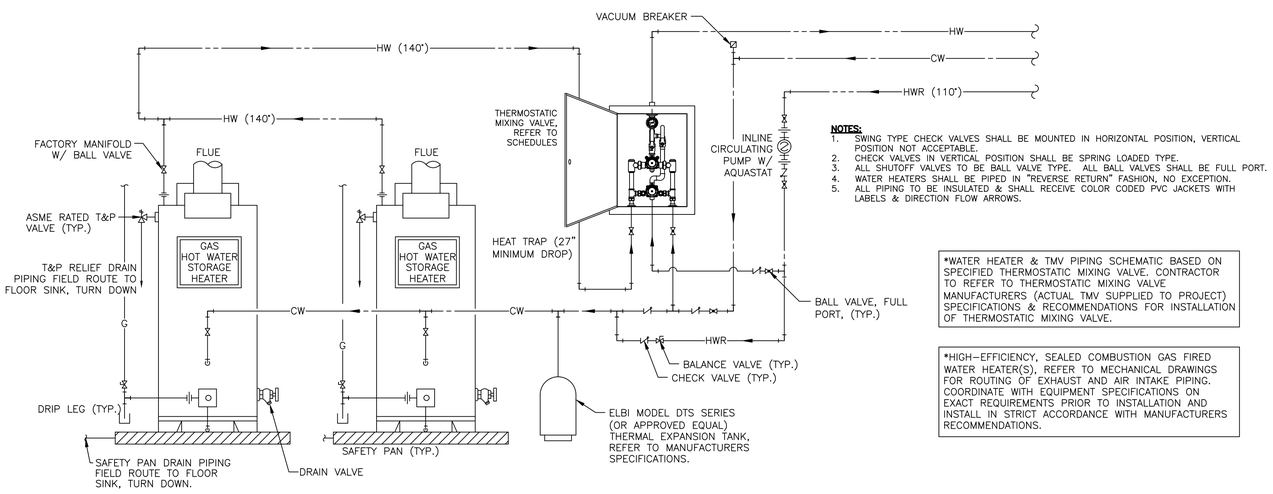
*PROVIDE HINGED COVER (LOCKABLE) ACCESS PANEL FOR ALL WATER HAMMER ARRESTOR INSTALLED WITHIN INACCESSIBLE WALLS. COORDINATE LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.

5 DETAIL - WATER HAMMER ARRESTOR
NTS



GENERAL NOTES:
1. DOUBLE COMPARTMENT SINK SIMILIAR.
2. PROVIDE BALL VALVE ON OUTLET PIPING OF EACH COMPARTMENT IF INTEGRAL COMPARTMENT SHUTOFF IS NOT SUPPLIED BY TRIPLE COMPARTMENT SINK MANUFACTURER.
3. ALL EXPOSED DRAINAGE PIPING SHALL BE COPPER.

6 DETAIL - TRIPLE COMPARTMENT SINK
NTS

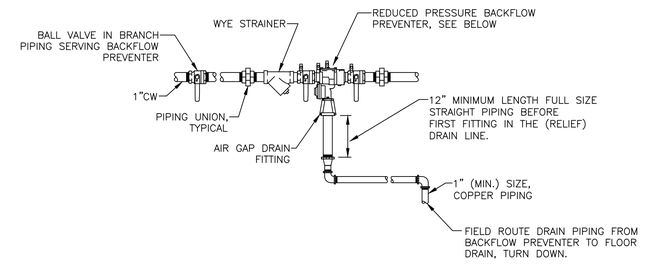


NOTES:
1. SWING TYPE CHECK VALVES SHALL BE MOUNTED IN HORIZONTAL POSITION, VERTICAL POSITION NOT ACCEPTABLE.
2. CHECK VALVES IN VERTICAL POSITION SHALL BE SPRING LOADED TYPE.
3. ALL SHUTOFF VALVES TO BE BALL VALVE TYPE. ALL BALL VALVES SHALL BE FULL PORT.
4. WATER HEATERS SHALL BE PIPED IN "REVERSE RETURN" FASHION, NO EXCEPTION.
5. ALL PIPING TO BE INSULATED & SHALL RECEIVE COLOR CODED PVC JACKETS WITH LABELS & DIRECTION FLOW ARROWS.

*WATER HEATER & TMV PIPING SCHEMATIC BASED ON SPECIFIED THERMOSTATIC MIXING VALVE. CONTRACTOR TO REFER TO THERMOSTATIC MIXING VALVE MANUFACTURERS (ACTUAL TMV SUPPLIED TO PROJECT) SPECIFICATIONS & RECOMMENDATIONS FOR INSTALLATION OF THERMOSTATIC MIXING VALVE.

*HIGH-EFFICIENCY, SEALED COMBUSTION GAS FIRED WATER HEATER(S), REFER TO MECHANICAL DRAWINGS FOR ROUTING OF EXHAUST AND AIR INTAKE PIPING. COORDINATE WITH EQUIPMENT SPECIFICATIONS ON EXACT REQUIREMENTS PRIOR TO INSTALLATION AND INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

8 DETAIL - GAS FIRED WATER HEATER (WH-1A, WH-1B)
NTS



GENERAL NOTES:
1. REFER TO SPECIFICATION 221000.
2. CONTRACTOR TO TEST ALL BACKFLOW PREVENTERS IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE (CURRENT EDITION) & IN ACCORDANCE WITH ONE OF THE FOLLOWING STANDARDS: ASSE 5013, ASSE 5015, ASSE 5020, ASSE 5047, ASSE 5048, ASSE 5052, ASSE 5056, CSA B64.10.1, USC'S FCCC & HR'S "MANUAL OF CROSS- CONNECTION CONTROL", OR UFL'S TREEO'S "BACKFLOW PREVENTION – THEORY AND PRACTICE". PROVIDE INITIAL CERTIFICATION (AT PROJECT COMPLETION). INCLUDE CERTIFICATION WITHIN CLOSEOUT DOCUMENTS (O&M MANUALS).

9 DETAIL - BACKFLOW PREVENTER
NTS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
HENRY C. EYRE, III
REG. NO. 33333
PROFESSIONAL ENGINEER
CIVIL ENGINEERING, INC

REVISIONS

PLUMBING DETAILS

SHEET No. P403

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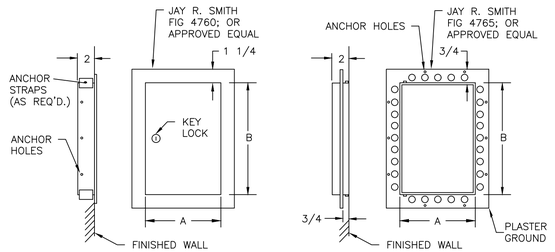
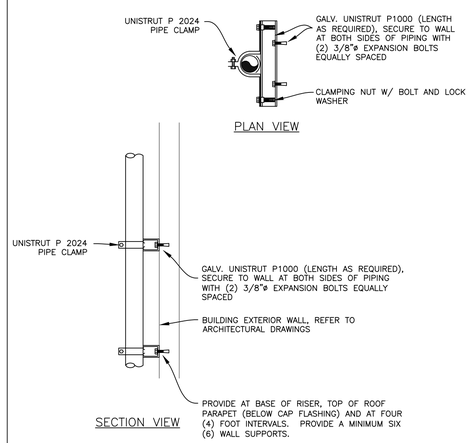


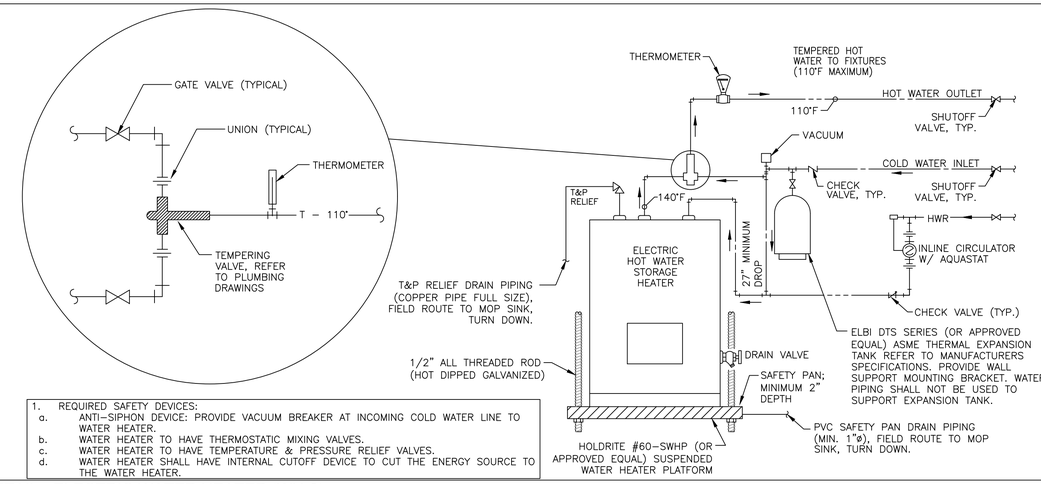
NOTES:

1. MINIMUM SIZE FOR WASTE PIPE CLEANOUT ACCESS DOOR = 12 X 16 ("A" X "B").
2. MINIMUM SIZE FOR DOMESTIC WATER VALVE ACCESS DOOR = 10 X 10 ("A" X "B").
3. ACCESS DOOR TO BE OF PRIME COATED STEEL, UNLESS OTHER WISE NOTED.

1 DETAIL - ACCESS DOOR TYP.
NTS

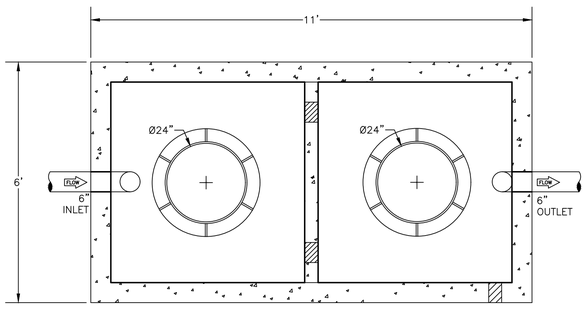


2 DETAIL - EXTERIOR WALL VERTICAL PIPE SUPPORT
NTS

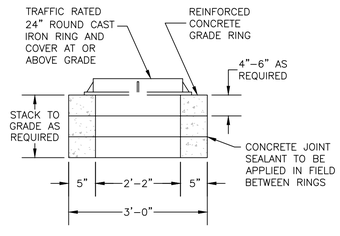


1. REQUIRED SAFETY DEVICES:
   a. ANTI–SIPHON DEVICE: PROVIDE VACUUM BREAKER AT INCOMING COLD WATER LINE TO WATER HEATER.
   b. WATER HEATER TO HAVE THERMOSTATIC MIXING VALVES.
   c. WATER HEATER TO HAVE TEMPERATURE & PRESSURE RELIEF VALVES.
   d. WATER HEATER SHALL HAVE INTERNAL CUTOFF DEVICE TO CUT THE ENERGY SOURCE TO THE WATER HEATER.

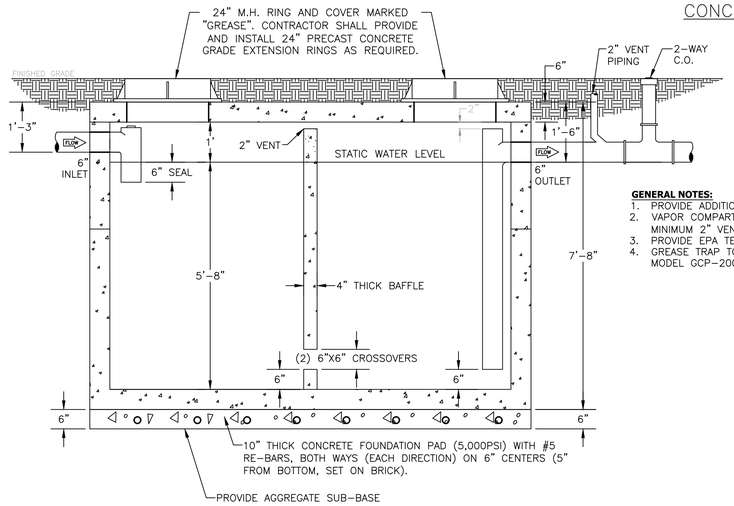
3 DETAIL - ELECTRIC WATER HEATER (WH-2)
NTS



- CONCRETE GRADE RINGS TO BE INSTALLED AS REQUIRED ON ANY ACCESS COVER(S) OF PRECAST CONCRETE GREASE TRAP.
- VERIFY EXACT DIMENSIONS WITH ACTUAL GREASE TRAP.
- CONCRETE GRADE RINGS TO BE PROVIDED BY THE SAME MANUFACTURER OF THE GREASE TRAP.



CONCRETE GRADE RINGS



GENERAL NOTES:

1. PROVIDE ADDITIONAL VENTS AS SHOWN ON DRAWINGS.
2. VAPOR COMPARTMENT TO BE SEPERATED VENTS WITH MINIMUM 2" VENT.
3. PROVIDE EPA TEST STAION AS SHOWN ON DRAWINGS.
4. GREASE TRAP TO BE GAINEYS CONCRETE PRODUCTS MODEL GCP–2000GT OR PRIOR APPROVED EQUAL.

SPECIFICATIONS:

CONCRETE:	CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL. BAFFLE IS SLIDE IN TYPE.
REINFORCEMENT:	GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM A–615 ON REQUIRED CENTERS.
C.I. CASTINGS:	CAST IRON RING & COVER SHALL BE NOMINAL 24" AND TRAFFC DUTY
LINING:	PROVIDE COLD TAR EPOXY COATING (CARBOLINE BITUMASTIC 300M)

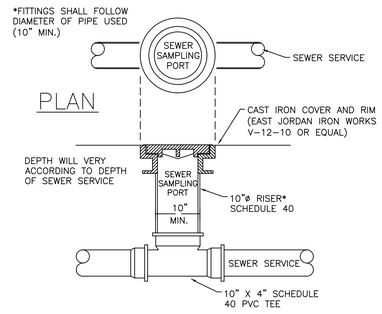
ENGINEERING DATA:

GREASE TRAP IS STRUCTURALLY AND HYDRAULICALLY ENGINEERED CONFORMING TO LOUISIANA DEPARTMENT OF HEALTH & HOSPITALS PLUMBING CODE. NOMINAL LIQUID CAPACITY AS INDICATED ON PLAN.

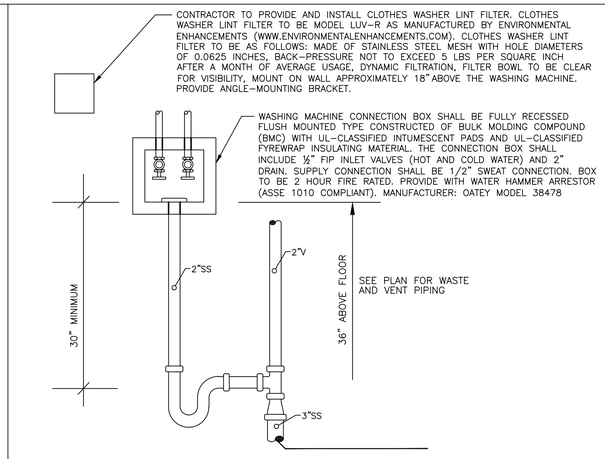
FIELD EXCAVATION AND PREPARATION SHALL BE COMPLETED PRIOR TO DELIVERY OF GREASE TRAP. USE DIMENSIONAL DATA AS SHOWN.

6 DETAIL - 2,000 GALLON CONCRETE GREASE TRAP
NTS

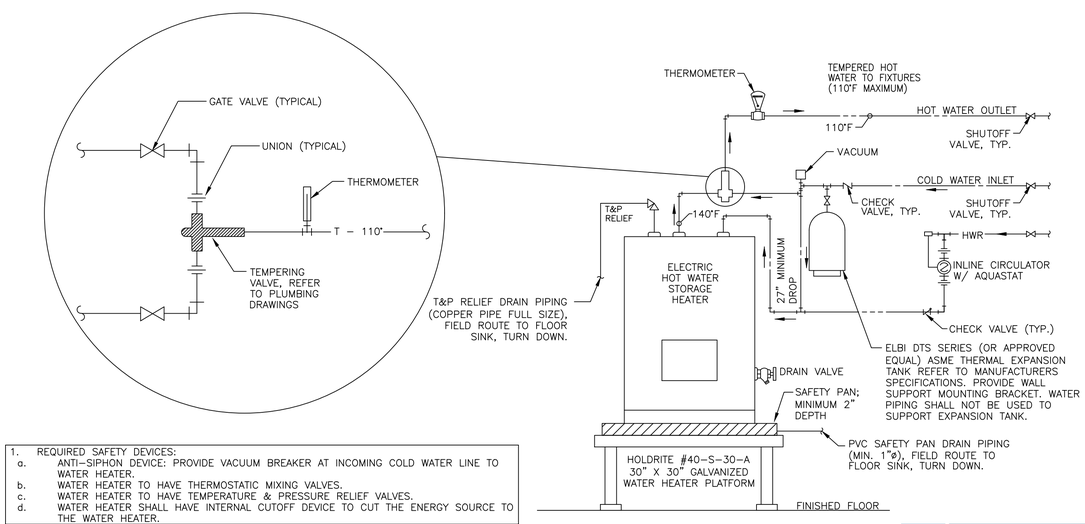
*PROVIDE EPA TEST STATION IN SANITARY SEWER PIPE PRIOR TO PIPING BEING ROUTED TO MUNICIPAL SEWER.



4 DETAIL - EPA TEST TEE
NTS



5 DETAIL - WASHER OUTLET BOX
NTS



1. REQUIRED SAFETY DEVICES:
   a. ANTI–SIPHON DEVICE: PROVIDE VACUUM BREAKER AT INCOMING COLD WATER LINE TO WATER HEATER.
   b. WATER HEATER TO HAVE THERMOSTATIC MIXING VALVES.
   c. WATER HEATER TO HAVE TEMPERATURE & PRESSURE RELIEF VALVES.
   d. WATER HEATER SHALL HAVE INTERNAL CUTOFF DEVICE TO CUT THE ENERGY SOURCE TO THE WATER HEATER.

7 DETAIL - ELECTRIC WATER HEATER (WH-3)
NTS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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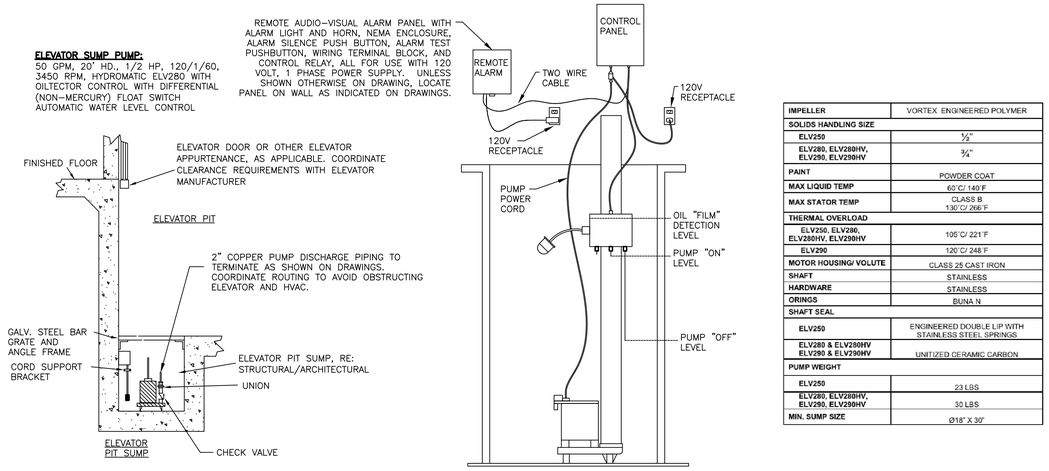
DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

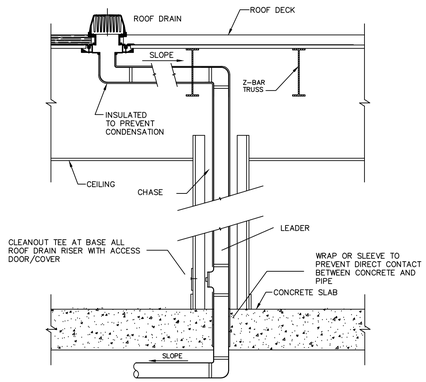
PLUMBING DETAILS

SHEET No. P404



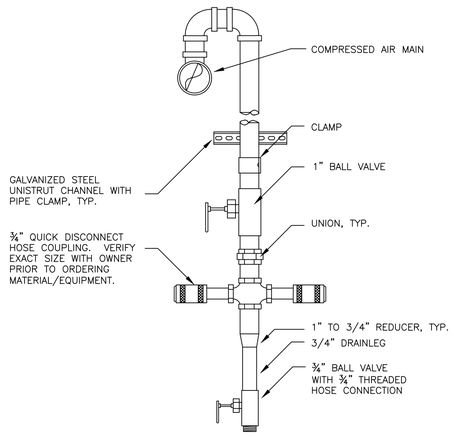
IMPELLER	VORTEX ENGINEERED POLYMER
SOLIDS HANDLING SIZE	
ELV250	½"
ELV280, ELV280HV, ELV290, ELV290HV	¾"
PAINT	POWDER COAT
MAX LIQUID TEMP	60°C/ 140°F
MAX STATOR TEMP	CLASS B 130°C/ 266°F
THERMAL OVERLOAD	
ELV250, ELV280, ELV280HV, ELV290HV	105°C/ 221°F
ELV290	120°C/ 248°F
MOTOR HOUSING/ VOLUTE	CLASS 25 CAST IRON
SHAFT	STAINLESS
HARDWARE	STAINLESS
ORINGS	BUNA N
SHAFT SEAL	
ELV250	ENGINEERED DOUBLE LIP WITH STAINLESS STEEL SPRINGS
ELV280 & ELV280HV ELV290 & ELV290HV	UNITIZED CERAMIC CARBON
PUMP WEIGHT	
ELV250	23 LBS
ELV280, ELV280HV, ELV290, ELV290HV	30 LBS
MIN. SUMP SIZE	Ø18" X 30"

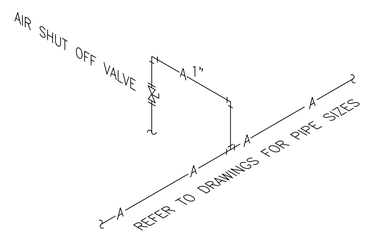
1 DETAIL - ELEVATOR SUMP PUMP WITH OIL-TECTOR
NTS



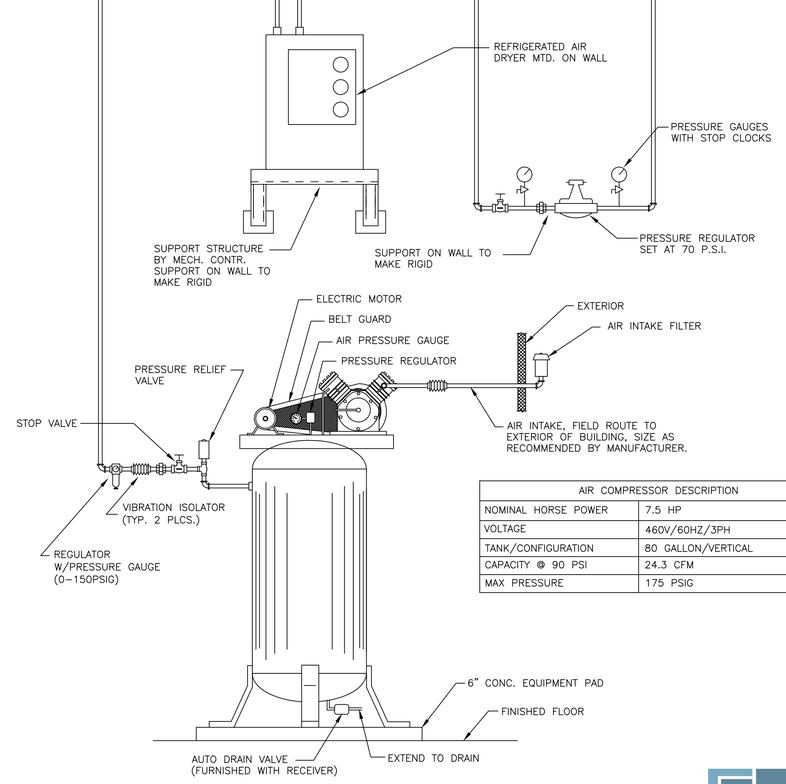
PRIMARY ROOF DRAIN

2 DETAIL - ROOF DRAIN
NTS





3 DETAIL - COMPRESSED AIR LINE DROP WITH SHUT OFF VALVE TO OUTLET
NTS



AIR COMPRESSOR DESCRIPTION	
NOMINAL HORSE POWER	7.5 HP
VOLTAGE	460V/60HZ/3PH
TANK/CONFIGURATION	80 GALLON/VERTICAL
CAPACITY @ 90 PSI	24.3 CFM
MAX PRESSURE	175 PSIG

4 DETAIL - TYPICAL VERTICAL AIR COMPRESSOR & REFRIGERATED AIR DRYER
NTS

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

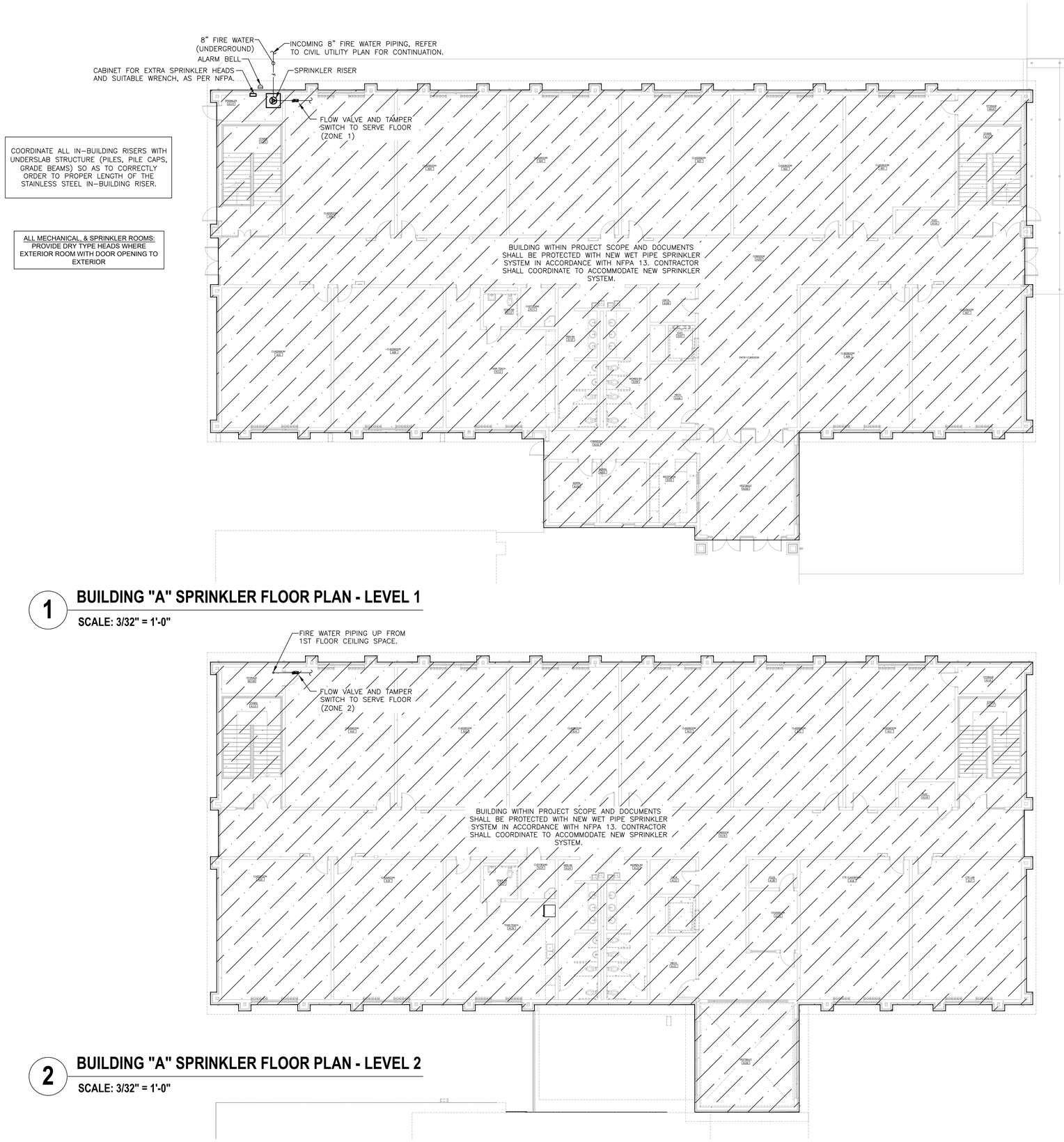
PROFESSIONAL OF RECORD

STATE OF LOUISIANA
HENRY C. EYRE, III
REG. NO. 33333
PROFESSIONAL ENGINEER
CIVIL
MECHANICAL ENGINEER, MC

REVISIONS

PLUMBING DETAILS

SHEET No. P405



1 BUILDING "A" SPRINKLER FLOOR PLAN - LEVEL 1

SCALE: 3/32" = 1'-0"

2 BUILDING "A" SPRINKLER FLOOR PLAN - LEVEL 2

SCALE: 3/32" = 1'-0"

GENERAL SPRINKLER NOTES:

A. SPRINKLER CONTRACTOR SHALL HYDRAULICALLY CALCULATE AND DESIGN THE REQUIRED FIRE SUPPRESSION SYSTEMS, WET AND DRY PIPE SPRINKLER SYSTEMS. THE SPRINKLER SYSTEMS TO CONFORM TO INSURANCE COMPANY REQUIREMENTS, STATE FIRE MARSHAL NFPA 13, NFPA (CURRENT ENFORCED CODE), AND ALL OTHER APPLICABLE CODES. THE SYSTEM SHALL BE ARRANGED AS NOT TO INTERFERE WITH LIGHTS AND CEILING PLATES AND SHALL NOT BE IN CONTACT WITH ANY PART OF THE CEILING SUPPORTS. ALL PIPING SIZING AND SPACING SHALL BE IN STRICT ACCORDANCE WITH CURRENT NFPA REQUIREMENTS.
B. ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES WHERE APPLICABLE. ANY RELOCATION OF HEADS SHALL BE AT CONTRACTORS EXPENSE IN ORDER TO CENTER HEADS IN TILE.
C. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH HVAC, PLUMBING, ELECTRICAL, STRUCTURAL MEMBERS, ETC. AS REQUIRED FOR A PROPER INSTALLATION.
D. PROVIDE INSPECTOR'S TEST TEE AT ALL POINTS REQUIRED IN SYSTEM. PROVIDE PERMANENTLY MOUNTED PLASTIC LABEL (RED) WORDED "TEST VALVE" AT ALL LOCATIONS.
E. FIRE PROTECTION CONTRACTOR SHALL SEAL AROUND ALL PENETRATIONS OF FIRE AND SMOKE PARTITIONS, FLOORS, ETC. BY ALL SPRINKLER PIPING, CONTROL WIRING ETC. WITH FIRE RESISTANT MATERIAL. PROVIDE CHROME PLATED ESCUTCHEON PLATE AT ALL FLOOR/CEILING PENETRATIONS.
F. PROVIDE THRUST BLOCKS AT ALL UNDERGROUND TURNS OF SPRINKLER PIPING, RE: TYPICAL DETAIL #1 SHEET SP201.
G. CONTRACTOR TO REFER TO ARCHITECT DRAWINGS FOR DIFFERENT CEILING HEIGHT, COORDINATE AND PROVIDE ALL OFFSETS.
H. ALL CEILING MOUNTED SPRINKLER HEADS ARE TO BE FULLY RECESSED (WITH COVER PLATE, CUSTOM COLOR FINISH) UNLESS OTHERWISE NOTED. PROVIDE CUT SHEET TO ARCHITECT PRIOR TO CONSTRUCTION FOR AESTHETIC APPROVAL, NO EXCEPTION. ALL HEADS IN EXPOSED AREAS TO BE UPRIGHT.
I. CONTRACTOR TO PAINT ALL EXPOSED SPRINKLER PIPING, SUPPORTS, ETC., COLOR TO BE SELECTED BY ARCHITECT.
J. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXPOSED AREAS THAT OCCUR OVER ROOMS THAT REQUIRE SPRINKLERS.
K. **PRELIMINARY APPROVAL:** CONTRACTOR TO SUBMIT PROPOSED LAYOUT OF SPRINKLER HEADS, PIPING, AND SPRINKLER HEAD CUT SHEETS PRIOR TO FINALIZING THE FORMAL STATE FIRE MARSHAL SUBMITTAL (HYDRAULIC CALCULATIONS, PLANS, ETC.) FOR APPROVAL FROM ARCHITECT/ENGINEER. IF PRELIMINARY SUBMITTAL IS NOT MADE, NO ADDITIONAL COST WILL BE PROVIDED TO CONTRACTOR FOR REVISING SPRINKLER PLANS (PIPE ROUTING & SPRINKLER HEAD LOCATIONS) AND REVISING HYDRAULIC CALCULATIONS.
L. CONTRACTOR TO PLACE SPRINKLER HEADS IN ALL FURRINGS WHERE THE UNDERSIDE WILL NOT BE COVERED BY OTHER SPRINKLER HEADS TO INSURE ADEQUATE COVERAGE OF ALL FURRINGS. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR FURRING LOCATIONS.
M. CONTRACTOR TO REFER TO DUCTWORK, HYDRONIC PIPING, PLUMBING DRAWINGS FOR ALL EQUIPMENT LOCATIONS. OFFSET PIPING UP INTO STRUCTURE AS REQUIRED AS NOT TO CONFLICT WITH PIPING, DUCTWORK, ETC.
N. **SURFACE LIGHTING COORDINATION:** SPRINKLER CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR ON EXACT SURFACE MOUNTED LIGHTING TO BE SUPPLIED TO THE PROJECT. SPRINKLER CONTRACTOR TO PLACE SPRINKLER HEADS AWAY FROM SURFACE MOUNTED FIXTURES AS REQUIRED IN ORDER TO PROVIDE PROPER FLOW. CONTRACTOR TO FIGURE IN BID ADDITIONAL SPRINKLER HEADS AND FULL DROPS AS REQUIRED TO ACHIEVE PROPER SPRINKLER COVERAGE. REFER TO ELECTRICAL PLANS AND ARCHITECTURAL REFLECTED CEILING PLAN.
O. COORDINATE WITH LOCAL JURISDICTION FOR THREADS ON STANDPIPE CONNECTIONS & FIRE DEPARTMENT CONNECTION.
P. CONTRACTOR TO PROVIDE ADDITIONAL DRAINS AS REQUIRED IN ORDER TO PROPERLY DRAIN SPRINKLER PIPING SYSTEMS. FIGURE IN BID A MINIMUM TWO (2) DRAIN LOCATIONS SHOULD THE PIPING HAVE TO BE OFFSET IN THE FIELD.
Q. DRAIN PIPING SHALL BE SCHEDULE 40 GALVANIZED STEEL WITH SCREWED GALVANIZED MALLEABLE IRON FITTINGS.
R. DO NOT ROUTE SPRINKLER PIPING ABOVE DATA ROOMS, ELECTRICAL ROOMS, AV ROOMS, ELEVATOR EQUIPMENT ROOMS, OR ANY OTHER ROOM CONTAINING ELECTRICAL DEVICES.
S. PROVIDE SPRINKLERS ABOVE AND BELOW ALL FLOATING CLOUD CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF FLOATING CEILINGS.
T. PROVIDE CAGE GUARDS FOR ALL UPRIGHT SPRINKLER HEADS WITHIN AREAS WITH NO CEILING.
U. LOCATE FIRE DEPARTMENT CONNECTION AS REQUIRED BY LOCAL FIRE DISTRICT/AHJ, COORDINATE WITH LOCAL FIRE CHIEF WITH LOCATION SHOWN.
V. ANY PROPOSED SPRINKLER PIPE ROUTING SHOWN ON FLOOR PLANS IS NOT INTENDED TO BE A COMPLETE SPRINKLER PIPING SYSTEM. PROPOSED SPRINKLER PIPE ROUTING SHOWN IS TO SUGGEST A POSSIBLE ROUTE AS TO AVOID CONFLICT IN THE FIELD WITH DUCTWORK, VAV BOXES, STRUCTURAL MEMBERS, ETC. EXACT ROUTING OF SPRINKLER PIPING SHALL BE COORDINATED BY THE SPRINKLER CONTRACTOR WITH ALL OTHER TRADES AS AVOID CONFLICTS.
W. PROVIDE HEAT TRACE ON ALL EXPOSED WATER PIPING EXPOSED TO FREEZING CONDITIONS/OUTSIDE ELEMENTS, HEAT TRACE CIRCUIT SHALL BE MONITORED PROVIDE THRUST BLOCKS AT ALL UNDERGROUND TURNS OF SPRINKLER PIPING, RE: TYPICAL DETAIL.
X. ALL PIPING SERVING COVERED DROPS AND OVERHANGS SHALL BE HEAT TRACED AND INSULATED. SPRINKLER CONTRACTOR TO COORDINATE LENGTH OF PIPE AND PROVIDE REQUIRED NUMBER OF CIRCUITS NEEDED. COORDINATE THE WATTS/FT AND LENGTH WITH ELECTRICAL CONTRACTOR FOR POWER REQUIREMENTS. HEAT TRACE TO BE INTERCONNECTED AND MONITORED COORDINATE WITH LIFE SAFETY SYSTEM.
Y. THE FIRE CAULK/SEALANT USED THROUGHOUT THIS PROJECT SHALL NOT JEOPARDIZE THE INTEGRITY OF THE PIPE OR SPRINKLER SYSTEM. ALL SEALANTS/FIRE CAULK SHALL BE COMPATIBLE WITH THE PIPING MATERIAL USED.
Z. ALL PIPING TO BE RATED FOR FIRE SERVICE, REQUIRED PRESSURE RATING AND UL-LISTED.

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PROJECT No. 2412

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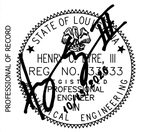
LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

BUILDING "A" SPRINKLER FLOOR PLAN - LEVEL 1 & 2

DATE 10.19.26

PROFESSIONAL OF RECORD



REVISIONS

SHEET No. SP101

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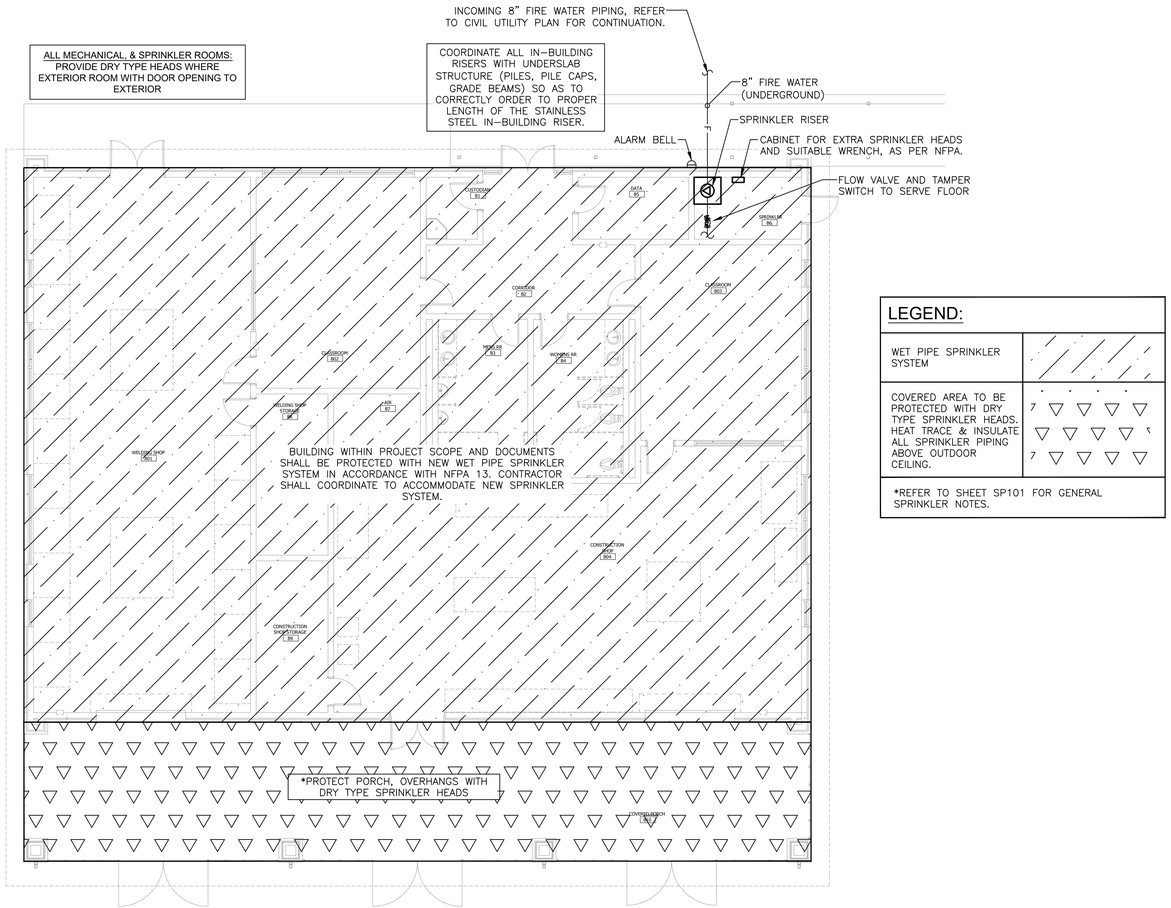

LEGEND:	
WET PIPE SPRINKLER SYSTEM	
COVERED AREA TO BE PROTECTED WITH DRY TYPE SPRINKLER HEADS. HEAT TRACE & INSULATE ALL SPRINKLER PIPING ABOVE OUTDOOR CEILING.	
*REFER TO SHEET SP101 FOR GENERAL SPRINKLER NOTES.	

1 BUILDING "B" FLOOR PLAN - SPRINKLER

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

GENERAL SPRINKLER NOTES:

A. SPRINKLER CONTRACTOR SHALL HYDRAULICALLY CALCULATE AND DESIGN THE REQUIRED FIRE SUPPRESSION SYSTEMS, WET AND DRY PIPE SPRINKLER SYSTEMS. THE SPRINKLER SYSTEMS TO CONFORM TO INSURANCE COMPANY REQUIREMENTS, STATE FIRE MARSHAL NFPA 13, NFPA (CURRENT ENFORCED CODE), AND ALL OTHER APPLICABLE CODES. THE SYSTEM SHALL BE ARRANGED AS NOT TO INTERFERE WITH LIGHTS AND CEILING PLATES AND SHALL NOT BE IN CONTACT WITH ANY PART OF THE CEILING SUPPORTS. ALL PIPING SIZING AND SPACING SHALL BE IN STRICT ACCORDANCE WITH CURRENT NFPA REQUIREMENTS.

B. ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES WHERE APPLICABLE. ANY RELOCATION OF HEADS SHALL BE AT CONTRACTORS EXPENSE IN ORDER TO CENTER HEADS IN TILE.

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D. PROVIDE INSPECTOR'S TEST TEE AT ALL POINTS REQUIRED IN SYSTEM. PROVIDE PERMANENTLY MOUNTED PLASTIC LABEL (RED) WORDED "TEST VALVE" AT ALL LOCATIONS.

E. FIRE PROTECTION CONTRACTOR SHALL SEAL AROUND ALL PENETRATIONS OF FIRE AND SMOKE PARTITIONS, FLOORS, ETC. BY ALL SPRINKLER PIPING, CONTROL WIRING ETC. WITH FIRE RESISTANT MATERIAL. PROVIDE CHROME PLATED ESCUTCHEON PLATE AT ALL FLOOR/CEILING PENETRATIONS.

F. PROVIDE THRUST BLOCKS AT ALL UNDERGROUND TURNS OF SPRINKLER PIPING, RE: TYPICAL DETAIL #1 SHEET SP201.

G. CONTRACTOR TO REFER TO ARCHITECT DRAWINGS FOR DIFFERENT CEILING HEIGHT, COORDINATE AND PROVIDE ALL OFFSETS.

H. ALL CEILING MOUNTED SPRINKLER HEADS ARE TO BE FULLY RECESSED (WITH COVER PLATE, CUSTOM COLOR FINISH) UNLESS OTHERWISE NOTED. PROVIDE CUT SHEET TO ARCHITECT PRIOR TO CONSTRUCTION FOR AESTHETIC APPROVAL, NO EXCEPTION. ALL HEADS IN EXPOSED AREAS TO BE UPRIGHT.

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O. COORDINATE WITH LOCAL JURISDICTION FOR THREADS ON STANDPIPE CONNECTIONS & FIRE DEPARTMENT CONNECTION.

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R. DO NOT ROUTE SPRINKLER PIPING ABOVE DATA ROOMS, ELECTRICAL ROOMS, AV ROOMS, ELEVATOR EQUIPMENT ROOMS, OR ANY OTHER ROOM CONTAINING ELECTRICAL DEVICES.

S. PROVIDE SPRINKLERS ABOVE AND BELOW ALL FLOATING CLOUD CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF FLOATING CEILINGS.

T. PROVIDE CAGE GUARDS FOR ALL UPRIGHT SPRINKLER HEADS WITHIN AREAS WITH NO CEILING.

U. LOCATE FIRE DEPARTMENT CONNECTION AS REQUIRED BY LOCAL FIRE DISTRICT/AHJ, COORDINATE WITH LOCAL FIRE CHIEF WITH LOCATION SHOWN.

V. ANY PROPOSED SPRINKLER PIPE ROUTING SHOWN ON FLOOR PLANS IS NOT INTENDED TO BE A COMPLETE SPRINKLER PIPING SYSTEM. PROPOSED SPRINKLER PIPE ROUTING SHOWN IS TO SUGGEST A POSSIBLE ROUTE AS TO AVOID CONFLICT IN THE FIELD WITH DUCTWORK, VAV BOXES, STRUCTURAL MEMBERS, ETC. EXACT ROUTING OF SPRINKLER PIPING SHALL BE COORDINATED BY THE SPRINKLER CONTRACTOR WITH ALL OTHER TRADES AS AVOID CONFLICTS.

W. PROVIDE HEAT TRACE ON ALL EXPOSED WATER PIPING EXPOSED TO FREEZING CONDITIONS/OUTSIDE ELEMENTS, HEAT TRACE CIRCUIT SHALL BE MONITORED PROVIDE THRUST BLOCKS AT ALL UNDERGROUND TURNS OF SPRINKLER PIPING, RE: TYPICAL DETAIL.

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Z. ALL PIPING TO BE RATED FOR FIRE SERVICE, REQUIRED PRESSURE RATING AND UL-LISTED.

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PROJECT No. 2412

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PROFESSIONAL OF RECORD

REVISIONS

BUILDING "B" FLOOR PLAN - SPRINKLER

SHEET No. SP102

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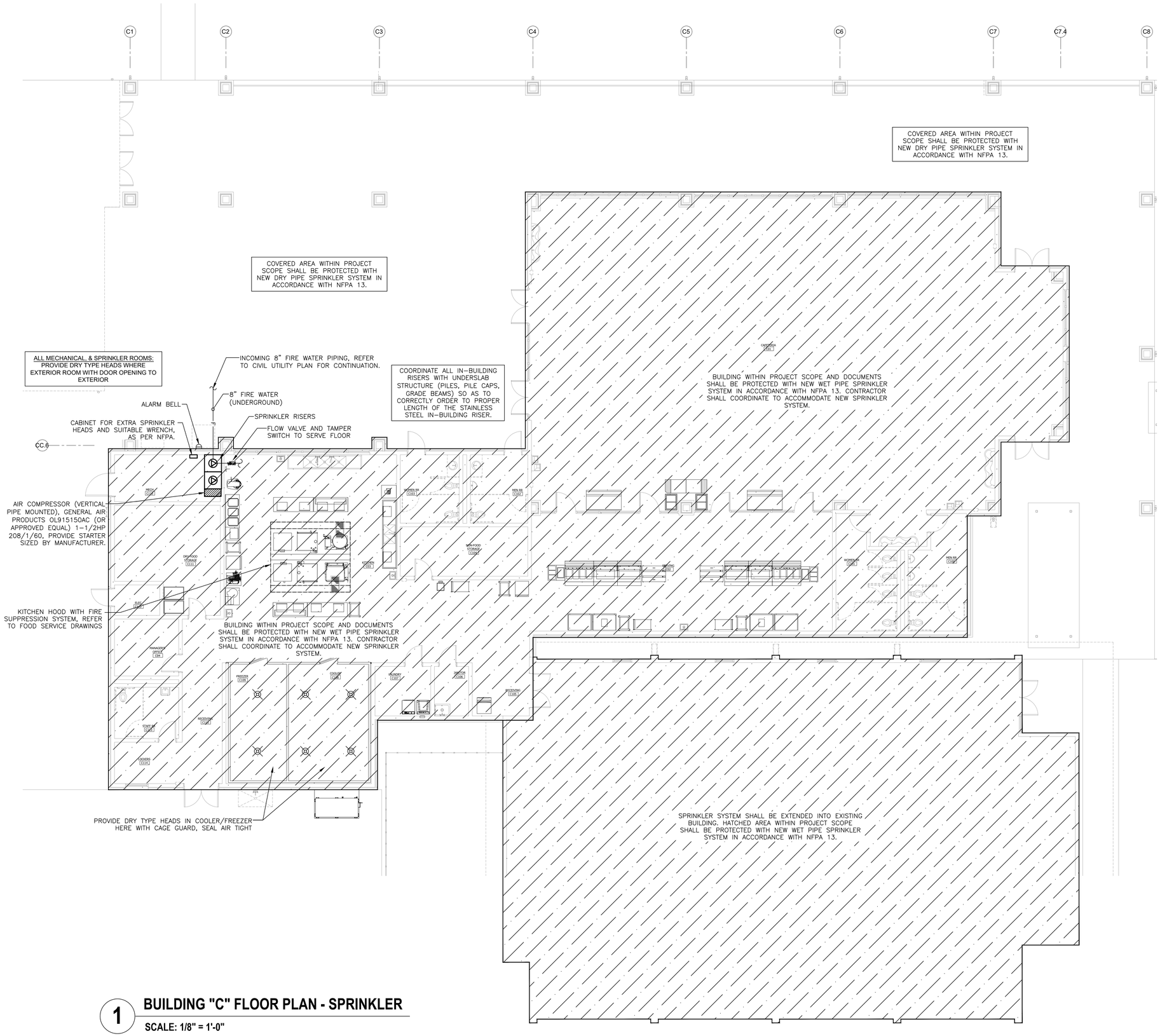

1 BUILDING "C" FLOOR PLAN - SPRINKLER

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

GENERAL SPRINKLER NOTES:

A. SPRINKLER CONTRACTOR SHALL HYDRAULICALLY CALCULATE AND DESIGN THE REQUIRED FIRE SUPPRESSION SYSTEMS, WET AND DRY PIPE SPRINKLER SYSTEMS. THE SPRINKLER SYSTEMS TO CONFORM TO INSURANCE COMPANY REQUIREMENTS, STATE FIRE MARSHAL NFPA 13, NFPA (CURRENT ENFORCED CODE), AND ALL OTHER APPLICABLE CODES. THE SYSTEM SHALL BE ARRANGED AS NOT TO INTERFERE WITH LIGHTS AND CEILING PLATES AND SHALL NOT BE IN CONTACT WITH ANY PART OF THE CEILING SUPPORTS. ALL PIPING SIZING AND SPACING SHALL BE IN STRICT ACCORDANCE WITH CURRENT NFPA REQUIREMENTS.
B. ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES WHERE APPLICABLE. ANY RELOCATION OF HEADS SHALL BE AT CONTRACTORS EXPENSE IN ORDER TO CENTER HEADS IN TILE.
C. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH HVAC, PLUMBING, ELECTRICAL, STRUCTURAL MEMBERS, ETC. AS REQUIRED FOR A PROPER INSTALLATION.
D. PROVIDE INSPECTOR'S TEST TEE AT ALL POINTS REQUIRED IN SYSTEM. PROVIDE PERMANENTLY MOUNTED PLASTIC LABEL (RED) WORDED "TEST VALVE" AT ALL LOCATIONS.
E. FIRE PROTECTION CONTRACTOR SHALL SEAL AROUND ALL PENETRATIONS OF FIRE AND SMOKE PARTITIONS, FLOORS, ETC. BY ALL SPRINKLER PIPING, CONTROL WIRING ETC. WITH FIRE RESISTANT MATERIAL. PROVIDE CHROME PLATED ESCUTCHEON PLATE AT ALL FLOOR/CEILING PENETRATIONS.
F. PROVIDE THRUST BLOCKS AT ALL UNDERGROUND TURNS OF SPRINKLER PIPING, RE: TYPICAL DETAIL #1 SHEET SP201.
G. CONTRACTOR TO REFER TO ARCHITECT DRAWINGS FOR DIFFERENT CEILING HEIGHT, COORDINATE AND PROVIDE ALL OFFSETS.
H. ALL CEILING MOUNTED SPRINKLER HEADS ARE TO BE FULLY RECESSED (WITH COVER PLATE, CUSTOM COLOR FINISH) UNLESS OTHERWISE NOTED. PROVIDE CUT SHEET TO ARCHITECT PRIOR TO CONSTRUCTION FOR AESTHETIC APPROVAL, NO EXCEPTION. ALL HEADS IN EXPOSED AREAS TO BE UPRIGHT.
I. CONTRACTOR TO PAINT ALL EXPOSED SPRINKLER PIPING, SUPPORTS, ETC., COLOR TO BE SELECTED BY ARCHITECT.
J. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXPOSED AREAS THAT OCCUR OVER ROOMS THAT REQUIRE SPRINKLERS.
K. **PRELIMINARY APPROVAL:** CONTRACTOR TO SUBMIT PROPOSED LAYOUT OF SPRINKLER HEADS, PIPING, AND SPRINKLER HEAD CUT SHEETS PRIOR TO FINALIZING THE FORMAL STATE FIRE MARSHAL SUBMITTAL (HYDRAULIC CALCULATIONS, PLANS, ETC.) FOR APPROVAL FROM ARCHITECT/ENGINEER. IF PRELIMINARY SUBMITTAL IS NOT MADE, NO ADDITIONAL COST WILL BE PROVIDED TO CONTRACTOR FOR REVISING SPRINKLER PLANS (PIPE ROUTING & SPRINKLER HEAD LOCATIONS) AND REVISING HYDRAULIC CALCULATIONS.
L. CONTRACTOR TO PLACE SPRINKLER HEADS IN ALL FURRINGS WHERE THE UNDERSIDE WILL NOT BE COVERED BY OTHER SPRINKLER HEADS TO INSURE ADEQUATE COVERAGE OF ALL FURRINGS. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR FURRING LOCATIONS.
M. CONTRACTOR TO REFER TO DUCTWORK, HYDRONIC PIPING, PLUMBING DRAWINGS FOR ALL EQUIPMENT LOCATIONS. OFFSET PIPING UP INTO STRUCTURE AS REQUIRED AS NOT TO CONFLICT WITH PIPING, DUCTWORK, ETC.
N. **SURFACE LIGHTING COORDINATION:** SPRINKLER CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR ON EXACT SURFACE MOUNTED LIGHTING TO BE SUPPLIED TO THE PROJECT. SPRINKLER CONTRACTOR TO PLACE SPRINKLER HEADS AWAY FROM SURFACE MOUNTED FIXTURES AS REQUIRED IN ORDER TO PROVIDE PROPER FLOW. CONTRACTOR TO FIGURE IN BID ADDITIONAL SPRINKLER HEADS AND FULL DROPS AS REQUIRED TO ACHIEVE PROPER SPRINKLER COVERAGE. REFER TO ELECTRICAL PLANS AND ARCHITECTURAL REFLECTED CEILING PLAN.
O. COORDINATE WITH LOCAL JURISDICTION FOR THREADS ON STANDPIPE CONNECTIONS & FIRE DEPARTMENT CONNECTION.
P. CONTRACTOR TO PROVIDE ADDITIONAL DRAINS AS REQUIRED IN ORDER TO PROPERLY DRAIN SPRINKLER PIPING SYSTEMS. FIGURE IN BID A MINIMUM TWO (2) DRAIN LOCATIONS SHOULD THE PIPING HAVE TO BE OFFSET IN THE FIELD.
Q. DRAIN PIPING SHALL BE SCHEDULE 40 GALVANIZED STEEL WITH SCREWED GALVANIZED MALLEABLE IRON FITTINGS.
R. DO NOT ROUTE SPRINKLER PIPING ABOVE DATA ROOMS, ELECTRICAL ROOMS, AV ROOMS, ELEVATOR EQUIPMENT ROOMS, OR ANY OTHER ROOM CONTAINING ELECTRICAL DEVICES.
S. PROVIDE SPRINKLERS ABOVE AND BELOW ALL FLOATING CLOUD CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF FLOATING CEILINGS.
T. PROVIDE CAGE GUARDS FOR ALL UPRIGHT SPRINKLER HEADS WITHIN AREAS WITH NO CEILING.
U. LOCATE FIRE DEPARTMENT CONNECTION AS REQUIRED BY LOCAL FIRE DISTRICT/AHJ, COORDINATE WITH LOCAL FIRE CHIEF WITH LOCATION SHOWN.
V. ANY PROPOSED SPRINKLER PIPE ROUTING SHOWN ON FLOOR PLANS IS NOT INTENDED TO BE A COMPLETE SPRINKLER PIPING SYSTEM. PROPOSED SPRINKLER PIPE ROUTING SHOWN IS TO SUGGEST A POSSIBLE ROUTE AS TO AVOID CONFLICT IN THE FIELD WITH DUCTWORK, VAV BOXES, STRUCTURAL MEMBERS, ETC. EXACT ROUTING OF SPRINKLER PIPING SHALL BE COORDINATED BY THE SPRINKLER CONTRACTOR WITH ALL OTHER TRADES AS AVOID CONFLICTS.
W. PROVIDE HEAT TRACE ON ALL EXPOSED WATER PIPING EXPOSED TO FREEZING CONDITIONS/OUTSIDE ELEMENTS, HEAT TRACE CIRCUIT SHALL BE MONITORED PROVIDE THRUST BLOCKS AT ALL UNDERGROUND TURNS OF SPRINKLER PIPING, RE: TYPICAL DETAIL.
X. ALL PIPING SERVING COVERED DROPS AND OVERHANGS SHALL BE HEAT TRACED AND INSULATED. SPRINKLER CONTRACTOR TO COORDINATE LENGTH OF PIPE AND PROVIDE REQUIRED NUMBER OF CIRCUITS NEEDED. COORDINATE THE WATTS/FT AND LENGTH WITH ELECTRICAL CONTRACTOR FOR POWER REQUIREMENTS. HEAT TRACE TO BE INTERCONNECTED AND MONITORED COORDINATE WITH LIFE SAFETY SYSTEM.
Y. THE FIRE CAULK/SEALANT USED THROUGHOUT THIS PROJECT SHALL NOT JEOPARDIZE THE INTEGRITY OF THE PIPE OR SPRINKLER SYSTEM. ALL SEALANTS/FIRE CAULK SHALL BE COMPATIBLE WITH THE PIPING MATERIAL USED.
Z. ALL PIPING TO BE RATED FOR FIRE SERVICE, REQUIRED PRESSURE RATING AND UL-LISTED.

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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DATE 10.19.26

PROFESSIONAL OF RECORD

STATE OF LOUISIANA
HENRY C. EYRE, III
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PROFESSIONAL ENGINEER
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EYRE ENGINEERING, INC.

REVISIONS

BUILDING "C" FLOOR PLAN - SPRINKLER

SHEET No. SP103

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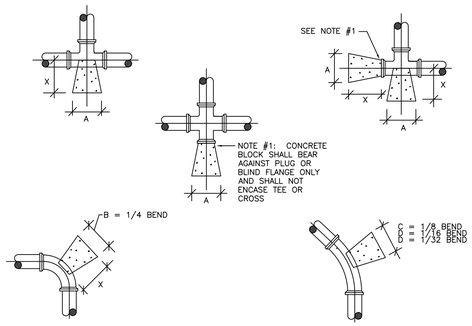
PRINTED: 10-13-2026

NOTE: ALL BENDS, TEES, WYES AND PLUGS TO HAVE STANDARD BLOCKING AS PER SCHEDULE AND DETAIL DIMENSION "X" TO BE A MINIMUM ON ONE (1) FOOT, BUT TO BE INCREASED WHERE NECESSARY TO PROVIDE BEARING AGAINST UNDISTRUBED TRENCH WALL.

PIPE SIZE	A PLUGS & TEES	B 90 BENDS	C 45 BENDS	D 22-1/4 & 11-1/4 BEND	DEPTH OF BLOCK
6"	1' – 3"	2' – 0"	1' – 6"	1' – 0"	1' – 0"
8"	1' – 3"	2' – 4"	1' – 10"	1' – 3"	1' – 3"
10"	1' – 3"	2' – 4"	1' – 10"	1' – 3"	1' – 3"



1 DETAIL - THRUST BLOCKS, TYPICAL
NTS

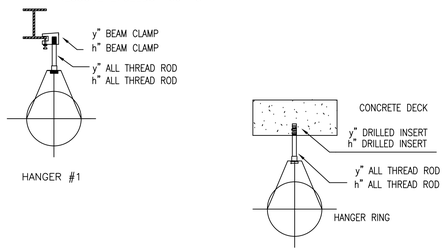
MAX. DISTANCE BETWEEN HANGERS

NOMINAL PIPE SIZE (IN.)	1" – 1q"	1h" – 6"
STEEL PIPE EXCEPT THREADED LIGHT WALL	12'–0"	15'–0"

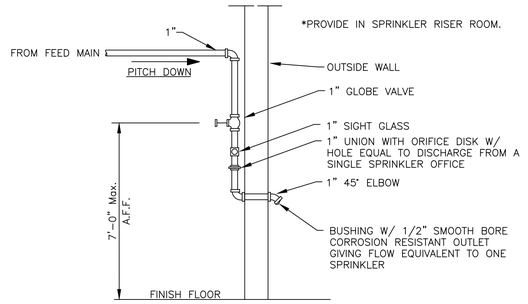
MAX. DISTANCE BETWEEN END SPRINKLER AND LAST HANGER ON THE BRANCH LINE

NOMINAL PIPE SIZE (IN.)	< 100 PSI 1"	< 100 PSI 1q"	< 100 PSI > 1q"	****
STEEL PIPE EXCEPT THREADED LIGHT WALL	36 IN.	48 IN.	60 IN.	12 IN.

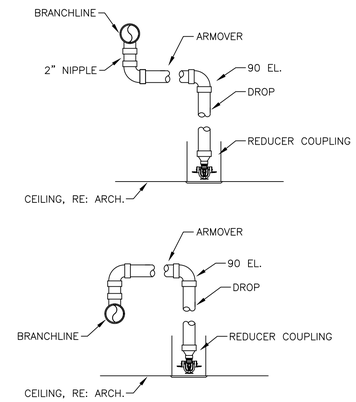
**** DISTANCE BETWEEN END SPRINKLER IN A PENDENT POSITION AND THE LAST HANGER ON A BRANCH LINE WHENEVER PRESSURE EXCEEDS 100 PSI.



2 DETAIL - PIPE SUPPORTS, TYPICAL
NTS



3 DETAIL - INSPECTOR TEST VALVE
NTS



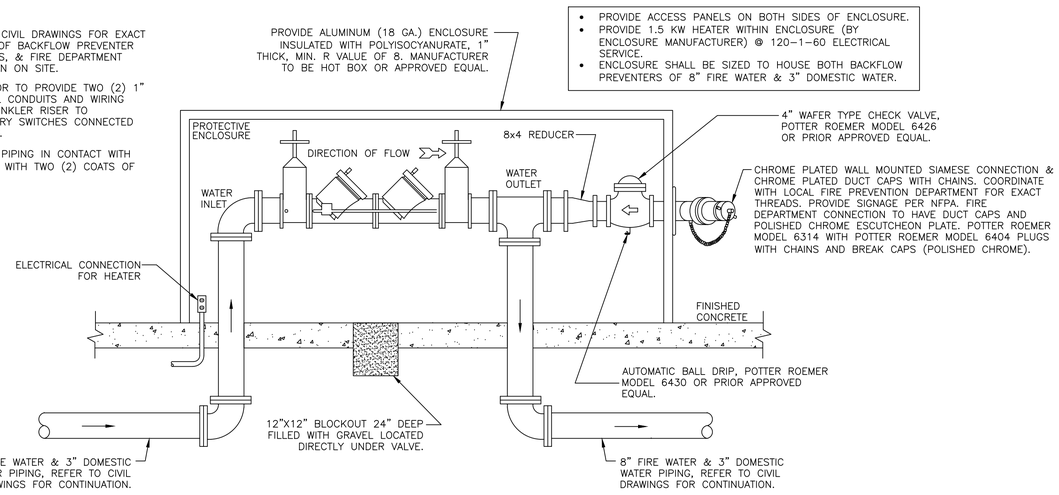
*ALL SPRINKLER HEADS TO BE CONCEALED TYPE WITH CUSTOM COLOR COVER PLATE.

4 DETAIL - TYPICAL FULLY CONCEALED SPRINKLER HEAD INST.
NTS

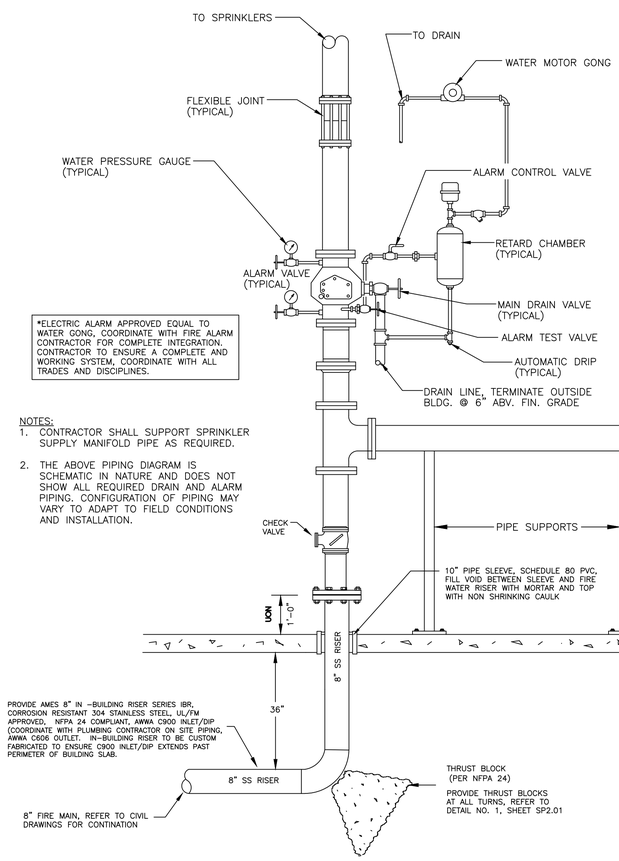
*BACKFLOW PREVENTERS FOR 3" DOMESTIC WATER PIPING, WILKINS MODEL 375 (OR APPROVED EQUAL) REDUCED PRESSURE "LEAD-FREE" BACKFLOW PREVENTER ASSEMBLY & 8" FIRE WATER PIPING, WILKINS MODEL 375DA (OR APPROVED EQUAL) REDUCED PRESSURE DETECTOR ASSEMBLY. PROVIDE WILKINS VALVE SETTER. CONTRACTOR TO COORDINATE WITH LOCAL WATER COMPANY PRIOR TO INSTALLATION AND INCLUDE ALL COST (FEES, PERMITS, METERS, INSTALLATION, ETC.) IN BID. PROVIDE ONE (1) ALUMINUM (18 GA.) ENCLOSURE AROUND BOTH BACKFLOW PREVENTERS (WITH CONCRETE PAD), MANUFACTURER TO BE HOT-BOX, AQUA-SHIELD, OR APPROVED EQUAL. BACKFLOW PREVENTER ENCLOSURE TO COME WITH 1.5 KW HEATER @ 120-1-60 ELECTRICAL SERVICE. PROVIDE WALL-MOUNTED FIRE DEPARTMENT CONNECTION (FDC) ON THE DOWNSTREAM SIDE OF FIRE WATER BACKFLOW PREVENTER, MOUNTED TO THE ENCLOSURE AS SHOWN. COORDINATE FDC LOCATION AND FINAL PIPING CONNECTION WITH CIVIL DRAWINGS AND FIRE PROTECTION REQUIREMENTS. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF BACKFLOW PREVENTERS, HEATED ENCLOSURE, & WALL-MOUNTED FIRE DEPARTMENT CONNECTION ON SITE. SUBMIT PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW. BACKFLOW PREVENTER TO HAVE GATE VALVE SHUTOFFS ON INLET & DISCHARGE. BACKFLOW PREVENTER(S) TO BE LINE SIZE. TEST & CERTIFY BACKFLOW PREVENTERS AT PROJECT COMPLETION.

NOTE:
1. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF BACKFLOW PREVENTER ASSEMBLIES, & FIRE DEPARTMENT CONNECTION ON SITE.
2. CONTRACTOR TO PROVIDE TWO (2) 1" ELECTRICAL CONDUITS AND WIRING FROM SPRINKLER RISER TO SUPERVISORY SWITCHES CONNECTED TO VALVES.
3. COAT ALL PIPING IN CONTACT WITH CONCRETE WITH TWO (2) COATS OF MASTIC.

- PROVIDE ACCESS PANELS ON BOTH SIDES OF ENCLOSURE.
- PROVIDE 1.5 KW HEATER WITHIN ENCLOSURE (BY ENCLOSURE MANUFACTURER) @ 120-1-60 ELECTRICAL SERVICE.
- ENCLOSURE SHALL BE SIZED TO HOUSE BOTH BACKFLOW PREVENTERS OF 8" FIRE WATER & 3" DOMESTIC WATER.



5 DETAIL - BACKFLOW PREVENTER ASSEMBLIES, ENCLOSURE, & FIRE DEPARTMENT CONNECTION
NTS



6 DETAIL - SPRINKLER RISER(S), TYPICAL
NTS

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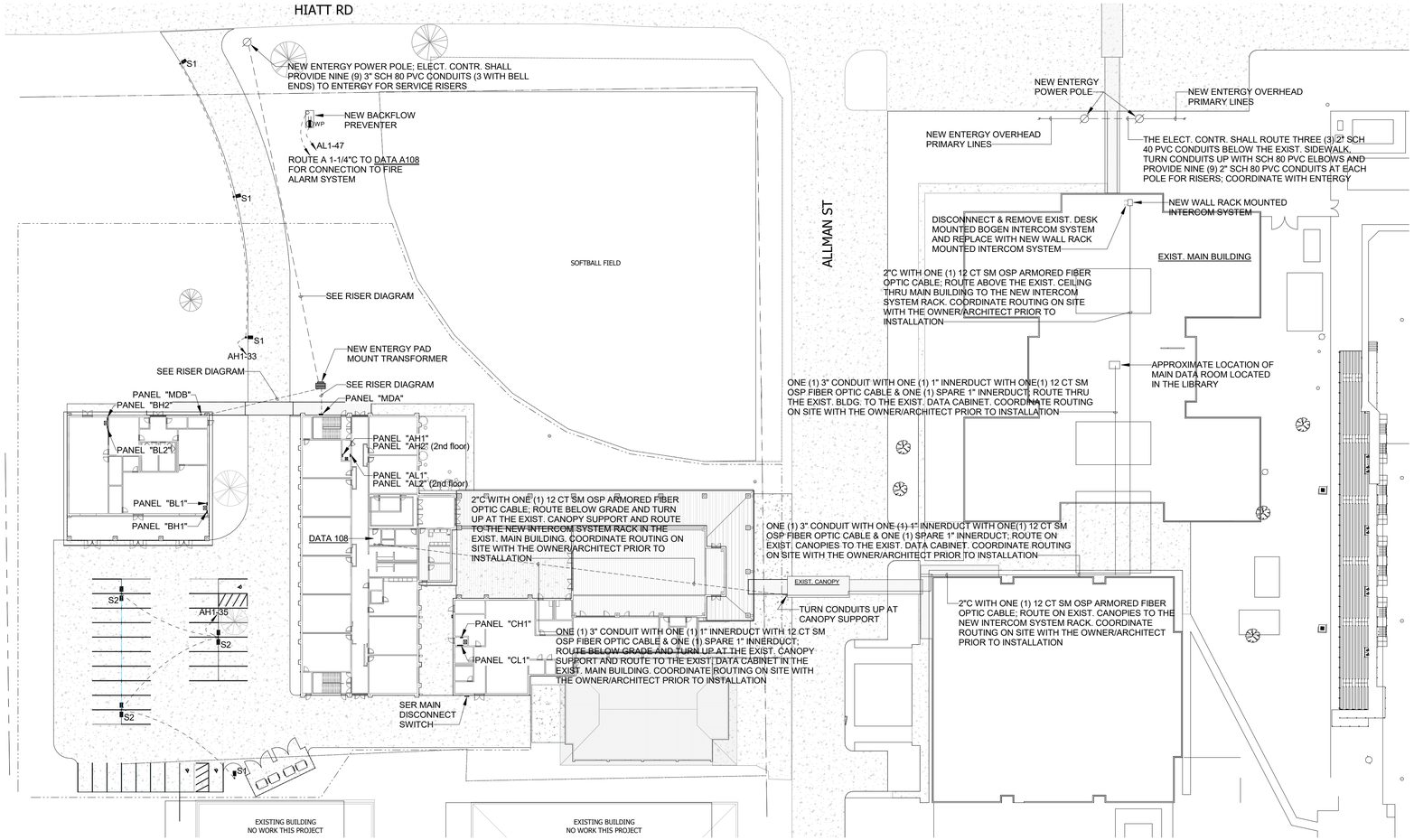
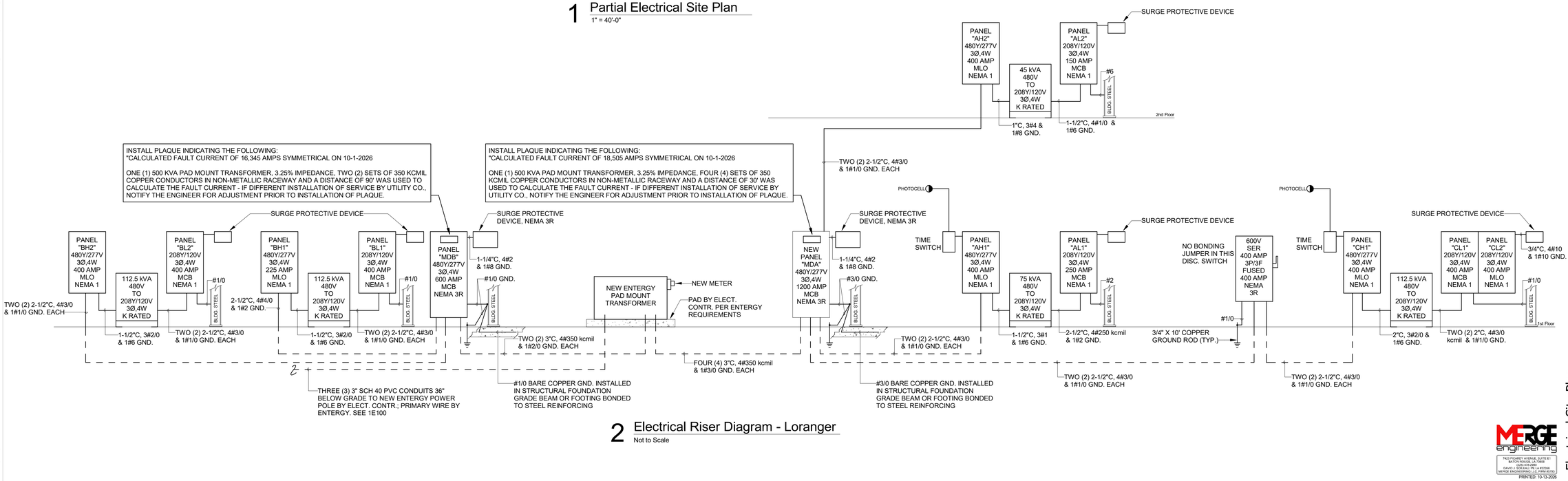
SHEET No. SP201

SPRINKLER DETAILS



1 Partial Electrical Site Plan
1" = 40'-0"



2 Electrical Riser Diagram - Loranger
Not to Scale

SYMBOL SCHEDULE

A	LED FIXTURE; "A" DENOTES TYPE
$_{B}$	LED DOWNLIGHT FIXTURE; "B" DENOTES TYPE
$_{X}$	EXIT LIGHT
	WALL MOUNT EMERGENCY LIGHT
	CEILING MOUNT EMERGENCY LIGHT
$	SINGLE POLE TOGGLE SWITCH
$_{O}	OCCUPANCY SENSING WALL SWITCH
$_{M}	MOTOR RATED TOGGLE SWITCH
OS	CEILING MOUNT OCCUPANCY SENSOR
OS	CEILING MOUNT DIRECTIONAL OCCUPANCY SENSOR
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE WITH TWO (2) USB PORTS
	QUADRAPLEX RECEPTACLE
	SPECIAL RECEPTACLE
	CONDUIT IN WALL OR CEILING
	CONDUIT BELOW GRADE
	HOMERUN OR CONNECTION TO EXISTING CIRCUITING
	POWER PANEL
	DISCONNECT SWITCH
	COMBINATION STARTER/DISCONNECT SWITCH
	DATA OUTLET; NUMBER INDICATES QUANTITY OF JACKS
WAP	WIRELESS ACCESS POINT
J	JUNCTION BOX
AFF	ABOVE FINISHED FLOOR
GND	GROUND
WP	WEATHERPROOF
	KEYNOTE
CR	ACCESS CONTROL CARD READER LOCATION
F	FIRE ALARM SYSTEM PULL STATION
	FIRE ALARM SYSTEM CEILING MOUNT STROBE
S	FIRE ALARM SYSTEM CEILING MOUNT SPEAKER/ STROBE
	FIRE ALARM SYSTEM WALL MOUNT STROBE
S	FIRE ALARM SYSTEM WALL MOUNT SPEAKER/ STROBE
D	FIRE ALARM SYSTEM DUCT MOUNTED SMOKE DETECTOR
S	FIRE ALARM SYSTEM SMOKE DETECTOR
T	FIRE ALARM SYSTEM THERMAL DETECTOR
C	SECURITY SYSTEM CAMERA LOCATION
F/S	SPRINKLER SYSTEM FLOW SWITCH
T/S	SPRINKLER SYSTEM TAMPER SWITCH
SP	INTERCOM SYSTEM SPEAKER
	INTERCOM SYSTEM CALL-IN SWITCH
	INTERCOM SYSTEM EXTERIOR WALL MOUNT TRUMPET SPEAKER
VD	VAPE DETECTOR

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Electrical Site Plan

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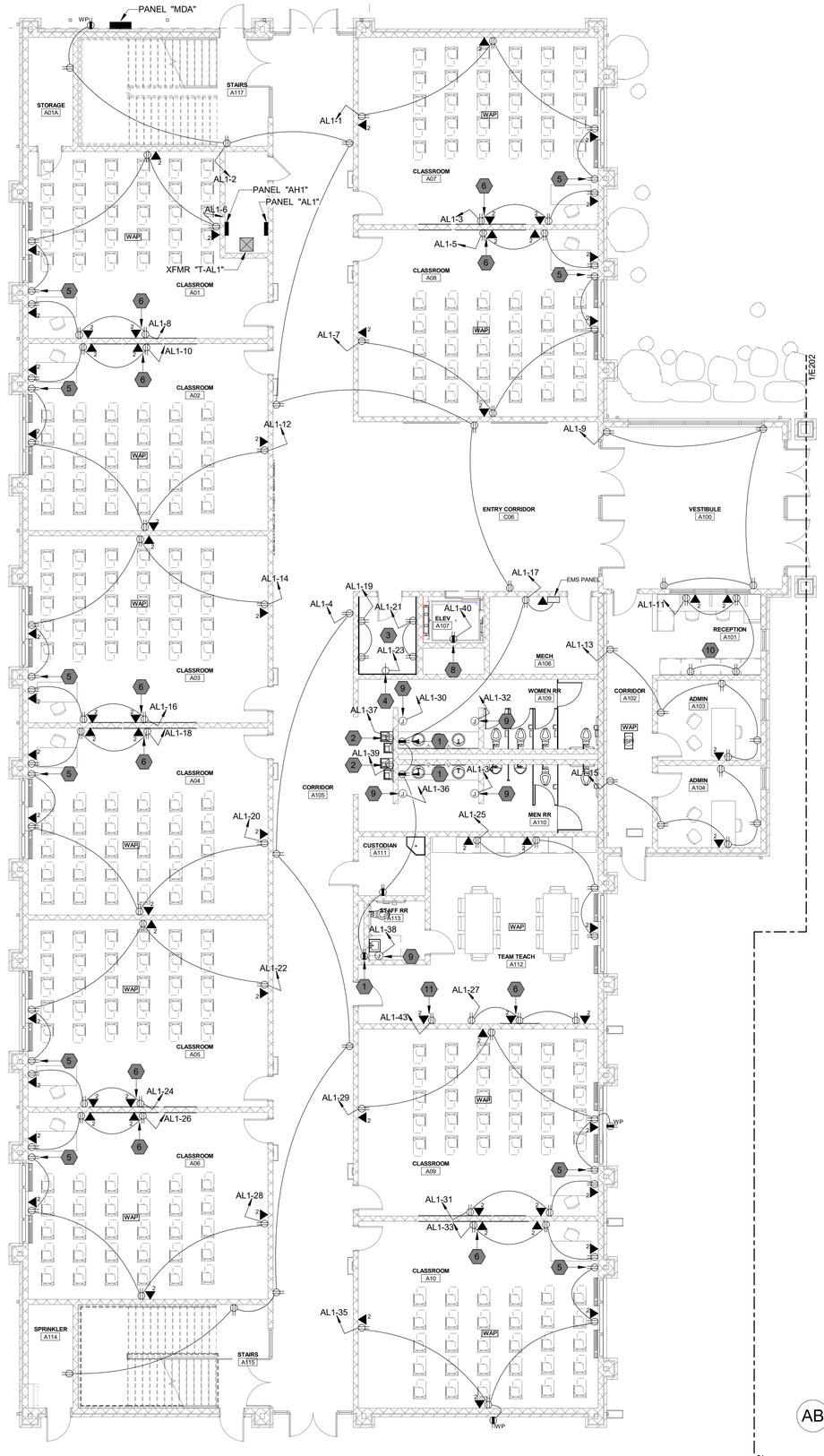
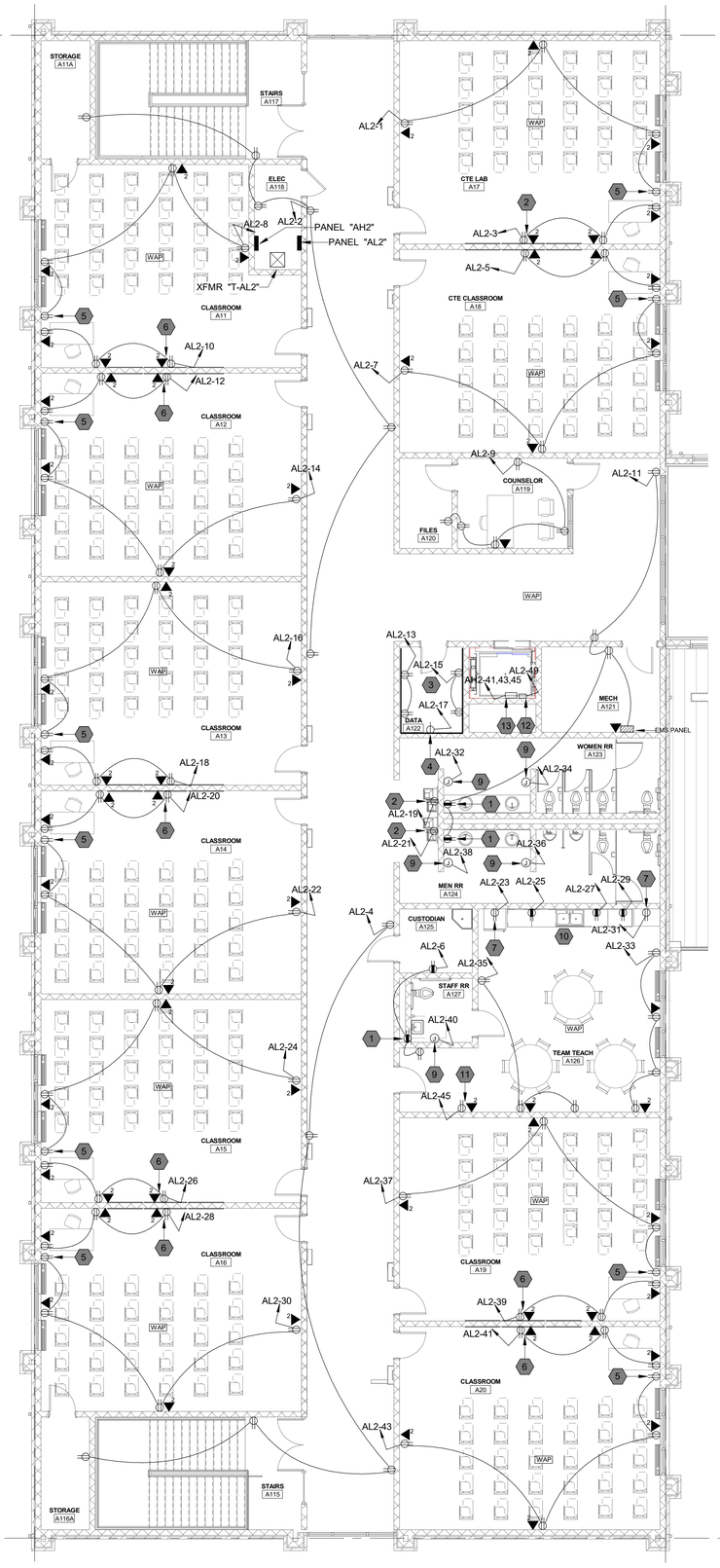


1 Power Plan - 1st Floor - Building A
1/8" = 1'-0"



2 Power Plan - 2nd Floor - Building A
1/8" = 1'-0"

Power Plan Notes

1. THE ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS UPON WHICH THE CONTRACT DOCUMENTS ARE BASED MAY BE INACCURATE OR INCOMPLETE. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS AND MODIFY AS REQUIRED.
2. THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING IN BID A COMPLETE AND WORKING SYSTEM IN ACCORDANCE WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS.
3. DEVICE LOCATIONS REPRESENT INTENT AND ARE NOT MEANT TO SHOW THE EXACT LOCATION OF DEVICES. DO NOT SCALE DEVICES FROM THESE DRAWINGS. VERIFY EXACT LOCATION OF ALL DEVICES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
4. WIRING DEVICES SHALL BE LOCATED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
   A. ALL DEVICES SHOWN AT ARCHITECTURAL CASEWORK SHALL BE MOUNTED ABOVE THE COUNTER TOP UNLESS SPECIFICALLY NOTED OTHERWISE. COORDINATE LOCATIONS OF ALL CASEWORK WITH ARCHITECTURAL DRAWINGS.
   B. DEVICES CALLED TO BE LOCATED BELOW CASEWORK SHALL BE LOCATED IN KNEE SPACE OR ACCESSIBLE CABINETS. DEVICES SHALL NOT BE LOCATED BEHIND DRAWERS OR OTHER INACCESSIBLE LOCATIONS. CASEWORK SHALL BE CUT TO ALLOW RECESSED OUTLETS TO BE FLUSH WITH WALL FINISH OR AN EXTENSION RING PROVIDED THAT IS FLUSH WITH THE SURFACE OF THE CASEWORK.
   C. COORDINATE THE RECEPTACLE CONFIGURATION AND FINAL LOCATION OF ALL OWNER FURNISHED EQUIPMENT WITH ARCHITECT PRIOR TO ROUGH-IN. MAKE MODIFICATIONS AS REQUIRED.
   D. FOR DEVICES SHOWN LOCATED IN FLOORS, PROVIDE FLUSH FLOOR BOXES.
5. EACH CIRCUIT SHALL HAVE IT'S OWN NEUTRAL CONDUCTOR; SHARING OF NEUTRAL CONDUCTORS IS NOT ALLOWED.
6. FOR EACH CONDUIT WITH MORE THAN THREE CURRENT CARRYING CONDUCTORS, APPLY DERATING FACTORS AS PER NEC 310.15 (B)(3)(a) AND ADJUST CONDUIT AND CONDUCTOR SIZE ACCORDINGLY.
7. FOR OWNER FURNISHED AND SPECIALTY EQUIPMENT SHOWN PLUG AND CORD CONNECTED, PROVIDE A PLUG AND CORD SIZED ON ACTUAL EQUIPMENT SUPPLIED. CORD SHALL BE SJ TYPE FOR 250 VOLT EQUIPMENT OR SO TYPE FOR 600 VOLT EQUIPMENT. ALL CORDS SHALL BE SUPPLIED WITH GROUND CONDUCTORS.
8. FURNISH AND INSTALL A 4" SQUARE BOX FOR EACH VOICE/DATA OUTLET AND DATA OUTLET. PROVIDE 1"C TO ABOVE ACCESSIBLE CEILING AND TERMINATE WITH A BUSHING PROVIDE DATA CABLING, JACKS, FACEPLATES, ETC. FOR A COMPLETE DATA SYSTEM.
9. VERIFY THE COLOR OF ALL DATA CABLES WITH THE OWNER PRIOR TO ORDERING OF THE CABLES.
10. LOCATE RECEPTACLE WITHIN CORD REACH OF CIRCULATION PUMP. PROVIDE 6' LONG #12 2/C WITH GROUND SJ CORD AND NEMA 5-20P PLUG AND CONNECT TO CIRCULATION PUMP. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.
11. LOCATE RECEPTACLE WITHIN CORD REACH OF DRYER. PROVIDE 6' LONG #12 2/C WITH GROUND SJ CORD AND NEMA 5-20P PLUG AND CONNECT TO AIR DRYER. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.
12. SEE FOOD SERVICE DRAWINGS FOR KITCHEN EQUIPMENT ELECTRICAL SCHEDULE AND ADDITIONAL WORK REQUIRED BY THE ELECT. CONTR.
13. CONNECT ALL DEVICES BELOW THE HOOD TO THE HOOD EXTINGUISHING SYSTEM; WHEN THE HOOD EXTINGUISHING SYSTEM IS ACTIVATED ALL OF THE CIRCUITS SERVING THOSE DEVICES SHALL OPEN.
14. FROM EACH WAP LOCATION, THE ELECT. CONTR. SHALL ROUTE A RED CAT6 CABLE TO THE DATA CABINET IN THE DATA 208 AND TERMINATE; WAPS FURNISHED, INSTALLED AND CONNECTED BY THE OWNER.
15. THE CONTR. SHALL VERIFY THE RECEPTACLE CONFIGURATION OF ALL OWNER FURNISHED EQUIPMENT AND ADJUST RECEPTACLES TO MATCH THE EQUIPMENT PLUGS AS FURNISHED BY THE OWNER.
16. PROVIDE TEMPORARY LIGHTING AND POWER IN THE ELEVATOR SHAFT AS REQUIRED BY THE ELEVATOR MANUFACTURER/INSTALLER.
17. ALL WORK SHOWN IS NEW UNLESS NOTED OTHERWISE.

Electrical Plan Keynotes

1 LOCATE DUPLEX RECEPTACLE 48" AFF.
2 LOCATE DUPLEX RECEPTACLE BEHIND EWC; COORDINATE THE EXACT LOCATION PRIOR TO ROUGH-IN.
3 3/4" X 8' PLYWOOD COMMUNICATION BACKBOARD ON THREE (3) WALLS AS SHOWN IN THIS ROOM; PROVIDE A TELECOM GROUND BUSBAR WITH ONE (1) #6 AWG COPPER GROUND TO BUILDING SERVICE ENTRANCE GROUND.
4 LOCATE A 125 VOLT, 30 AMP, 2-POLE, 3-WIRE SINGLE TWIST-LOCK RECEPTACLE (NEMA L5-30R) 24" AFF FOR DATA RACK.
5 LOCATE A DUPLEX RECEPTACLE 24" AFF FOR A CHARGING STATION; COLOR OF RECEPTACLE AND COVER PLATE AS SELECTED BY THE ARCHITECT.
6 LOCATE DUPLEX RECEPTACLE AND DATA OUTLET 66" AFF FOR SMART BOARD.
7 LOCATE DUPLEX RECEPTACLE 36" AFF FOR REFRIGERATOR.
8 LOCATE DUPLEX RECEPTACLE IN ELEVATOR PIT FOR SUMP PUMP.
9 LOCATE J-BOX 48" AFF FOR CONNECTION TO HAND DRYER.
10 LOCATE DEVICES AT THIS MILLWORK ABOVE COUNTERTOP UNLESS NOTED OTHERWISE.
11 LOCATE A DUPLEX RECEPTACLE AND DATA OUTLET 24" AFF FOR COPY MACHINE.
12 LOCATE 120 VOLT, 20 AMP, 1-POLE ENCLOSED SHUNT TRIP CIRCUIT BREAKER FOR ELEVATOR CAB LIGHTS. BREAKER SHALL BE EQUIPPED WITH A PERMANENT MEANS OF LOCKING IN THE OPEN POSITION. INTERCONNECT SHUNT TRIP MECHANISM WITH FIRE ALARM SYSTEM. FIRE ALARM SYSTEM SHALL MONITOR SHUNT POWER IN ACCORDANCE WITH NFPA 72 - 6.16.4.4
13 LOCATE 600 VOLT, 60 AMP, 3-POLE ENCLOSED SHUNT TRIP CIRCUIT BREAKER FOR ELEVATOR MACHINE. BREAKER SHALL BE EQUIPPED WITH A PERMANENT MEANS OF LOCKING IN THE OPEN POSITION. INTERCONNECT SHUNT TRIP MECHANISM WITH FIRE ALARM SYSTEM. FIRE ALARM SYSTEM SHALL MONITOR SHUNT POWER IN ACCORDANCE WITH NFPA 72 - 6.16.4.4

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
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10/13/2026

Power Plan - Building A

SHEET # E200

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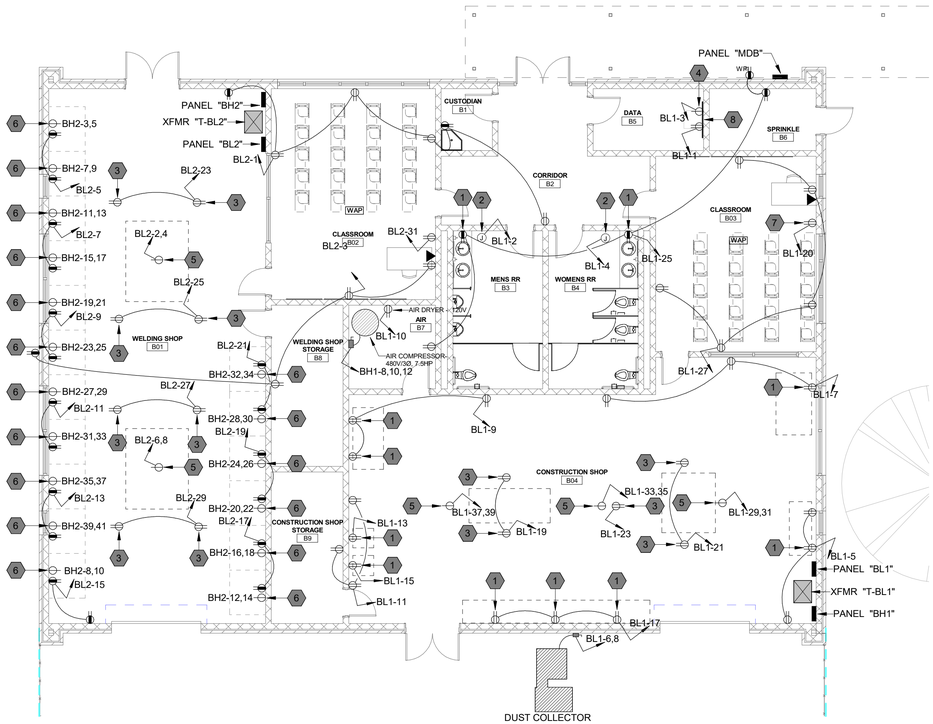

1 Power Plan - Building B

1/8" = 1'-0"

Electrical Plan Keynotes

1. LOCATE DUPLEX RECEPTACLE 48" AFF.
2. LOCATE J-BOX 48" AFF FOR CONNECTION TO HAND DRYER.
3. DUPLEX RECEPTACLE ON A RETRACTABLE REEL WITH A 25' 3/C#12 CORD.
4. LOCATE A 125 VOLT, 30 AMP, 2-POLE, 3-WIRE SINGLE TWIST-LOCK RECEPTACLE NEMA L5-30R) 6' AFF FOR DATA RACK.
5. LOCATE A 250 VOLT, 50 AMP, 2-POLE, 3-WIRE SINGLE RECEPTACLE (NEMA 6-50R) ON A RETRACTABLE REEL WITH A 25' 3/C#8 CORD.
6. LOCATE A 480 VOLT, 30 AMP, 2 POLE, 3 WIRE SINGLE TWIST-LOCK RECEPTACLE (NEMA L8-30R) 6' AFF FOR WELDER (MULTIMATTIC 255).
7. LOCATE A DUPLEX RECEPTACLE 24" AFF FOR A CHARGING STATION; COLOR OF RECEPTACLE AND COVER PLATE AS SELECTED BY THE ARCHITECT.
8. 3/4" X 4' X 8' PLYWOOD COMMUNICATION BACKBOARD; PROVIDE A TELECOM GROUND BUSBAR WITH ONE (1) #6 AWG COPPER GROUND TO BUILDING SERVICE ENTRANCE GROUND.

SEE SHEET E200 FOR POWER PLAN NOTES

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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

Power Plan - Building B

SHEET # E201

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1 Power Plan - Building C
1/8" = 1'-0"

SEE SHEET E200 FOR POWER PLAN NOTES

Electrical Plan Keynotes

1 LOCATE DUPLEX RECEPTACLE 48" AFF.
2 LOCATE J-BOX 48" AFF FOR CONNECTION TO HAND DRYER.
3 LOCATE DUPLEX RECEPTACLE 24" AFF.
4 LOCATE DUPLEX RECEPTACLE 46" AFF.
5 LOCATE DUPLEX RECEPETACLE 50" AFF.
6 LOCATE DUPLEX RECEPTACLE BEHIND EWC; COORDINATE THE EXACT LOCATION PRIOR TO ROUGH-IN.
7 LOCATE JUNCTION BOX ABOVE THE CEILING FOR CONNECTION OF THE UTILITY DISTRIBUTION SYSTEM; COORDINATE WITH THE KITCHEN EQUIPMENT INSTALLER.
8 LOCATE J-BOX ABOVE THE CEILING FOR CONNECTION TO HOOD; COORDINATE WITH THE KITCHEN EQUIPMENT INSTALLER.
9 LOCATE DUPLEX RECEPTACLE INSIDE OF THE SINK SHROUD FOR INFRARED CONTROLS TRANSFORMER; COORDINATE EXACT LOCATION WITH THE PLUMBING CONTR. PRIOR TO ROUGH-IN.
10 PROVIDE AN ENGRAVED PLACARD AT THE EXIST. CAFETERIA BUILDING SERVICE INDICATING THAT THE EXIST. SERVICE IS 120/240 VOLT, 3-PHASE, 4-WIRE AND IDENTIFYING THAT THERE IS A SECOND SERVICE LOCATED AT THE SOUTHWEST CORNER OF THE NEW CAFETERIA BUILDING.
11 PROVIDE AN ENGRAVED PLACARD AT THE NEW CAFETERIA BUILDING SERVICE ENTRANCE RATED DISCONNECT SWITCH INDICATING THAT THE SERVICE IS 277/480 VOLT, 3-PHASE, 4-WIRE AND IDENTIFYING THAT THERE IS A SECOND SERVICE LOCATED AT THE SOUTHWEST CORNER OF THE EXIST. CAFETERIA BUILDING.
12 3/4" X 3' X 4' PLYWOOD COMMUNICATION BACKBOARD; PROVIDE A TELECOM GROUND BUSBAR WITH ONE (1) #6 AWG COPPER GROUND TO BUILDING SERVICE ENTRANCE GROUND.

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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Power Plan - Building C
REVISIONS

SHEET # E202

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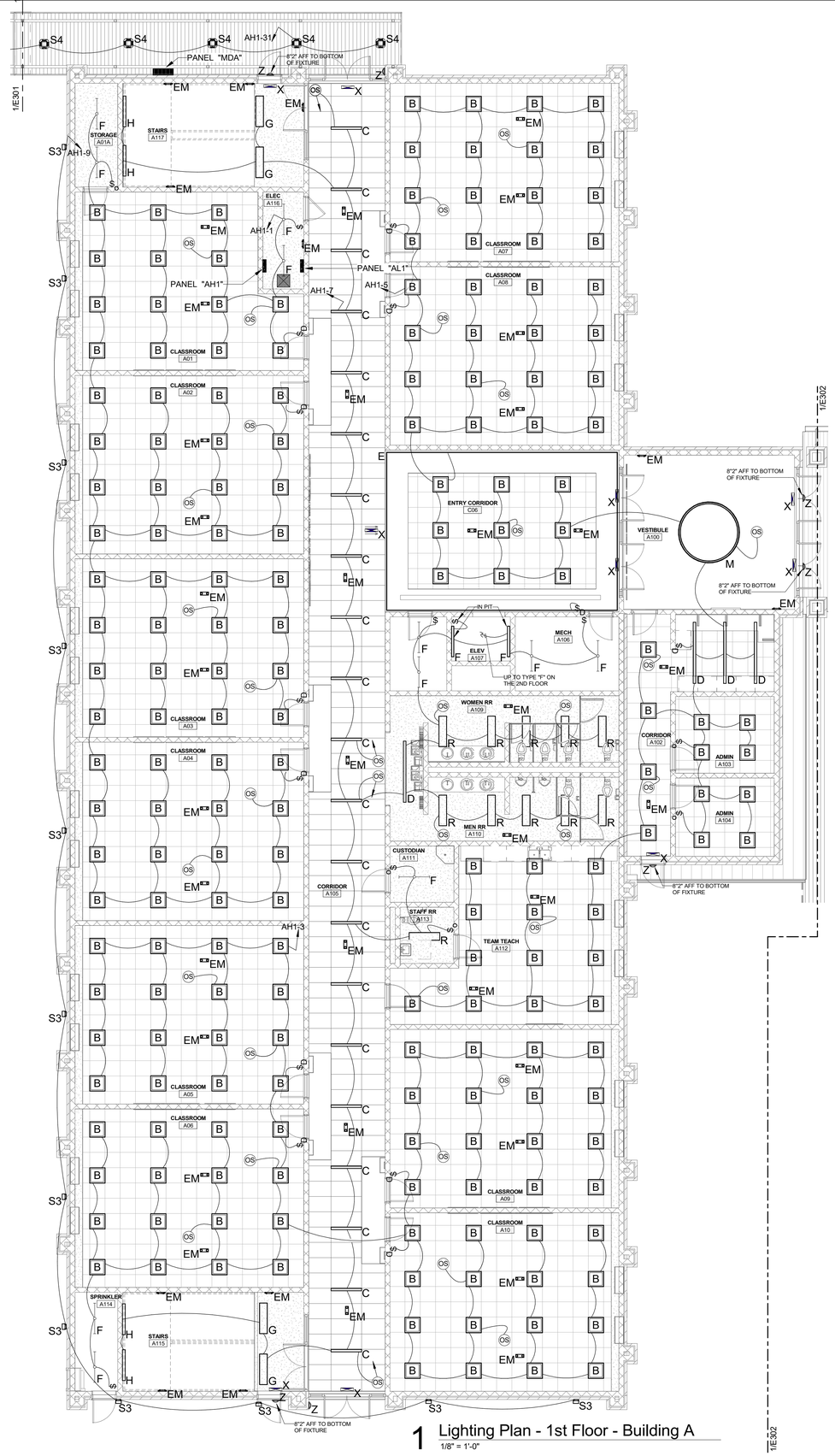
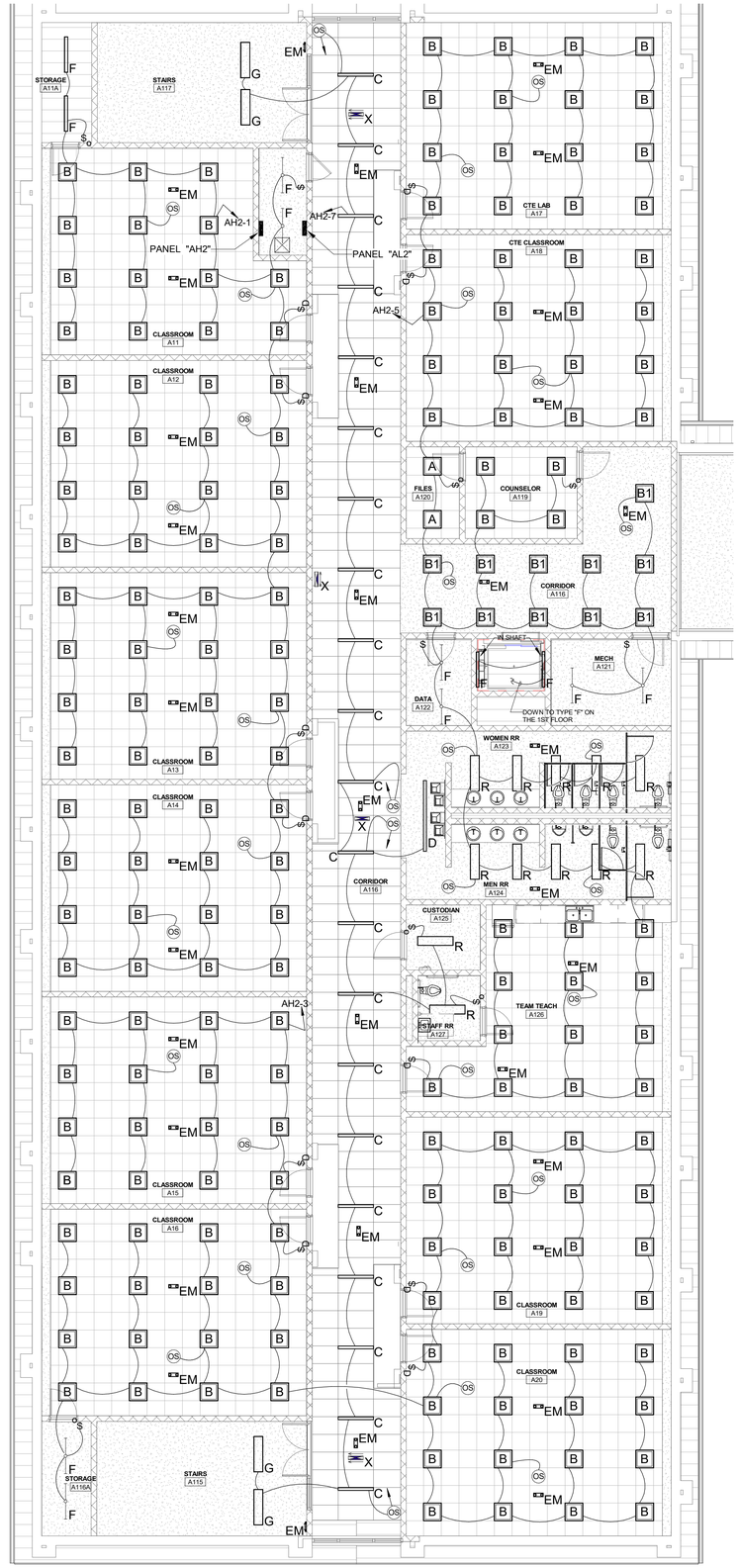


1 Lighting Plan - 1st Floor - Building A
1/8" = 1'-0"



2 Lighting Plan - 2nd Floor - Building A
1/8" = 1'-0"

SEE SHEET E301 FOR LIGHTING PLAN NOTES AND FIXTURE SCHEDULE

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LORANGER HIGH SCHOOL
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Lighting Plan - Building A

SHEET # E300

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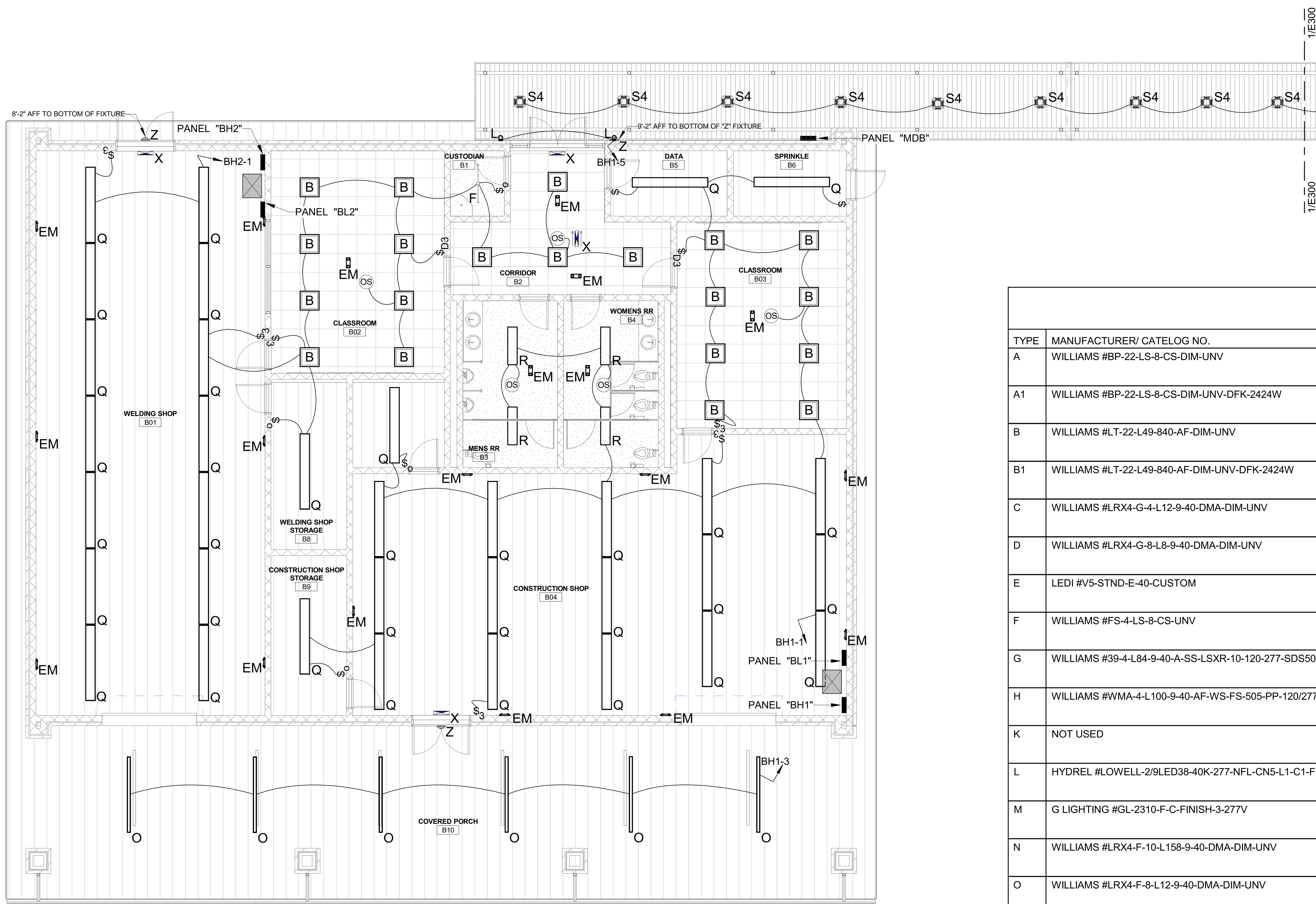

1 Lighting Plan - Building B

1/8" = 1'-0"

Lighting Fixture Schedule

TYPE	MANUFACTURER/ CATELOG NO.	SOURCE	VOLTAGE	WATTAGE	FINISH	DESCRIPTION
A	WILLIAMS #BP-22-LS-8-CS-DIM-UNV	2500/3800/4900 LUMEN LED/ 3500/4000/5000K	120/277	20/30/40	WHITE	2' X 2' LED RECESSED FLAT PANEL, MATTE WHITE ACRYLIC LENS, LAY-IN CEILING, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, LUMEN & COLOR SWITCHABLE
A1	WILLIAMS #BP-22-LS-8-CS-DIM-UNV-DFK-2424W	2500/3800/4900 LUMEN LED/ 3500/4000/5000K	120/277	20/30/40	WHITE	2' X 2' LED RECESSED FLAT PANEL, MATTE WHITE ACRYLIC LENS, GYPSUM BOARD CEILING, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, LUMEN & COLOR SWITCHABLE
B	WILLIAMS #LT-22-L49-840-AF-DIM-UNV	4900 LUMEN LED/ 4000K	120/277	38	WHITE	2' X 2' LED RECESSED DIRECT/INDIRECT, LAY-IN CEILING, ROUNDED FROSTED ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
B1	WILLIAMS #LT-22-L49-840-AF-DIM-UNV-DFK-2424W	4900 LUMEN LED/ 4000K	120/277	38	WHITE	2' X 2' LED RECESSED DIRECT/INDIRECT, GYPSUM BOARD CEILING, ROUNDED FROSTED ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
C	WILLIAMS #LRX4-G-4-L12-9-40-DMA-DIM-UNV	4800 LUMEN LED/ 4000K	120/277	41	WHITE	4"W X 4' LONG RECESSED LED LINEAR, LAY-IN CEILING, DIFFUSE MATTE WHITE ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
D	WILLIAMS #LRX4-G-8-L8-9-40-DMA-DIM-UNV	6400 LUMEN LED/ 4000K	120/277	56	WHITE	4"W X 8' LONG RECESSED LED LINEAR, LAY-IN CEILING, DIFFUSE MATTE WHITE ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
E	LEDI #V5-STND-E-40-CUSTOM	14,720 LUMEN LED/ 4000K	120/277	184	WHITE	SURFACE MOUNT LED COVE LIGHT IN AN ANGLED METAL CHANNEL, PROVIDE REMOTE DIMMABLE DRIVER AND CONNECTORS FOR A COMPLETE SYSTEM
F	WILLIAMS #FS-4-LS-8-CS-UNV	3400/4800/6100 LUMEN LED/ 3500/4000/5000K	120/277	23/32/42	WHITE	4' SURFACE MOUNT LED STRIP, ACRYLIC PRISMATIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, LUMEN & COLOR SWITCHABLE
G	WILLIAMS #39-4-L84-9-40-A-SS-LSXR-10-120-277-SDS50-UNV	8400 LUMEN LED/ 4000K	120/277	66	WHITE	4' SURFACE MOUNT LED ROUNDED WRAPAROUND, FROSTED RIBBED ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, LIGHT DIMS TO 50% WHEN UNOCCUPIED
H	WILLIAMS #WMA-4-L100-9-40-AF-WS-FS-505-PP-120/277-SD50-277	10000 LUMEN LED/ 4000K	120/277	74	WHITE	4' WALL MOUNT CURVED UP/DOWN LIGHT DISTRIBUTION, FROSTED ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, LIGHT DIMS TO 50% WHEN UNOCCUPIED
K	NOT USED					
L	HYDREL #LOWELL-2/9LED38-40K-277-NFL-CN5-L1-C1-FINISH	2400 LUMEN LED/ 4000K	120/277	26	AS SELECTED	5.375" DIAMETER X 19" HIGH LED WALL MOUNT CYLINDER, ALUMINUM HOUSING, TEMPERED BOROSILICATE GLASS LENSES, INTEGRAL DRIVER, WET LOCATION LISTED
M	G LIGHTING #GL-2310-F-C-FINISH-3-277V	27,876 LUMEN LED/ 4000K	120/277	287	WHITE	8' DIAMETER SUSPENDED LED RING, UP/DOWN LIGHT DISTRIBUTION, AIRCRAFT CABLE SUSPENSION, REMOTE UNIVERSAL VOLTAGE ELECTRONIC DRIVER
N	WILLIAMS #LRX4-F-10-L158-9-40-DMA-DIM-UNV	15000 LUMEN LED/ 4000K	120/277	131	WHITE	4"W X 10' LONG RECESSED LED LINEAR, METAL PANEL CEILING-VERIFY CEIILING TYPE, DIFFUSE MATTE WHITE ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, DAMP LOCATION LISTED
O	WILLIAMS #LRX4-F-8-L12-9-40-DMA-DIM-UNV	9600 LUMEN LED/ 4000K	120/277	80	WHITE	4"W X 8' LONG RECESSED LED LINEAR, METAL PANEL CEILING-VERIFY CEILING TYPE, DIFFUSE MATTE WHITE ACRYLIC LENS,UNIVERSAL VOLTAGE ELECTRONIC DRIVER, DAMP LOCATION LISTED
P	NOT USED					
Q	LITHONIA #MLX L8 10000LM 80CRI 40K RDL MD MIN10 ZT MVOLT WH	10,235 LUMEN LED 4000K	120/277	63	AS SELECTED	8' LONG X 5" DIAMETER SUSPENDED LED 5" DIAMETER LINEAR, STEEL HOUSING, WHITE ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DIMMING DRIVER
R	WILLIAMS #BP-14-LS-8-CS-DIM-UNV	2500/3700/4900 LUMEN LED/ 4000K	120/277	20/30/40	WHITE	1' X 4' LED RECESSED FLAT PANEL, MATTE WHITE ACRYLIC LENS, GYPSUM BOARD CEILING, UNIVERSAL VOLTAGE ELECTRONIC DRIVER, LUMEN & COLOR SWITCHABLE
S	NOT USED					
T	WILLIAMS #LRX2-F-12-L10-9-40-DMA-DIM-UNV	12000 LUMEN LED/ 4000K	120/277	108	WHITE	2"W X 12' LONG RECESSED LED LINEAR, METAL PANEL CEILING-VERIFY CEILING TYPE, DIFFUSE MATTE WHITE ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
U	WILLIAMS #LRX4-F-20-L12-9-40-DMA-DIM-UNV	24000 LUMEN LED/ 4000K	120/277	262	WHITE	4"W X 20' LONG RECESSED LED LINEAR, METAL PANEL CEILING-VERIFY CEILING TYPE, DIFFUSE MATTE WHITE ACRYLIC LENS, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
S1	LSI #VALM 24L 3W UNV 40K8 XX (fixture) & LSI #5RP B3 S07G 30 S XX GA 158451CLR (pole)	20,624LUMEN LED/ 4000K	120/277	141	AS SELECTED	25' LONG, 5" SQUARE STEEL POLE, ONE (1) AREA LIGHT, TYPE 3 DISTRIBUTION, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
S2	LSI 2#VALM 30L 4F UNV 40K8 XX (fixtures) & LSI #5RP B3 S07G 30 D180 XX GA 158451CLR (pole)	26,688 LUMEN LED/ 4000K (ea)	120/277	358 (total)	AS SELECTED	25' LONG, 5" SQUARE STEEL POLE, TWO (2) AREA LIGHTS, TYPE 4 DISTRIBUTION, UNIVERSAL VOLTAGE ELECTRONIC DRIVER
S3	ILP #VWM2-8L/11L/14L-U-CCTS-DST3-FINISH	8,293-13,898 LUMEN LED/ 30/40/50K	120/277	59/79/99	AS SELECTED	LED CUT-OFFWALL PACK, POLYCARBONATE LENS, EXTRUDED ALUMINUM HOUSING, ELECTRONIC DIMMING DRIVER, SWITCHABLE LUMEN & COLOR OUTPUT, WET LOCATION LISTED
S4	LITHONIA #CNY LED ALO SWW2 UVOLT BROCK LIGHTING #GLS1-LG-GLS1 TRACELITE #ECX-75-CP-FINISH	4,794/7,403/9,894 LUMEN LED/ 35/40/50K	120/277	34/52/75	AS SELECTED	10" SQUARE SURFACE MOUNT CANOPY LIGHT, EXTRUDED ALUMINUM HOUSING, ELECTRONIC DIMMING DRIVER, SWITCHABLE LUMEN & COLOR OUTPUT, WET LOCATION LISTED
X	LITHONIA #EXRG EL M6	LED	120/277	1	WHITE	EXIT SIGN, WHITE THERMOPLASTIC HOUSING, RED LETTERS, BUILT-IN BATTERY, WALL OR CEILING MOUNT, VERIFY NUMBER OF FACES
Z	LITHONIA #AFB PEL COLOR UVOLT N WT	LED	120/277	7	AS SELECTED	EXTERIOR EMERGENCY EGRESS LIGHT, DIE-CAST ALUMINUM HOUSING, BUILT-IN BATTERY, WET LOCATION LISTED, BUILT-IN PHOTOCELL
EM	LITHONIA #EU2 LED SURE-LITES #SEL50-SD	LED	120/277	6	WHITE	CEILING OR WALL MOUNT EMERGENCY LIGHTING UNIT WITH BUILT-IN NICAD BATTERY, THERMOPLASTIC HOUSING AND SELF-DIAGNOSTIC CIRCUITRY.

Lighting Plan Notes

1. THE ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS UPON WHICH THE CONTRACT DOCUMENTS ARE BASED MAY BE INACCURATE OR INCOMPLETE. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS AND MODIFY AS REQUIRED.

2. THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING IN BID A COMPLETE AND WORKING SYSTEM IN ACCORDANCE WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS.

3. VERIFY THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.

4. ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILINGS TO ACCEPT LIGHT FIXTURES; PROVIDE APPROPRIATE TRIMS AT EACH CEILING TYPE. REFERENCE THE REFLECTED CEILING PLAN FOR CEILING TYPES.

5. ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILINGS TO ACCEPT LIGHT FIXTURES; PROVIDE APPROPRIATE TRIMS AT EACH CEILING TYPE. REFERENCE THE REFLECTED CEILING PLAN FOR CEILING TYPES.

6. VERIFY THE EXACT LOCATION OF ALL LIGHT SWITCHES, DIMMER SWITCHES AND OCCUPANCY SENSOR WALL SWITCHES WITH THE ARCHITECTS PRIOR TO ROUGH-IN.

7. REFER TO THE LIGHTING PLAN FOR QUANTITY AND LOCATIONS OF ALL OCCUPANCY SENSORS.

8. ELECT. CONTR. SHALL VERIFY THE FINISH OF ALL INTERIOR AND EXTERIOR LIGHTS WITH THE ARCHITECT PRIOR TO ORDERING ANY LIGHT FIXTURES.

9. CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTS TO THE LIGHTING CIRCUIT IN THE ROOM THEY ARE LOCATED IN AHEAD OF ALL CONTROLS.

10. OCCUPANCY SENSORS SHOWN ARE INTENDED TO SHOW THE DESIRED CONTROL SCHEME. CONTRACTOR SHALL CONSULT WITH MANUFACTURER OF SENSORS USED AND PROVIDE SENSOR QUANTITIES REQUIRED AND ADJUST LOCATIONS FOR COMPLETE COVERAGE.

11. WALL MOUNT ALL TYPE "X" EXIT SIGNS WHERE THERE IS NO CEILING AVAILABLE.

12. ALL COVER PLATES TO MATCH WALL AND CEILING FINISHES; COORDINATE WITH THE ARCHITECT.

13. WALL MOUNT TYPE "F" FIXTURES 8' AFF WHERE SHOWN TO BE WALL MOUNTED.

14. THE TYPE "Q" LIGHTS IN ROOMS B101 & B104 SHALL BE MOUNTED TO A SUSPENDED TRACK SYSTEM AT 12' AFF.

15. WALL MOUNT TYPE "S3" EXTERIOR LIGHTS 12'-6" AFF TO BOTTOM OF FIXTURES.

16. ALL GRID MOUNTED LIGHT FIXTURES SHALL BE SUPPORTED BY TWO (2) INDEPENDENT HANGERS, FROM OPPOSITE CORNERS OF THE FIXTURE. THESE HANGERS SHALL BE IN ADDITION TO THE CEILING HANGERS.

17. COORDINATE THE EXACT MOUNTING HEIGHT OF ALL SUSPENDED LIGHT FIXTURES WITH THE ARCHITECT PRIOR TO INSTALLATION.

18. WHERE ROOMS ARE SHOWN WITH BOTH WALL MOUNTED CONTROLS AND CEILING MOUNTED OCCUPANCY SENSORS, THE OCCUPANCY SENSORS SHALL TURN THE LIGHTS OFF IF LEFT ON FOR AN EXTENDED PERIOD OF TIME.

19. LOCATE TYPE "Z" EXTERIOR EMERGENCY LIGHTS ABOVE THE DOORS WHERE SHOWN, AT 7'-4" AFF TO TOP OF FIXTURES WHERE SHOWN NEXT TO THE DOORS.

20. ALL WORK SHOWN IS NEW UNLESS NOTHED OTHERWISE.

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20 CLASSROOM ADDITION
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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

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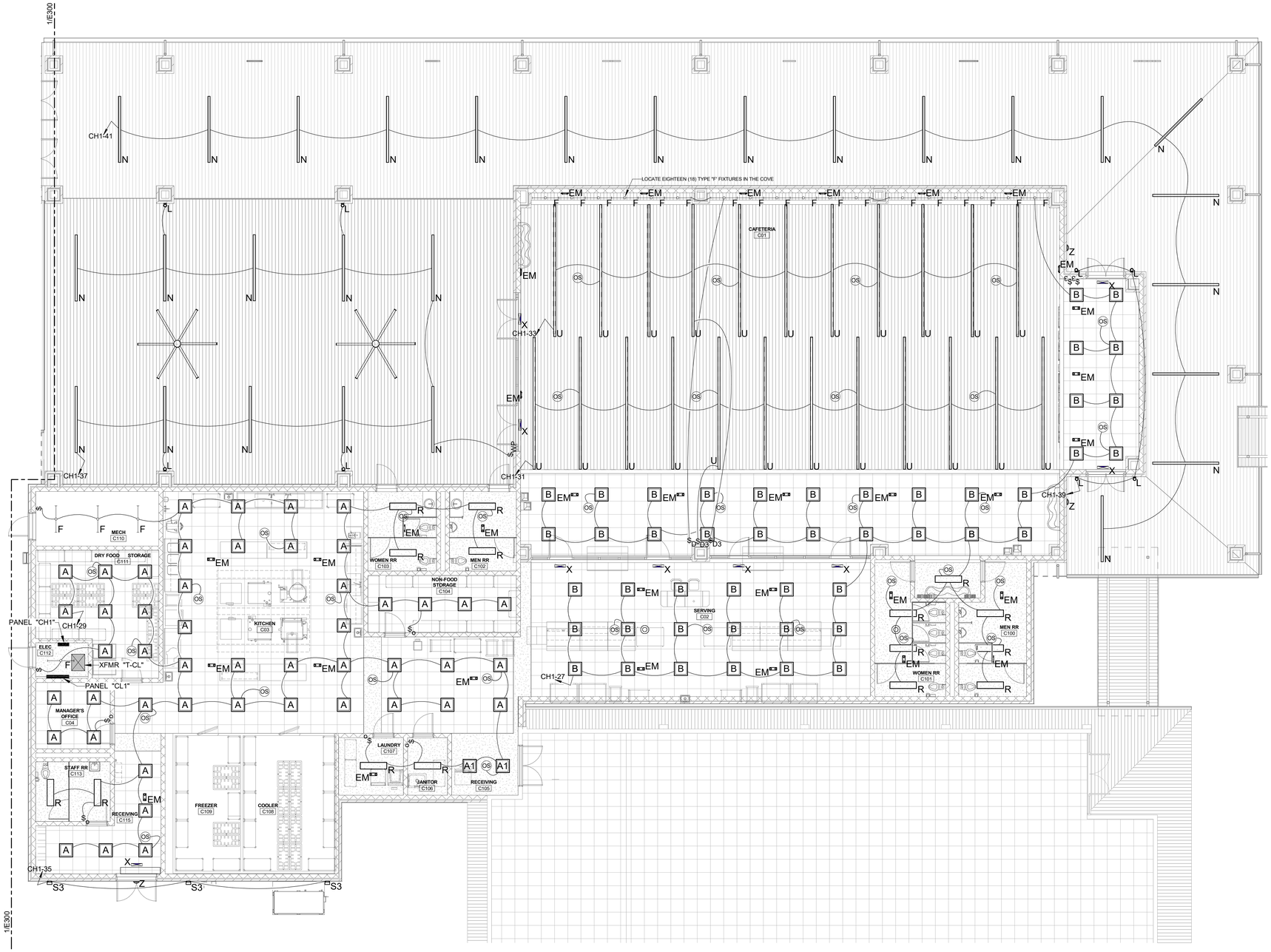
Lighting Plan - Building B

SHEET # E301



1 Lighting Plan - Building C
1/8" = 1'-0"

SEE SHEET E301 FOR LIGHTING PLAN NOTES AND FIXTURE SCHEDULE

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10/13/26

REVISIONS

Lighting Plan - Building C

SHEET # E302

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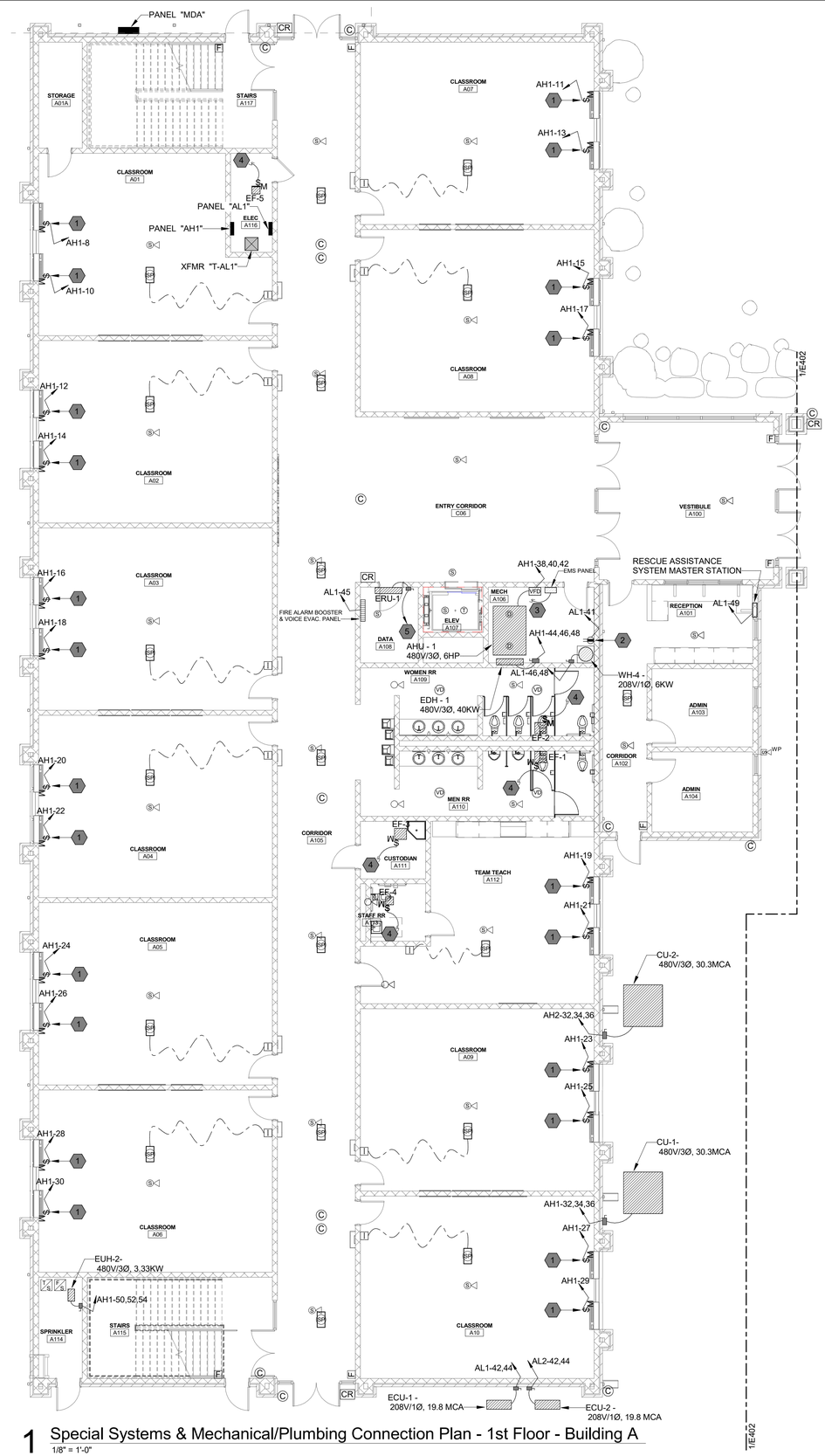
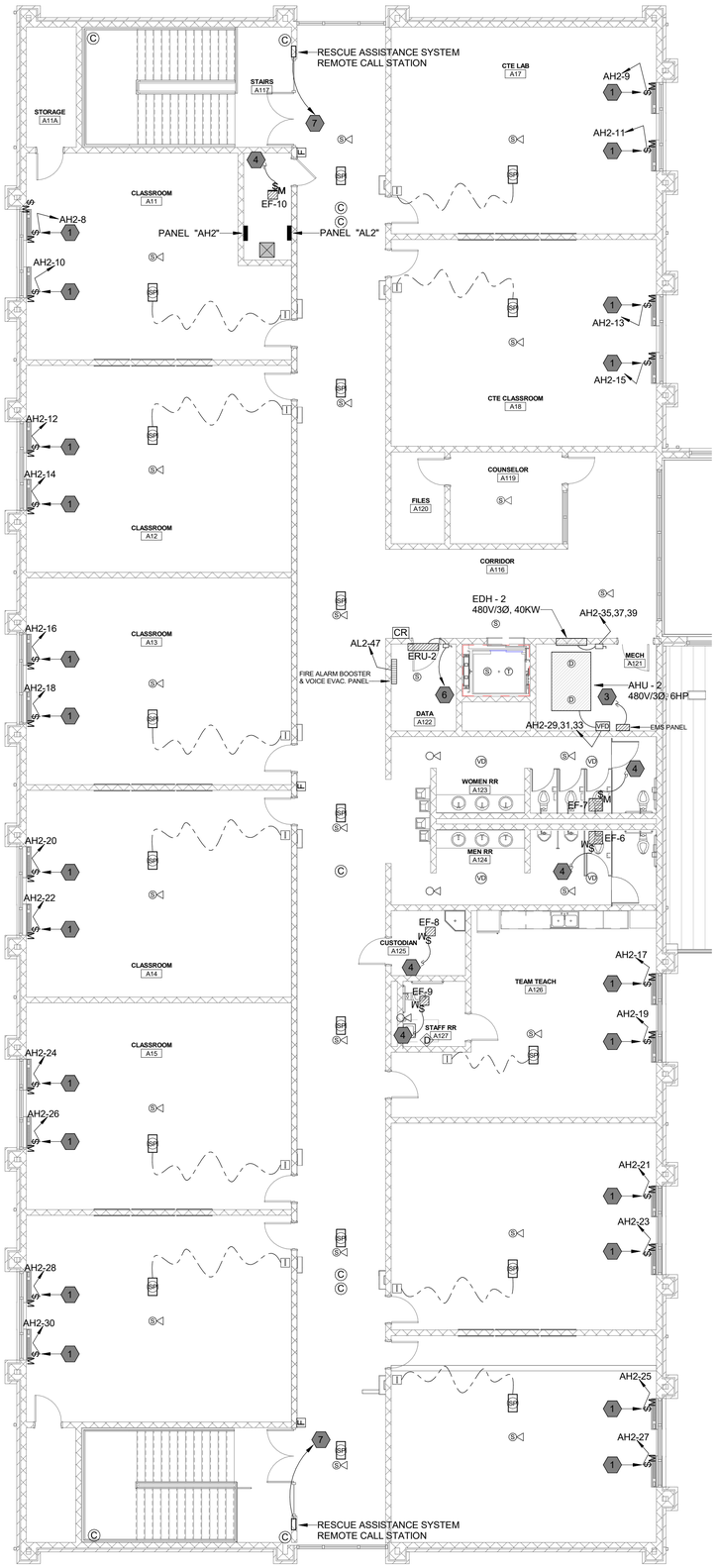


1 Special Systems & Mechanical/Plumbing Connection Plan - 1st Floor - Building A

1/8" = 1'-0"



2 Special Systems & Mechanical/Plumbing Connection Plan - 2nd Floor - Building A

1/8" = 1'-0"

SEE SHEET E401 FOR SPECIAL SYSTEM PLAN NOTES

Electrical Plan Keynotes

1. LOCATE 277 VOLT MOTOR-RATED TOGGLE SWITCH IN THE FACE OF THE PTAC SUBBASE AND IT SHLL BE ACCESSIBLE; SWITCH SHALL NOT BE LOCATED INSIDE OF THE BASE WITH AN ACCESSIBLE COVER. COORDINATE INSTALLATION AND CONNECTION WITH THE MECH. CONTR. PRIOR TO ROUGH-IN.
2. LOCATE DUPEX RECEPTACLE 6' AFF FOR HOT WATER CIRCULATING PUMP CP-2. LOCATE RECEPTACLE WITHIN CORD REACH OF CIRCULATION PUMP. PROVIDE 6' LONG #12 2/C WITH GROUND SJ CORD AND NEMA 5-20P PLUG AND CONNECT TO CIRCULATION PUMP. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.
3. CONNECT TO RECEPTACLE LOCATED IN THE ROOM.
4. CONNECT TO LIGHT(S) IN THIS ROOM; WHEN THE LIGHTS COME ON THE EXHAUST FAN SHALL OPERATE.
5. ROUTE A 1/2"C, 3C#12 TWISTED SHIELDED CABLE TO ECU-1.
6. ROUTE A 1/2"C, 3C#12 TWISTED SHIELDED CABLE TO ECU-2.
7. ROUTE A 3/4" CONDUIT WITH POWER AND CONTROL CIRCUIT WIRING TO THE RESCUE ASSISTANCE SYSTEM MASTER STATION ON THE 1ST FLOOR IN RECEPTION A101 AS REQUIRED BY THE MANUFACTURER/INSTALLER.

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

SHEET # E400

SPECIAL SYSTEMS PLAN - Building A

MERGE engineering
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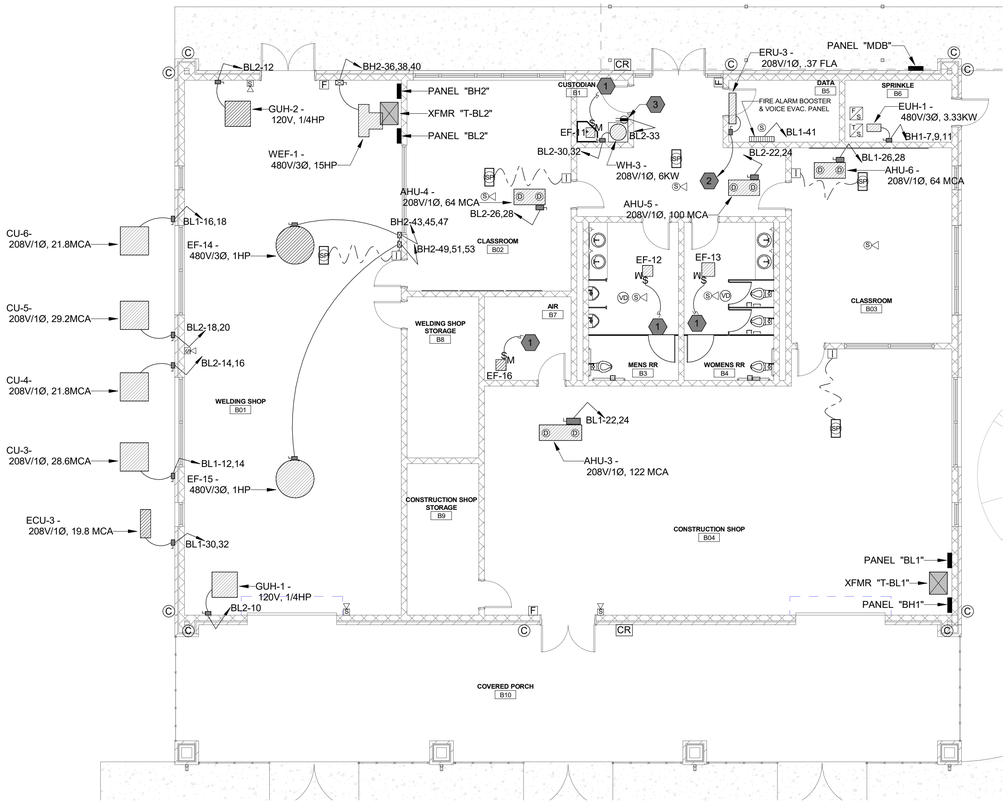

1 Special Systems & Mechanical/Plumbing Connection Plan - Building B
1/8" = 1'-0"

Special Systems Plan Notes

1. THE ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS UPON WHICH THE CONTRACT DOCUMENTS ARE BASED MAY BE INACCURATE OR INCOMPLETE. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS AND MODIFY AS REQUIRED.

2. THE CONTRACTOR IS RESPONSIBLE FOR INCLUDING IN BID A COMPLETE AND WORKING SYSTEM IN ACCORDANCE WITH THE MOST CURRENT TO DATE SEALED ARCHITECTURAL CONTRACT DOCUMENTS.

3. DEVICE LOCATIONS REPRESENT INTENT AND ARE NOT MEANT TO SHOW THE EXACT LOCATION OF DEVICES. DO NOT SCALE DEVICES FROM THESE DRAWINGS. VERIFY EXACT LOCATION OF ALL DEVICES WITH THE ARCHITECT PRIOR TO ROUGH-IN.

3. VERIFY THE EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECH. CONTR. AND PLUMBING CONTR. PRIOR TO ROUGH-IN.

4. EACH 120 VOLT CIRCUIT SHALL HAVE ITS OWN SEPARATE NEUTRAL; SHARING OF NEUTRAL CONDUCTORS IS NOT ALLOWED.

5. PROVIDE A 277 VOLT MOTOR-RATED TOGGLE SWITCH IN THE FACE OF THE PTAC SUBBASE AND IT SHALL BE ACCESSIBLE; SWITCH SHALL NOT BE LOCATED INSIDE OF THE BASE WITH AN ACCESSIBLE COVER. COORDINATE INSTALLATION AND CONNECTION WITH THE MECH. CONTR. PRIOR TO ROUGH-IN.

7. FOR EACH CARD READER "CR" LOCATION, PROVIDE A 4" SQUARE BOX WITH A SINGLE GANG PLASTER RING AND ROUTE A 1/2" CONDUIT INTO AN ACCESSIBLE LOCATION ABOVE THE CEILING INSIDE OF THE BUILDING AND ROUTE A PURPLE CAT 6 DATA CABLE FROM EACH LOCATION TO THE DATA CABINET IN THE DATA ROOM AND LEAVE 10' OF SLACK AT THE CABINET. ROUTE A 22/6C SHIELDED CABLE FROM THE DOOR CONTROLLER TO THE DOOR READER AND A 18/4C SHIELDED CABLE FROM THE CONTROLLER TO THE DOOR JAMB FOR THE STRIKE.

8. FROM EACH CAMERA LOCATION SHOWN OUTSIDE THE BUILDING, PROVIDE A 4" SQUARE WEATHERPROOF OUTLET BOX 9' AFF WITH 3/4" KNOCKOUTS FLUSH IN THE EXTERIOR WALLS FOR SECURITY CAMERAS AND RUN A 3/4" CONDUIT TO AN ACCESSIBLE LOCATION ABOVE THE CEILING IN THE BUILDING WITH A BUSHING ON THE END OF THE CONDUIT. ROUTE A YELLOW CAT6 CABLE TO THE DATA CABINET IN THE DATA ROOM AND TERMINATE; CAMERAS FURNISHED, INSTALLED AND CONNECTED BY THE OWNER. COORDINATE EXACT LOCATION OF CAMERA OUTLET BOX LOCATIONS WITH THE OWNER PRIOR TO INSTALLATION.

9. FROM EACH CAMERA LOCATION SHOWN INSIDE THE BUILDING, PROVIDE A 4" SQUARE OUTLET BOX 9' AFF WITH 3/4" KNOCKOUTS FLUSH IN THE INTERIOR WALLS FOR SECURITY CAMERAS AND RUN A 3/4" CONDUIT TO AN ACCESSIBLE LOCATION ABOVE THE CEILING IN THE BUILDING WITH A BUSHING ON THE END OF THE CONDUIT. ROUTE A YELLOW CAT6 CABLE TO THE DATA CABINET IN THE DATA ROOM AND TERMINATE; CAMERAS FURNISHED, INSTALLED AND CONNECTED BY THE OWNER. COORDINATE EXACT LOCATION OF CAMERA OUTLET BOX LOCATIONS WITH THE OWNER PRIOR TO INSTALLATION.

10. COORDINATE EXACT LOCATION OF EXTERIOR TRUMPET SPEAKERS WITH THE OWNER PRIOR TO ROUGH-IN.

11. ALL FIRE ALARM WIRING SHALL BE RUN IN CONDUIT IN AREAS WITHOUT CEILINGS OR AREAS WHERE CABLES WOULD BE VISIBLE TO VIEW. FIRE ALARM WIRING MAY BE RUN OPEN WIRING IN AREAS WHERE THE CABLES ARE CONCEALED FROM VIEW AND ACCESSIBLE AS DEFINED BY NEC.

12. PROVIDE DUCT MOUNTED SMOKE DETECTORS IN ALL AHU's & RTUs THAT ARE 5 TONS OR GREATER OR HAVE 2,000 CFM OR GREATER. PROVIDE DETECTORS IN BOTH THE SUPPLY AND RETURN DUCTS. INSTALL PER THE MANUFACTURE'S INSTRUCTIONS.

13. PROVIDE REMOTE INDICATOR/ TEST STATIONS FOR ALL DUCT MOUNTED SMOKE DETECTORS LOCATED IN AREAS WHERE THEIR INDICATOR LIGHT IS NOT VISIBLE FROM NORMALLY OCCUPIED AREAS.

14. LOCATE RECEPTACLE WITHIN CORD REACH OF CIRCULATION PUMP. PROVIDE 6' LONG #12 2/C WITH GROUND SJ CORD AND NEMA 5-20P PLUG AND CONNECT TO CIRCULATION PUMP. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.

16. SEE FOOD SERVICE DRAWINGS FOR KITCHEN EQUIPMENT ELECTRICAL SCHEDULE AND ADDITIONAL WORK REQUIRED BY THE ELECT. CONTR.

17. CONNECT ALL DEVICES BELOW THE HOOD TO THE HOOD EXTINGUISHING SYSTEM; WHEN THE HOOD EXTINGUISHING SYSTEM IS ACTIVATED ALL OF THE CIRCUITS SERVING THOSE DEVICES SHALL OPEN.

18. ROUTE A CAT6 DATA CABLE FROM EACH VAPE DETECTOR TO THE NEAREST DATA CABINET AND TERMINATE AT THE CABINET. VERIFY THE EXACT LOCATION OF THE DETECTOR(S) WITH THE MANUFACTURER PRIOR TO INSTALLATION IN ORDER TO ATTAIN MAXIMUM COVERAGE OF THE ROOM; ADJUST ACCORDINGLY. VAPE DETECTORS ARE TO BE FURNISHED, INSTALLED AND CONNECTED BY THE OWNER.

19. ALL COMBINATION STARTER/DISCONNECT SWITCHES SHALL BE PROVIDED BY THE MECH. CONTR., INSTALLED AND CONNECTED BY THE ELECTR. CONTR.; COORDINATE WITH THE MECH. CONTR. PRIOR TO ROUGH-IN.

20. PROVIDE FIVE (5) INTERCOM SYSTEM ADMINISTRATIVE CONSOLES IN LOCATIONS AS DIRECTED BY THE OWNER/ARCHITECT.

21. ALL WORK SHOWN IS NEW UNLESS NOTED OTHERWISE.

Electrical Plan Keynotes

1 CONNECT TO LIGHT(S) IN THIS ROOM; WHEN THE LIGHTS COME ON THE EXHAUST FAN SHALL OPERATE.

2 ROUTE A 1/2"C, 3C#12 TWISTED SHIELDED CABLE TO ECU-3.

3 LOCATE DUPEX RECEPTACLE 6' AFF FOR HOT WATER CIRCULATING PUMP CP-1. LOCATE RECEPTACLE WITHIN CORD REACH OF CIRCULATION PUMP. PROVIDE 6' LONG #12 2/C WITH GROUND SJ CORD AND NEMA 5-20P PLUG AND CONNECT TO CIRCULATION PUMP. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

SPECIAL SYSTEMS PLAN - Building B

SHEET # E401

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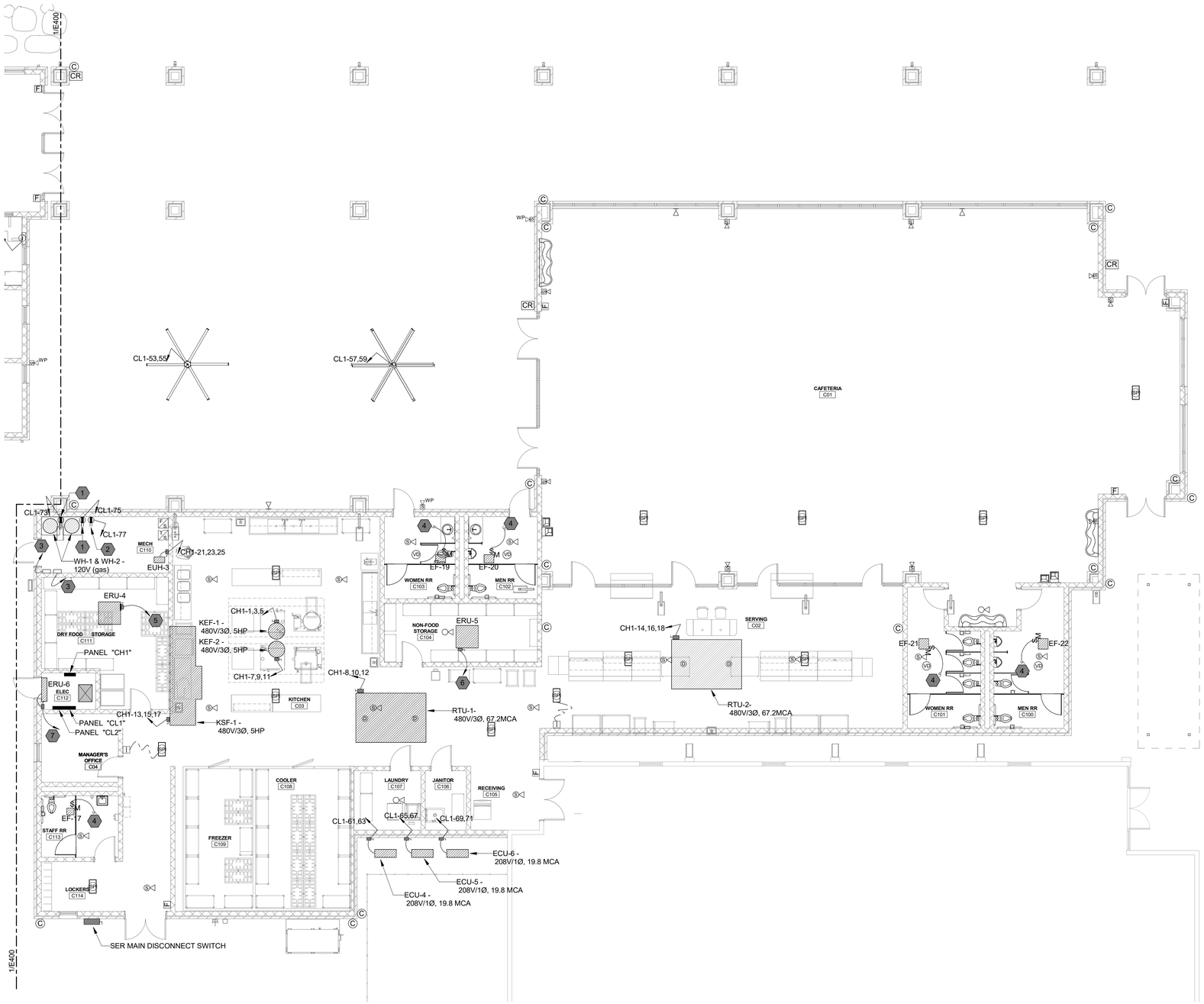
	SYSTEM INPUT	SYSTEM OUTPUT	A	B	C	D	E	F	G	H	I	J	K	L	M
1	MANUAL PULL STATION	DISPLAY GENERAL ALARM MESSAGE ON CONTROL AND REMOTE ANNUNCIATOR PANELS	X				X		X						
2	AREA SMOKE DETECTOR	DISPLAY TROUBLE MESSAGE ON CONTROL AND REMOTE ANNUNCIATOR PANELS	X				X		X						
3	DUCT MOUNTED SMOKE DETECTOR	DISPLAY SUPERVISORY MESSAGE ON CONTROL AND REMOTE ANNUNCIATOR PANELS			X	X		X			X				
4	SMOKE DETECTOR AT ELEVATOR LANDINGS	ACTIVATE LOCAL ALARM AT CONTROL PANEL AND REMOTE ANNUNCIATOR PANEL	X				X		X			X			
5	HEAT DETECTORS IN ELEVATOR	ACTIVATE EVACUATION NOTIFICATION APPLIANCESACTIVATE EVACUATION NOTIFICATION APPLIANCES	X				X		X				X		
6	BATTERY TEST FAILURE	SHUT DOWN ASSOCIATED AIR HANDLING UNIT		X						X					
7	SLC OR NOTIFICATION CIRCUIT OPEN OR GROUND	TRANSMIT ALARM SIGNAL TO REMOTE MONITORING STATION		X						X					
8	SPRINKLER TAMPER OR FLOW SWITCH	TRANSMIT TROUBLE SIGNAL TO REMOTE MONITORING STATION	X				X		X						
9	SMOKE DETECTOR AT SMOKE DOOR	TRANSMIT SUPERVISORY SIGNAL TO REMOTE MONITORING STATION	X				X		X						X
10	SMOKE DETECTOR AT SMOKE DAMPER	TRANSMIT RECALL SIGNAL TO ELEVATOR MACHINE CONTROLLER			X	X					X				X
		ACTIVATEASHUNT TRIP BREAKERS FOR ELEVATOR MACHINE													
		RELEASE DOOR HOLD OPEN DEVICES ASSOCIATED WITH SMOKE DETECTORS													
		CLOSE SMOKE DAMPER ASSOCIATED WITH SMOKE DETECTORS													

2 Fire Alarm Sequence of Operation - Loranger HS
Not to Scale



1 Special Systems & Mechanical/Plumbing Connection Plan - Building C
1/8" = 1'-0"

SEE SHEET E401 FOR SPECIAL SYSTEM PLAN NOTES

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PROJECT No. 2412

LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

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SPECIAL SYSTEMS PLAN - Building C

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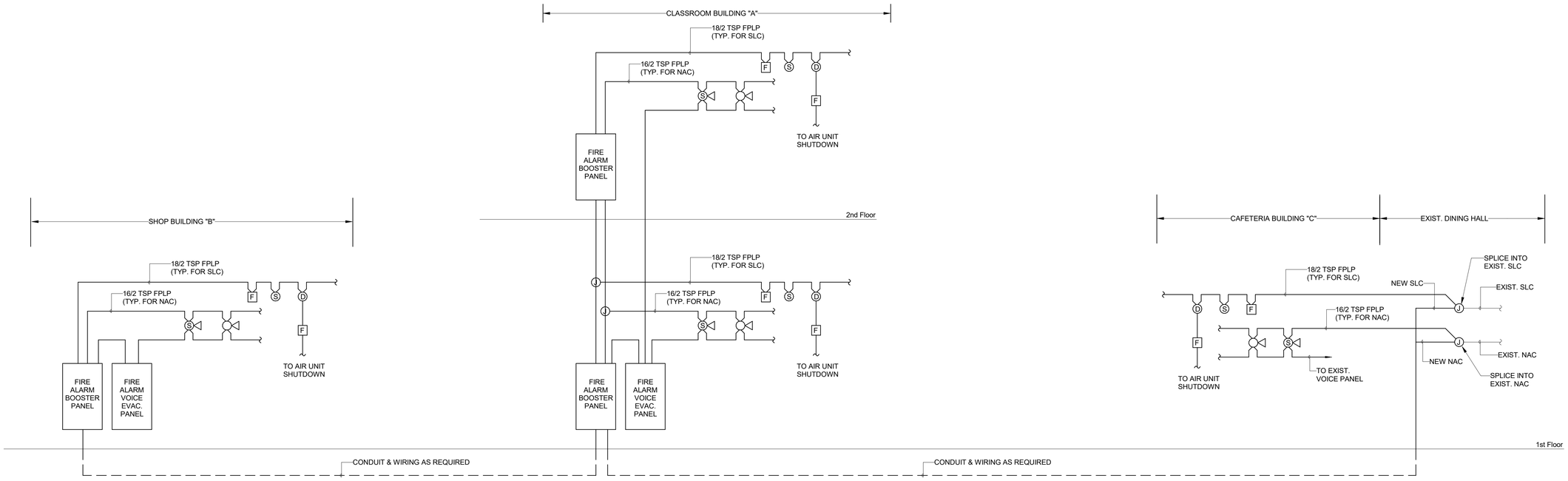
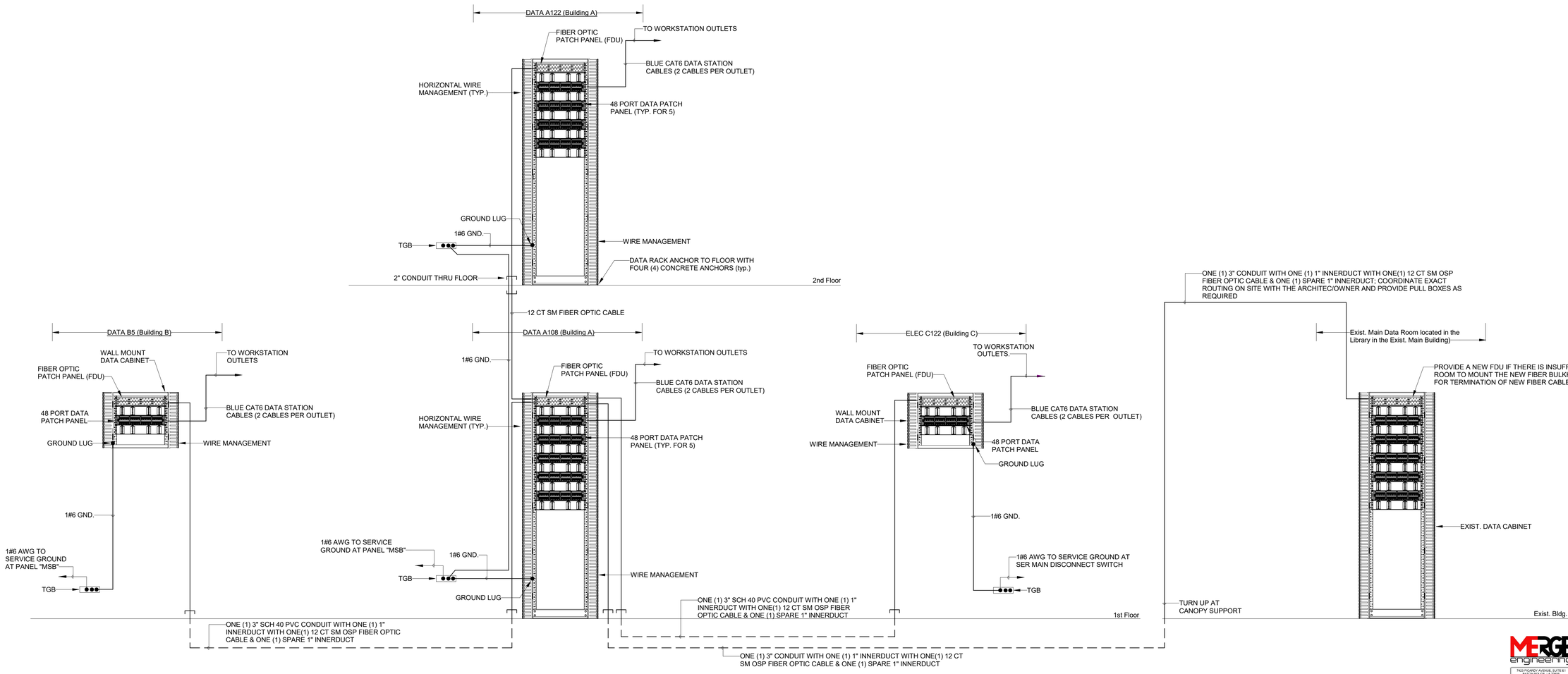


1 FIRE ALARM RISER DIAGRAM
Not to Scale



2 COMMUNICATIONS RISER DIAGRAM
Not to Scale

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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
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REVISIONS

Riser Diagrams

SHEET # E500

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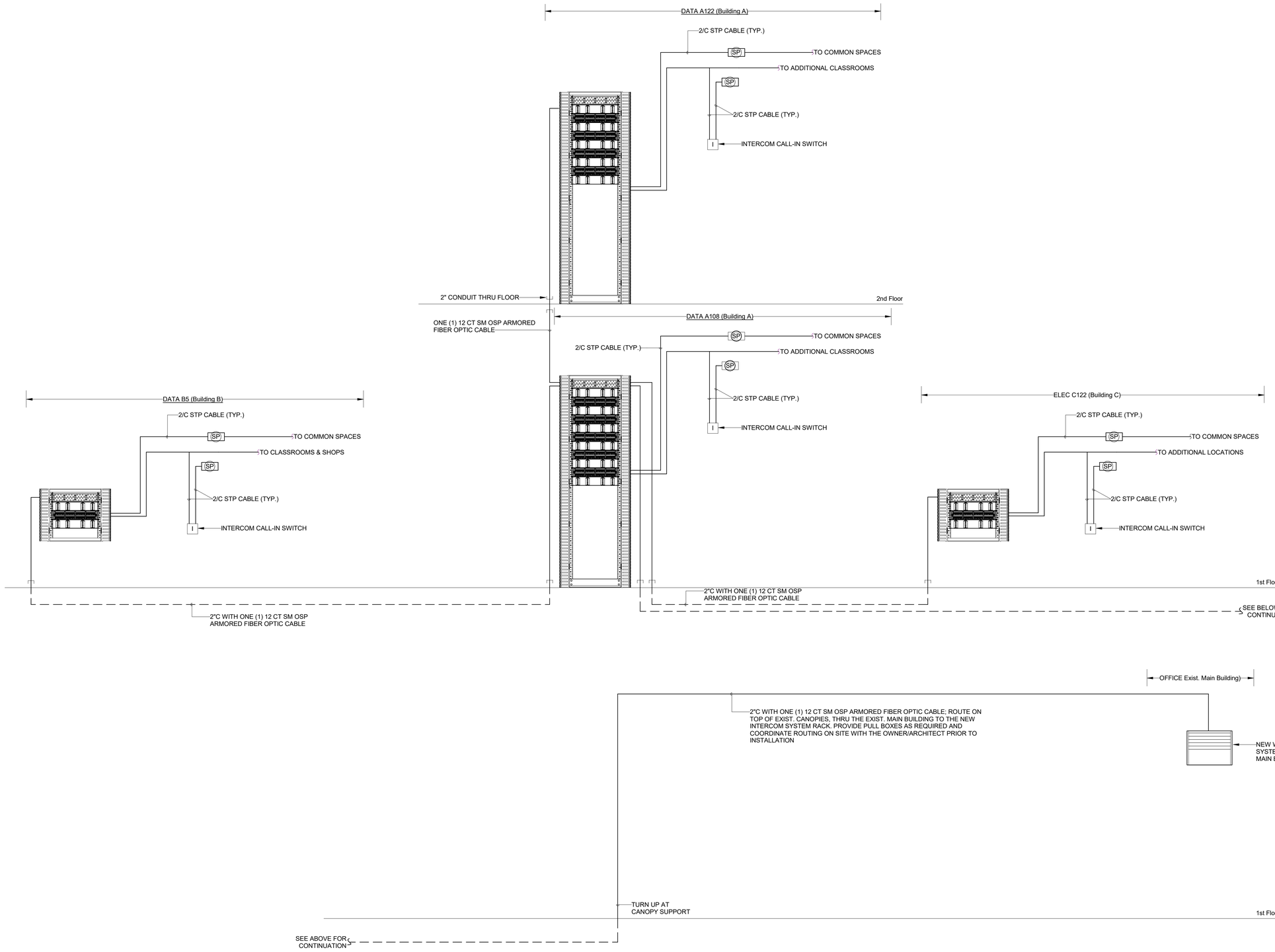

1 Intercom Riser Diagram
12" = 1'-0"

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

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REVISIONS

Riser Diagrams

SHEET # E501

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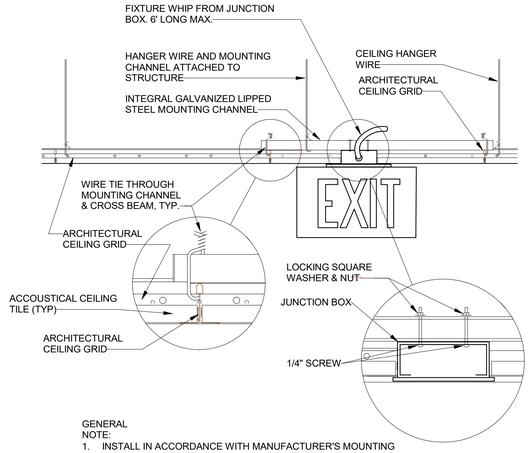
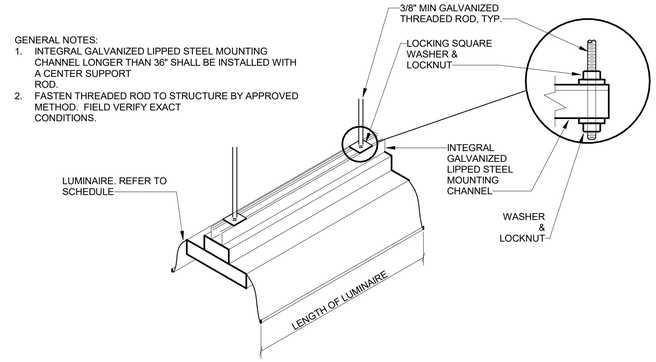


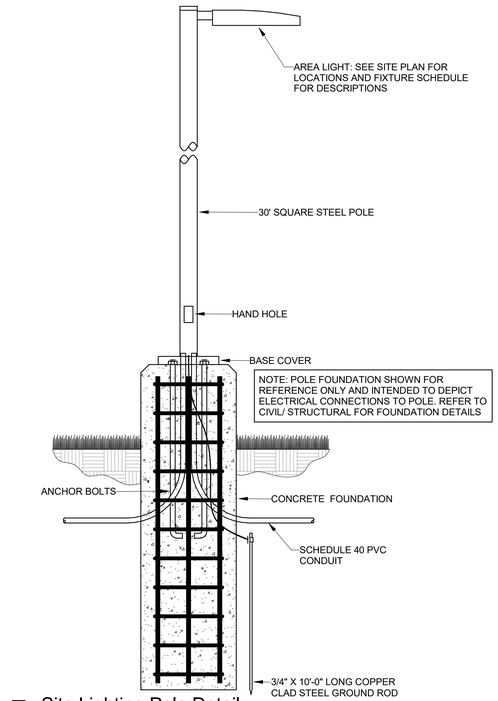
GENERAL NOTE:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

1 Exit Sign Mounting - Grid Ceiling
Not to Scale

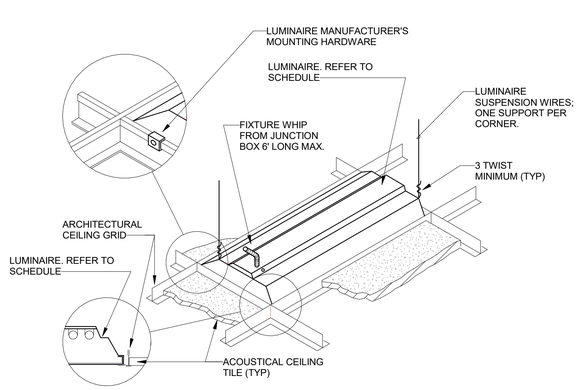


GENERAL NOTES:
1. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD. FIELD VERIFY EXACT CONDITIONS.

2 Luminaire Mounting - Pendant
Not to Scale

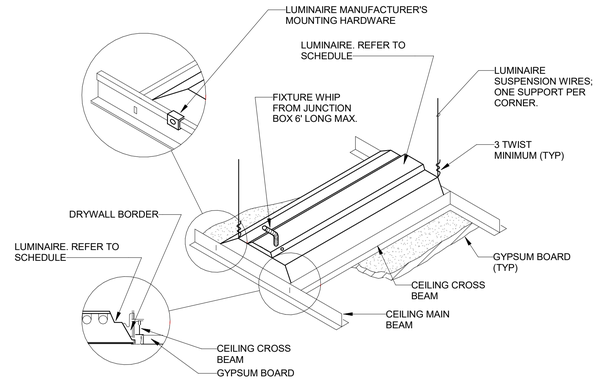


5 Site Lighting Pole Detail
Not to Scale



NOTE:
TWO (2) #10 AWG GALVANIZED STEEL WIRES AT ALL CORNERS WITHIN 4" OF FIXTURE CORNER DIRECTLY FROM STRUCTURES.

3 Recessed Luminaire Mounting - Grid Ceiling
Not to Scale



NOTE:
FOUR (4) #10 AWG GALVANIZED STEEL WIRES AT ALL CORNERS WITHIN 4" OF FIXTURE CORNER DIRECTLY FROM STRUCTURES.

4 Recessed Luminaire Mounting - Gypboard Ceiling
Not to Scale

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
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10/13/26

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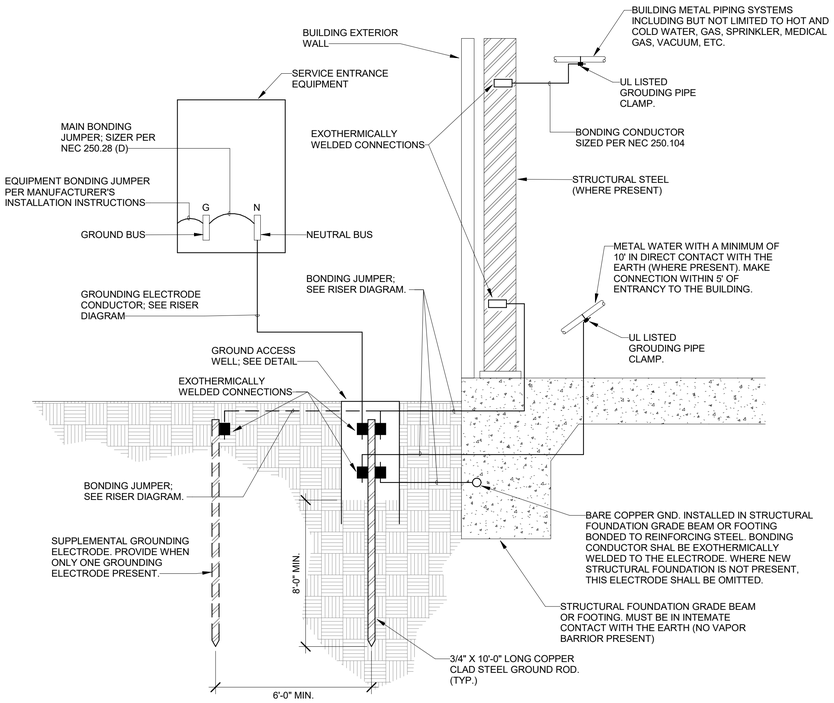
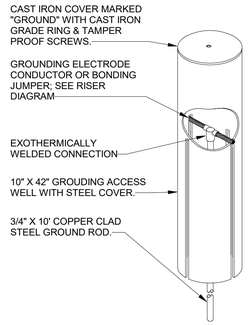
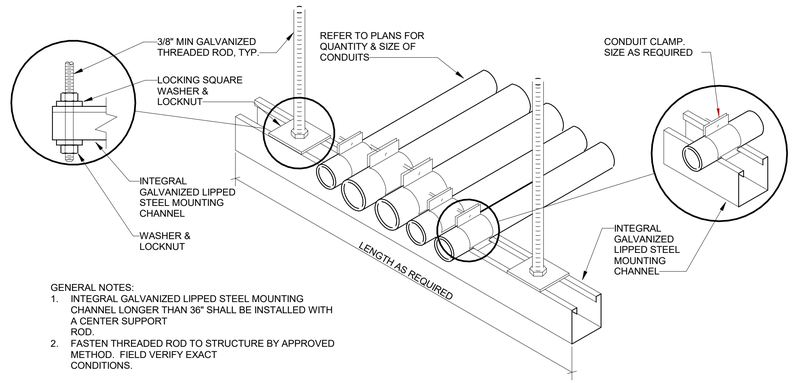


1 Grounding Electrode System
Not to Scale

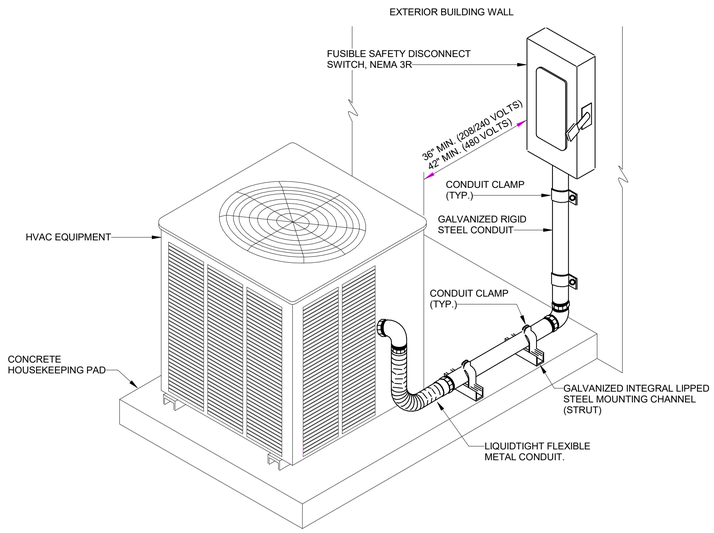


2 GROUND ACCESS WELL
Not to Scale

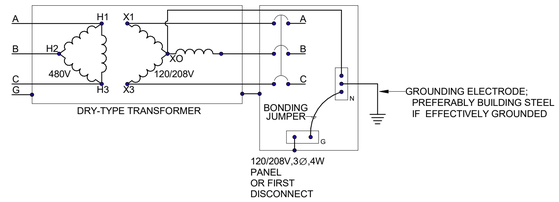


GENERAL NOTES:
1. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD. FIELD VERIFY EXACT CONDITIONS.

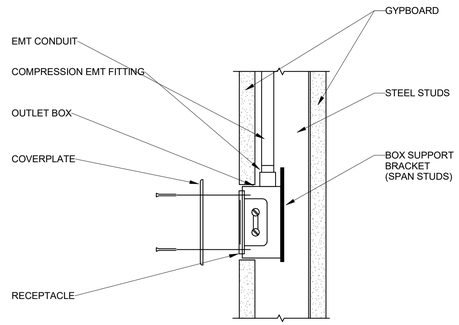
3 Conduit Trapeze Mounting Detail
Not to Scale



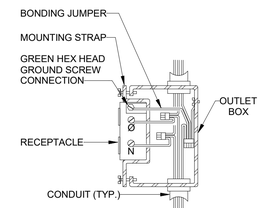
4 HVAC Connection Detail
Not to Scale



5 Transformer & Panel Grounding Detail
12" = 1'-0"



6 Flush Mount Outlet Detail
Not to Scale



7 Receptacle Installation Detail2
Not to Scale

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
DAVID J. SOKALA
License No. 32356
PROFESSIONAL ENGINEER
STATE OF LOUISIANA
10/13/26

REVISIONS

Details

SHEET # E503

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7433 PICARDY AVENUE, SUITE E1
BATON ROUGE, LA 70808
(225) 615-2965
DAVID J. SOKALA, PE LA #32356
MERGE ENGINEERING, LLC, FIRM #5753
PRINTED: 10-13-2026

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PANEL MDA

Location:
Fed From:

Type: Surface, Type 3R
Voltage: 480/277 Wye, 3PH, 4W
Mains: 1200 A MAIN BREAKER
A.I.C. RATING: 65,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Panel "AH1"	See Riser Diagram		400 A	3	74167	77301					3	400 A		See Riser Diagram	Panel "AH2"	2
3	--	--	--	--	--			70299	74410			--	--	--	--	--	4
5	--	--	--	--	--					79770	72447	--	--	--	--	--	6
7	Surge Suppressor	See Riser Diagram		60 A	3	0	85118					3	400 A		See Riser Diagram	Panel "CH1"	8
9	--	--	--	--	--			0	86181			--	--	--	--	--	10
11	--	--	--	--	--					0	83110	--	--	--	--	--	12
13	Space			--	1	--	0					1	20 A			Spare	14
15	Space			--	1			--	0			1	20 A			Spare	16
17	Space			--	1					--	0	1	20 A			Spare	18
19	Space			--	1	--	0					1	20 A			Spare	20
21	Space			--	1			--	0			1	20 A			Spare	22
23	Space			--	1					--	0	1	20 A			Spare	24
25	Space			--	1	--	0					1	20 A			Spare	26
27	Space			--	1			--	0			1	20 A			Spare	28
29	Space			--	1					--							30
				Total Load:		236581 VA		230889 VA		235327 VA							
				Total Amps:		857 A		834 A		852 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	146106 VA	100.00%	146106 VA		
Heating	259956 VA	100.00%	259956 VA	**Total Conn. Load:**	702796 VA
Kitchen Equipment - Non-Dwelling Unit	90730 VA	65.00%	58975 VA	**Total Est. Demand:**	639676 VA
Motor	45561 VA	112.32%	51173 VA	**Total Conn.:**	845 A
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	769 A
Receptacle	83960 VA	55.96%	46980 VA		
Power	500 VA	100.00%	500 VA		
Lighting	38178 VA	100.00%	38178 VA		
Water Heater	6000 VA	100.00%	6000 VA		
General Non-Continuous	32400 VA	100.00%	32400 VA		

Notes:

PANEL MDB

Location:
Fed From:

Type: Surface, Type 3R
Voltage: 480/277 Wye, 3PH, 4W
Mains: 600 A MLO
A.I.C. RATING: 65,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Panel "BH1"	See Riser Diagram		225 A	3	32758	81014					3	400 A		See Riser Diagram	Panel "BH2"	2
3	--	--	--	--	--			36797	81627			--	--	--	--	--	4
5	--	--	--	--	--					33811	76733	--	--	--	--	--	6
7	Surge Suppressor	See Riser Diagram		60 A	3	0	--					1	--			Space	8
9	--	--	--	--	--			0	--			1	--			Space	10
11	--	--	--	--	--					0	--	1	--			Space	12
13	Space			--	1	--	--					1	--			Space	14
15	Space			--	1			--	--			1	--			Space	16
17	Space			--	1					--	--	1	--			Space	18
				Total Load:		113772 VA		118424 VA		110544 VA							
				Total Amps:		413 A		429 A		399 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	16874 VA	100.00%	16874 VA		
Heating	66256 VA	100.00%	66256 VA	**Total Conn. Load:**	342740 VA
Motor	30096 VA	114.50%	34461 VA	**Total Est. Demand:**	315830 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	412 A
Receptacle	72550 VA	56.89%	41275 VA	**Total Est. Demand:**	380 A
Lighting	3600 VA	100.00%	3600 VA		
Water Heater	6000 VA	100.00%	6000 VA		
General Non-Continuous	147376 VA	100.00%	147376 VA		

Notes:

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20 CLASSROOM ADDITION
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TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD

REVISIONS

Panel Schedules

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MERGE ENGINEERING LLC, FIRM #5783

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PANEL AH1

Location: ELEC A116
Fed From: MDA

Type: Surface, Type 1
Voltage: 480/277 Wye, 3PH, 4W
Mains: 400 A MLO
A.I.C. RATING: 22,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Lights	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	2524	18677					3	125 A		See Riser Diagram	XFMR "T-AL1" (Panel "AL1")	2
3	Lights	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			2516	16790			--	--	--	--	--	4
5	Lights	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					3121	22047	--	--	--	--	--	6
7	Lights	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	2077	3500					1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	8
9	Lights-Exterior	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1			708	3500			1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	10
11	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1					3500	3500	1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	12
13	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1	3500	3500					1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	14
15	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1			3500	3500			1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	16
17	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1					3500	3500	1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	18
19	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1	3500	3500					1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	20
21	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1			3500	3500			1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	22
23	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1					3500	3500	1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	24
25	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1	3500	3500					1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	26
27	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1			3500	3500			1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	28
29	PTAC-1	1/2"C, 2#10 & 1#10 Gnd.		30 A	1					3500	3500	1	30 A		1/2"C, 2#10 & 1#10 Gnd.	PTAC-1	30
31	Lights-Exterior Canopy	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1	1050	6714					3	40 A		3/4"C, 3#8 & 1#8 Gnd.	CU-1	32
33	Lighting-Road	1/2"C, 2#10 & 1#10 Gnd.	1	20 A	1			423	6714			--	--	--	--	--	34
35	Lighting-Parking Lot	1/2"C, 2#10 & 1#10 Gnd.	1	20 A	1					1215	6714	--	--	--	--	--	36
37	Spare			20 A	1	0	2106					3	30 A		1/2"C, 3#10 & 1#10 Gnd.	AHU-1	38
39	Spare			20 A	1			0	2106			--	--	--	--	--	40
41	Spare			20 A	1					0	2106	--	--	--	--	--	42
43	Spare			20 A	1	0	13334					3	70 A		1"C, 3#4 & 1#8 Gnd.	EDH-1	44
45	Spare			20 A	1			0	13333			--	--	--	--	--	46
47	Space			--	1					--	13333	--	--	--	--	--	48
49	Space			--	1	--	3330					3	20 A		1/2"C, 3#12 & 1#12 Gnd.	EUH-2	50
51	Space			--	1			--	3330			--	--	--	--	--	52
53	Space			--	1					--	3330	--	--	--	--	--	54
55	Space			--	1	--	--					1	--			Space	56
57	Space			--	1			--	--			1	--			Space	58
59	Space			--	1					--	--	1	--			Space	60
61	Space			--	1	--	--					1	--			Space	62
63	Space			--	1			--	--			1	--			Space	64
65	Space			--	1					--	--	1	--			Space	66
				Total Load:		74167 VA		70299 VA		79770 VA							
				Total Amps:		270 A		254 A		290 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	23436 VA	100.00%	23436 VA		
Heating	133308 VA	100.00%	133308 VA	**Total Conn. Load:**	224235 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	210826 VA
Receptacle	36820 VA	63.58%	23410 VA	**Total Conn.:**	270 A
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	254 A
Lighting	13526 VA	100.00%	13526 VA		
Water Heater	6000 VA	100.00%	6000 VA		
General Non-Continuous	10900 VA	100.00%	10900 VA		

Notes:
1. Provide a time switch with photocell for control.

PANEL AL1

Location: ELEC A116
Fed From: T-AL1

Type: Surface, Type 1
Voltage: 120/208 Wye, 3PH, 4W
Mains: 250 A MAIN BREAKER
A.I.C. RATING: 10,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1	1540	1260					1	20 A		1/2C",2#12 & 1#12 Gnd.	Receptacles	2
3	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1			860	1080			1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	4
5	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1					860	1540	1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	6
7	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1	1540	860					1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	8
9	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1			720	860			1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	10
11	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1					720	1540	1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	12
13	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1	900	1540					1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	14
15	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1			900	860			1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	16
17	Receptacles	1/2"C,2#12 & 1#12 Gnd.		20 A	1					900	860	1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	18
19	Receptacles-Tel. Bkbd.	1/2"C,2#12 & 1#12 Gnd.		20 A	1	360	1540					1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	20
21	Receptacles-Tel. Bkbd.	1/2"C,2#12 & 1#12 Gnd.		20 A	1			360	1540			1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	22
23	Receptacle-Tel. Bkbd.	1/2"C,2#12 & 1#12 Gnd.		30 A	1					2000	860	1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	24
25	Receptacle	1/2"C,2#12 & 1#12 Gnd.		20 A	1	720	860					1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	26
27	Receptacle	1/2"C,2#12 & 1#12 Gnd.		20 A	1			860	1540			1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacles	28
29	Receptacle	1/2"C,2#12 & 1#12 Gnd.		20 A	1					1720	1500	1	20 A		1/2"C,2#12 & 1#12 Gnd.	Hand Dryer	30
31	Receptacle	1/2"C,2#12 & 1#12 Gnd.		20 A	1	860	1500					1	20 A		1/2"C,2#12 & 1#12 Gnd.	Hand Dryer	32
33	Receptacle	1/2"C,2#12 & 1#12 Gnd.		20 A	1			860	1500			1	20 A		1/2"C,2#12 & 1#12 Gnd.	Hand Dryer	34
35	Receptacle	1/2"C,2#12 & 1#12 Gnd.		20 A	1					1720	1500	1	20 A		1/2"C,2#12 & 1#12 Gnd.	Hand Dryer	36
37	Receptacle-EWC	1/2"C,2#12 & 1#12 Gnd.	1	20 A	1	600	1500					1	20 A		1/2"C,2#12 & 1#12 Gnd.	Hand Dryer	38
39	Receptacle-EWC	1/2"C,2#12 & 1#12 Gnd.	1	20 A	1			600	750			1	20 A		1/2"C,2#12 & 1#12 Gnd.	Receptacle - Elevator Pit	40
41	Receptacle-H.W. Recirc. Pump	1/2"C,2#12 & 1#12 Gnd.		20 A	1					180	1647	2	20 A		1/2"C,2#12 & 1#12 Gnd.	ECU-1/ERU-1	42
43	Receptacle-Copy Machine	1/2"C,2#12 & 1#12 Gnd.		20 A	1	1200	1647					--	--	--	--	--	44
45	Fire Alarm Booster & Voice...	1/2"C,2#12 & 1#12 Gnd.		20 A	1			500	3000			2	40 A		3/4"C,2#8 & 1#8 Gnd.	WH-4	46
47	Receptacle-BFP Heater	1"C, 2#6 & 1#8 Gnd.		20 A	1					1500	3000	--	--	--	--	--	48
49	Rescue Assistance System	1/2"C,2#12 & 1#12 Gnd.		20 A	1	250	0					1	20 A			Spare	50
51	Spare			20 A	1			0	0			3	30 A		See Riser Diagram	Surge Suppressor	52
53	Spare			20 A	1					0	0	--	--	--	--	--	54
55	Spare			20 A	1	0	0					--	--	--	--	--	56
57	Spare			20 A	1			0									58
59	Spare			20 A	1					0							60
61	Spare			20 A	1	0	--					1	--			Space	62
63	Space			--	1			--	--			1	--			Space	64
65	Space			--	1					--	--	1	--			Space	66
67	Space			--	1	--	--					1	--			Space	68
69	Space			--	1			--	--			1	--			Space	70
71	Space			--	1					--	--	1	--			Space	72
				Total Load:		18677 VA		16790 VA		22047 VA							
				Total Amps:		158 A		140 A		186 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3294 VA	100.00%	3294 VA		
Receptacle	36820 VA	63.58%	23410 VA	**Total Conn. Load:**	57514 VA
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	44104 VA
Water Heater	6000 VA	100.00%	6000 VA	**Total Conn.:**	160 A
General Non-Continuous	10900 VA	100.00%	10900 VA	**Total Est. Demand:**	122 A

Notes:
1. Provide a ground-fault circuit breaker.

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20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

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DAVID J. SOILEAU
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IN
ELECTRICAL ENGINEERING
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MERGE ENGINEERING LLC, FIRM #5793
PRINTED: 10-13-2026

Panel Schedules

SHEET # E601

PANEL AH2

Location: ELEC A118
Fed From: MDA

Type: Surface, Type 1
Voltage: 480/277 Wye, 3PH, 4W
Mains: 400 A MLO
A.I.C. RATING: 22,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Lighting	1/2"C, 2#12 & 1#12...		20 A	1	2524	19527					3	70 A		See Riser Diagram	XFMR "AL-2" (Panel "AL2")	2
3	Lighting	1/2"C, 2#12 & 1#12...		20 A	1			2516	14380			--	--	--	--	--	4
5	Lighting	1/2"C, 2#12 & 1#12...		20 A	1					2924	15527	--	--	--	--	--	6
7	Lighting	1/2"C, 2#12 & 1#12...		20 A	1	1241	3500					1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	8
9	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1			3500	3500			1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	10
11	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1					3500	3500	1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	12
13	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1	3500	3500					1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	14
15	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1			3500	3500			1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	16
17	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1					3500	3500	1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	18
19	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1	3500	3500					1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	20
21	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1			3500	3500			1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	22
23	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1					3500	3500	1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	24
25	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1	3500	3500					1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	26
27	PTAC-1	1/2"C, 2#10 & 1#10...		30 A	1			3500	3500			1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	28
29	AHU-2	1/2"C, 3#10 & 1#10...		30 A	3					2106	3500	1	30 A		1/2"C, 2#10 & 1#10...	PTAC-1	30
31	--	--	--	--	--	2106	6714					3	40 A		3/4"C, 3#8 & 1#8 Gnd.	CU-2	32
33	--	--	--	--	--			2106	6714			--	--	--	--	--	34
35	EDH-2	1"C, 3#4 & 1#8 GND.		70 A	3					13334	6714	--	--	--	--	--	36
37	--	--	--	--	--	13333	--					1	--			Space	38
39	--	--	--	--	--			13333	--			1	--			Space	40
41	Elevator	1"C, 3#6 & 1#8 GND.		60 A	3					7482	--	1	--			Space	42
43	--	--	--	--	--	7482	--					1	--			Space	44
45	--	--	--	--	--			7482	--			1	--			Space	46
47	Shunt Space			--	1					--	--	1	--			Space	48
49	Space			--	1	--	--					1	--			Space	50
51	Space			--	1			--	--			1	--			Space	52
53	Space			--	1					--	--	1	--			Space	54
					Total Load:	77301 VA		74410 VA		72447 VA							
					Total Amps:	280 A		270 A		262 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	23436 VA	100.00%	23436 VA		
Heating	123318 VA	100.00%	123318 VA	**Total Conn. Load:**	224158 VA
Motor	22447 VA	125.00%	28059 VA	**Total Est. Demand:**	218350 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	270 A
Receptacle	32840 VA	65.23%	21420 VA	**Total Est. Demand:**	263 A
Lighting	9656 VA	100.00%	9656 VA		
General Non-Continuous	12800 VA	100.00%	12800 VA		

Notes:

PANEL AL2

Location: ELEC A118
Fed From: T-AL2

Type: Surface, Type 1
Voltage: 120/208 Wye, 3PH, 4W
Mains: 150 A MAIN BREAKER
A.I.C. RATING: 10,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1540	1080					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	2
3	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			860	900			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	4
5	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					860	540	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	6
7	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1540	1540					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	8
9	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			900	860			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	10
11	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					900	860	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	12
13	Receptacle-Tel. Bkbd.	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	360	1540					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	14
15	Receptacle-Tel. Bkbd.	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			360	1540			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	16
17	Receptacle-Tel. Bkbd.	1/2"C, 2#10 & 1#10 Gnd.		30 A	1					2000	860	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	18
19	Receptacle-EWC	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1	600	860					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	20
21	Receptacle-EWC	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1			600	1540			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	22
23	Receptacle-Refrigerator	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					1200	1540	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	24
25	Receptacle	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	180	860					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	26
27	Receptacle	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			180	860			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	28
29	Receptacle	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					180	1540	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacles	30
31	Receptacle-Refrigerator	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1200	1500					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Hand Dryer	32
33	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			720	1500			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Hand Dryer	34
35	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					540	1500	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Hand Dryer	36
37	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1540	1500					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Hand Dryer	38
39	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			860	1500			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Hand Dryer	40
41	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					860	1647	2	20 A		1/2"C, 2#12 & 1#12 Gnd.	ECU-2/ERU-2	42
43	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1540	1647					--	--	--	--	--	44
45	Receptacle-Copy Machine	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			1200	0			3	30 A		See Riser Diagram	Surge Suppressor	46
47	Fire Alarm Booster Panel	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					500	0	--	--	--	--	--	48
49	Lighting-Elevator Cab	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	500	0					--	--	--	--	--	50
51	Shunt Space			20 A	1			0	--			1	--			Space	52
53	Spare			20 A	1					0	--	1	--			Space	54
55	Spare			20 A	1	0	--					1	--			Space	56
57	Spare			20 A	1			0	--			1	--			Space	58
59	Spare			20 A	1					0	--	1	--			Space	60
61	Spare			20 A	1	0	--					1	--			Space	62
63	Spare			20 A	1			0	--			1	--			Space	64
65	Spare			20 A	1					0	--	1	--			Space	66
					Total Load:	19527 VA		14380 VA		15527 VA							
					Total Amps:	164 A		120 A		131 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3294 VA	100.00%	3294 VA		
Receptacle	32840 VA	65.23%	21420 VA	**Total Conn. Load:**	49434 VA
Lighting	500 VA	100.00%	500 VA	**Total Est. Demand:**	38014 VA
General Non-Continuous	12800 VA	100.00%	12800 VA	**Total Conn.:**	137 A
				Total Est. Demand:	106 A

Notes:
1. Provide a ground-fault circuit breaker.

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PROJECT No. 2412

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

PROFESSIONAL OF RECORD
STATE OF LOUISIANA
DAVID J. SOILEAU
License No. 32356
PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING
10/13/26

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PRINTED: 10-13-2026

Panel Schedules

SHEET # E602

PANEL BH1

Location: CONSTRUCTION SHOP B04
Fed From: MDB

Type: Surface, Type 1
Voltage: 480/277 Wye, 3PH, 4W
Mains: 225 A MLO
A.I.C. RATING: 22,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Lighting	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1644	26962					3	175 A		See Riser Diagram	XFMR "T-BL1" (Panel "BL1")	2
3	Lighting-Exterior	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1			480	32159			--	--	--	--	--	4
5	Lighting-Exterior Wall Sconces	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1					52	29601	--	--	--	--	--	6
7	EUH-1	1/2"C, 3#12 & 1#12 Gnd.		20 A	3	1110	3048					3	30 A		1/2"C, 2#10 & 1#10 Gnd.	Air Compressor	8
9	--	--	--	--	--			1110	3048			--	--	--	--	--	10
11	--	--	--	--	--					1110	3048	--	--	--	--	--	12
13	Spare			20 A	1	0	--					1	--			Space	14
15	Spare			20 A	1			0	--			1	--			Space	16
17	Spare			20 A	1					0	--	1	--			Space	18
19	Spare			20 A	1	0	--					1	--			Space	20
21	Spare			20 A	1			0	--			1	--			Space	22
23	Space			--	1					--	--	1	--			Space	24
25	Space			--	1	--	--					1	--			Space	26
27	Space			--	1			--	--			1	--			Space	28
29	Space			--	1					--	--	1	--			Space	30
					Total Load:	32758 VA		36797 VA		33811 VA							
					Total Amps:	118 A		133 A		123 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	8388 VA	100.00%	8388 VA		
Heating	37574 VA	100.00%	37574 VA	**Total Conn. Load:**	103366 VA
Motor	9144 VA	125.00%	11430 VA	**Total Est. Demand:**	91527 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	124 A
Receptacle	38250 VA	63.07%	24125 VA	**Total Est. Demand:**	110 A
Lighting	2175 VA	100.00%	2175 VA		
General Non-Continuous	7840 VA	100.00%	7840 VA		

Notes:
1. Provide a time swith with photocell for control.

PANEL BH2

Location: WELDING SHOP B01
Fed From: MDB

Type: Surface, Type 1
Voltage: 480/277 Wye, 3PH, 4W
Mains: 400 A MLO
A.I.C. RATING: 22,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Lighting	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1427	27468					3	175 A		See Riser Duagram	XFMR "BL-2" (Panel "BL2")	2
3	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2			4104	25395			--	--	--	--	--	4
5	--	--	--	--	--					4104	24605	--	--	--	--	--	6
7	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2	4104	4104					2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Receptacle-Welder	8
9	--	--	--	--	--			4104	4104			--	--	--	--	--	10
11	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2					4104	4104	2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Receptacle-Welder	12
13	--	--	--	--	--	4104	4104					--	--	--	--	--	14
15	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2			4104	4104			2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Receptacle-Welder	16
17	--	--	--	--	--					4104	4104	--	--	--	--	--	18
19	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2	4104	4104					2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Receptacle-Welder	20
21	--	--	--	--	--			4104	4104			--	--	--	--	--	22
23	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2					4104	4104	2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Receptacle-Welder	24
25	--	--	--	--	--	4104	4104					--	--	--	--	--	26
27	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2			4104	4104			2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Receptacle-Welder	28
29	--	--	--	--	--					4104	4104	--	--	--	--	--	30
31	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2	4104	4104					2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Receptacle-Welder	32
33	--	--	--	--	--			4104	4104			--	--	--	--	--	34
35	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2					4104	5820	3	50 A		3/4"C, 3#8 & 1#8 Gnd.	WEH-1	36
37	--	--	--	--	--	4104	5820					--	--	--	--	--	38
39	Receptacle-Welder	1/2"C, 2#10 & 1#10 Gnd.		30 A	2			4104	5820			--	--	--	--	--	40
41	--	--	--	--	--					4104	--	1	--			Space	42
43	EF-14	1/2"C, 3#12 & 1#12 Gnd.		20 A	3	582	--					1	--			Space	44
45	--	--	--	--	--			582	--			1	--			Space	46
47	--	--	--	--	--					582	--	1	--			Space	48
49	EF-15	1/2"C, 3#12 & 1#12 Gnd.		20 A	3	582	--					1	--			Space	50
51	--	--	--	--	--			582	--			1	--			Space	52
53	--	--	--	--	--					582	--	1	--			Space	54
55	Space			--	1	--	--					1	--			Space	56
57	Space			--	1			--	--			1	--			Space	58
59	Space			--	1					--	--	1	--			Space	60
61	Space			--	1	--	--					1	--			Space	62
63	Space			--	1			--	--			1	--			Space	64
65	Space			--	1					--	--	1	--			Space	66
					Total Load:	81014 VA		81627 VA		76733 VA							
					Total Amps:	295 A		297 A		277 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	8486 VA	100.00%	8486 VA		
Heating	28682 VA	100.00%	28682 VA	**Total Conn. Load:**	239374 VA
Motor	20952 VA	120.83%	25317 VA	**Total Est. Demand:**	231589 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	288 A
Receptacle	34300 VA	64.58%	22150 VA	**Total Est. Demand:**	279 A
Lighting	1427 VA	100.00%	1427 VA		
Water Heater	6000 VA	100.00%	6000 VA		
General Non-Continuous	139536 VA	100.00%	139536 VA		

Notes:

PANEL BL1

Location: CONSTRUCTION SHOP B04
Fed From: T-BL1

Type: Surface, Type 1
Voltage: 120/208 Wye, 3PH, 4W
Mains: 400 A MAIN BREAKER
A.I.C. RATING: 10,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Receptacle-Tel. Bkbd.	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1500	1250					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Hand Dryer	2
3	Receptacle-Tel. Bkbd.	1/2"C, 2#10 & 1#10 Gnd.		30 A	1			2000	1250			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Hand Dryer	4
5	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					540	2420	2	40 A		3/4"C, 2#8 & 1#8 Gnd.	Dust Collector	6
7	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	540	2420					--	--	--	--	--	8
9	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			540	180			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Receptacle-Air Dryer	10
11	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					540	2380	2	45 A		3/4"C, 2#6 & 1#8 Gnd.	CU-3	12
13	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	180	2380					--	--	--	--	--	14
15	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			180	1814			2	35 A		3/4"C, 2#8 & 1#8 Gnd.	CU-6	16
17	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					540	1814	--	--	--	--	--	18
19	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1500	1000					1	20 A		3/4"C, 2#8 & 1#8 Gnd.	Receptacle	20
21	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			1500	10150			2	125 A		1-1/4"C, 2#1 & 1#6 Gnd.	AHU-3	22
23	Receptacle	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					750	10150	--	--	--	--	--	24
25	Receptacle	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	900	5325					2	70 A		1"C, 2#4 & 1#8 Gnd.	AHU-6	26
27	Receptacle	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			900	5325			--	--	--	--	--	28
29	Receptacle	3/4"C, 2#8 & 1#8 Gnd.		50 A	2					4160	1647	2	20 A		1/2"C, 2#12 & !#12 Gnd.	ECU-3/ERU-3	30
31	--	--	--	--	--	4160	1647					--	--	--	--	--	32
33	Receptacle	3/4"C, 2#8 & 1#8 Gnd.		50 A	2			4160	0			3	30 A		See Riser Diagram	Surge Suppressor	34
35	--	--	--	--	--					4160	0	--	--	--	--	--	36
37	Receptacle	3/4"C, 2#8 & 1#8 Gnd.		50 A	2	4160	0					--	--	--	--	--	38
39	--	--	--	--	--			4160	--			1	--			Space	40
41	Fire Alarm Booster & Voice...	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					500	--	1	--			Space	42
43	Spare			20 A	1	0	--					1	--			Space	44
45	Spare			20 A	1			0	--			1	--			Space	46
47	Spare			20 A	1					0	--	1	--			Space	48
49	Spare			20 A	1	0	--					1	--			Space	50
51	Spare			20 A	1			0	--			1	--			Space	52
53	Spare			20 A	1					0	--	1	--			Space	54
					Total Load:	26962 VA		32159 VA		29601 VA							
					Total Amps:	225 A		271 A		250 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	8388 VA	100.00%	8388 VA		
Heating	34244 VA	100.00%	34244 VA	**Total Conn. Load:**	88722 VA
Receptacle	38250 VA	63.07%	24125 VA	**Total Est. Demand:**	74597 VA
General Non-Continuous	7840 VA	100.00%	7840 VA	**Total Conn.:**	246 A
				Total Est. Demand:	207 A

Notes:

PANEL BL2

Location: WELDING SHOP B01
Fed From: T-BL2

Type: Surface, Type 1
Voltage: 120/208 Wye, 3PH, 4W
Mains: 400 A MAIN BREAKER
A.I.C. RATING: 10,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1	1080	4160					2	20 A		3/4"C, 2#8 & !#8 Gnd.	Receptacle	2
3	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1			720	4160			--	--	--	--	--	4
5	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1					1000	4160	2	20 A		3/4"C, 2#8 & !#8 Gnd.	Receptacle	6
7	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1	1000	4160					--	--	--	--	--	8
9	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1			1000	696			1	20 A		1/2"C, 2#12 & !#12 Gnd.	GUH-1	10
11	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1					1000	696	1	20 A		1/2"C, 2#12 & !#12 Gnd.	GUH-2	12
13	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1	1000	1814					2	35 A		3/4"C, 2#8 & !#8 Gnd.	CU-4	14
15	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1			680	1814			--	--	--	--	--	16
17	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1					1000	2429	2	50 A		3/4"C, 2#6 & !#8 Gnd.	CU-5	18
19	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1	1000	2429					--	--	--	--	--	20
21	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1			1000	8320			2	100 A		1-1/4"C, 2#3 & !#8 Gnd.	AHU-5	22
23	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1					1500	8320	--	--	--	--	--	24
25	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1	1500	5325					2	70 A		1"C, 2#4 & !#8 Gnd.	AHU-4	26
27	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1			1500	5325			--	--	--	--	--	28
29	Receptacles	1/2"C, 2#12 & !#12 Gnd.		20 A	1					1500	3000	2	40 A		3/4"C, 2#8 & !#8 Gnd.	WH-3	30
31	Receptacle	1/2"C, 2#12 & !#12 Gnd.		20 A	1	1000	3000					--	--	--	--	--	32
33	Receptacle-HW Circ Pump	1/2"C, 2#12 & !#12 Gnd.		20 A	1			180	0			3	30 A		See Riser Diagram	Surge Suppressor	34
35	Spare			20 A	1					0	0	--	--	--	--	--	36
37	Spare			20 A	1	0	0					--	--	--	--	--	38
39	Spare			20 A	1			0	--			1	--			Space	40
41	Spare			20 A	1					0	--	1	--			Space	42
43	Spare			20 A	1	0	--					1	--			Space	44
45	Space			--	1			--	--			1	--			Space	46
47	Space			--	1					--	--	1	--			Space	48
49	Space			--	1	--	--					1	--			Space	50
51	Space			--	1			--	--			1	--			Space	52
53	Space			--	1					--	--	1	--			Space	54
					Total Load:	27468 VA		25395 VA		24605 VA							
					Total Amps:	230 A		213 A		205 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	8486 VA	100.00%	8486 VA		
Heating	28682 VA	100.00%	28682 VA	**Total Conn. Load:**	77468 VA
Receptacle	34300 VA	64.58%	22150 VA	**Total Est. Demand:**	65318 VA
Water Heater	6000 VA	100.00%	6000 VA	**Total Conn.:**	215 A
				Total Est. Demand:	181 A

Notes:

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LORANGER HIGH SCHOOL
20 CLASSROOM ADDITION
19404 HIATT ST, LORANGER, LA 70446
TANGIPAHOA PARISH SCHOOL SYSTEM

DATE 10.19.26

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Panel Schedules

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PANEL CH1

Location: ELEC C112
Fed From: MDA

Type: Surface, Type 1
Voltage: 480/277 Wye, 3PH, 4W
Mains: 400 A MLO
A.I.C. RATING: 22,000

Remarks: Ground Bus

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	KEF-1	1/2"C, 3#12 & 1#12 Gnd.		20 A	3	2106	43348					3	175 A		See Riser Diagram	XFMR "T-CL" (Panel "CL")	2
3	--	--	--	--	--			2106	43334			--	--	--	--	--	4
5	--	--	--	--	--					2106	41091	--	--	--	--	--	6
7	KEF-2	1/2"C, 3#12 & 1#12 Gnd.		20 A	3	2106	14892					3	90 A		1-1/4"C, 3#3 & 1#8 Gnd.	RTU-1	8
9	--	--	--	--	--			2106	14892			--	--	--	--	--	10
11	--	--	--	--	--					2106	14892	--	--	--	--	--	12
13	KSF-1	1/2"C, 3#12 & 1#12 Gnd.		20 A	3	2106	14892					3	90 A		1-1/4"C, 3#3 & 1#8 Gnd.	RTU-2	14
15	--	--	--	--	--			2106	14892			--	--	--	--	--	16
17	--	--	--	--	--					2106	14892	--	--	--	--	--	18
19	Shunt Space		1	--	1	--	0					1	20 A			Spare	20
21	EUH-3	1/2"C, 3#12 & 1#12 Gnd.		20 A	3			1110	0			1	20 A			Spare	22
23	--	--	--	--	--					1110	0	1	20 A			Spare	24
25	--	--	--	--	--	1110	0					1	20 A			Spare	26
27	Lighting	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			2784	0			1	20 A			Spare	28
29	Lighting	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					2388	--	1	--			Space	30
31	Lighting-Cafeteria	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	3144	--					1	--			Space	32
33	Lighting-Cafeteria	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			2882	--			1	--			Space	34
35	Lighting-Exterior	1/2"C, 2#12 & 1#12 Gnd.	2	20 A	1					177	--	1	--			Space	36
37	Lighting-Exterior Dining	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1414	--					1	--			Space	38
39	Lighting_Exterior Sconces	1/2"C, 2#12 & 1#12 Gnd.	2	20 A	1			104	--			1	--			Space	40
41	Lighting-Exterior Canopy	1/2"C, 2#12 & 1#12 Gnd.	2	20 A	1					2358	--	1	--			Space	42
					Total Load:	85118 VA		86181 VA		83110 VA							
					Total Amps:	308 A		312 A		300 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	99234 VA	100.00%	99234 VA		
Heating	3330 VA	100.00%	3330 VA	**Total Conn. Load:**	254406 VA
Kitchen Equipment - Non-Dwelling Unit	90730 VA	65.00%	58975 VA	**Total Est. Demand:**	222080 VA
Motor	23114 VA	106.83%	24694 VA	**Total Conn.:**	306 A
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	267 A
Receptacle	14300 VA	84.97%	12150 VA		
Lighting	15079 VA	100.00%	15079 VA		
General Non-Continuous	8700 VA	100.00%	8700 VA		

Notes:
1. Provide a shunt-trip circuit breaker.
2. Provide a time switch with photocell for control.

PANEL CL1

Location: ELEC C112
Fed From: T-CL

Type: Surface, Type 1
Voltage: 120/208 Wye, 3PH, 4W
Mains: 400 A MAIN BREAKER
A.I.C. RATING: 10,000

Remarks: Ground Bus
Double-Section
400 Amp Sub-Feed Lugs

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	900	1560					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 24	2
3	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			1080	672			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 16	4
5	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					1260	1920	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 21	6
7	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	720	1440					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 40	8
9	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			540	1920			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 21	10
11	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					540	1380	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 44	12
13	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	540	1332					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 45	14
15	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			540	1332			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 45	16
17	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					540	960	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 49/48A	18
19	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	720	960					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 49/48A	20
21	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			720	1464			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 50/50A	22
23	Receptacles	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					720	300	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 51/50A	24
25	Receptacle	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	360	1464					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 50/50A	26
27	Recepts.-EWC & Handwash...	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1			1320	300			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 51/50A	28
29	Recepts.-EWC & Handwash...	1/2"C, 2#12 & 1#12 Gnd.	1	20 A	1					960	960	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 49/48A	30
31	Hand Dryer	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1500	960					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 49/48A	32
33	Hand Dryer	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			1500	1200			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 56	34
35	Hand Dryer	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					1500	1200	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 56	36
37	Hand Dryer	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	1500	500					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 52 (2)	38
39	Hand Dryer	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			1500	708			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 8	40
41	Item 35	1.1/4"C, 4#3 & 1#8 Gnd.		100 A	3					9600	360	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 8	42
43	--	--	--	--	--	9600	708					1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 8	44
45	--	--	--	--	--			9600	240			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 8	46
47	Shunt Space			--	1					--	1238	2	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 8	48
49	item 17	1/2"C, 2#12 & 1#12 Gnd.		20 A	2	1008	1238					--	--	--	--	--	50
51	--	--	--	--	--			1008	4332			3	50 A		3/4"C, 3#8 & 1#8 Gnd.	Item 9	52
53	Big Fan	1/2"C, 2#12 & 1#12 Gnd.		20 A	2					1040	4332	--	--	--	--	--	54
55	--	--	--	--	--	1040	4332					--	--	--	--	--	56
57	Big Fan	1/2"C, 2#12 & 1#12 Gnd.		20 A	2			1040	1224			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 3	58
59	--	--	--	--	--					1040	900	1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 14	60
61	ECU-4/ERU-4	1/2"C, 2#12 & 1#12 Gnd.		20 A	2	1647	2250					2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Item 15	62
63	--	--	--	--	--			1647	2250			--	--	--	--	--	64
65	ECU-5/ERU-5	1/2"C, 2#12 & 1#12 Gnd.		20 A	2					1647	1498	2	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 46	66
67	--	--	--	--	--	1647	1498					--	--	--	--	--	68
69	ECU-6/ERU-6	1/2"C, 2#12 & 1#12 Gnd.		20 A	2			1647	1498			2	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 46	70
71	--	--	--	--	--					1647	1498	--	--	--	--	--	72
73	Receptacle-WH-1	1/2"C, 2#12 & 1#12 Gnd.		20 A	1	180	1872					2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Item 48/48A	74
75	Receptacle-WH-2	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			180	1872			--	--	--	--	--	76
77	Receptacle-HW Circ Pump	1/2"C, 2#12 & 1#12 Gnd.		20 A	1					180	1872	2	30 A		1/2"C, 2#10 & 1#10 Gnd.	Item 48/48A	78
79	Spare			20 A	1	0	1872					--	--	--	--	--	80
81	Receptacle-Tel. Bkbd.	1/2"C, 2#12 & 1#12 Gnd.		20 A	1			1500	500			1	20 A		1/2"C, 2#12 & 1#12 Gnd.	Item 35/36	82
83	Receptacle-Tel. Bkbd.	1/2"C, 2#10 & 1#10 Gnd.		30 A	1					2000	0	1	20 A			Spare	84
					Total Load:	43348 VA		43334 VA		41091 VA							
					Total Amps:	364 A		364 A		342 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	9882 VA	100.00%	9882 VA		
Kitchen Equipment - Non-Dwelling Unit	90730 VA	65.00%	58975 VA	**Total Conn. Load:**	127772 VA
Motor	4160 VA	112.50%	4680 VA	**Total Est. Demand:**	94387 VA
Receptacle	14300 VA	84.97%	12150 VA	**Total Conn.:**	355 A
General Non-Continuous	8700 VA	100.00%	8700 VA	**Total Est. Demand:**	262 A

Notes:
!. Provide a ground-fault circuit breaker.

PANEL CL2

Location: ELEC C112
Fed From:

Type: Surface, Type 1
Voltage: 480/277 Wye, 3PH, 4W
Mains: 400 A MLO
A.I.C. RATING: 10,000

Remarks: Ground Bus
400 Amp Sub-Feed Lugs

CKT	Circuit Description	wire	Notes	Trip	Poles	A		B		C		Poles	Trip	Notes	wire	Circuit Description	CKT
1	Spare			20 A	1	0	0					3	30 A		See Riser Diagram	Surge Suppressor	2
3	Spare			20 A	1			0	0			--	--	--	--	--	4
5	Spare			20 A	1					0	0	--	--	--	--	--	6
7	Spare			20 A	1	0	--					1	--			Space	8
9	Spare			20 A	1			0	--			1	--			Space	10
11	Spare			20 A	1					0	--	1	--			Space	12
13	Spare			20 A	1	0	--					1	--			Space	14
15	Spare			20 A	1			0	--			1	--			Space	16
17	Spare			20 A	1					0	--	1	--			Space	18
19	Spare			20 A	1	0	--					1	--			Space	20
21	Space			--	1			--	--			1	--			Space	22
23	Space			--	1					--	--	1	--			Space	24
25	Space			--	1	--	--					1	--			Space	26
27	Space			--	1			--	--			1	--			Space	28
29	Space			--	1					--	--	1	--			Space	30
					Total Load:	0 VA		0 VA		0 VA							
					Total Amps:	0 A		0 A		0 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

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