DC REEVES ELEMENTARY SCHOOL

CLASSROOM WING ADDITION

DESIGN DEVELOPMENT

ARCHITECT

Holly & Smith Architects, APAC
208 North Cate Street
Hammond, LA 70401
985-345-5207

STRUCTURAL/ CIVIL ENGINEER

Fox Nesbit Engineering LLC
9100 Bluebonnet Center Boulevard, Suite 301
Baton Rouge, LA 70809
225-293-6595

MEP ENGINEER

M&E Consulting
1304 Bertrand Dr, Suite F7
Lafayette, LA 70506
337-288-9261

OWNER

Tangipahoa Parish School System
59656 Puleston Road
Amite, LA 70422
985-748-7153

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

DC REEVES ELEMENTARY SCHOOL
CLASSROOM WING ADDITION
18026 SISTER'S ROAD, PONCHATOULA, LA

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	
QUALITY CONTROL	

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DESIGN DEVELOPMENT

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TITLE SHEET

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RENOVATION NOTES

1. CONTRACTORS MUST VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS, BUILDING TYPES AND CONSTRUCTION AND ALL DIMENSIONS. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A PROPOSAL OR BID. THE CONTRACTOR SHALL BECOME GENERALLY FAMILIAR WITH THE PROJECT, AND WITH 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 COMPLETE THIS RESPONSIBILITY.
2. PROTECT EXISTING WORK WHICH IS TO REMAIN IN PLACE, BE REUSED, OR REMAIN THE PROPERTY OF THE OWNER.
3. REMOVE AND STORE MATERIALS AND EQUIPMENT AT EXISTING SITE INDICATED TO BE REUSED OR RELOCATED TO PREVENT DAMAGE, AND REINSTALL AS THE WORK PROGRESSES.
4. PROTECT ELECTRICAL AND MECHANICAL SERVICES AND UTILITIES WHERE REMOVAL OF EXISTING UTILITIES AND PAVEMENTS IS SPECIFIED. PROVIDE APPROVED BARRICADES, TEMPORARY COVERING OF EXPOSED AREAS, AND TEMPORARY SERVICES OR CONNECTIONS FOR ELECTRICAL AND MECHANICAL UTILITIES.
5. REMOVE EXISTING UTILITIES AS INDICATED AND UNCOVERED BY WORK AND TERMINATE IN A MANNER CONFORMING TO THE NATIONALLY RECOGNIZED CODE OR STANDARD COVERING THE SPECIFIC UTILITY AND APPROVED BY THE ARCHITECT. IF UTILITY LINES ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS, DO NOT PROCEED. CONTACT THE ARCHITECT FOR FURTHER INSTRUCTIONS.
6. THE INFORMATION CONTAINED ON THESE DRAWINGS WITH REGARD TO THE EXISTING CONDITIONS OF CONSTRUCTION IN NO WAY RELEASES THE CONTRACTOR FROM THE RESPONSIBILITY FOR VERIFYING COMPLETELY ALL FIELD CONDITIONS RELATING TO AND AFFECTING THE EXECUTION OF THE WORK, AS DESCRIBED IN THESE CONTRACT DOCUMENTS.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY AND DOCUMENT ALL EXISTING DIMENSIONS, ELEVATIONS AND BENCHMARKS, MATERIALS AND METHODS OF CONSTRUCTION THAT MAY AFFECT OR BE AFFECTED BY NEW WORK, AND TO COORDINATE SUCH FIELD VERIFICATION WITH THE CONTRACT DOCUMENTS AND THE EXECUTION OF THE WORK. DISCREPANCIES AND/OR CONFLICTS INVOLVING ANTICIPATED EXISTING CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSIST THE ARCHITECT IN MAKING THEIR EVALUATIONS AND RECOMMENDATIONS BY PROVIDING IN A TIMELY MANNER, AT NO ADDITIONAL COST TO THE OWNER, ACCURATE AND COMPLETE DRAWINGS, SKETCHES, AND PHOTOGRAPHS SUFFICIENT TO CLEARLY DESCRIBE DISCREPANCIES, CONFLICTS, AND CONCEALED OR OTHERWISE UNANTICIPATED EXISTING CONDITIONS AFFECTING NEW CONSTRUCTION.
9. THE ARCHITECT HAS ENDEAVORED TO IDENTIFY AS COMPLETELY AS POSSIBLE IN THE DRAWINGS AND SPECIFICATIONS EXISTING ITEMS OR EQUIPMENT AND CONSTRUCTION THAT ARE REQUIRED TO BE REMOVED OR OTHERWISE DEMOLISHED SO AS TO ALLOW THE EXECUTION OF NEW WORK TO BE PERFORMED. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR, AND IS IN NO WAY INTENDED TO MEAN THAT DEMOLITION IS LIMITED ONLY TO THOSE ITEMS SPECIFICALLY IDENTIFIED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXECUTE DEMOLITION WORK AS REQUIRED TO ALLOW THE EXECUTION OF NEW WORK.
10. ALL AREAS ABOVE OR ON THE EXIST. CEILING THAT ARE AFFECTED BY INSTALLATION OF NEW WORK SHALL BE REPAIRED COMPLETELY WITH MATERIALS AND PRODUCTS TO MATCH EXIST. INSTALLATION AND FIRE-RATED ASSEMBLIES.
11. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ANY UNFINISHED WALL AREAS THAT MAY BE EXPOSED AS A RESULT OF ADJUSTING FINISHED CEILING HEIGHTS. THE CONTRACTOR IS RESPONSIBLE FOR FINISHING THESE AREAS TO MATCH EXISTING ADJACENT FINISHED AREAS AND FIRE-RATED ASSEMBLIES.
12. ANY DEMOLITION SCOPE WHICH MAY POTENTIALLY COMPROMISE THE STRUCTURAL INTEGRITY OF THE EXIST. BUILDING OR NEW CONSTRUCTION, SHALL BE IMMEDIATELY CALLED TO THE ATTENTION OF THE ARCHITECT/ STRUCTURAL ENGINEER, PRIOR TO PERFORMING, OR PROCEEDING WITH ANY WORK.
13. DEMOLITION AND UNCOVERING OF WORK, RESULTING IN BUILDING EXPOSURE TO THE ELEMENTS SHALL RECEIVE TEMPORARY ENCLOSURES AND PROTECTION TO PROHIBIT MOISTURE/WATER ENTRY INTO THE BUILDING. THIS INCLUDES ROOF PENETRATIONS REQUIRED FOR THE PROJECT AND OPENINGS RESULTING FROM THE REMOVAL OF COMPONENTS OF THE EXTERIOR ENVELOPE.
14. EXPANSION JOINTS LOCATED WITHIN THE EXISTING BUILDING SHALL BE MAINTAINED AND ALLOW FOR MOVEMENT, EXPANSION AND DEFLECTION. NO ASPECT OF THE DEMOLITION OR CONSTRUCTION SHALL COMPROMISE THE FUNCTION AND INTEGRITY OF THE EXISTING OR NEW EXPANSION JOINT(S) IN ANY WAY. ALL AREAS OR CONDITIONS IN QUESTION SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT/STRUCTURAL ENGINEER.
15. AT ANY WALL THAT IS AFFECTED BY DEMOLITION OR CONSTRUCTION, PAINT THE ENTIRE WALL FROM INTERIOR CORNER TO INTERIOR CORNER, AND TOP TO BOTTOM FOR THE ENTIRE LENGTH OF THE WALL.
16. ALL EMERGENCY EXITS SHOULD REMAIN CLEAR AND USABLE THROUGHOUT ENTIRE CONSTRUCTION PROCESS UNLESS SPECIFICALLY COORDINATED FOR LIFE SAFETY MEASURE. PROVIDE ANY TEMPORARY PROTECTIONS, WALKWAYS OR ALTERNATE EGRESS MEANS AS REQUIRED TO ACCOMMODATE THIS. ANY WORK THAT WOULD REQUIRE THE TEMPORARY CLOSURE OF EXITS SHOULD BE CONDUCTED AFTER HOURS, AND COORDINATED WITH THE OWNER'S REPRESENTATIVE.
17. ALL LIFE SAFETY SYSTEMS, FIRE ALARMS, STROBE DEVICES, ANNUNCIATORS, SMOKE DETECTORS, AND PULL STATIONS ARE TO REMAIN COMPLETELY OPERATIONAL THROUGHOUT THE DEMOLITION AND CONSTRUCTION PROCESS FOR OCCUPIED SPACES. THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES FOR AREAS WHERE LIFE SAFETY SYSTEMS ARE TO BE RENDERED INACTIVE AND SHALL COORDINATE ALL SYSTEM INTERRUPTIONS WITH THE STATE FIRE MARSHAL INSPECTOR, PRIOR TO PERFORMING ANY WORK.
18. DISCONNECT AND CAP / TERMINATE EXISTING UTILITIES, POWER, GAS, WATER, ETC. IN ACCORDANCE WITH ALL GOVERNING CODE REQUIREMENTS - REFER TO ENGINEERING DRAWINGS. REROUTE AND REUSE UTILITIES AS REQUIRED TO PREVENT CONFLICTS WITH PLANNED RENOVATIONS.
19. ALL PORTIONS OF THE EXISTING BUILDING SHALL REMAIN WEATHERTIGHT AND SECURED AT ALL TIMES. IF CONSTRUCTION IS POSTPONED, THE CONTRACTOR SHALL SECURE THE BUILDING FROM THE ELEMENTS, INCLEMENT WEATHER, AND VANDALISM.
20. THE PROJECT IS CURRENTLY OCCUPIED AND MUST REMAIN COMPLETELY OPERATIONAL DURING NORMAL BUSINESS HOURS (7:00 AM TO 6:00 PM WEEKDAYS). COORDINATE WITH THE OWNER ANY CONSTRUCTION ACTIVITIES WHICH MAY IMPEDE NORMAL OPERATIONS, INCLUDING ANY ACTIVITY WHICH GENERATES EXCESSIVE NOISE, AIRBORNE PARTICULATES, OR WHICH DISRUPTS THE NORMAL FUNCTIONALITY OF THE SPACE. PROTECT ANY ADJACENT SPACE WITH DUST PARTITIONS OR CURTAINS FROM ACTIVITIES WHICH WILL CREATE DUST. NOTIFY ANY OCCUPANTS OF THE BUILDING OF ANY CONSTRUCTION ACTIVITIES WHICH MAY AFFECT THEIR ABILITY TO OPERATE NORMALLY.
21. REMOVE AND TRANSPORT DEBRIS AND RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE ON PAVEMENTS, STREETS, OR ADJACENT AREAS. CLEAN UP SPILLAGE FROM PAVEMENTS, STREETS, AND ADJACENT AREAS, IN COMPLIANCE WITH ALL LOCAL AND STATE REQUIREMENTS. DESIGNATE ON SITE VEHICLE WASH STATION.
22. THE PROJECT WILL REMAIN OCCUPIED AND OPERATIONAL THROUGHOUT CONSTRUCTION. COORDINATE AND PHASE ALL PORTIONS OF THE WORK TO MINIMIZE DISRUPTION TO THE OCCUPANTS AS MUCH AS POSSIBLE. PROVIDE ALL TEMPORARY PROTECTIONS AND CONNECTIONS AS REQUIRED TO MAINTAIN SAFE AND UNINTERRUPTED USE.
23. THE EXISTING PLAN IS DOCUMENTED ON THE DRAWINGS IN ACCORDANCE WITH A LIMITED NUMBER OF AVAILABLE ORIGINAL CONSTRUCTION DRAWINGS AND FIELD INVESTIGATIONS. VARIANCE OF ACTUAL EXISTING CONDITIONS FROM THOSE ILLUSTRATED ON THESE DOCUMENTS MAY OCCUR. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES.

GENERAL NOTES

1. PRIOR TO BIDDING, THE CONTRACTOR (AND SUBCONTRACTING BIDDERS) SHALL VISIT THE EXISTING BUILDING, SITE AND SURROUNDING AREA AND THOROUGHLY ACQUAINT THEMSELVES WITH ALL ASPECTS OF THE PROJECT DEMOLITION AND CONSTRUCTION, AS INDICATED AND/OR IMPLIED WITHIN THIS DOCUMENT. ANY DISCREPANCIES, OMISSIONS OR CONFLICTS RELATIVE TO THE INFORMATION CONTAINED WITHIN THE DOCUMENTS, THE FIELD VERIFIED CONDITIONS, OR ITEMS WHICH MAY INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. FAILURE BY THE CONTRACTOR TO PROVIDE THESE MEASURES SHALL NOT BE JUSTIFICATION FOR ADJUSTMENT IN THE CONTRACT SUM.
2. THE DRAWINGS AND SPECIFICATIONS ARE SEPARATED INTO DISCIPLINES FOR THE CONVENIENCE OF THE ARCHITECT AND THE CONTRACTOR. THE SEPARATIONS USED HEREIN ARE USED ONLY FOR THE PURPOSE OF CONVENIENCE AND REFERENCE AND IN NO WAY DO THEY DEFINE OR LIMIT THE SCOPE OR INTENT OF ANY PART OF THE DRAWINGS OR OF THE DRAWINGS AND SPECIFICATIONS AS A WHOLE. THE FACT THAT THE DRAWINGS ARE SEPARATED IN NO WAY SUGGESTS THAT THE WORK IS NOT TO BE CONSTRUCTED AS A COMPLETE INTEGRATED AND UNIFIED WHOLE.
3. THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES SUCH AS CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, ETC. ARE COMPLIMENTARY. ITEMS SHOWN IN ANY ONE LOCATION OF THE DRAWINGS SHALL BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND THE SPECIFICATIONS OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATION FROM THE ARCHITECT PRIOR TO BIDDING. WHERE INCONSISTENCIES ARE NOT CLARIFIED PRIOR TO BIDDING AND WHERE THE ACTUAL SOLUTION OR INTENT CANNOT BE REASONABLY INFERRED, THE CONTRACTOR SHALL INCLUDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK IN THE BID PROPOSAL.
4. ALL WORK IS TO HAVE A ONE YEAR WARRANTY, MINIMUM.
5. THE DRAWINGS, AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS, FIELD ORDERS, OR CHANGE ORDERS ARE PART OF THESE CONTRACT DOCUMENTS.
6. DO NOT SCALE DRAWINGS, CONSULT WITH ARCHITECT REGARDING CLARIFICATIONS TO DRAWING SCALE.
7. NAMING A CERTAIN BRAND OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER, AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.
8. CONSTRUCTION GENERATING EXCESSIVE NOISE SHALL BE PERFORMED AFTER HOURS AND/OR COORDINATED WITH OWNER/PROJECT REPRESENTATIVE.
9. 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.
10. THE DRAWINGS REPRESENT GENERAL LOCATIONS OF IMPROVEMENTS. IT SHALL BE THE GENERAL CONTRACTORS RESPONSIBILITY TO LOCATE ALL IMPROVEMENTS ON SITE PRIOR TO ALTERATION, ADDITION, OR TIE-IN. ALL DAMAGE SHALL BE PROPERLY REPAIRED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR SHALL PROTECT THE SITE AND PROPERTY AT ALL TIMES. ALL AREAS SHALL BE MAINTAINED FREE OF TRASH AND CONSTRUCTION DEBRIS AND ALL WASTE SHALL BE REMOVED FROM THE SITE ON A WEEKLY BASIS, AT A MINIMUM, OR AS DIRECTED BY THE OWNER/FACILITY MANAGER. COORDINATE THE EXACT LOCATION FOR THE TRASH DUMPSTER AND STAGING AREAS WITH THE OWNER/FACILITY MANAGER. REMOVAL AND DISPOSAL OF ALL DEBRIS, SUBSTANCES AND MATERIALS IS BE ACCOMPLISHED ACCORDING TO SPECIFICATIONS IN ADDITION TO FEDERAL, STATE, AND LOCAL REGULATIONS.
12. THE STORAGE OF MATERIALS ON SITE SHALL BE ALLOWED IN DESIGNATED AREAS. THESE AREAS WILL BE DETERMINED AT THE PRE-BID MEETING. ANY DAMAGE TO EXISTING AREAS / SURFACES DUE TO STORAGE & STAGING SHALL BE RESTORED TO THE ORIGINAL CONDITION BY GENERAL CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
13. ALL DELIVERIES, STAGING, AND TRASH REMOVAL SHALL BE COORDINATED WITH THE OWNER/PROJECT REPRESENTATIVE, SO AS TO MINIMIZE THE AMOUNT OF DISRUPTION AND TRAFFIC TO THE SURROUNDING NEIGHBORHOOD COMMUNITY. ALL HOURS OF OPERATION SHALL BE AS PRESCRIBED BY THE OWNER/FACILITY MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE EXISTING SITE AND ADJACENT PROPERTY, DIRECTLY ASSOCIATED WITH THE DEMOLITION AND CONSTRUCTION PROCESS. ALL STREET, PARKING LOT, AND SURFACE PAVING ARE TO BE KEPT CLEAN FROM CONSTRUCTION DEBRIS AND TRASH AND SHALL BE RETURNED TO THEIR ORIGINAL STATE FOLLOWING THE COMPLETION OF THE PROJECT.
14. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY APPARATUS, MEANS, METHODS, AND TECHNIQUES, AS REQUIRED TO ENSURE THE HEALTH, SAFETY, AND WELFARE OF ALL PERSONNEL INCLUDING, BUT NOT LIMITED TO: STAFF, FACULTY, STUDENTS, AND THE GENERAL PUBLIC, IN AND AROUND THE SITE.
15. THE CONTRACTOR SHALL PROVIDE TEMPORARY ENCLOSURES AND SITE SECURITY FENCING AS REQUIRED, OR WHERE INDICATED WITHIN THE DOCUMENTS TO SECURE, CONTROL, AND PROTECT ALL AREAS OF CONSTRUCTION AND ALLOW FOR SAFE PASSAGE INTO AND FROM THE BUILDING. ALL ENTRANCES AND EXITS AFFECTED BY THE SCOPE OF THE RENOVATION, SHALL BE MADE ADA ACCESSIBLE. A COMPLETE REVIEW OF ALL SITE PROTECTIVE AND SAFETY MEASURES SHALL BE CONDUCTED WITH THE OWNER/FACILITY MANAGER FOR FINAL APPROVAL, PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION.
16. AREAS WHERE WORK IS BEING CONDUCTED, WHICH MAY AFFECT THE LIFE SAFETY OF THE BUILDING'S OCCUPANTS, SHALL BE CALLED TO THE ATTENTION OF THE OWNER/PROJECT REPRESENTATIVE, PRIOR TO PERFORMING ANY WORK. ADDITIONAL MEASURES FOR OCCUPANT SAFETY MAY BE REQUIRED, AS PRESCRIBED BY THE STATE FIRE MARSHAL, BASED UPON A REVIEW, OR INSPECTION OF A SPECIFIC AREA OR CONDITION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS AND ANY CHARGES FOR TIE-IN TO EXISTING STREETS AND UTILITIES. ALL IMPACT FEES, IF ANY, SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL OBTAIN AND PAY ALL NECESSARY PERMITS, AND AFTER COMPLETION, FURNISH OWNER CERTIFICATIONS OF FINAL INSPECTIONS AND APPROVAL AS ISSUED BY THE INSPECTION DEPARTMENT OF THE PARISH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CERTIFICATES OF INSPECTION, FROM FEDERAL AND STATE AUTHORITIES BOTH AT ROUGH-IN AND COMPLETION.
18. ALL MATERIALS AND WORK SHALL CONFORM TO ALL GOVERNING CODES, REGULATIONS, AND AGENCIES.
19. ELECTRICAL WORK SHALL COMPLY WITH NFPA AND NATIONAL ELECTRICAL CODE AND BE PERFORMED BY A LICENSED ELECTRICIAN.
20. DRAFT STOPS SHALL BE INSTALLED AS PER PARISH, STATE, AND NFPA CODES.
21. INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF SECTION 720, INTERNATIONAL BUILDING CODE, 2015 EDITION.
22. INTERIOR WALLS AND CEILING SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
23. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED BY APPROVED FIRESTOP SYSTEMS OR DEVICES TESTED IN ACCORDANCE WITH ASTM E-814 OR ANSI/UL 1479.
24. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0- 25 AND A SMOKE DEVELOPMENT FACTOR OF 0-450.
25. REMOVAL AND DISPOSAL OF ALL SUBSTANCES AND MATERIAL IS TO BE ACCOMPLISHED ACCORDING TO SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS.

GENERAL NOTES (CONT.)

27. ALL MATERIALS SHALL BE NEW EXCEPT WHERE OTHERWISE NOTED AND SHALL CONFORM WITH THE STANDARDS OF UNDERWRITER'S LABORATORY IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION. INSTALL ALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE.
28. CONTRACTOR SHALL ANTICIPATE AND MAKE ANY AND ALL ARRANGEMENTS WITH LOCAL GOVERNMENT AGENCIES, SHOULD ENTRY ONTO, OR OBSTRUCTION OF, A PUBLIC WAY BE NECESSARY IN CONNECTION WITH THE WORK.
29. THE CONTRACTOR SHALL PROVIDE ANY SITE DEMOLITION / UTILITY RELOCATION NECESSARY FOR COMPLETION OF WORK.
30. ALL SURVEY INFORMATION HAS BEEN TAKEN FROM A TOPOGRAPHIC SURVEY FURNISHED BY THE OWNER AND IS INCLUDED IN THIS SET FOR THE CONTRACTOR'S CONVENIENCE. THE ARCHITECT TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE SURVEY.
31. THE CONTRACTOR SHALL PROVIDE ANY SITE DEMOLITION/UTILITY RELOCATION AS NECESSARY FOR COMPLETION OF THE OVERALL SCOPE OF WORK. VERIFY ALL EXISTING UTILITIES AND EXACT LOCATIONS, PRIOR TO PERFORMING ANY WORK. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY REGARDING ANY CONFLICTS WHICH MAY EXIST AT THE SITE AND THAT WHICH IS REPRESENTED IN THE DOCUMENTS. THE REPAIR AND/OR REPLACEMENT OF ANY SYSTEM COMPONENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, SHOULD THEY BE DAMAGED DURING THE COURSE OF DEMOLITION OR CONSTRUCTION.
32. PRIOR TO ALTERATION, ADDITION OR TIE-IN TO EXISTING FACILITIES/ UTILITIES, ANY DAMAGE BY CONTRACTOR SHALL BE PROPERLY REPAIRED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE.
33. ALL EXISTING MOISTURE WITHIN STRUCTURES REQUIRING WORK IS TO BE REMOVED PRIOR TO INSTALLING NEW FINISH MATERIALS THROUGH MEANS DESCRIBED IN SPECIFICATION SECTION 015000, PART 3 - EXECUTION OR OTHERWISE, IN ORDER TO MEET MANUFACTURER'S INSTALLATION REQUIREMENTS AND / OR TO ACHIEVE PROPER INSTALLATION.
34. VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECT, PRIOR TO INSTALLATION.
35. CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO EXISTING WORK, ADJACENT SURFACES, AND ADJOINING AREAS INCLUDING BUT NOT LIMITED TO THE PORTION OF THE WORK THAT IS TO REMAIN AS A PART OF THE COMPLETED CONSTRUCTION. CONTRACTOR SHALL BE REQUIRED TO REPAIR OR OTHERWISE RESTORE ANY SUCH AREAS OR SURFACES THAT BECOME DAMAGED OR REMOVED ON ACCOUNT OF THE DEMOLITION AND/OR CONSTRUCTION WORK.
36. CONTRACTOR SHALL INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH PRODUCT AND MATERIAL MANUFACTURER'S INSTRUCTIONS AND REVIEWED SUBMITTALS.
37. ALL ITEMS NOT SPECIFICALLY NOTED AS OWNER PROVIDED OR OWNER INSTALLED SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
38. WORK INDICATED AS "NOT IN CONTRACT", "N.I.C.", OR "BY OTHERS" SHALL BE PERFORMED BY OWNER'S SEPARATE CONTRACTORS. CONTRACTOR SHALL ASSIST IN COORDINATING THE WORK BY SEPARATE CONTRACTORS WITH THE WORK OF THIS CONTRACT.
39. DEMOLITION SHALL BE PERFORMED IN AN ORDERLY SEQUENCE, SCHEDULED BY THE CONTRACTOR AND COORDINATED WITH THE OWNER. SHOULD HAZARDOUS MATERIALS, OR MATERIALS SUSPECTED TO BE HAZARDOUS BE ENCOUNTERED, THE CONTRACTOR SHALL NOT PROCEED AND IMMEDIATELY CALL TO THE ATTENTION OF THE OWNER. ALL HAZARDOUS WASTE SHALL BE CONTAINED, ABATED, REMOVED, AND DISPOSED OF IN ACCORDANCE WITH FEDERAL REGULATIONS, LA.D.E.Q. AND THE OWNER'S ASBESTOS MANAGEMENT PLAN.
40. ALL FLOOR PLAN DIMENSIONS ARE TO THE FACE OF BRICK (FOB), FACE OF FINISH (FOF), OR TO THE CENTER OF COLUMNS UNLESS STATED OTHERWISE.
41. IN ORDER TO ACHIEVE SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PROVIDE ELEVATION CERTIFICATES SHOWING THAT ALL EQUIPMENT, ELECTRICAL PANELS, & DEVICES HAVE BEEN LOCATED ABOVE THE DESIGN FLOOD ELEVATION.
42. THE CONTRACTOR SHALL PROVIDE FOR POSITIVE DRAINAGE FROM ALL LOCATIONS OF CONSTRUCTION FOR THE COURSE OF THE CONTRACT.
43. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING ROOF TOP MOUNTED EQUIPMENT. ROOFING CONTRACTOR TO COORDINATE ROOFING WORK WITH ALL TRADES TO PROVIDE NECESSARY MATERIAL TO FLASH ALL ROOF PENETRATIONS. FLASHING OF ALL PENETRATIONS SHALL BE AS RECOMMENDED BY THE ROOF MANUFACTURER TO MEET THE REQUIREMENT FOR THE BONDED ROOF.
44. ALL DOORS, UNLESS NOTED OTHERWISE, SHALL BE LAID OUT IN SUCH A MANNER AS TO ALLOW A MINIMUM OF 24" ON THE PULL SIDE AND 12" ON THE PUSH SIDE OF THE DOOR AND AS PER ADA STANDARDS FOR ACCESSIBLE DESIGN. ANY DOOR IN QUESTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT AND CONSTRUCTION.
45. ALL DOORS INSTALLED AS PART OF THIS PACKAGE SHALL HAVE ADA/ABA COMPLIANT HARDWARE. PROVIDE LEVEL TRANSITION SURFACE AT EACH DOOR FOR A MINIMUM OF 5'-0" ON BOTH SIDE OF THE DOOR.

ALTERNATES

SCHEDULE OF ALTERNATES

PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS AS REQUIRED TO DO THE FOLLOWING:

ADD ALTERNATE NO. 1:	IN LIEU OF PAINTED CMU, PROVIDE GLAZED CMU FROM 7'-0" TO 9'-0"
ADD ALTERNATE NO. 2:	IN LIEU OF PAINTED CMU, PROVIDE GROUND FACE CMU (EXCEPT FROM 7'-0" TO 9'-0")
ADD ALTERNATE NO. 3:	OPERABLE TRANSOMS WHERE INDICATED

SYMBOLS

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

- 0.000 — NEW ELEVATION
- 0.000 — EXISTING ELEVATION
- A — COLUMN MARK
- 100' - 0" — LEVEL LINE, CONTROL POINT OR DATUM
- BREAK LINE
- 101a — ROOM NUMBER
- ℄ — CENTERLINE
- FEC — FIRE CABINET AND EXTINGUISHER
- 1 — REVISION NOTE (CLOUDED AREA DENOTES REVISIONS OCCUR IN THIS AREA)
- A — WINDOW TAG
- A01 — MISCELLANEOUS TAG
- 101a — DOOR TAG
- 0000 — KEYNOTE
- 0A0 — WALL TYPE
- -/--- — PHOTO TAG

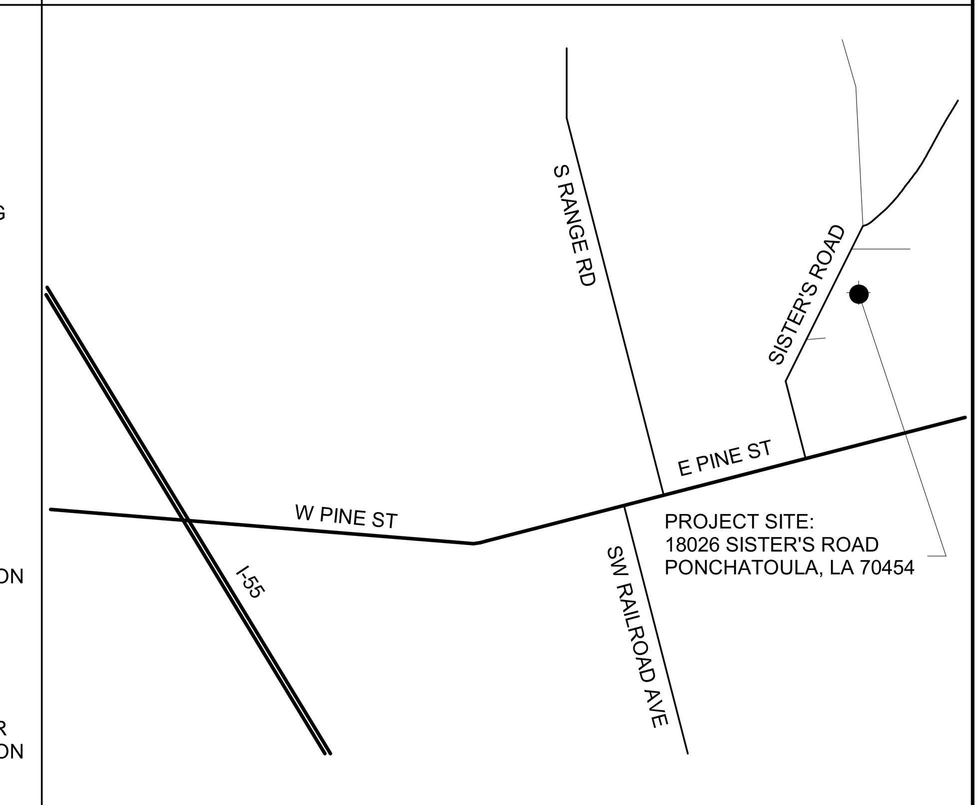
- DRAWING NUMBER 1 / SHEET NUMBER A501 — BUILDING SECTION
- DRAWING NUMBER 1 / SHEET NUMBER A701 — DETAIL SECTION
- DRAWING NUMBER 1 / SHEET NUMBER A401 — ELEVATION
- DRAWING NUMBER 1, 2 / SHEET NUMBER A801 — INTERIOR ELEVATION

NOTE: CONTRACTOR SHALL REVIEW CLOUDED AREA THOROUGHLY TO DETERMINE ALL CHANGES TO THE DOCUMENTS. FAILURE TO ACCOUNT FOR CHANGES THAT AFFECT THE CONTRACTOR'S BID IN THE CLOUDED AREA SHALL NOT BE JUSTIFICATION FOR ADJUSTMENT IN THE CONTRACT SUM.

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	INSUL	INSULATED
ACT	ACOUSTICAL CEILING TILE	INT	INTERIOR
ADJ	ADJACENT	MB	MARKER BOARD
ALT	ALTERNATE	MECH	MECHANICAL
ALUM	ALUMINUM	MIN	MINIMUM
BD	BOARD	MTL	METAL
BFE	BASE FLOOD ELEVATION	N/A	NOT APPLICABLE
BO	BOTTOM OF	NIC	NOT IN CONTRACT
CJ	CONTROL JOINT	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OH	OPPOSITE HAND
CONC	CONCRETE	PERM	PERMEABLE
CONT	CONTINUOUS	PL	PLASTIC LAMINATE
CT	CERAMIC TILE	PT	PAINT
CWFP	CEMENTITIOUS WOOD FIBER PANEL	PTD	PAINTED
DIA	DIAMETER	RB	RESILIENT BASE
DS	DOWNSPOUT	RE	REFER
DF	DRINKING FOUNTAIN	REQ'D	REQUIRED
DFE	DESIGN FLOOD ELEVATION	RO	ROUGH OPENING
EA	EACH	SB	SMART BOARD
ELEV	ELEVATION	SCW	SOLID CORE WOOD
EJ	EXPANSION JOINT	SIM	SIMILAR
EOS	EDGE OF SLAB	SS	STAINLESS STEEL
EQ	EQUAL	TB	TACK BOARD
EXIST	EXISTING	TBD	TO BE DETERMINED
EXP	EXPANSION	TO	TOP OF
EXT	EXTERIOR	TOS	TOP OF STRUCTURE
EWC	ELECTRIC WATER COOLER	TS	TACK STRIP
FF	FINISH FLOOR	TYP	TYPICAL
FE	FIRE EXTINGUISHER	UNO	UNLESS NOTED OTHERWISE
FEC	FIRE EXTINGUISHER CABINET	VCT	VINYL COMPOSITE TILE
FOF	FACE OF FINISH	VERT	VERTICAL
FOS	FACE OF STUD	VIF	VERIFY IN FIELD
GA	GAUGE	VPAB	VAPOR PERMEABLE AIR BARRIER
GALV	GALVANIZED	WB	WOOD BASE
GYP	GYPSUM	WD	WOOD
HC	HANDICAPPED	WWF	WELDED WIRE FABRIC
HORZ	HORIZONTAL		
HM	HOLLOW METAL		

VICINITY MAP



PROJECT INFORMATION

PROJECT DESCRIPTION:	10,360 SF EIGHT CLASSROOM BUILDING WITH SUPPORT SPACES AND PARKING LOT.
PROJECT ADDRESS:	18026 SISTER'S ROAD, PONCHATOULA, LA 70454
AHJ:	CITY OF PONCHATOULA
ZONING:	A-6 SINGLE FAMILY URBAN
FEMA FLOOD ZONE:	X
EXISTING USE:	EDUCATIONAL
PROPOSED USE:	EDUCATIONAL

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PLUMBING
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P101 PLUMBING SITE PLAN
P201 PLUMBING PLAN
P301 PLUMBING DETAILS
P401 PLUMBING SCHEDULES

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DC REEVES ELEMENTARY SCHOOL

CLASSROOM WING ADDITION

18026 SISTER'S ROAD, PONCHATOULA, LA

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	
QUALITY CONTROL	

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DESIGN DEVELOPMENT

G101

GENERAL INFORMATION

H/S

9/20/2021 3:31:56 PM

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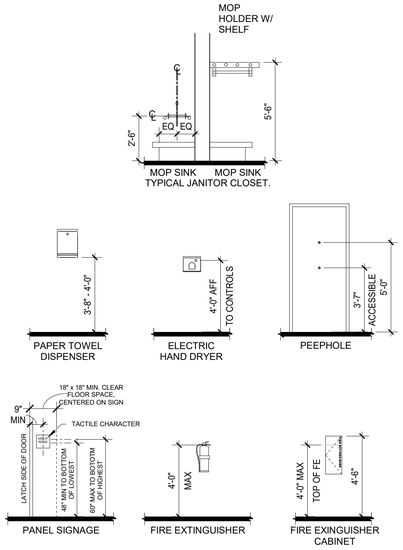
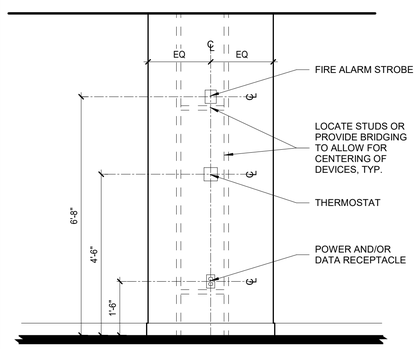
TYPICAL MOUNTING HEIGHTS

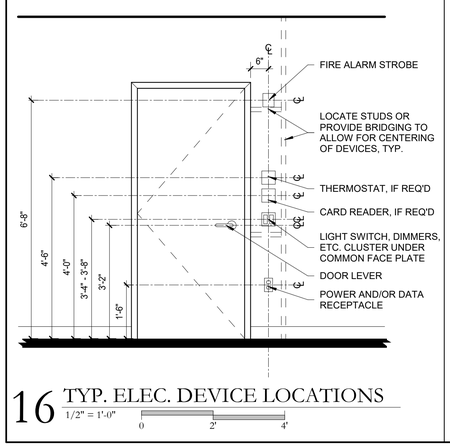


NOTE:

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



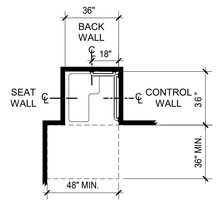
11 TYP. ELEC. DEVICE LOCATIONS
1/2" = 1'-0"



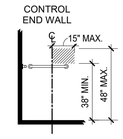
16 TYP. ELEC. DEVICE LOCATIONS
1/2" = 1'-0"

ACCESSIBILITY REQUIREMENTS

TRANSFER SHOWERS

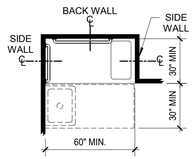


TRANSFER SHOWER COMPARTMENT SIZE AND CLEARANCE



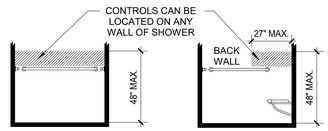
TRANSFER TYPE SHOWER CONTROL LOCATION

ROLL-IN SHOWERS



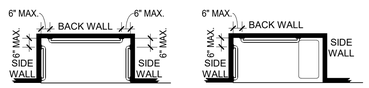
NOTE: INSIDE FINISHED DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES

STANDARD ROLL-IN SHOWER COMPARTMENT SIZE AND CLEARANCE



Without Seat — With Seat

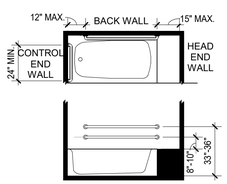
STANDARD ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

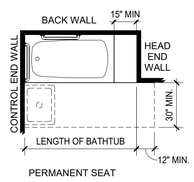


Without Seat — With Seat

GRAB BARS FOR STANDARD ROLL-IN TYPE SHOWERS

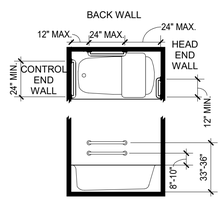
BATHTUBS

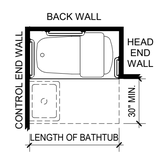




PERMANENT SEAT

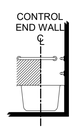
CLEARANCE AND GRAB BARS FOR BATHTUBS WITH PERMANENT SEATS





REMOVABLE IN TUB-SEAT

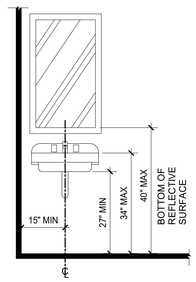
CLEARANCE AND GRAB BARS FOR BATHTUBS WITH REMOVEABLE IN-TUB SEATS

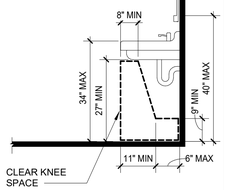


BATHTUB CONTROL LOCATION

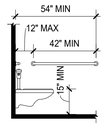
ACCESSIBILITY REQUIREMENTS

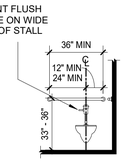
PLUMBING ELEMENTS - LAVATORIES



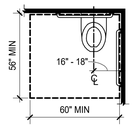


PLUMBING ELEMENTS - WATER CLOSETS

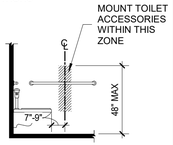




GRAB BAR MOUNTING LOCATIONS



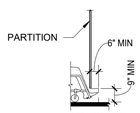
WATER CLOSET LOCATION AND SIZE



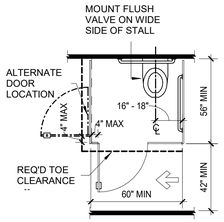
TOILET ACCESSORY MOUNTING ZONE

NOTE: PROVIDE ADJUSTMENT AS REQUIRED FOR ACCESS ABOVE / BELOW BAR. VERIFY WITH ARCHITECT SHOULD CONFLICT EXIST.

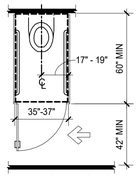
PLUMBING ELEMENTS - TOILET COMPARTMENTS



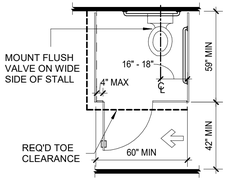
MIN TOILET PARTITION TOE CLEARANCE (ADULT)



ACCESSIBLE TOILET COMPARTMENT WALL HUNG

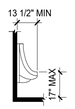


AMBULATORY ACCESSIBLE TOILET COMPARTMENT



ACCESSIBLE TOILET COMPARTMENT FLOOR MOUNTED

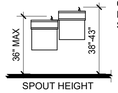
PLUMBING ELEMENTS - URINALS



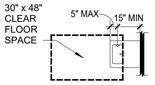
WALL HANG TYPE

STALL TYPE

PLUMBING ELEMENTS - DRINKING FOUNTAINS



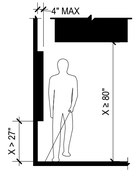
SPOUT HEIGHT



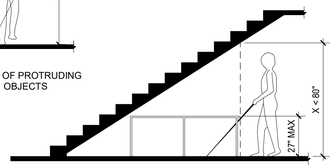
SPOUT LOCATION

ACCESSIBILITY REQUIREMENTS

VERTICAL CLEARANCES / PROTRUDING OBJECTS

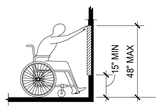


LIMITS OF PROTRUDING OBJECTS

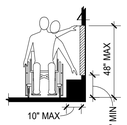


VERTICAL CLEARANCE

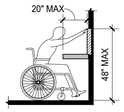
REACH RANGES



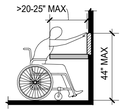
UNOBSTRUCTED FORWARD REACH



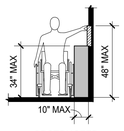
UNOBSTRUCTED SIDE REACH



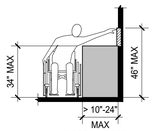
UNOBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED HIGH FORWARD REACH



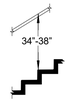
OBSTRUCTED HIGH SIDE REACH



OBSTRUCTED HIGH SIDE REACH

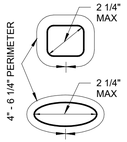
HANDRAILS

RAMPS & WALKING SURFACES



STAIRS

HANDRAIL CLEARANCE

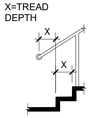


HANDRAIL NON-CIRCULAR CROSS SECTION

HANDRAIL EXTENSIONS

RAMPS

TOP OF STAIRS



BOTTOM OF STAIRS

ACCESSIBILITY REQUIREMENTS

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

GENERAL NOTES

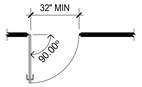
A. DIMENSIONS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.

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

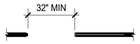
C. SEE THE PLANS FOR ALL ADDITIONAL TOILET ACCESSORIES AND ACTUAL ROOM DIMENSIONS.

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

CLEAR WIDTH OF DOORWAYS

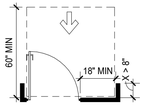


HINGED DOOR

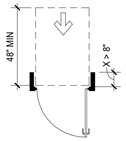


SLIDING DOOR

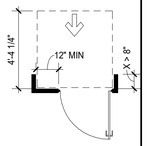
MANEUVERING CLEARANCES AT RECESSED DOORS AND GATES



PULL SIDE

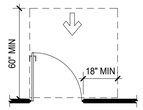


PUSH SIDE

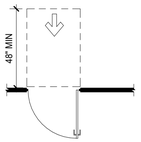


PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH

DOOR MANEUVERING CLEARANCES



FRONT APPROACH, PULL SIDE



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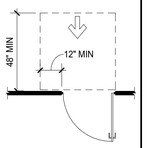
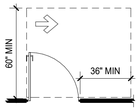


FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



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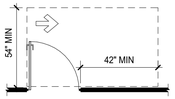

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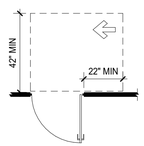

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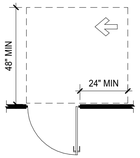
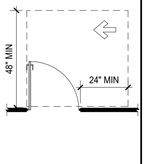
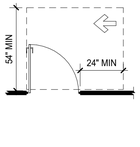


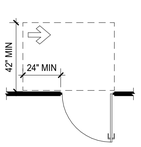
HINGE APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



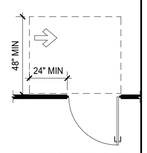
LATCH APPROACH, PULL SIDE



LATCH APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER



LATCH APPROACH, PUSH SIDE



LATCH APPROACH, PUSH SIDE, DOOR PROVIDED WITH CLOSER

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CLASSROOM WING ADDITION
18026 SISTER'S ROAD, PONCHATOULA, LA

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	
QUALITY CONTROL	

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DESIGN DEVELOPMENT

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ACCESSIBILITY GUIDELINES

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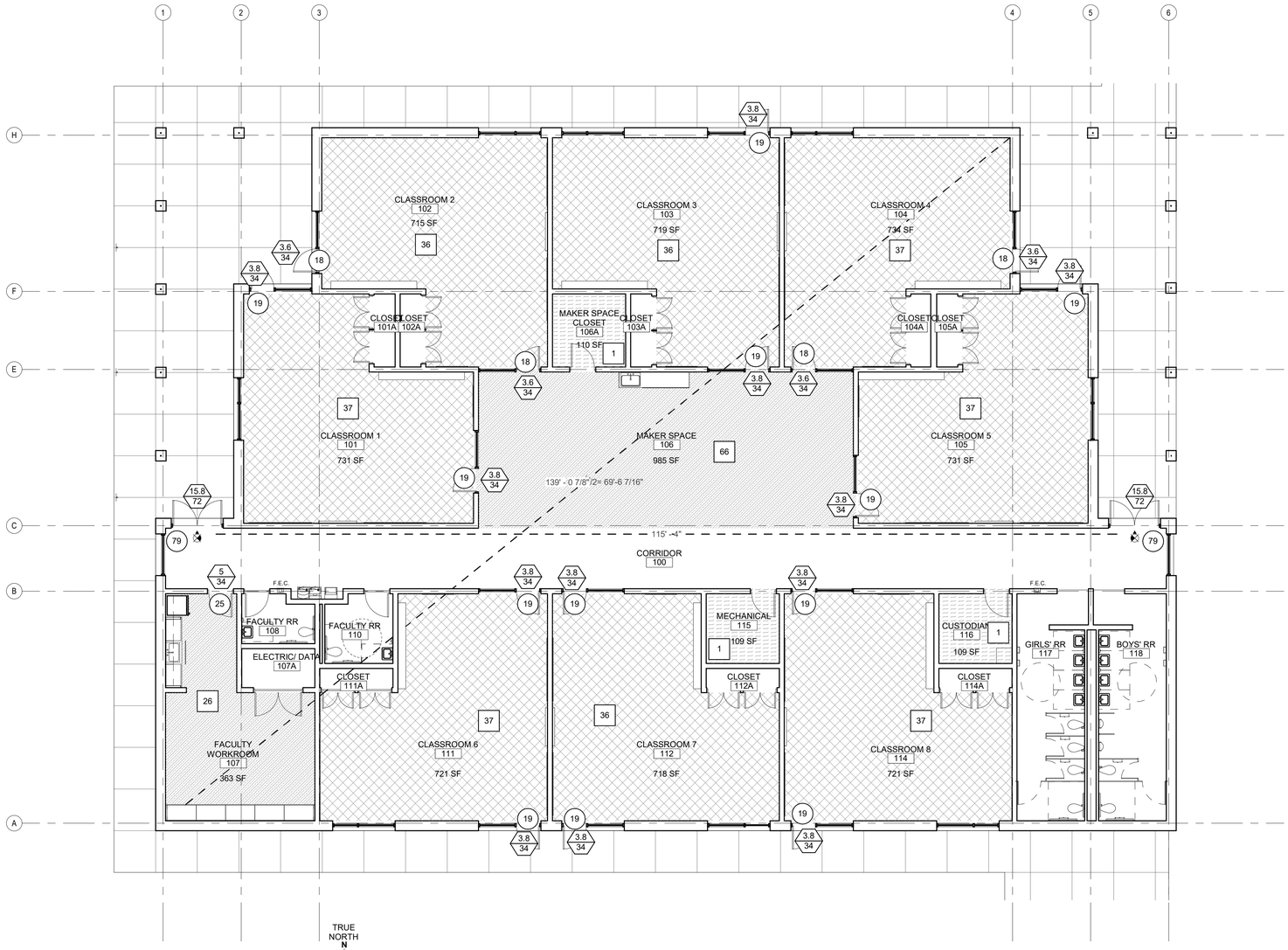

11 LEVEL 1 - LIFE SAFETY PLAN
1/8" = 1'-0"
0 8' 16'

GENERAL NOTES

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

OCCUPANCY LEGEND

- EDUCATIONAL
- MECHANICAL
- UNCONCENTRATED ASSEMBLY

EGRESS LEGEND

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

APPLICABLE CODES

BUILDING CODES:
2015 LIFE SAFETY CODE (NFPA 101, EXCLUDING CHAPTER 5)
2015 INTERNATIONAL BUILDING CODE (IBC, EXCLUD. CHAPTERS 1, 11, & 27)
2015 INTERNATIONAL MECHANICAL CODE (IMC)
2015 INTERNATIONAL FUEL GAS CODE
2015 NATIONAL ELECTRIC CODE (NFPA 70)
2015 INTERNATIONAL PLUMBING CODE
NFPA 10 - FIRE EXTINGUISHERS
NFPA 72 - FIRE ALARM SYSTEMS

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

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

CODE DATA

PROJECT DESCRIPTION:
DC REEVES 8 CLASSROOM BUILDING WITH ASSOCIATED SITEWORK

BUILDING SQUARE FOOTAGE:
11,273 SF (INCLUDES COVERED EXTERIOR PATIO)

BUILDING HEIGHT:
? ? 1 STORY [VERIFY WITH DEFINITION]

OCCUPANCY CLASSIFICATION:
EDUCATIONAL GROUP E

CONSTRUCTION TYPE:
VB

AUTOMATIC FIRE SUPPRESSION:
NO

BUILDING AREA AND HEIGHT LIMITATIONS (IBC TABLE 504.4, 506.2. :
9,500 S.F./ 1 STORY/ 55' HEIGHT

ALLOWABLE AREA DETERMINATION (IBC 506.2):
ALLOWABLE AREA MODIFICATION FOR FRONTAGE INCREASE= 9500 SF + (9500 S.F. X .7)= 16,150 S.F.

OCCUPANCY SCHEDULE

FUNCTION OF SPACE	AREA	AREA PER OCCUPANT	OCCUPANCY S.F. TYPE	NUMBER OF OCCUPANTS
(IBC TAB. 1004.1.1, NFPA 101, TAB 7.3.1.2)				
EDUCATIONAL	715 SF	20 SF	NET	36
EDUCATIONAL	731 SF	20 SF	NET	37
EDUCATIONAL	731 SF	20 SF	NET	37
EDUCATIONAL	721 SF	20 SF	NET	37
EDUCATIONAL	718 SF	20 SF	NET	36
EDUCATIONAL	721 SF	20 SF	NET	37
EDUCATIONAL	719 SF	20 SF	NET	36
EDUCATIONAL	734 SF	20 SF	NET	37
				293
MECHANICAL	109 SF	300 SF	GROSS	1
MECHANICAL	109 SF	300 SF	GROSS	1
MECHANICAL	110 SF	300 SF	GROSS	1
				3
UNCONCENTRATED ASSEMBLY	985 SF	15 SF	NET	66
UNCONCENTRATED ASSEMBLY	363 SF	15 SF	NET	25
				91
TOTAL OCCUPANT LOAD (BUILDING)				387

FIRE RATING REQ.

IBC TABLE 601:
PRIMARY STRUCTURAL FRAME: 0
BEARING WALLS: 2 HRS
INTERIOR NONBEARING WALLS AND PARTITIONS: 0
ROOF CONSTRUCTION: 0

INCEDENTAL USE AREAS: (IBC TABLE 508.2, NPFA 101:14.3.2.1, 101:8.7.1.2, TABLE 101:8.3.4.2, 101:12.3.2)

STORAGE (OVER 100 SF) — 1 HR. FIRE BARRIER OR AUT. FIRE-EXT. SYS.

JANITOR CLOSET — 1 HR. FIRE BARRIER OR AUT. FIRE-EXT. SYS.

CORRIDORS: (IBC 1020.1)
FIRE RESISTANT RATING NOT REQUIRED FOR CORRIDORS IN OCCUPANCY E WHERE EACH ROOM THAT IS USED FOR INSTRUCTION HAS NOT LESS THAN ONE DOOR OPENING DIRECTLY TO THE EXTERIOR.

EGRESS REQ.

MINIMUM CORRIDOR WIDTH ALLOWANCE:
72" WIDE MINIMUM IN GROUP E WITH A CORRIDOR HAVING AN OCCUPANT LOAD OF 100 OR MORE (IBC TABLE 1020.2, NFPA SECT. 14.2.3.2)

MINIMUM NUMBER OF EXITS REQUIRED:
(NFPA) 2 MEANS OF EGRESS (SECTION 7.4.1.2)
(IBC) 2 MEANS OF EGRESS (SECTION 1015.1.1, TABLE 1015.1)

MISCELLANEOUS EGRESS REQUIREMENTS:
MAX. TRAVEL DISTANCE TO EXIT = 150' (NFPA101:14.2.6.2)
MAX. DEAD END CORRIDOR LENGTH = 20' (NFPA101:14.2.5.2)
COMMON PATH OF TRAVEL = 75' (NFPA101:14.2.5.3)

DOORS:
PANIC HARDWARE REQUIRED ON SPACES WITH AN OCCUPANT LOAD 50 OR MORE (IBC 1010.1.10)
DOOR SHALL SWING IN THE DIRECTION OF EGRESS WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE PERSONS (IBC 1010.1.2.1)

DETECTION, ALARM, & COMMUNICATION SYSTEM REQ.

FIRE ALARM

SYSTEM REQUIREMENTS:
MANUAL FIRE ALARM SYSTEM THAT INITIATES THE OCCUPANT NOTIFICATION SIGNAL UTILIZING AN EMERGENCY VOICE/ ALARM COMMUNICATION SYSTEM MEETING THE REQUIREMENTS OF IBC SECTION 907.5.2.2 AND INSTALLED IN ACCORDANCE WITH SECTION 907.6 IS REQUIRED (IBC SECT. 907.2.3, NFPA SECT. 14.3.4.1.1)

AUTOMATIC SPRINKLER SYSTEM

NOT REQUIRED (NFPA101: 14.3.5, IBC 903.2.3)

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CLASSROOM WING ADDITION
18026 SISTER'S ROAD, PONCHATOULA, LA

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	
QUALITY CONTROL	

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DESIGN DEVELOPMENT

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LIFE SAFETY

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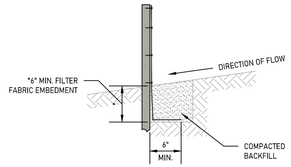
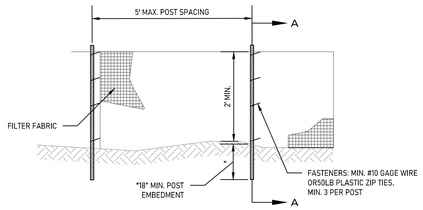


SECTION A-A



2 SILT FENCE
NOT TO SCALE

3 TREE PROTECTION DETAIL
NOT TO SCALE

TREE PROTECTION NOTES:

1. FENCE MATERIAL SHALL CONSIST OF ORANGE, UV RESISTANT, HIGH TENSILE STRENGTH, POLYETHYLENE LAMINAR BARRICADE FABRIC.
2. INSTALL TREE PROTECTION FENCE AT TREE DRIP LINE OR AT EDGE OF DISTURBED AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. NO STORAGE OF MATERIALS SHALL BE PERMITTED WITHIN THE BOUNDARIES OF THE TREE PROTECTION FENCING.
4. TREE PROTECTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION

DEMOLITION LEGEND

PAVEMENT TO BE REMOVED	
GRAVEL TO BE REMOVED	
AREA OF STRIPPING	
SAW CUT PAVEMENT	
ITEM TO BE REMOVED	X OR
SILT FENCE (2/C100)	x
TREE PROTECTION FENCE (3/C100)	
EXISTING ELEVATION	×23.00
RIGHT OF WAY	R/W

EROSION CONTROL NOTES:

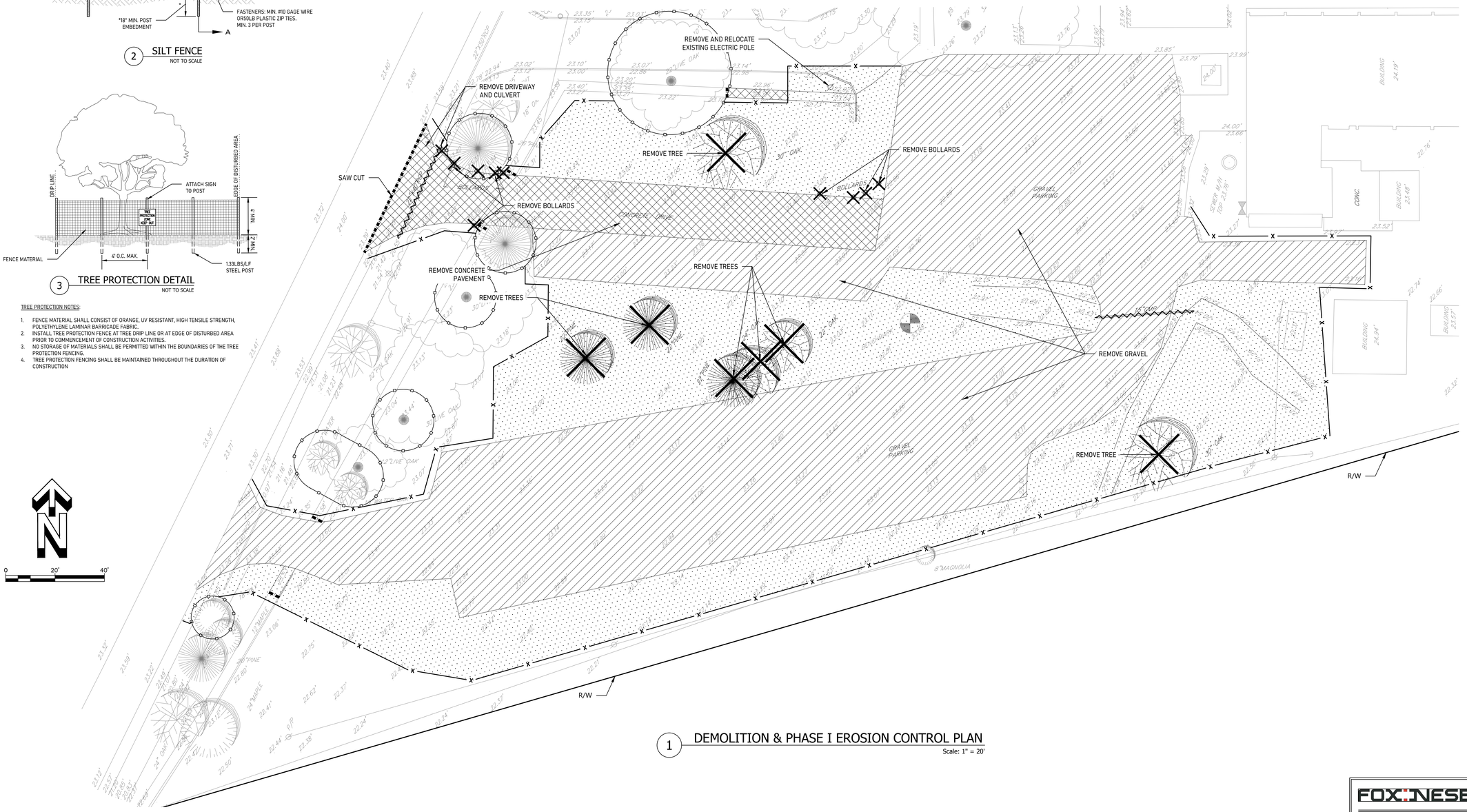
1. CONTRACTOR SHALL SUBMIT "LPDES NOTICE OF INTENT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY EQUAL TO OR GREATER THAN 1 ACRE BUT LESS THAN 5 ACRES" (LAR200000) TO LDEQ A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION OR DEMOLITION ACTIVITIES.
2. CONTRACTOR SHALL SUBMIT "LPDES NOTICE OF TERMINATION OF COVERAGE UNDER LPDES GENERAL PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY" UPON THE FINAL ACCEPTANCE OF THE PROPOSED IMPROVEMENTS.
3. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATED TO THE CONTROL OF EROSION & PROTECTION OF RECEIVING STORMWATER SYSTEMS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING & MAINTAINING PROVISIONS OF THE STORMWATER POLLUTION PREVENTION PLAN.
5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT COVER IS ESTABLISHED.
6. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF ANY OTHER CONSTRUCTION OR DEMOLITION ACTIVITIES, AND SHALL REMAIN IN-PLACE UNTIL SUCH TIME THAT THE PAVED SURFACE IS CONSTRUCTED.
7. SILT FENCE INSTALLATION SHALL PRECEDE ANY CLEARING, DEMOLITION, OR CONSTRUCTION ACTIVITIES.
8. WITH THE EXCEPTION OF AREAS THAT ARE DESIGNATED TO BE FINISHED WITH PAVEMENT, SOD OR PLANTINGS, ALL DISTURBED AREAS SHALL BE SEEDED WITHIN SEVEN (7) DAYS AFTER THE COMPLETION OF CLEARING ACTIVITIES.
9. ALL EROSION & SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED WEEKLY (AT A MINIMUM) AND AFTER EACH RAINFALL. DEFICIENT AREAS SHALL BE REPAIRED BY CONTRACTOR IMMEDIATELY.
10. PROVIDE SILT FENCE AROUND SOIL STOCKPILES THAT WILL NOT BE USED WITHIN THREE (3) DAYS FROM PLACEMENT, OR THAT SHED RUNOFF TOWARDS UNPROTECTED DRAINAGE SYSTEMS.

GENERAL NOTES:

1. INFORMATION DEPICTING THE EXISTING CONDITIONS HEREON WAS TAKEN FROM "TOPOGRAPHIC CURVEY OF: D.C. REEVES ELEMENTARY SCHOOL SECT. 18, T-7-S, R-8-E GREENSBURGS LAND DISTRICT, TANGIPAHOA PARISH, LOUISIANA" BY KELLY J, McHUGH & ASSOC.,INC. FOX-NESBIT ENGINEERING, LLC HAS NOT FIELD-VERIFIED THE ITEMS IDENTIFIED ON THIS SURVEY.
2. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 2202060435F, DATED JUNE 22, 2012. THIS PROPERTY IS LOCATED IN FLOOD ZONE 'X' (AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN). FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH TANGIPAHOA PARISH.
3. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION TO HAVE THEIR UTILITIES LOCATED IN THE FIELD. CONTRACTOR SHALL MAKE REQUEST THROUGH LOUISIANA ONE CALL (811).

DEMOLITION NOTES:

1. THE LIMITS OF STRIPPING SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LIMITS BASED ON THE LAYOUT OF THE PROPOSED SITE IMPROVEMENTS.
5. AREAS BENEATH PROPOSED PAVEMENT OR SLABS SHALL BE STRIPPED TO A MINIMUM DEPTH OF 6" OR AS REQUIRED TO ACHIEVE THE PROPOSED SUBGRADE ELEVATIONS IN ORDER TO REMOVE ALL VEGETATION, ORGANIC MATTER, AND DELETERIOUS MATERIALS & TO ACHIEVE STABLE SUBGRADE. ACTUAL DEPTH OF REMOVAL SHALL BE VERIFIED IN FIELD WITH THE GEOTECHNICAL ENGINEER.
6. ALL EXCESS TOPSOIL SHALL BE REMOVED FROM THE PROJECT SITE & DISPOSED OF LAWFULLY.
7. ALL MATERIAL REMOVED FROM AREAS OF PAVEMENT DEMOLITION SHALL BE REMOVED FROM SITE & DEPOSITED IN A OFF-SITE LOCATION.
8. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATED TO THE DEMOLITION & REMOVAL OF ALL POTENTIALLY HAZARDOUS MATERIALS.
9. THE CONTRACTOR SHALL PROTECT ALL EXISTING FEATURES DESIGNED TO REMAIN THROUGHOUT CONSTRUCTION, AND SHALL REPAIR OR REPLACE DAMAGED ITEMS IN KIND AT NO ADDITIONAL COST TO THE OWNER.



1 DEMOLITION & PHASE I EROSION CONTROL PLAN
Scale: 1" = 20'

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DEMOLITION & PHASE 1 EROSION CONTROL PLAN

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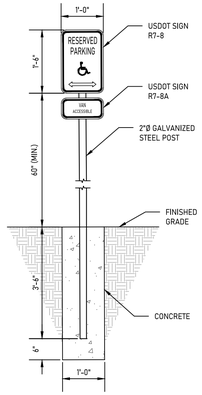
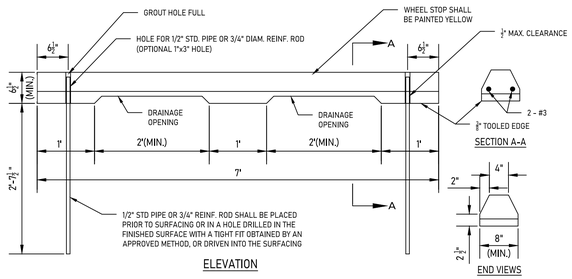
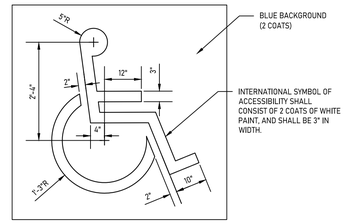


5 HANDICAPPED PARKING SIGN
NOT TO SCALE



6 PRECAST CONCRETE WHEEL STOP DETAILS
NOT TO SCALE



7 PAINTED ACCESS SYMBOL
NOT TO SCALE

SITE PLAN KEYED NOTES

1	NEW CONCRETE SIDEWALK
2	NEW CONCRETE PAVEMENT
3	NEW ASPHALT PAVEMENT
4	NEW CRUSHED STONE
5	EXISTING CONCRETE PAVEMENT
6	YELLOW TRAFFIC FLOW ARROWS
7	END OF LANE MARKINGS & SIGN (R1-1, 30"x30")
8	PARKING DELINEATORS
9	4" SOLID YELLOW STRIPE
10	8" SOLID BLUE STRIPE
11	8" BLUE STRIPE 4' O.C. @ 45°
12	PAINTED INTERNATIONAL SYMBOL OF ACCESS (7/C200)
13	HANDICAPPED PARKING SIGN
14	DETECTIBLE WARNING SURFACE

SITE PLAN LEGEND

PARKING COUNT	#
KEYED NOTE	#
WHEEL STOP (6/C200)	
PROPOSED CONCRETE SIDEWALK (4")	
PROPOSED CONCRETE PAVEMENT	
PROPOSED ASPHALT PAVEMENT	
CRUSHED STONE	

GENERAL NOTES:

1. INFORMATION DEPICTING THE EXISTING CONDITIONS HEREON WAS TAKEN FROM "TOPOGRAPHIC CURVEY OF: D.C. REEVES ELEMENTARY SCHOOL SECT. 18, T-7-S, R-8-E GREENSBURGS LAND DISTRICT, TANGIPAHOA PARISH, LOUISIANA" BY KELLY J. McHUGH & ASSOC.,INC. FOX-NESBIT ENGINEERING, LLC HAS NOT FIELD-VERIFIED THE ITEMS IDENTIFIED ON THIS SURVEY.
2. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 2202060435F, DATED JUNE 22, 2012. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN). FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH TANGIPAHOA PARISH.
3. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION TO HAVE THEIR UTILITIES LOCATED IN THE FIELD. CONTRACTOR SHALL MAKE REQUEST THROUGH LOUISIANA ONE CALL (811).

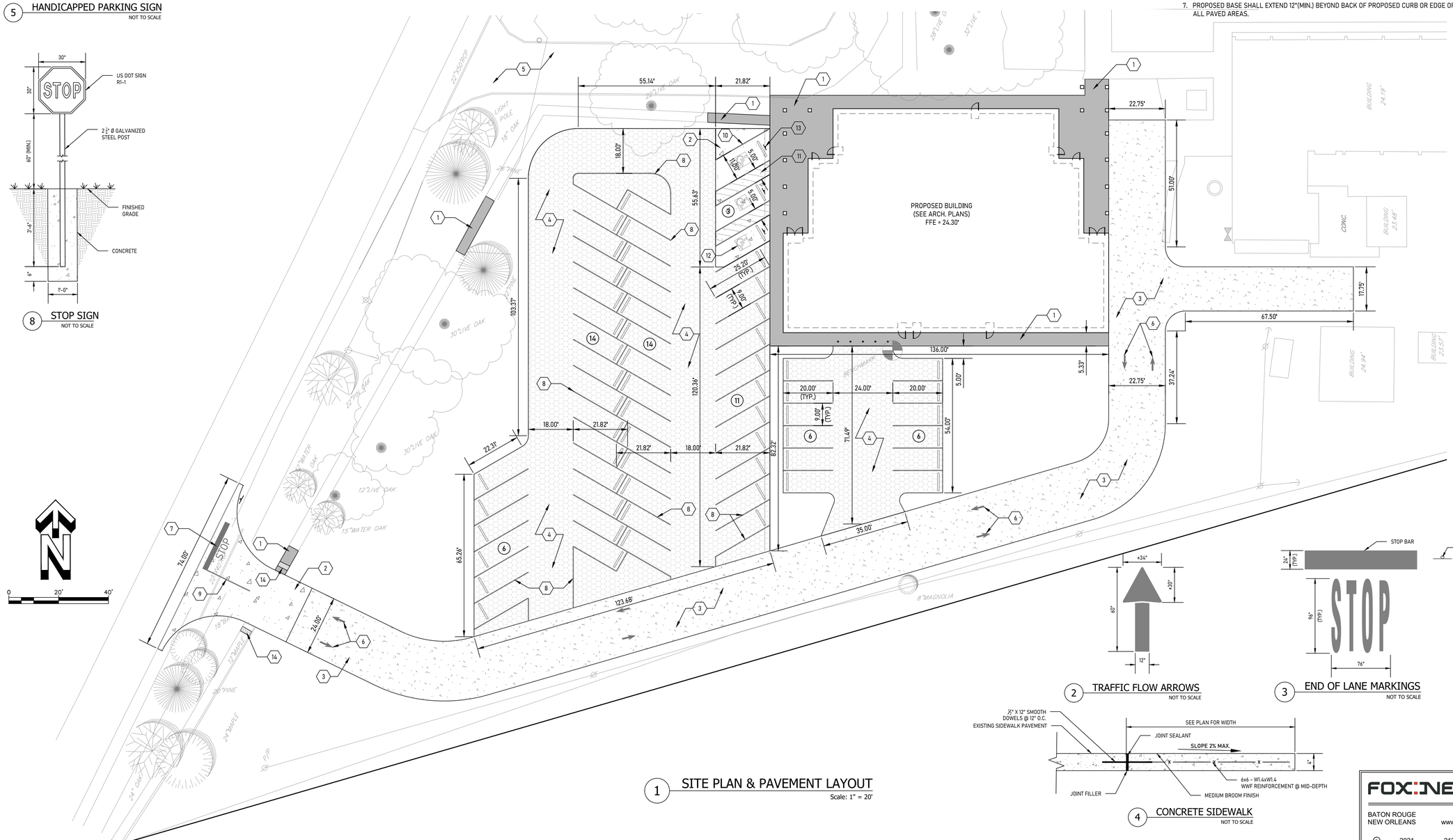
SITE PLAN & GEOMETRIC LAYOUT NOTES:

1. WHERE CURVE DATA IS NOT SHOWN, CURVES SHALL HAVE A TOTAL ANGLE OF 90°.
2. DIMENSIONS FROM SHOWN PROPERTY BOUNDARIES ARE TAKEN TO THE BACK OF CURB. ALL OTHER DIMENSIONS & ALL CURVE DATA ARE TAKEN TO THE FACE OF CURB.
3. ALL PROPOSED SIGNAGE & PAVEMENT STRIPING SHALL CONFORM TO THE CURRENT EDITION OF THE M.U.T.C.D.

PAVEMENT NOTES:

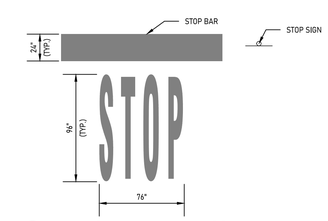
1. ALL CONCRETE PAVEMENT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000PSI.
2. ALL PAVEMENT JOINTS SHALL BE EXTENDED THROUGH CURBS.
3. ALL JOINTS SHALL BE OFFSET A MINIMUM OF 2FT FROM EDGE OF PAVEMENT IN ORDER TO PROVIDE A PERPENDICULAR INTERSECTION WHERE CURVES OR ACUTE ANGLES ARE ENCOUNTERED.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

8 STOP SIGN
NOT TO SCALE



1 SITE PLAN & PAVEMENT LAYOUT
Scale: 1" = 20'

2 TRAFFIC FLOW ARROWS
NOT TO SCALE



3 END OF LANE MARKINGS
NOT TO SCALE

4 CONCRETE SIDEWALK
NOT TO SCALE

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DC REEVES ELEMENTARY SCHOOL
CLASSROOM WING ADDITION
18026 SISTER'S ROAD, PONTCHATOULA, LA

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	PM
QUALITY CONTROL	SH

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C200
SITE PLAN

H/S

GRADING & STORM DRAINAGE LEGEND

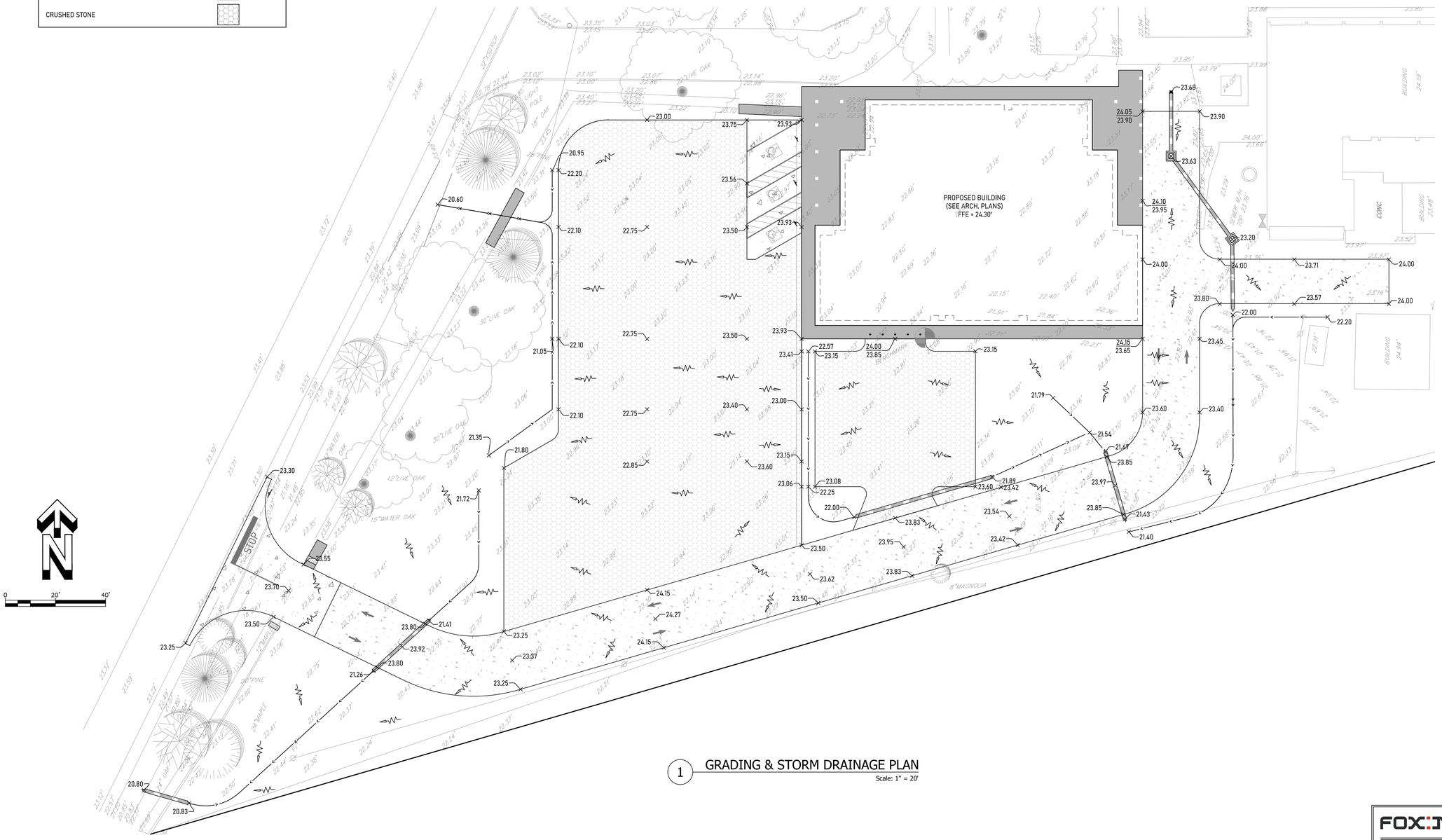
PROPOSED FINISHED GRADE	×23.00
PROPOSED TOP OF CURB ELEVATION / PROPOSED PAVEMENT ELEVATION	× 23.50 / 23.00
MATCH EXISTING GRADE	×24.50 EG
EXISTING ELEVATION	×23.00
PROPOSED SWALE CENTERLINE	
DIRECTION OF OVERLAND FLOW	
STORM DRAINAGE PIPE (SDP)	
CONCRETE DRAINAGE STRUCTURE	
DIRECTION OF OVERLAND FLOW	
NEW ASPHALT PAVEMENT	
PROPOSED CONCRETE PAVEMENT	
CONCRETE SIDEWALK (SEE LANDSCAPE PLANS)	
CRUSHED STONE	

GRADING NOTES:

1. SEE LANDSCAPE ARCHITECT'S DRAWINGS FOR HARDSCAPE & GRADING REQUIREMENTS IN AREAS OF NON-VEHICULAR PAVEMENT.
2. UNLESS OTHERWISE SPECIFIED, FINISHED GRADE AT PERIMETER OF PROPOSED PAVEMENT SHALL SLOPE TO EXISTING GRADE AT A MAXIMUM SLOPE OF 4H:1V.
3. ALL EXISTING ELEVATIONS ANNOTATED WITH "(EG)" SHALL BE VERIFIED PRIOR TO THE INSTALLATION OF THE ASSOCIATED PROPOSED FEATURE. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY IF ANY DISCREPANCIES EXIST.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING & PROPOSED BUILDINGS AT ALL TIMES.

STORM DRAINAGE NOTES:

1. IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP PANEL 22012060435F, DATED JUNE 22, 2012. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN). FLOOD ZONE INFORMATION SHALL BE CONFIRMED WITH TANGIPAHOA PARISH.
2. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM PROPOSED BUILDINGS AT ALL TIMES.
3. ALL DRAINAGE PIPES, STRUCTURES, AND FITTINGS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00.
4. HORIZONTAL CONTROL DIMENSIONS ARE TAKEN FROM THE FACE OF CURB AND TO THE CENTER OF PROPOSED DRAINAGE STRUCTURES..
5. PROPOSED DRAINAGE SYSTEMS SHALL BE CONSTRUCTED BEGINNING AT THE OUTFALL POINT AND PROCEEDING UPSTREAM.
6. ALL ROOF DRAIN LEADERS SHALL BE 8" PVC @ 1.00% SLOPE (MIN.).
7. CONTRACTOR SHALL CLEAR EXISTING PIPE OF MUD & DIRT, AND SHALL CLEAR DOWNSTREAM DRAINAGE LINES. DO NOT ALLOW FLUSHED MATERIAL TO DRAIN OFF-SITE.
8. WHERE "SDP" IS INDICATED, PIPE MATERIAL SHALL BE PLASTIC OR CONCRETE IN ACCORDANCE WITH SPECIFICATION SECTION 33 42 00.
9. WHERE INDICATED "E.I." SHALL BE VERIFIED PRIOR TO THE INSTALLATION OF THE ASSOCIATED PROPOSED FEATURE. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY IF ANY DISCREPANCIES EXIST.



1 GRADING & STORM DRAINAGE PLAN

Scale: 1" = 20'

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C300

PAVEMENT & GRADING PLAN

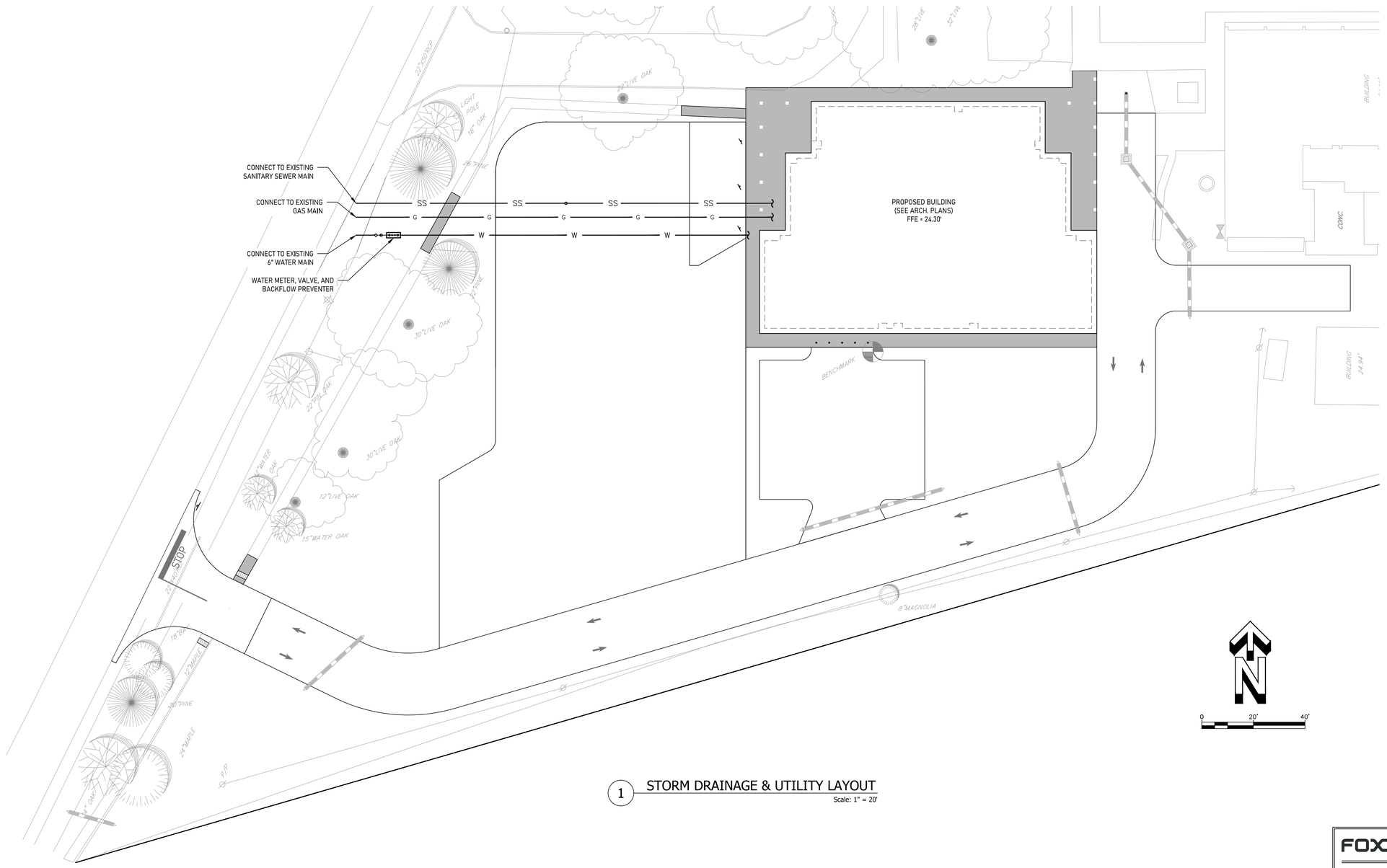
H/S

UTILITY LEGEND

DOMESTIC WATER PIPING	W
SANITARY SEWER LINE	SS
SANITARY SEWER CLEANOUT	CO
GAS LINE	G
SEE M.E.P. FOR CONTINUATION	~

UTILITY NOTES:

1. WHERE PROPOSED WATER LINES & SANITARY SEWER LINES CROSS, A MINIMUM VERTICAL SEPARATION OF 12" ABOVE THE TOP OF THE SEWER LINE (MEASURED EDGE TO EDGE) SHALL BE PROVIDED BETWEEN THE LINES. THE WATER SERVICE LINE SHALL BE SLEEVED TO A POINT NOT LESS THAN 5' HORIZONTALLY FROM THE CENTERLINE OF THE SEWER LINE WITH MATERIAL APPROVED FOR WATER LINE CONSTRUCTION.
2. WATER MAINS & SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SEPARATION OF 5' (MEASURED EDGE TO EDGE).
3. ALL WATER LINES 3" IN DIAMETER & LARGER SHALL HAVE RESTRAINED JOINTS.
4. PROPOSED FIRE & DOMESTIC WATER PIPING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 14 16.
5. PROPOSED SANITARY SEWER PIPING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION SECTION 33 31 13.
6. ALL UTILITY CONNECTIONS TO THE BUILDINGS SHALL BE VERIFIED WITH THE M.E.P. PLANS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONNECTIONS TO EXISTING PUBLIC UTILITY SYSTEMS WITH THE APPROPRIATE AGENCY HAVING OWNERSHIP OF THE RESPECTIVE UTILITY SYSTEM.
8. CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTH PRIOR TO INSTALLATION OF SANITARY SEWER.



1 STORM DRAINAGE & UTILITY LAYOUT

Scale: 1" = 20'

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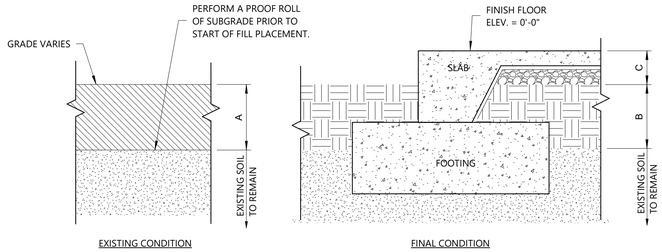
STORM DRAINAGE & UTILITY PLAN

H/S

EARTHWORK NOTES:

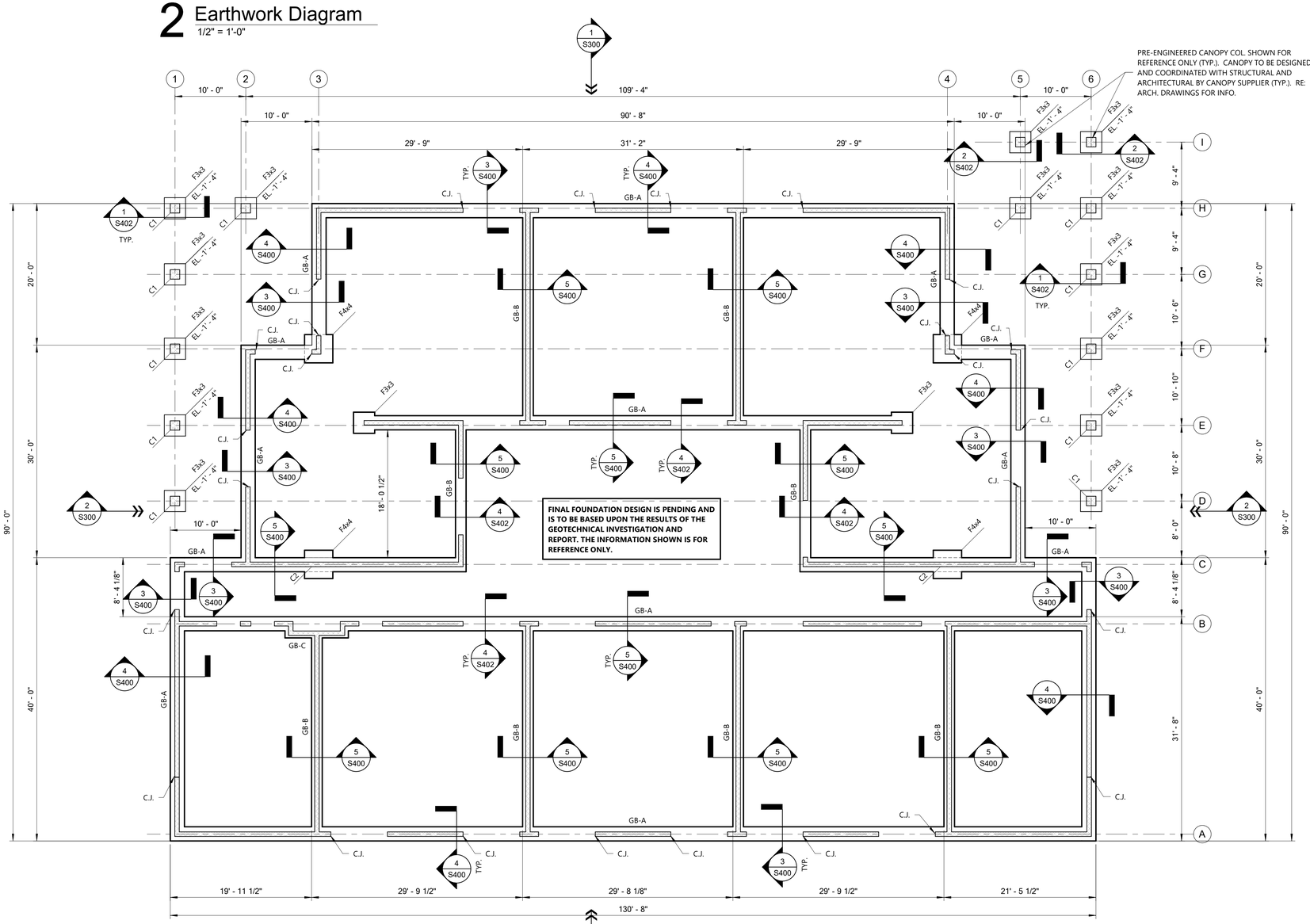
1. ALL EARTHWORK BENEATH THE BUILDING PAD SHALL BE DONE IN STRICT ACCORDANCE WITH EARTH MOVING SPECIFICATION 312100 AND REQUIREMENTS ON CONTRACT DRAWINGS.
2. PROOF ROLL SHALL BE WITNESSED BY A/E OR OWNER PROVIDED TESTING AGENCY.
3. ALL FILL SHALL BE PLACED IN 8" MAX. LIFTS, COMPACTED AND TESTED FOR COMPACTION BY TESTING AGENCY.

FINAL FOUNDATION DESIGN IS PENDING AND IS TO BE BASED UPON THE RESULTS OF THE GEOTECHNICAL INVESTIGATION AND REPORT. THE INFORMATION SHOWN IS FOR REFERENCE ONLY.



A. DEMOLITION/REMOVAL:
   a. REMOVE EXISTING PAVEMENT AS SHOWN ON CIVIL DEMOLITION PLANS.
   b. REMOVE A MINIMUM OF 6" OF EXISTING EARTH MATERIAL BELOW THE BUILDING PAD AND EXTENDING OUT 5' FROM ALL BUILDING EDGES.
   c. REMOVE ANY SOFT OR UNSTABLE SOILS.
   d. REMOVE ADDITIONAL MATERIAL IF REQUIRED BY SPECIFICATIONS.
   e. REMOVE ADDITIONAL MATERIAL IF REQUIRED TO PLACE 12" OF SELECT FILL AND MEET THE REQUIRED FINISHED FLOOR ELEVATION.
B. PROVIDE A MINIMUM OF 12" OF SATISFACTORY SOIL FILL. EXTEND FILL OUT 5' FROM BUILDING EDGES PRIOR TO SLOPING. RE: SPECIFICATION FOR FILL TYPE AND COMPACTION REQUIREMENTS.
C. CONCRETE SLAB ON VAPOR RETARDER ON GRAVEL DRAINAGE LAYER, RE: PLANS AND DETAILS.

2 Earthwork Diagram
1/2" = 1'-0"



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

FOUNDATION PLAN NOTES AND LEGEND:

THE TOP OF ALL GRADE BEAMS AND PEDESTALS SHALL BE AT EL. -0'-8" BELOW FIRST FLOOR SLAB EL. 0'-0" (24.30' NAVD) UNLESS NOTED OTHERWISE.

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

THE CENTER OF GRAVITY OF ALL FOOTINGS IS AT THE INTERSECTION OF COLUMN GRIDLINES OR CENTERED ON GRADE BEAM IF NO COLUMN IS PRESENT, UNLESS NOTED OTHERWISE.

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

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

G.B.T. = GRADE BEAM TRANSITION PER DETAIL X/SX.X.

C1 = DENOTES CMU COL. TYPE 1. RE: DETAILS.

C.J. = INDICATES CMU WALL CONTROL JOINT. RE: TYP. DETAIL.

▨ = INDICATES 8" CMU WALL REINFORCED WITH #4 AT 48" O.C. VERT., STD DUR-O-WAL AT 16" O.C. AND 8" CONT. U-BLOCK BOND BEAMS WITH (2)-#4 CONT. AT 40" O.C HORIZONTAL. SEE DETAILS, GENERAL NOTES, SPECIFICATION, ETC. FOR ADDITIONAL REINFORCMENT AND CONSTRUCTION INFORMATION. SEE ARCH. FOR WALL EXTENTS, HEIGHTS, OPENINGS, ETC.

SEE GENERAL NOTES FOR FORMING REQUIREMENTS OF FOUNDATION ELEMENTS.

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

GRADE BEAM SCHEDULE

Mark	Width	Depth	Top Bars	Bottom Bars	Ties
GB-A	2' - 0"	2' - 0"	(2)-#7 CONTINUOUS	(2)-#7 CONTINUOUS	#3 TIES AT 12" O.C.
GB-B	1' - 6"	2' - 0"	(2)-#7 CONTINUOUS	(2)-#7 CONTINUOUS	#3 TIES AT 18" O.C.
GB-C	3' - 0"	2' - 0"	(4)-#6 CONTINUOUS	(4)-#6 CONTINUOUS	(2) SETS OF #3 TIES AT 18" O.C. ▨

SPREAD FOOTING SCHEDULE

Mark	Width	Length	Thickness	Reinforcement
F3x3	3' - 0"	3' - 0"	1' - 3"	#5 AT 6" O.C. EACH WAY BOTT. (H)
F4x4	4' - 0"	4' - 0"	1' - 3"	#5 AT 6" O.C. EACH WAY BOTT. (H)

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18026 SISTER'S RPAD, PONTCHATOULA, LA

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S100
FOUNDATION PLAN

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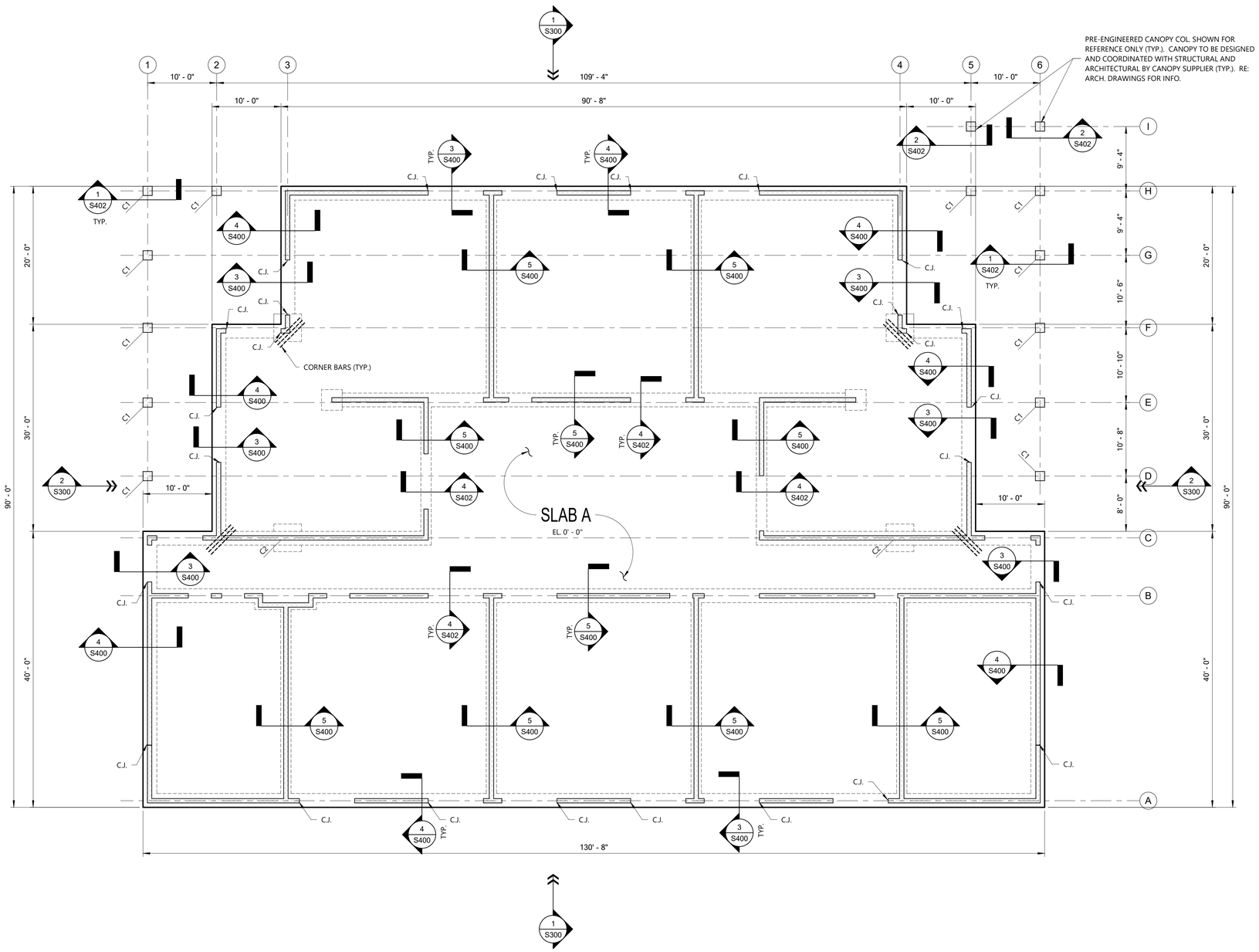
FINAL FIRST FLOOR SLAB DESIGN IS PENDING AND IS TO BE BASED UPON THE RESULTS OF THE GEOTECHNICAL INVESTIGATION AND REPORT. THE INFORMATION SHOWN IS FOR REFERENCE ONLY.



NORTH

1 SLAB PLAN

1/8" = 1'-0"

SLAB PLAN NOTES AND LEGEND:

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

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

SEE DETAIL XXX FOR ADDITIONAL REINFORCEMENT AT SLAB OPENINGS.

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

C1 = DENOTES CMU COL. TYPE 1. RE: DETAILS.

C.J. = INDICATES CMU WALL CONTROL JOINT.

▨ = INDICATES 8" CMU WALL REINFORCED WITH #4 AT 48" O.C. VERT., STD DUR-O-WAL AT 16" O.C. AND 8" CONT. U-BLOCK BOND BEAMS WITH (2)-#4 CONT. AT 40" O.C HORIZONTAL. SEE DETAILS, GENERAL NOTES, SPECIFICATION, ETC. FOR ADDITIONAL REINFORCMENT AND CONSTRUCTION INFORMATION. SEE ARCH. FOR WALL EXTENTS, HEIGHTS, OPENINGS, ETC.

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18026 SISTER'S RPAD, PONTCHATOULA, LA

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S101

SLAB PLAN

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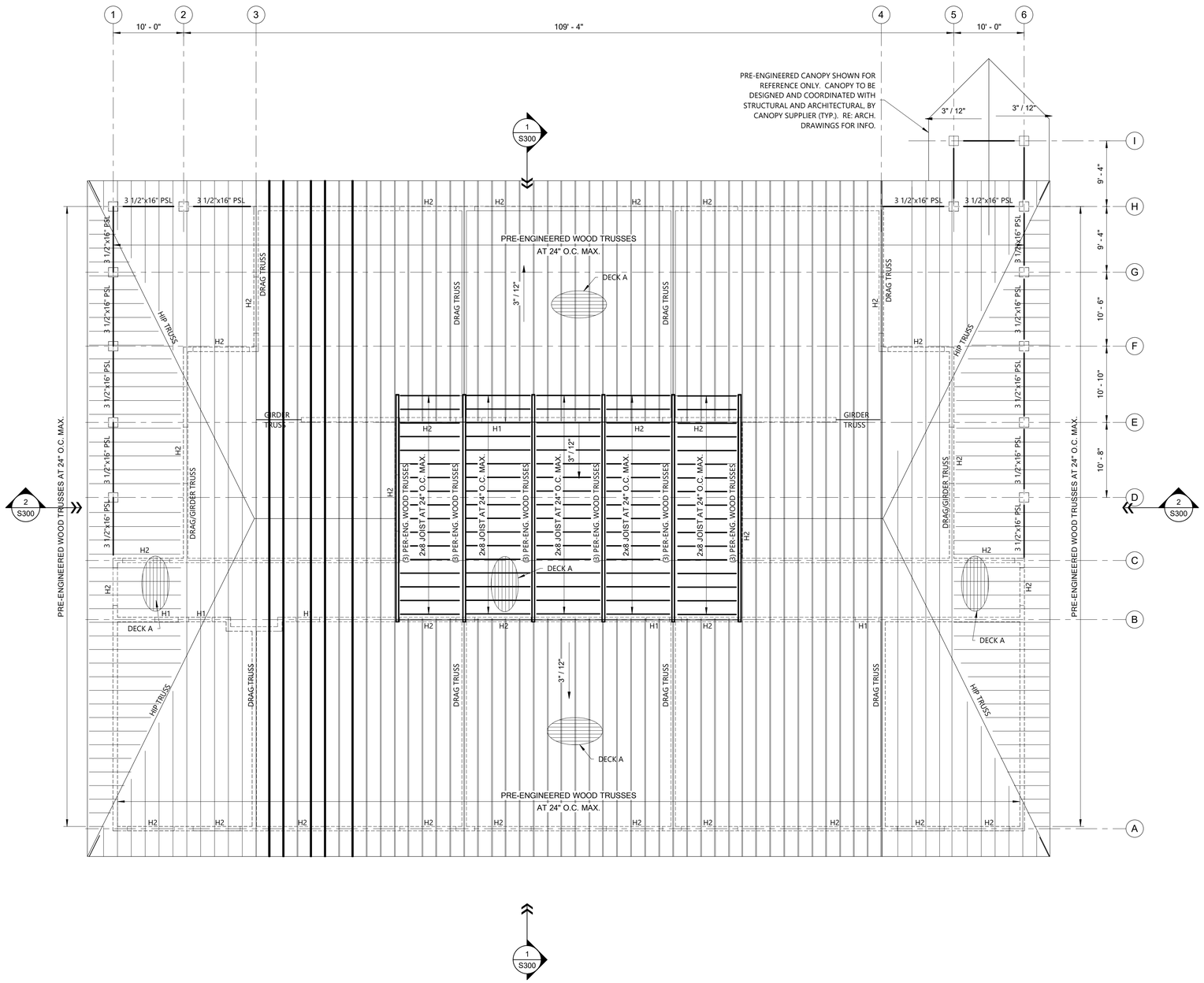

1 ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES AND LEGEND:

DECK A = 3/4" PLYWOOD STAGGERED AND ORIENTED PERPENDICULAR TO FRAMING. SEE TYPICAL DETAILS AND SCHEDULE.

ALL ROOF FRAMING PERMANENTLY EXPOSED TO WEATHER SHALL BE PRESSURE TREATED OR WOLMANIZED RESPECTIVELY.

SEE ARCH./MECH. FOR ALL ROOFING, PENETRATIONS, FLASHING, ETC. SUPPORT ALL PENETRATIONS THROUGH ROOF AS PER TYPICAL DETAILS.

BLOCKING TRUSSES = PROVIDE PRE-ENGINEERED WOOD BLOCKING TRUSS IN EVERY TRUSS BAY AT TRUSS BEARING POINTS TO TRANSMIT LATERAL FORCE FROM DECK DIAPHRAGM TO TOP OF WALL. SEE DETAIL X/SX.X.

DRAG TRUSS = PRE-ENGINEERED WOOD DRAG TRUSS DIRECTLY OVER STRUCTURAL SHEAR WALL. DESIGN VERTICAL SHEAR TRUSS TO TRANSMIT 200 PLF LATERAL FORCE FROM DECK DIAPHRAGM TO TOP OF WALL. PROVIDED FORCE IS AN ASD LEVEL LOAD BASED ON 0.6W. ATTACH TO WALL WITH METAL CLIPS EACH SIDE OF TRUSS AT 24" O.C. MAXIMUM. SEE DETAIL X/SX.X.

H1 = CMU HEADER - SEE SCHEDULE.

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S200

ROOF FRAMING PLAN

H/S

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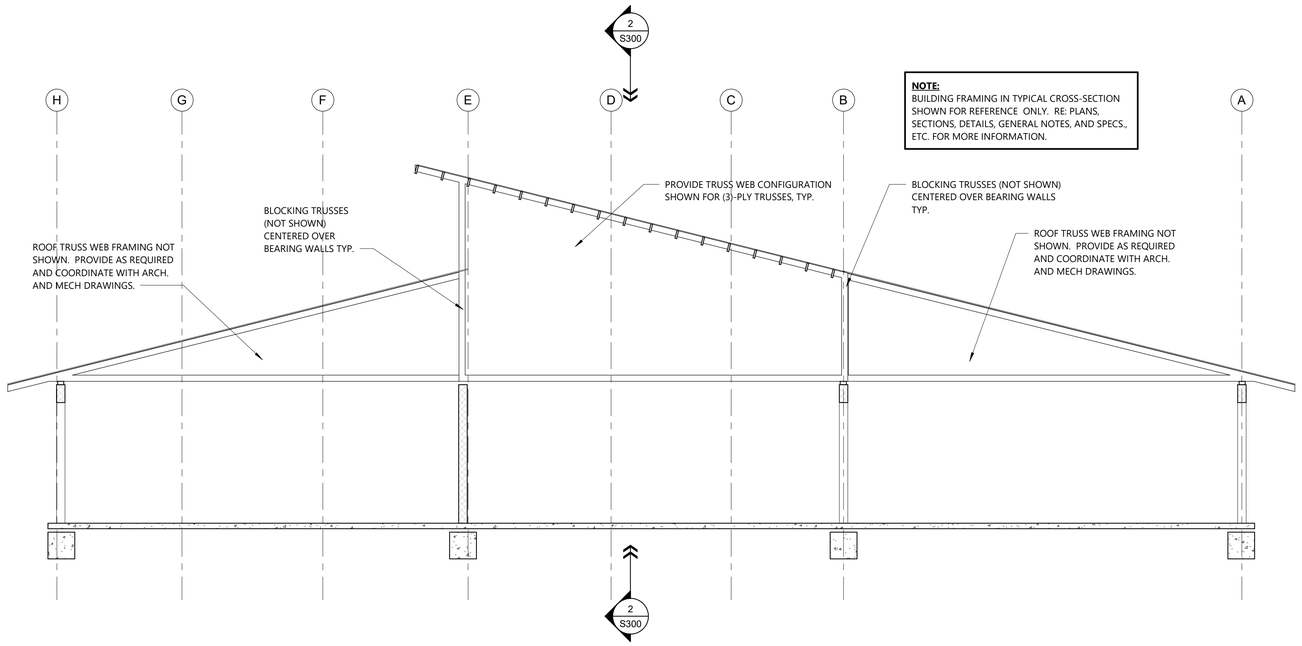
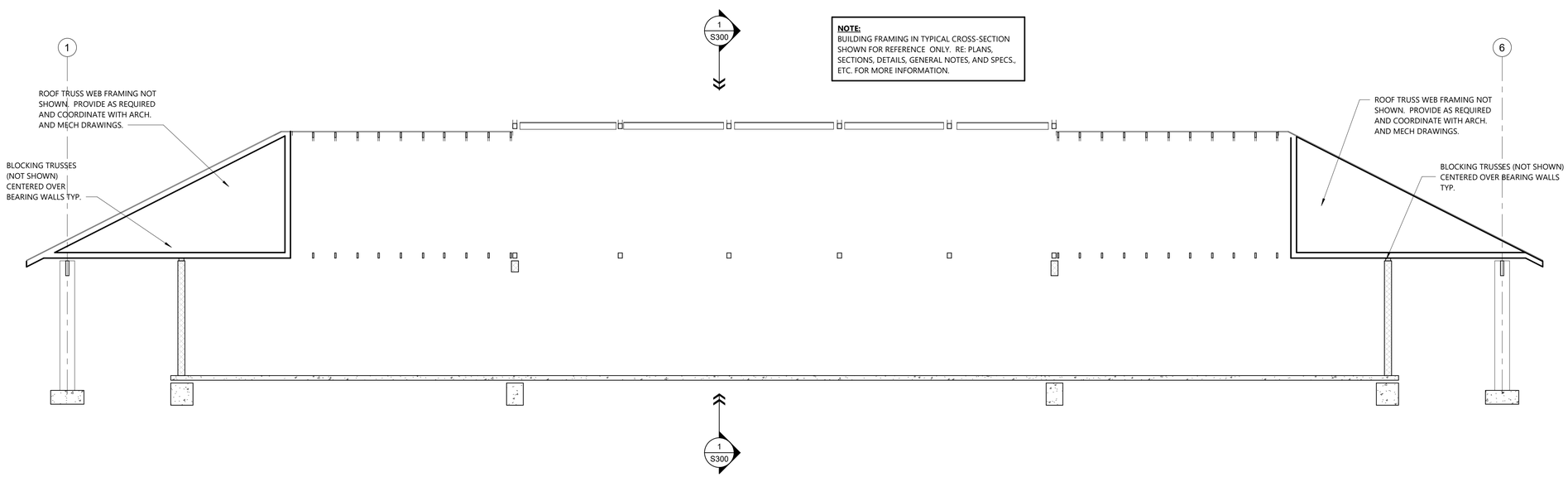


1 BUILDING SECTION THROUGH CLERESTORY ROOF

3/16" = 1'-0"



2 BUILDING LONGITUDINAL SECTION

3/16" = 1'-0"

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CLASSROOM WING ADDITION

18026 SISTER'S RPAD, PONTCHATOULA, LA

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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BUILDING SECTIONS

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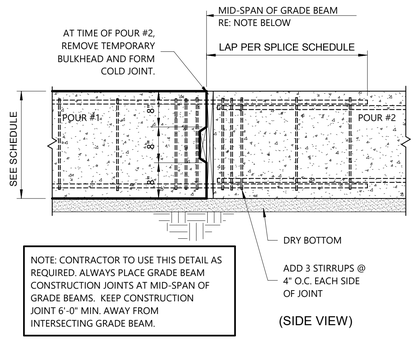
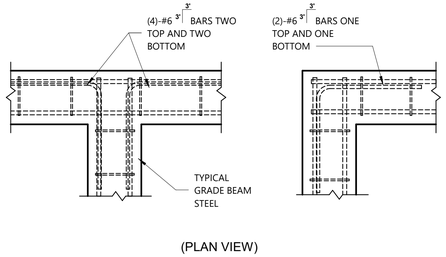
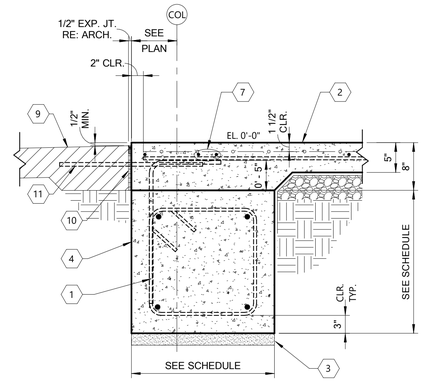


NOTE: CONTRACTOR TO USE THIS DETAIL AS REQUIRED. ALWAYS PLACE GRADE BEAM CONSTRUCTION JOINTS AT MID-SPAN OF GRADE BEAMS. KEEP CONSTRUCTION JOINT 6'-0" MIN. AWAY FROM INTERSECTING GRADE BEAM.

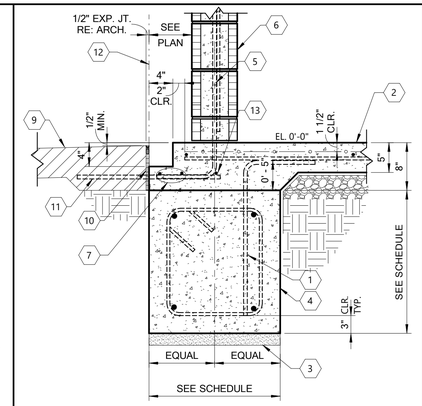
1 Grade Beam Construction Joint
3/4" = 1'-0"



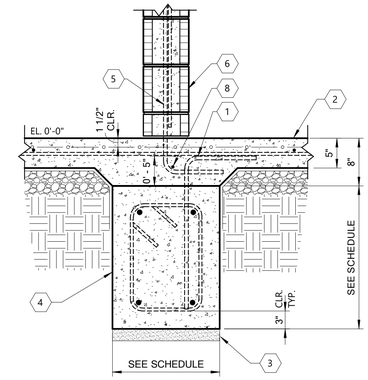
2 Grade Beam Intersection Details
3/4" = 1'-0"



3 Typ. Section At Door/Window
1" = 1'-0"



4 Typ. Section At CMU Wall
1" = 1'-0"

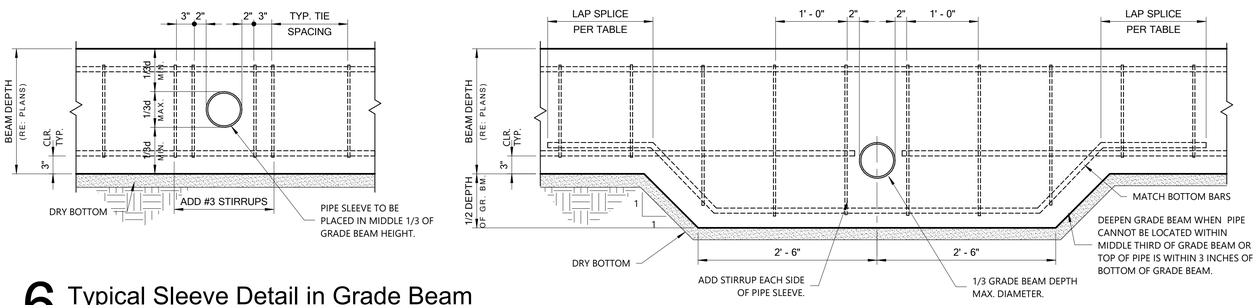


5 Typ. Section At Int. CMU Wall
1" = 1'-0"

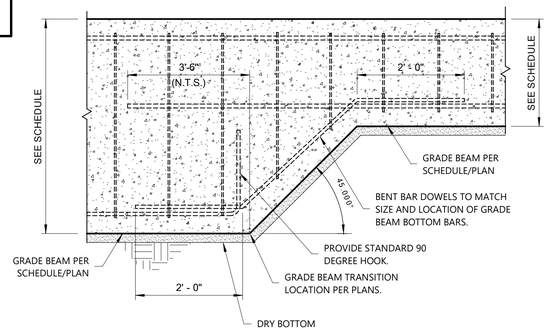
FINAL FOUNDATION DESIGN IS PENDING AND IS TO BE BASED UPON THE RESULTS OF THE GEOTECHNICAL INVESTIGATION AND REPORT. THE INFORMATION SHOWN IS FOR REFERENCE ONLY.

NOTE:

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



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



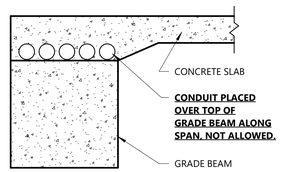
7 Grade Beam Transition Detail
3/4" = 1'-0"

Keynote Legend

1. SEE NOTE ON FOUNDATION PLAN FOR TYPICAL SLAB TO GRADE BEAM DOWELS.
2. 5" THICK CONCRETE SLAB. SEE SLAB PLAN FOR MORE INFORMATION.
3. PROVIDE 2" DRY BOTTOM CONCRETE UNDER ALL GRADE BEAMS AND SPREAD FOOTINGS. SEE FOUNDATION PLAN NOTES FOR MORE INFORMATION.
4. GRADE BEAM - SEE SCHEDULE FOR SIZE AND REINFORCEMENT.
5. PROVIDE #5 L-BAR (a=10", b=40") DOWELS LAPPED AND TIED TO EACH VERTICAL WALL BAR.
6. CMU LOAD BEARING WALL. SEE PLANS/SCHEDULE FOR MORE INFORMATION.
7. (2)-#4 CONTINUOUS.
8. CONT. #4 BAR AT HOOK OF WALL DOWEL.
9. PAVING - RE: CIVIL.
10. 1/2" EXPANSION JOINT.
11. 3/4" DIA. x 2'-0" SMOOTH BAR DOWEL AT 18" O.C.
12. VENEER - RE: ARCH.
13. #4 CONTINUOUS.

NOTE:

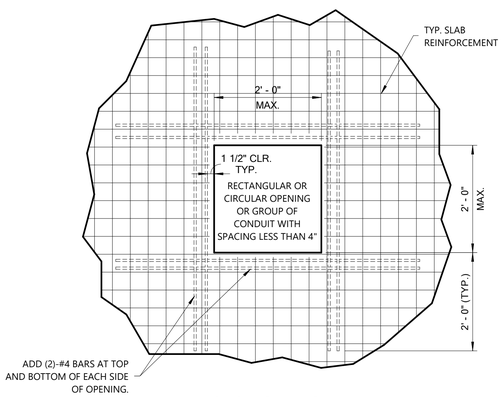
DO NOT RUN ANY MECHANICAL/ELECTRICAL PLUMBING PIPES OR CONDUIT HORIZONTALLY THROUGH CONCRETE SLABS UNLESS APPROVED BY THE ENGINEER. THESE ITEMS SHALL ALSO NOT BEAR CONTINOUSLY ALONG GRADE BEAMS (RE: SECTION A-A) AND SHALL ONLY CROSS PERPENDICULAR OVER TOP OF GRADE BEAM IN THE CONCRETE THICKNESS BELOW THE SLAB AT ISOLATED LOCATIONS.



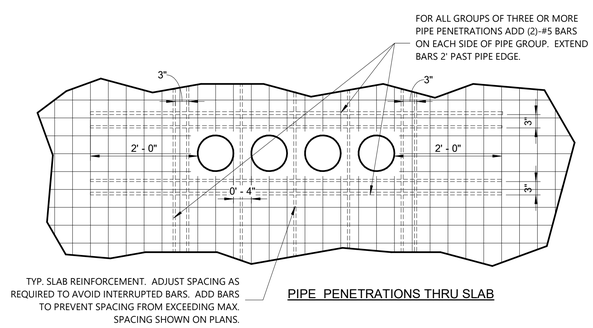
SECTION A-A

NOTES:

- ISOLATED OPENINGS 10" AND SMALLER DO NOT REQUIRE ADDITIONAL REINFORCEMENT. ADJUST SPACING OF #4 BARS ACCORDINGLY TO AVOID CONFLICTS.
- COORDINATE SIZE AND LOCATION OF OPENINGS WITH ARCH., MECH., PLUMBING, AND ELEC.
- FOR SPECIAL CASES NOT COVERED BY THIS DETAIL OR OTHER INFORMATION ON THESE DRAWINGS, CONTACT ENGINEER FOR REINFORCEMENT PRIOR TO FABRICATION.

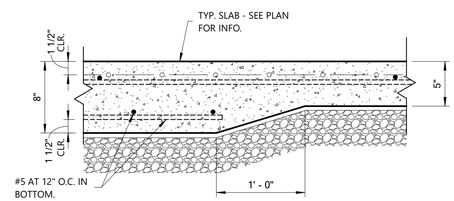


SINGLE OPENING

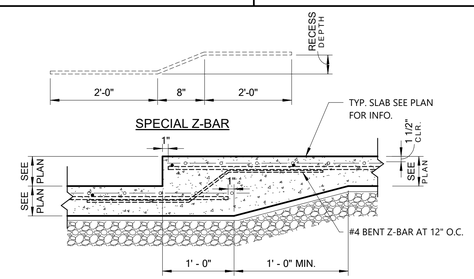


PIPE PENETRATIONS THRU SLAB

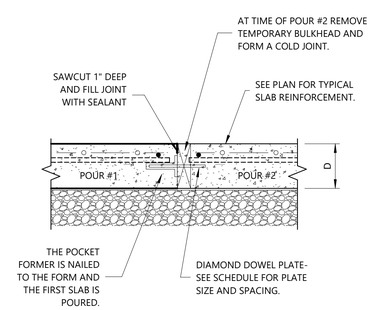
8 Typical Openings In Concrete Slab On Grade With WWF
3/4" = 1'-0"



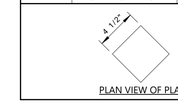
9 Typ. Thickened Slab Detail
1 1/2" = 1'-0"



10 Typ. Slab Recess Detail
1" = 1'-0"



DIAMOND DOWEL LOAD PLATE SCHEDULE		
D (IN.)	PLATE DIMENSION (IN.)	PLATE SPACING (IN.)
5 TO 6	1/4"x4 1/2"x4 1/2"	18
7 TO 8	3/8"x4 1/2"x4 1/2"	18



PLAN VIEW OF PLATE

NOTES:

THE GENERAL CONTRACTOR SHALL SUBMIT A PLAN OF PROPOSED CONSTRUCTION JOINT LOCATIONS WITH THE REBAR SHOP DRAWINGS FOR REVIEW AND APPROVAL.

THE MAXIMUM AREA FOR A SLAB POUR SHALL BE 17,000 SQUARE FEET. THE MAXIMUM LENGTH TO WIDTH RATIO OF A SLAB POUR SHALL BE 3 TO 1.

11 Slab Construction Joint
1 1/2" = 1'-0"

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18026 SISTER'S RPAD, PONTCHATOULA, LA

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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FOUNDATION DETAILS

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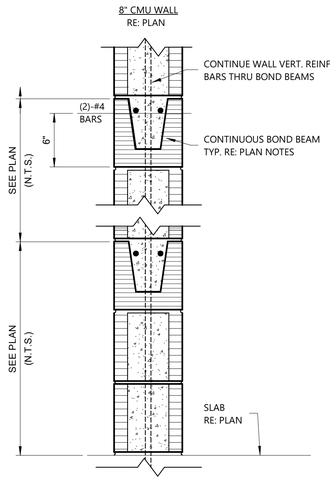
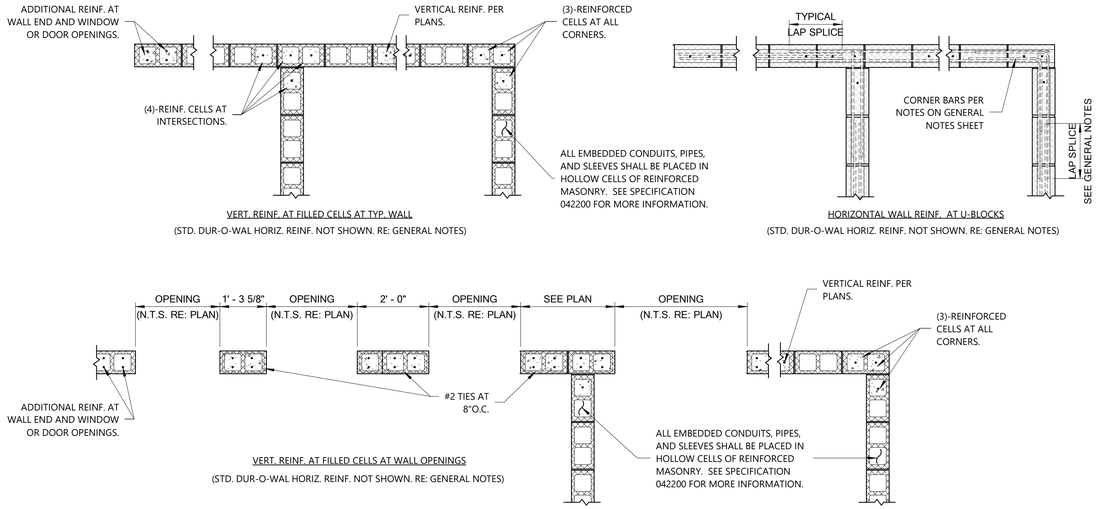
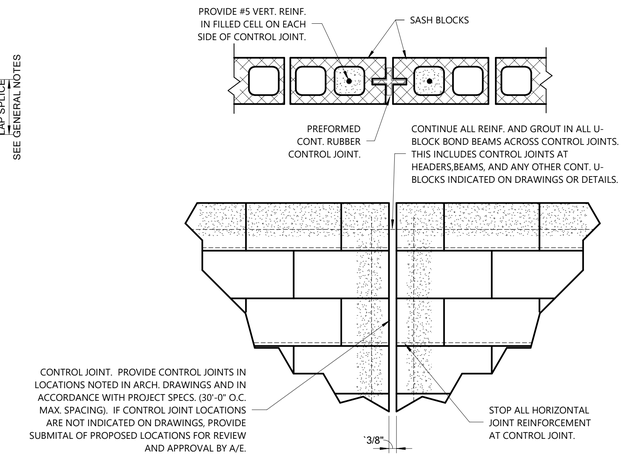


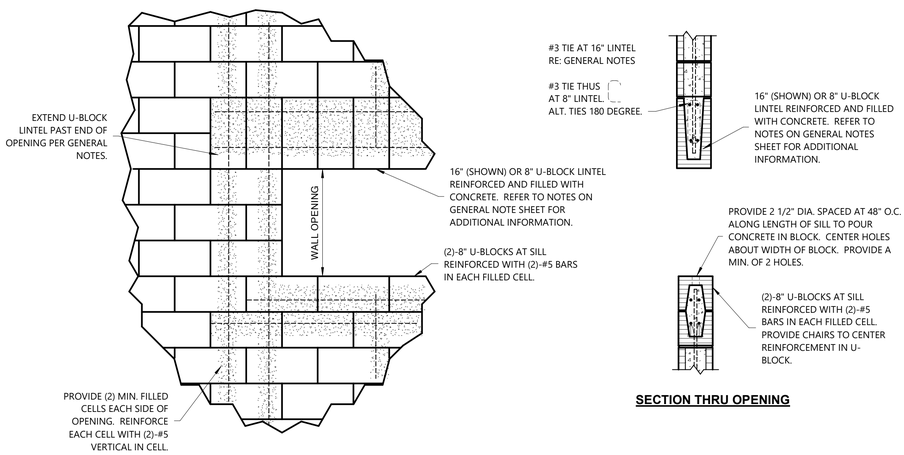
1 Bond Beam Reinforcing
1 1/2" = 1'-0"



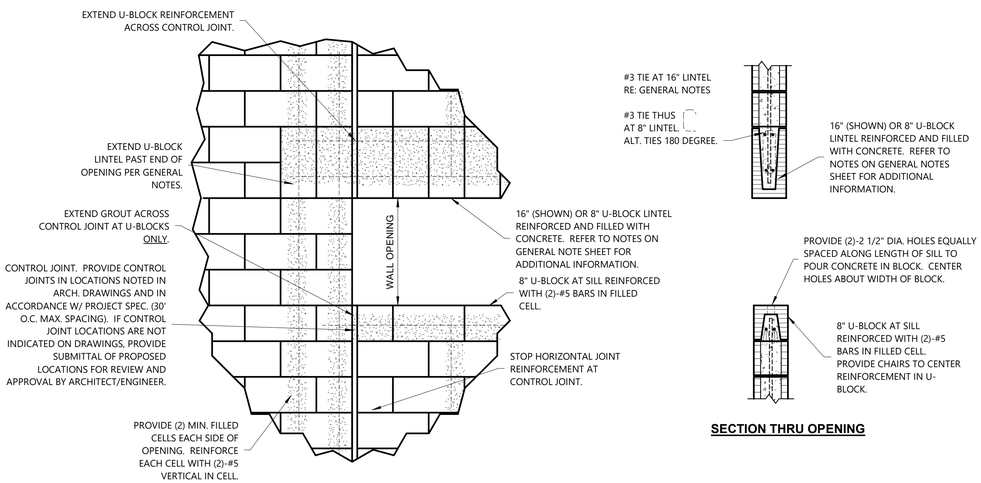
2 Typical CMU Wall Reinforcement Diagram
1/2" = 1'-0"



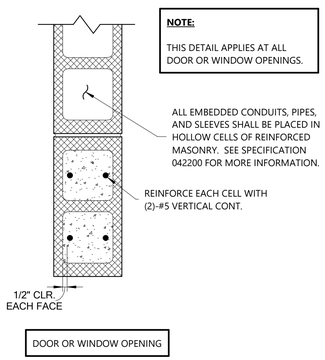
3 CMU Wall Control Joint Detail
1" = 1'-0"



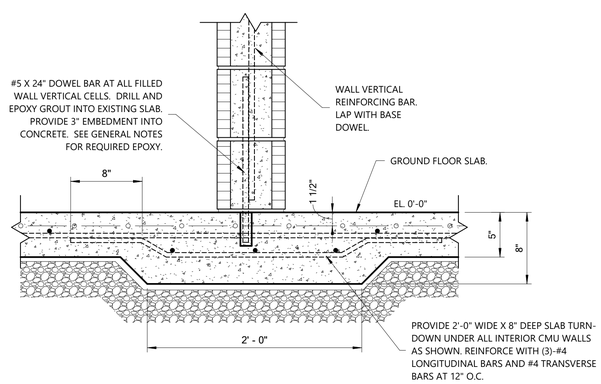
4 Typical CMU Wall Opening
3/4" = 1'-0"



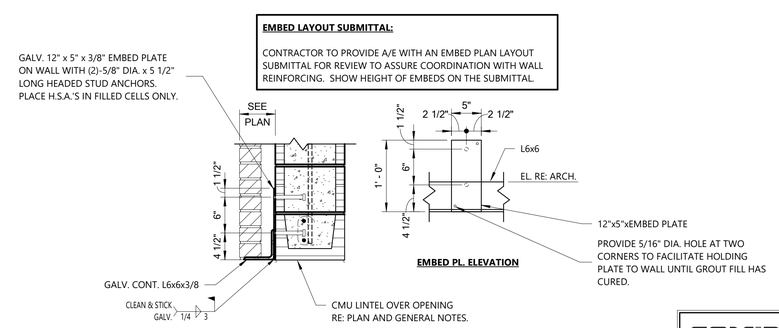
5 Typical CMU Wall OpeningWith Control Joint
3/4" = 1'-0"



6 Special Reinforcement At Wall Jamb
1 1/2" = 1'-0"



7 CMU Wall To Thickened Slab
1 1/2" = 1'-0"



8 Brick Shelf Support at CMU Wall
1" = 1'-0"

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DATE	09/20/2021
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CMU DETAILS

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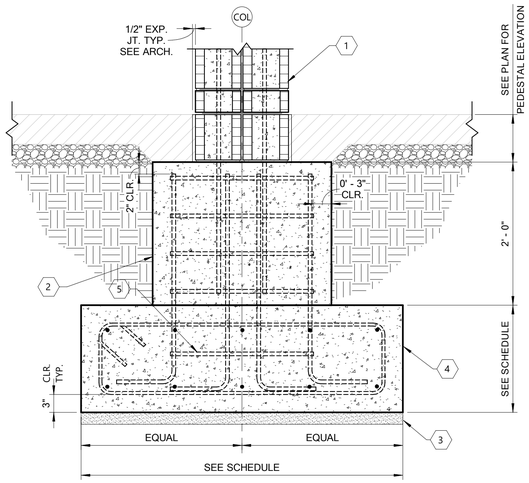
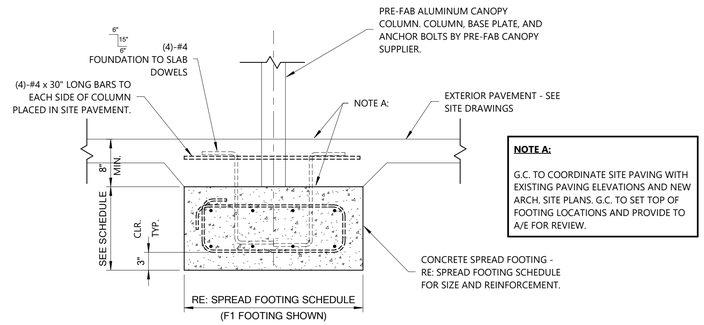


1 Section At Exterior Pedestal

1" = 1'-0"

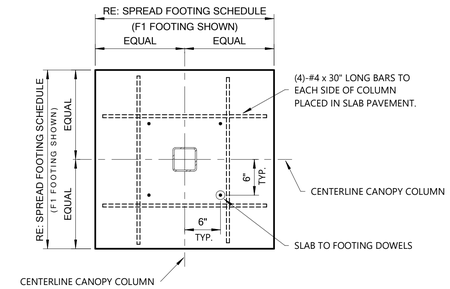


NOTE A:

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

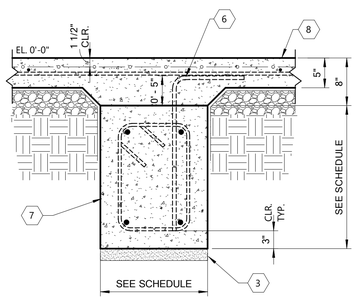
2 Pre-Fab Canopy Footing Section

1" = 1'-0"



3 Pre-Fab Canopy Footing Plan

1" = 1'-0"



4 Typical Interior Grade Beam

1" = 1'-0"

FINAL FOUNDATION DESIGN IS PENDING AND IS TO BE BASED UPON THE RESULTS OF THE GEOTECHNICAL INVESTIGATION AND REPORT. THE INFORMATION SHOWN IS FOR REFERENCE ONLY.

Keynote Legend

1. 16"X16" CMU COLUMN. REINF. WITH (4)-#6 VERT. AND #3 CLOSED TIES AT 8" O.C.
2. RECTANGULAR CONCRETE PEDESTAL. SEE PEDESTAL PLAN VIEW DETAILS FOR REINFORCEMENT.
3. PROVIDE 2" DRY BOTTOM CONCRETE UNDER ALL GRADE BEAMS AND SPREAD FOOTINGS. SEE FOUNDATION PLAN NOTES FOR MORE INFORMATION.
4. SPREAD FOOTING - SEE SCHEDULE FOR INFORMATION.
5. PROVIDE ADDITIONAL PEDESTAL TIE IN FOOTING FOR ALIGNMENT OF VERTICAL BARS.
6. SEE NOTE ON FOUNDATION PLAN FOR TYPICAL SLAB TO GRADE BEAM DOWELS.
7. GRADE BEAM - SEE SCHEDULE FOR SIZE AND REINFORCEMENT.
8. 5" THICK CONCRETE SLAB. SEE SLAB PLAN FOR MORE INFORMATION.

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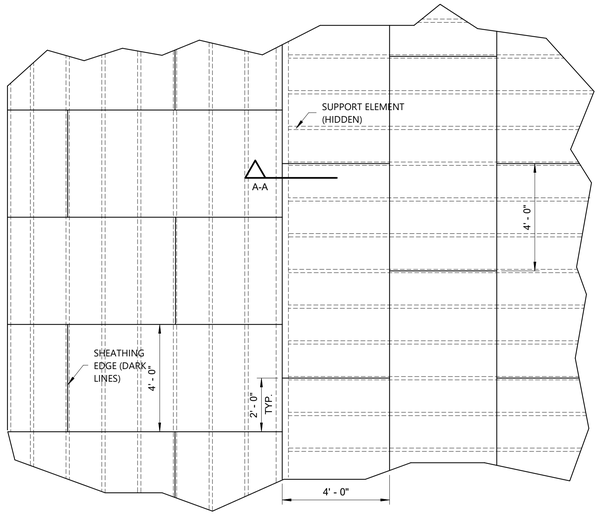
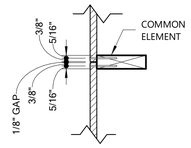
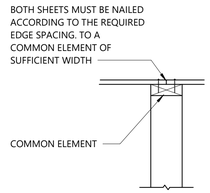


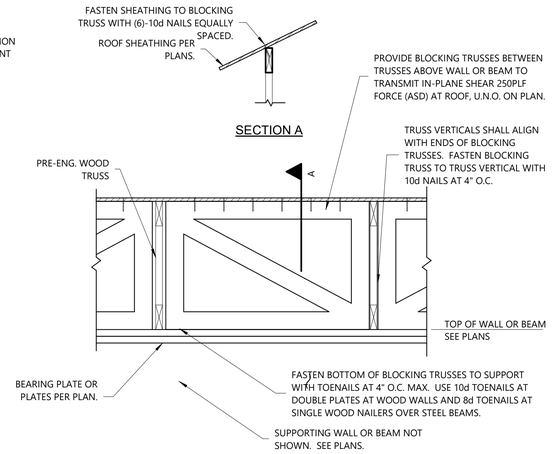


SECTION A-A

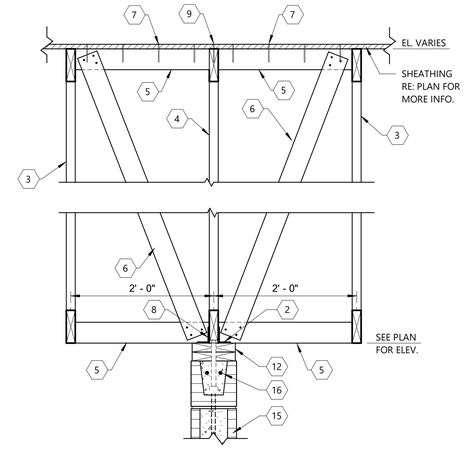


SECTION A-A
CHANGE IN SHEATHING DIRECTION

1 Typical Floor And Roof Sheathing Layout Dtl.
3/8" = 1'-0"



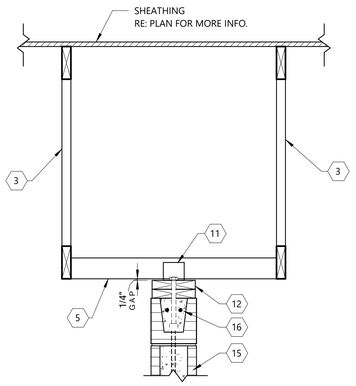
2 Typ. Blocking Truss Detail Over Support
3/4" = 1'-0"



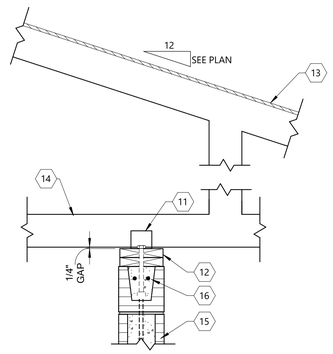
3 Typ. Drag Truss Parallel To Wall Dtl.
1" = 1'-0"

Keynote Legend

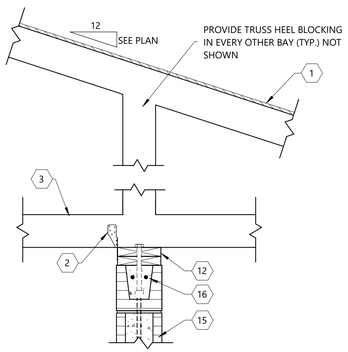
1. 5/8" EXPOSURE 1 GRADE (OSB) EXTERIOR PLYWOOD SHEATHING OVER ENTIRE ROOF AREA.
2. HURRICANE TIES AT EACH TRUSS BEARING POINT. SEE ROOF PLAN FOR TYPE. FOR ATTACHMENT TO TOP OF WALLS, TIES SHALL ATTACH TO SAME SIDE OF TOP PLATES AS THE TIES BETWEEN THE TOP PLATES AND WALL STUDS.
3. PRE-ENGINEERED WOOD TRUSSES - SEE PLANS FOR SIZE AND SPACING.
4. PRE-ENGINEERED WOOD SHEAR TRUSS. SEE PLAN FOR MORE INFORMATION.
5. 2x4 WOOD BLOCKING AT 48" O.C. FASTEN EACH END WITH (3)-10d TOENAILS.
6. 2x4 DIAGONAL BRACING AT 6'-0" O.C. FASTEN EACH END WITH (3)-10d NAILS. PROVIDE CONT. 2x4 STRONGBACK IF LENGTH OF BRACE EXCEEDS 5'-0".
7. FASTEN ROOF DECK TO WOOD BLOCKING WITH 10d NAILS AT 6" O.C. MAX.
8. SIMPSON A23 CLIP ANGLES AT 12" O.C. MAX.
9. FASTEN ROOF DECK TO TRUSS WITH 10d NAILS AT 6" O.C.
10. CONTINUOUS 2x WOOD FASCIA BOARD. PROVIDE SIMPSON LTSA12 STRAP TIE CENTERED ON JOINT AT ALL SPLICES.
11. SIMPSON DTC CLIP TO ONE SIDE OF TRUSS BOTTOM CHORD OR 2x4 BLOCKING.
12. (2)-2x8 CONTINUOUS TOP PLATE SET WITH GALV. 5/8" DIA. THREADED RODS AT 24"O.C. EMBED 6" MIN. SET WITH EPOXY. RE: GENERAL NOTES.
13. 3/4" PLYWOOD ROOF DECKING.
14. PRE-ENGINEERED WOOD ROOF TRUSSES AT 24" O.C. MAX.
15. CMU LOAD BEARING WALL. SEE PLANS/SCHEDULE FOR MORE INFORMATION.
16. 8" U-BLOCK REINFORCED WITH (2)-#5 BARS CONTINUOUS IN FILLED CELL.



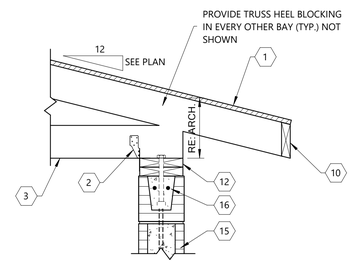
4 Non-Bearing Wall Parallel To Truss
1" = 1'-0"



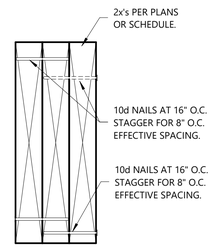
5 Non-Bearing Wall Perp. To Truss
1" = 1'-0"



6 Typical Truss At Interior Wall
1" = 1'-0"

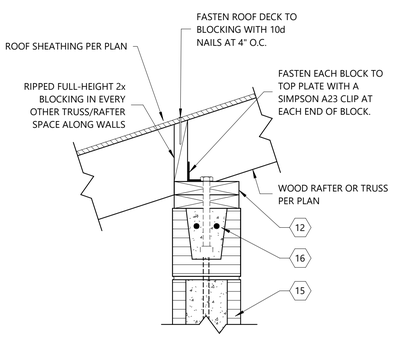


7 Typ. Truss To Ext. Wall Detail
1" = 1'-0"

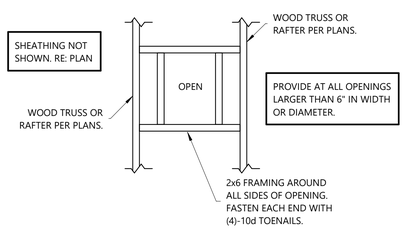


2x6 WALL
TYP. BUILT-UP BEAM SECTION DTL.

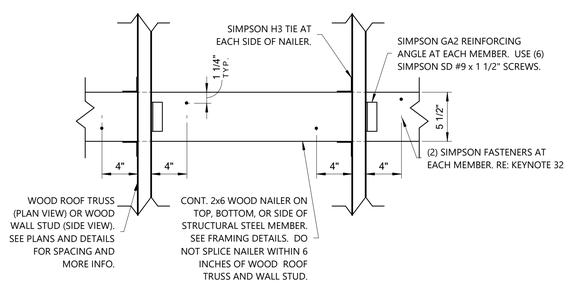
8 Typ. Built-Up Beam Dtl.
3" = 1'-0"



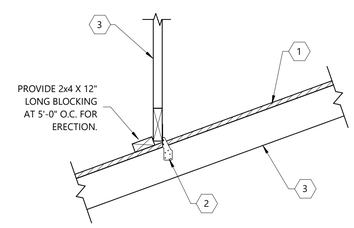
9 Rafter/Trusses Heel Blocking
1 1/2" = 1'-0"



10 Typ. Opening In Wood Floor/Roof
3/4" = 1'-0"



11 Typical Wood Nailer Fastening To Steel
1 1/2" = 1'-0"



12 Typ. Truss Overframe Detail
1" = 1'-0"

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

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

DC REEVES ELEMENTARY SCHOOL
CLASSROOM WING ADDITION
18026 SISTER'S RPAD, PONTCHATOULA, LA

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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ROOF FRAMING DETAILS

H/S

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GENERAL NOTES

A. APPLICABLE DESIGN CODES & MISCELLANEOUS

INTERNATIONAL BUILDING CODE 2015
AMERICAN CONCRETE INSTITUTE 318
AMERICAN INSTITUTE OF STEEL CONSTRUCTION

IBC CHAPTER 17 SPECIAL INSPECTIONS:
THE OWNER OR THE OWNER'S REPRESENTATIVE IS REQUIRED TO PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF IBC 2015. THE GENERAL CONTRACTOR IS REQUIRED TO ENGAGE AND ACCOMMODATE THE REQUIRED SPECIAL INSPECTIONS BY PROVIDING ACCESS TO ELEMENTS REQUIRED FOR INSPECTION AND BY NOTIFYING THE TESTING AGENCY 48 HOURS PRIOR TO A REQUIRED INSPECTION EVENT. THE CONTRACTOR SHALL PROVIDE REPORTS FROM THE TESTING AGENCY INDICATING COMPLIANCE WITH THE IBC REQUIREMENTS FOR:
- STEEL CONSTRUCTION (IBC 1705.2)
- CONCRETE CONSTRUCTION (IBC 1705.3)
- MASONRY CONSTRUCTION (IBC 1705.4)
- SOILS (IBC 1705.6)

STRUCTURAL OBSERVATIONS:
STRUCTURAL OBSERVATIONS SHALL BE CONDUCTED BY THE ENGINEER OF RECORD TO ASSURE GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THESE OBSERVATIONS WILL NOT TAKE THE PLACE OF THE CODE REQUIRED SPECIAL INSPECTIONS LISTED ABOVE OR ANY OTHER INSPECTIONS REQUIRED BY THE LOCAL BUILDING OFFICIAL. NOTIFY ENGINEER OF RECORD AND ARCHITECT FOR STRUCTURAL OBSERVATION VIA EMAIL A MINIMUM OF 72 HOURS PRIOR TO ANY OF THE FOLLOWING EVENTS:
- ALL CONCRETE/GROUT POURS (WITH IDENTIFICATION OF SPECIFIC ELEMENTS TO BE POURED).
- COMMENCEMENT OF MASONRY WORK
- NEAR COMPLETION OF STRUCTURAL STEEL ERECTION.
- PLACEMENT OF ROOFING COVERING ROOF DECK.

FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF COMPLETED WORK.

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

B. DESIGN LOADS AND REQUIREMENTS SECTION

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

(2) LATERAL DESIGN - WIND
ASCE 7-10
ULTIMATE DESIGN WIND SPEED (V_{ult})------- 136 MPH
NOMINAL DESIGN WIND SPEED (V_{asd})------- 106 MPH
EXPOSURE CATEGORY ---------- B
RISK CATEGORY ---------- III
INTERNAL PRESSURE COEFFICIENT ---------- +/-0.18
MWFRS - DIRECTIONAL PROCEDURE

(3) LATERAL DESIGN -SEISMIC
ASCE 7-10
IMPORTANCE FACTOR ---------- 1.25
S_s ---------- 0.104g
S_1 ---------- 0.057g
SITE CLASS ---------- D
S_{ds} ---------- 0.111g
S_{d1} ---------- 0.091g
SEISMIC DESIGN CATEGORY-------- B
C_s ---------- 0.0694
DESIGN BASE SHEAR ---------- 0.0694*W
R ---------- 2
EQUIVALENT LATERAL-FORCE ANALYSIS METHOD.
ORDINARY REINFORCED MASONRY SHEAR WALLS.

C. GEOTECHNICAL

THE FOUNDATION AND SLAB DESIGN WAS BASED ON THE GEOTECHNICAL INVESTIGATION BY XXXX DATED XXXXX. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE GEOTECHNICAL REPORT PRIOR TO BIDDING. A COPY OF THE GEOTECHNICAL REPORT IS AVAILABLE AT THE ARCHITECT'S OFFICE FOR REVIEW.

NET ALLOWABLE SOIL BEARING PRESSURE
ISOLATED SPREAD FOOTINGS ----------X,XXX PSF
CONTINUOUS (WALL) FOOTINGS ---------- X,XXX PSF
MINIMUM BEARING DEPTH ---------- X'-X"
BELOW FINAL GRADE

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

D. CONCRETE AND GROUT

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

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

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

SLAG IS NOT PERMITTED IN ANY CONCRETE FOR THIS PROJECT.

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

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

ALL GRADE BEAM, AND OTHER CONCRETE FOUNDATION EXTERIOR EDGES SHALL BE FULLY PLYWOOD FORMED.

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

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

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

E. CONCRETE REINFORCEMENT

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

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

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

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

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

ALL WELDED WIRE MESH SHALL HAVE 8" MIN. LAP BETWEEN SHEETS.

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

THE CONTRACTOR SHALL INCLUDE IN THE BID THE COMPLETE COST OF AN ADDITIONAL 4000 POUNDS OF UNSCHEDULED ASTM A615 GRADE 60 REBAR FOR MISCELLANEOUS USE TO BE DETAILED, FABRICATED, DELIVERED, PLACED, AND TIED AS DIRECTED BY STRUCTURAL ENGINEER. THIS ALLOWANCE SHALL COVER ALL ASSOCIATED COSTS. THE EXACT SIZE AND QUANTITY OF STEEL MATERIAL SHALL BE SELECTED BY THE STRUCTURAL ENGINEER AS REQUIRED. DEDUCTIONS FROM ALLOWANCE SHALL BE MADE IN TERMS OF WEIGHT OF MATERIAL ADDED. ANY UNUSED PORTIONS OF THIS ALLOWANCE SHALL BE CREDITED BACK TO THE OWNER AT THE RATE OF $4,000.00 PER T.

F. STRUCTURAL STEEL

STRUCTURAL STEEL MEMBERS SHALL BE MADE USING THE FOLLOWING GRADES:

WIDE FLANGE SHAPES ---------- ASTM A-992
HSS ---------- ASTM A500, GRADE C
PIPES ---------- ASTM A53, TYPE E OR S
PLATE, BARS, & ANGLES ---------- ASTM A36

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

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

ALL FRAMING CONNECTIONS SHALL BE MADE WITH THE MAXIMUM NUMBER OF ROWS OF 3/4" A325-N TENSION CONTROL BOLTS FOR GIVEN BEAM DEPTH. - U.N.O.

ALL TUBULAR STEEL COLUMNS SHALL HAVE 1/2" CAP PLATES - U.N.O.

PROVIDE CONTINUOUS 1/4" THICK BENT PLATE OR ANGLE AROUND PERIMETER OF ALL FLOOR EDGES INCLUDING STAIRS, ELEVATORS, MECH. PENETRATIONS, ETC.

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

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

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

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

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

G. MASONRY

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

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

U.N.O. ALL CMU WALLS SHALL BE LAID IN STACKED BOND HAVING ALL CORNERS AND INTERSECTIONS TIED TOGETHER WITH #2 TIES @8"O.C. VERTICALLY. WALLS PARALLEL TO ONE ANOTHER AND OVERLAPPING SHALL HAVE THEIR REINF. CELLS TIED TOGETHER WITH #2 TIES @8"O.C. VERTICALLY. CONTRACTOR SHALL PLAN HIS WORK ACCORDINGLY.

U.N.O. ALL CMU WALLS ARE TO BE REINFORCED WITH (1)-#4 VERTICAL AT 48" O.C. -FILL REINFORCED CELLS.

U.N.O. ALL CMU WALL VERTICAL REINFORCED CELLS SHALL BE CONTINUOUSLY REINFORCED AND CONCRETE FILLED FULL HEIGHT OF WALL.

U-BLOCK LINTELS SHALL BE PLACED ABOVE ALL OPENINGS, INCLUDING MECHANICAL PENETRATIONS, IN ACCORDANCE WITH THE FOLLOWING SCHEDULE (U.N.O.)

H1: 0' TO 4' ---------- 8" U-BLOCK WITH
(1)-#5 CONT. TOP & BOTTOM
#3 TIE AT 8"O.C.

H2: 4' TO 8' ---------- 16" U-BLOCK OR 8" U-BLOCK
COURSE WITH 8" KNOCKOUT BLOCK
COURSE. SEE ARCH. FOR BLOCK
HEIGHT.
16" TOTAL HEIGHT. REINF. WITH
(2)-#5 CONT. TOP AND BOTTOM.
#3 TIE AT 8"O.C.

NO OPENINGS LARGER THE 8'-0" SHALL BE BUILT USING CMU, UNLESS NOTED OTHERWISE IN THESE DRAWINGS.

16" CMU LINTELS TO BEAR 16" PAST END OF OPENING AND 8" CMU LINTELS TO BEAR 8" PAST END OF OPENING.

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

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

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

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

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

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

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

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

JOINT REINFORCEMENT SHALL BE ADJUSTABLE LADDER STYLE HOHMANN AND BARNARD 270 LADDER EYE-WIRE OR APPROVED EQUAL, CONFORMING TO ATSM A 951. LAP JOINT REINFORCEMENT A MINIMUM OF 12". PLACE HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. MAXIMUM VERTICAL SPACING.

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

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

H. WOOD FRAMING MEMBERS

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

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

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

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

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

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

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

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

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

ALL WOOD SHEATHING SHALL HAVE VISIBLE APA RATING STAMP.

I. POST-INSTALLED ANCHORS

THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A CODE REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT.

CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD INDICATING TRAINING HAS TAKEN PLACE. SPECIAL INSPECTIONS ARE REQUIRED PER THE IBC AND ICC-ES REPORTS.

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

EXPANSION ANCHORS
• STRONG BOLT 2 BY SIMPSON STRONG TIE
• KWIK BOLT-TZ BY HILTI
• OR APPROVED EQUAL

CONCRETE OR MASONRY SCREWS
• TITEN BY SIMPSON STRONG TIE
• KWIK-CON II BY HILTI
• OR APPROVED EQUAL

EPOXY ADHESIVE
• SET-3G BY SIMPSON STRONG TIE
• HIT-RE 500v3 BY HILTI
• OR APPROVED EQUAL

HEAVY DUTY SCREW ANCHORS
• TITEN HD BY SIMPSON STRONG-TIE
• KH-EZ BY HILTI
• OR APPROVED EQUAL

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

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

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

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

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

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

J. PRE-ENGINEERED WOOD ROOF TRUSSES

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

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

ASCE 7-10
ULTIMATE WIND SPEED ---------- 130 MPH
EXPOSURE CATEGORY ---------- C
RISK CATEGORY ---------- II

TRUSS DESIGN SHALL BE BASED UPON THE PLANS, NOTES, CRITERIA AND SCHEDULES PROVIDED ON THE DRAWINGS AND THE PROJECT SPECIFICATIONS. CALCULATIONS SHALL INCLUDE ALL RESPECTIVE GRAVITY AND LATERAL DESIGN CRITERIA INDICATED ON THE DRAWINGS OR AS OTHERWISE DERIVED BY CODE. USE WIND EXPOSURE C FOR THE DESIGN OF ALL ROOF TRUSSES.

THE TRUSS MFR., FABRICATOR, INSTALLER AND DESIGNER, ETC. SHALL HAVE A MINIMUM OF 5YRS. EXPERIENCE MANUFACTURING, FABRICATING, INSTALLING AND DESINING, ETC., AND HAVE SUCCESSFULLY COMPLETED A MINIMUM OF 5 SIMILAR PROJECTS IN SCALE AND COMPLEXITY.

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

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

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

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

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

MINIMUM SIZE FOR TRUSS TOP AND BOTTOM CHORDS SHALL BE 2x6. ALL LUMBER FOR TRUSSES AND COMPONENTS SHALL BE PRESSURE TREATED.

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

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

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

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

K. NOTICE

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

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

FIELD VERIFICATIONS

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

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

ABBREVIATIONS

@ ---------- AT
A/E ---------- ARCHITECT/ENGINEER
A.F.F. ---------- ABOVE FINISHED FLOOR
ARCH. ---------- ARCHITECTURAL
BF ---------- BRACED FRAME
BM. ---------- BEAM
B.O.C. ---------- BEAM ON COLUMN
B.O.S. ---------- BOTTOM OF STEEL
BOT. ---------- BOTTOM
BTM. ---------- BOTTOM
C.F.M.F. OR CFMF --- COLD-FORMED METAL FRAMING
C.I.P.---------- CAST-IN-PLACE
C.G OR CG ---------- CENTER OF GRAVITY
CJP ---------- COMPLETE JOINT PENETRATION
C.L. OR CL ---------- CENTER LINE
C.O.B. ---------- COLUMN ON BEAM
COL. ---------- COLUMN
CONT. ---------- CONTINUOUS
CONNX. ---------- CONNECTION
EL. ---------- ELEVATION
ELEV.---------- ELEVATION
ELEC. ---------- ELECTRICAL
E.O.A. ---------- EDGE OF ANGLE
E.O.R. ---------- ENGINEER OF RECORD
E.O.S. ---------- EDGE OF SLAB
EXIST. ---------- EXISTING
F.F. ---------- FINISH FLOOR
FIN. FLR. ---------- FINISH FLOOR
GA. ---------- GAGE
GC ---------- GENERAL CONTRACTOR
GL ---------- GLUE-LAMINATED
GR. BM. ---------- GRADE BEAM
HI ---------- DETAIL APPLIES HIGH
H.S.A. OR HSA -------- HEADED STUD ANCHOR
H.S.A.S.---------- HEADED STUD ANCHORS
HSS ---------- HOLLOW STRUCTURAL SECTION
LO ---------- DETAIL APPLIES LOW
M.B.S.---------- METAL BUILDING SUPPLIER
MECH. ---------- MECHANICAL
MEP---------- MECHANICAL, ELECTRICAL, PLUMBING
O.C. ---------- ON CENTER
O.C.E.W. ---------- ON CENTER EACH WAY
OPP. ---------- OPPOSITE
PEMBS ---------- PRE-ENGINEERED METAL BUILDING SUPPLIER
PL. ---------- PLATE
P.T. ---------- POST TENSION OR POST-TENSIONED
POST-TENS ---------- POST TENSION OR POST-TENSIONED
REINF. ---------- REINFORCEMENT
RTU ---------- ROOF TOP UNIT
SIM. ---------- SIMILAR
STR. ---------- STRENGTH
T.O. ---------- TOP OF
T.O.C. ---------- TOP OF CONCRETE
T.O.J. ---------- TOP OF JOIST
T.O.S. ---------- TOP OF SLAB
U.N.O. ---------- UNLESS NOTED OTHERWISE
V.O.J. ---------- VERIFY ON JOBSITE
W/ ---------- WITH
WF ---------- WIDE FLANGE
WWF ---------- WELDED WIRE FABRIC

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18026 SISTER'S RPAD, PONTCHATOULA, LA

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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GENERAL NOTES

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CONCRETE MIX REQUIREMENTS

USAGE	AGGREGATE	MIN. CEMENT (lb/yd³)	SLUMP (inches)	7 DAY STR. (psi)	28 DAY STR. (psi)	WATER REDUCER	REMARKS
SPREAD FTGS. & GRADE BEAMS	1	489	4	2000	3000	B	
SLAB ON GRADE	1	545	7	2700	4000	A	
CMU FILL	2	489	9	2000	3000	A OR C	
DRY BOTTOMS					500		
ALL OTHERS	1	545	7	2700	4000	A	

1 REGULAR SAND AND GRAVEL (145 pcf)

2 REGULAR SAND AND PEA GRAVEL (145 pcf)

A MID-RANGE WATER REDUCER

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

C SUPER PLASTICIZER

NOTES:

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

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

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

SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

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

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

REBAR LAP SPLICE REQUIREMENTS (MIN.)

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

GENERAL NOTES:

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

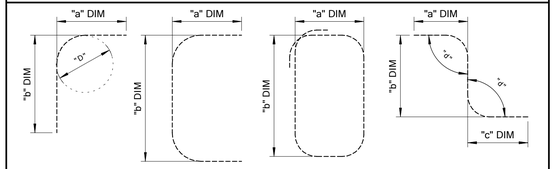
LAP SPLICE LENGTHS IN TABLE ABOVE DO NOT PERTAIN TO REINFORCING IN MASONRY CONSTRUCTION. REFER TO GENERAL NOTES FOR SPLICE REQUIREMENTS IN MASONRY CONSTRUCTION.

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

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

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

STANDARD BAR BEND DIAGRAMS



L BAR U BAR TIES AND HOOPS Z BAR

("d" = 90 DEGREES IF NOT PROVIDED)

NOTES:

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

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

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

COMPONENTS AND CLADDING WIND PRESSURES

ZONE / EWA (sf)	ZONE 1		ZONE 2		ZONE 3		ZONE 4		ZONE 5		OVERHANG ZONE 1&2		OVERHANG ZONE 3	
10	-31	20	-53	20	-79	20	-37	34	-45	34	-62	20	-105	20
20	-30	18	-49	18	-74	18	-45	32	-42	32	-62	18	-95	18
50	-29	16	-44	16	-67	16	-33	30	-38	30	-62	16	-81	16
100	-28	16	-39	16	-62	16	-32	29	-35	29	-62	16	-71	16
500	-28	16	-39	16	-62	16	-28	25	-28	25	-62	16	-71	16

NOTES:

1. EWA IS THE EFFECTIVE WIND AREA OF A STRUCTURAL COMPONENT AS DEFINED IN ASCE 7.

2. ZONES SHOWN ARE BASED ON ASCE 7. FIGURES 30.4-1, 30.4-5A AND 30.7-2 OR WALL. ROOF AND OVERHANG RESPECTIVELY.

3. PLUS AND MINUS SIGNS INDICATE PRESSURE ACTING TOWARD AND AWAY FROM THE EXTERIOR SURFACES, RESPECTIVELY.

4. COMPONENT AND CLADDING PRESSURES NOT PROVIDED SHALL BE CALCULATED BASED ON LATERAL DESIGN PROVISIONS PROVIDED IN THE GENERAL NOTES.

5. LINEAR INTERPOLATION MAY BE USED TO DETERMINE DESIGN PRESSURES FOR EWA VALUES BETWEEN 10 FT. SQUARED AND 100 FT. SQUARED.

6. 5 PSF MAY BE SUBTRACTED FROM DESIGN PRESSURES GIVEN ABOVE TO DETERMINE NET UPLIFT FOR ROOF JOIST DESIGN. DO NOT APPLY LOAD REDUCTION TO OVERHANG ZONES.

7. EDGE WIDTH DIMENSION "a"=8'

8. PRESSURE VALUES SHOWN ABOVE ARE ULTIMATE (1.0W)

SHEATHING/DECKING FASTENER REQUIREMENTS

TYPE	SHEATHING/DECKING TYPE	GENERAL FASTENTER SPACING	EDGE FASTENTER SPACING	REMARKS
ROOF	3/4" APA RATED STRUCTURAL I, EXPOSURE 1 PLYWOOD	6" O.C.	6" O.C.	A B C

A FASTENERS SHALL BE 10d RING SHANK NAILS (0.148" DIA. X 3" LONG).

B BLOCKED CONSTRUCTION.

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

WOOD FASTENING SCHEDULE

CONNECTION	FASTENER TYPE AND NO.	LOCATION
JOIST TO SILL OR GIRDER	3-10d COMMON	TOENAIL
BRIDGING TO JOIST	2-10d COMMON	TOENAIL EA. END
BOTTOM PLATE TO JOIST OR BLOCKING	16d COMMON at 6" o.c.	TYP. FACE NAIL
TOP PLATE TO STUD	4-10d COMMON	TOENAIL
STUD TO BOTTOM PLATE	4-8d COMMON	TOENAIL
DOUBLE STUD	10d COMMON at 16" o.c.	FACE NAIL
DOUBLE TOP PLATES	10d COMMON at 16" o.c.	TYP. FACE NAIL
DOUBLE TOP PLATES - LAP SPLICES	16-10d COMMON	LAP SPLICE
BLOCKING BTWN. JOISTS OR FRAMING MEMBERS	3-10d COMMON	TOENAIL
RIM JOIST TO TOP PLATE	10d COMMON at 6" o.c.	TOENAIL
TOP PLATE INTERSECTIONS	4-10d COMMON	FACE NAIL
TRUSS OR RAFTER TO EXTERIOR WALL TOP PLATES	4-10d COMMON	TOENAIL
TRUSS OR RAFTER TO INTERIOR WALL TOP PLATES	2-10d COMMON	TOENAIL
CEILING JOIST TO PLATE	3-10d COMMON	TOENAIL
CONTINUOUS HEADER TO STUD	4-10d COMMON	TOENAIL
BUILT-UP CORNER STUDS	10d COMMON at 12" o.c.	FACE NAIL
COLLAR TIE TO RAFTER	3-10d COMMON	FACE NAIL
JACK RAFTER TO HIP	3-10d COMMON	TOENAIL
ROOF RAFTER TO 2-BY RIDGE BEAM	3-10d COMMON	TOENAIL
2x FASCIA TO ROOF TRUSS OR RAFTER	2-10d COMMON	FACE NAIL

NOTE:

USE THE REQUIRED FASTENERS UNLESS NOTED OTHERWISE ON PLANS. THIS SCHEDULE IS DERIVED FROM TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE 2012.

COMMON NAIL SIZES:

8d = 2 1/2" LONG x 0.131" DIA.
10d = 3" LONG x 0.148" DIA.
16d = 3 1/2" LONG x 0.162" DIA.

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SCHEDULES

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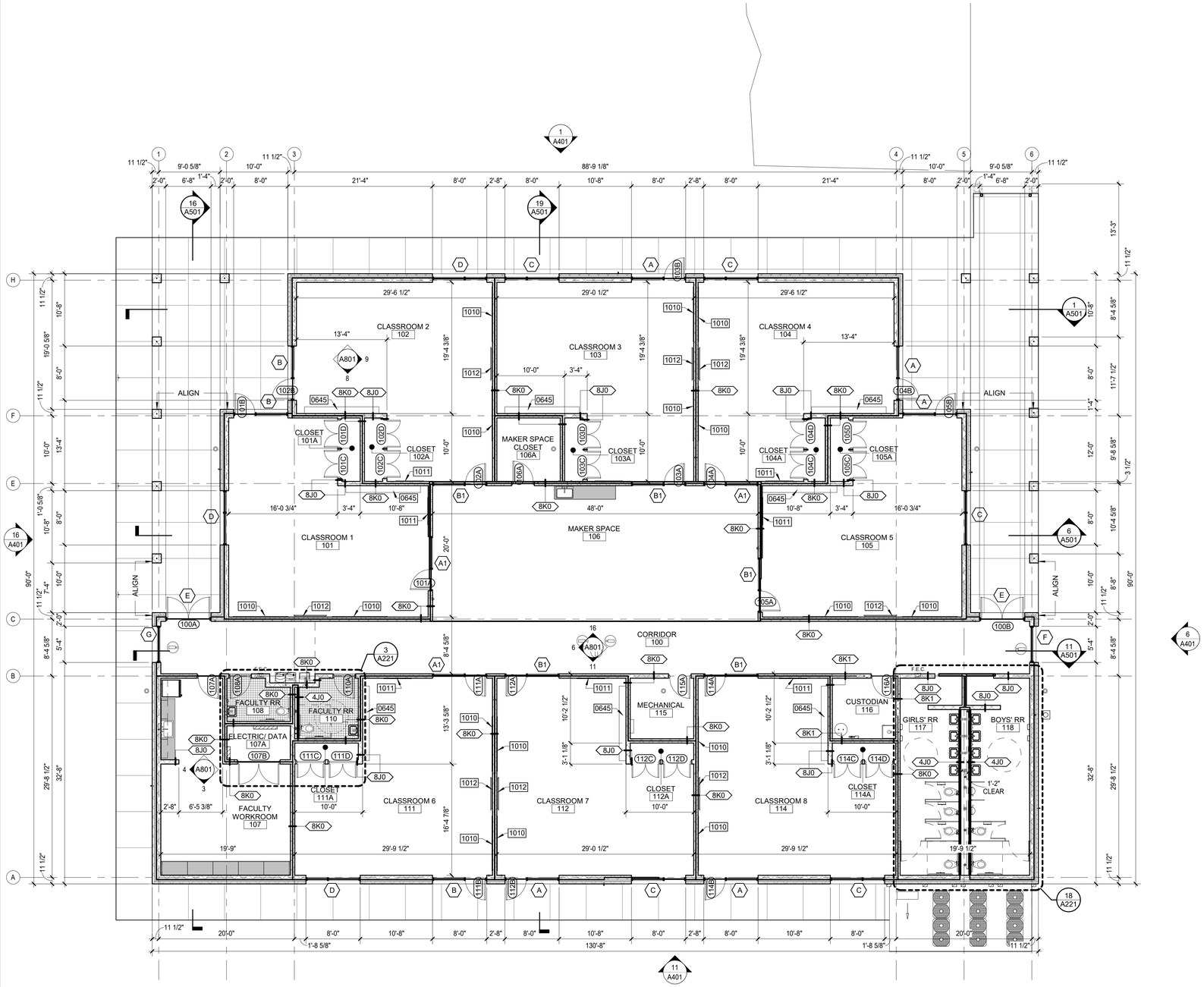

16 OVERALL FLOOR PLAN

1/8" = 1'-0"

0 8' 16'

GENERAL NOTES

1. RECESSED FIRE EXTINGUISHER CABINETS THAT ARE INSTALLED WITHIN FIRE-RATED WALLS SHALL BE RATED CABINETS AND SHALL MATCH THE WALL RATING.
2. SEE SHEET A320 FOR WALL TYPES AND ASSEMBLY SCHEDULE.
3. COORDINATE FINAL DIMENSIONS WITH EXISTING CONDITIONS OF OVERALL SITE.
4. ALL ADA ACCESSIBLE SHOWER UNITS REQUIRE FLOOR DAP OUTS. REFER TO STRUCTURAL FOR SIZE AND LOCATIONS.
5. PROVIDE HORIZONTAL GYPSUM BOARD EXPANSION JOINTS IN STAIR SHAFTS AT ALTERNATING LEVELS, TYP.
6. REFER TO EXTERIOR ELEVATIONS FOR WINDOW DESIGNATIONS NOT SHOWN ON PLAN.

KEYNOTE LEGEND

0645 3/4" MDF CUBBY WITH PLASTIC LAMINATE [(PL-2)]
1010 4' X 8' DRY ERASE BOARD
1011 4' X 4' TACK BOARD
1012 DIGITAL DISPLAY

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DESIGN DEVELOPMENT

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1ST FLOOR PLAN

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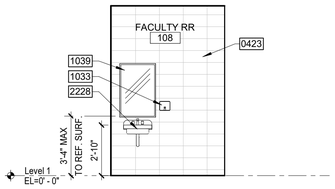
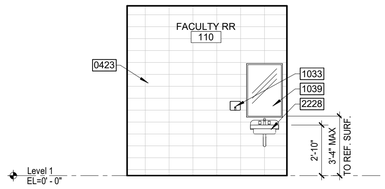
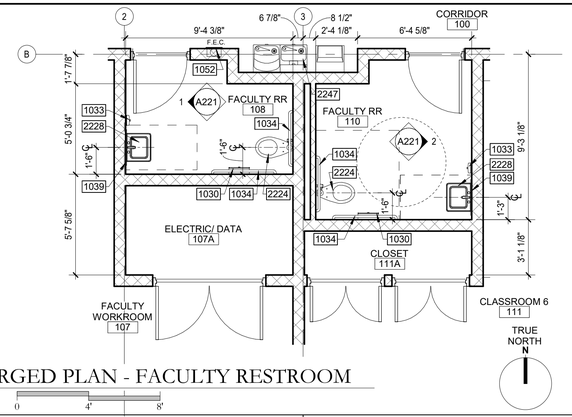


1 INTERIOR ELEVATION
1/4" = 1'-0"



2 INTERIOR ELEVATION
1/4" = 1'-0"



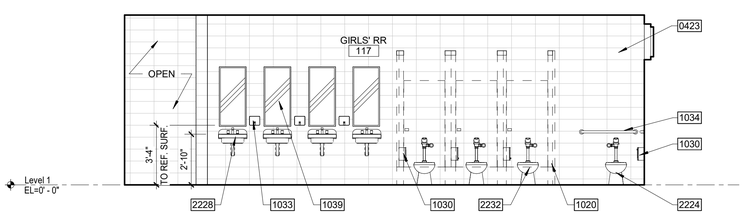
3 ENLARGED PLAN - FACULTY RESTROOM
1/4" = 1'-0"

6 NOT USED

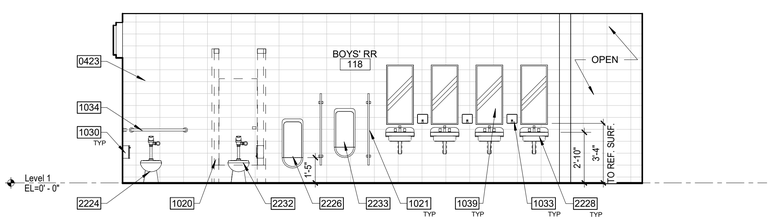
7 NOT USED

8 NOT USED

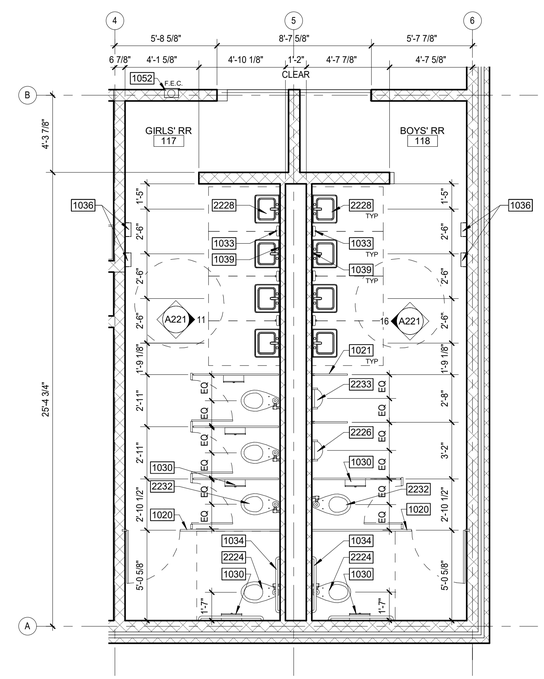
9 NOT USED



11 INTERIOR ELEVATION
1/4" = 1'-0"



16 INTERIOR ELEVATION
1/4" = 1'-0"



18 ENLARGED PLAN - RESTROOM
1/4" = 1'-0"

GENERAL NOTES

1. DIMENSIONS ARE TO GRID LINE, FACE OF STUD, FACE OF CONCRETE, AND CENTERLINE OF DOOR OPENINGS, UNLESS NOTED OTHERWISE. DIMENSIONS NOTED AS "CLR" MUST BE PRECISELY MAINTAINED. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT ARCHITECT'S APPROVAL UNLESS NOTED AS "+/-". VERIFY DIMENSIONS MARKED "V.I.F." PRIOR TO COMMENCEMENT OF CONSTRUCTION, AND NOTIFY ARCHITECT OF ANY INCONSISTENCIES. "ALIGN" SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
2. ALL SINKS AND LAVATORIES SHALL BE 1'-3" MINIMUM FROM THEIR CENTER LINE TO THE FINISHED SURFACE OF THE SIDE WALL.
3. "WALL HUNG" TOILET CHASES FROM FINISH TO FACE OF FINISH SHALL BE 1'-8" FOR BACK-TO-BACK TOILETS AND 1'-4" FOR A SINGLE SIDED CHASE.
4. "FLOOR MOUNTED" TOILETS SHALL HAVE A 6" STUD WALL BEHIND THEM.
5. CENTER MIRRORS AND LIGHT FIXTURES OVER THE LAVATORY.
6. ALL FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44 INCHES ABOVE FINISHED FLOOR.

KEYNOTE LEGEND

0423	8" CMU, IN A STACKED BOND PATTERN, PTD.
1020	FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITION
1021	WALL MOUNTED URINAL SCREEN WITH CONTINUOUS WALL BRACKET
1030	TOILET TISSUE DISPENSER, MOUNTED AS PER ADA-ABA REQUIREMENTS
1033	LIQUID SOAP DISPENSER, MOUNTED AS PER ADA-ABA REQUIREMENTS
1034	ADA-ABA COMPLIANT S.S. GRAB BAR 36" REAR AND 42" SIDE; PROVIDE BLOCKING AS REQ'D
1036	ELECTRIC HAND DRYER; MOUNTED AS PER ADA-ABA REQUIREMENTS
1039	WALL MOUNTED POLISHED STAINLESS STEEL MIRROR, MOUNTED AS PER ADA-ABA REQUIREMENTS
1052	FULLY-RECESSED FIRE EXTINGUISHER CABINET AND EXTINGUISHER; SEE G102 FOR MOUNTING HEIGHT
2224	ADA-ABA COMPLIANT FLOOR MOUNTED TOILET; RE: PLUMBING
2226	ADA-ABA COMPLIANT URINAL; RE: PLUMBING
2228	ADA-ABA COMPLIANT WALL MOUNTED LAVATORY, INSULATE EXPOSED PLUMBING AND SUPPLY LINES; RE: PLUMBING
2232	FLOOR MOUNTED TOILET; RE: PLUMBING
2233	URINAL; RE: PLUMBING
2247	ADA-ABA COMPLIANT ELECTRIC CHILLED DRINKING FOUNTAIN, PROVIDE ALL UTILITY CONNECTIONS REQUIRED

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DESIGN DEVELOPMENT

A221
ENLARGED PLANS / RESTROOM INTERIOR ELEVATIONS

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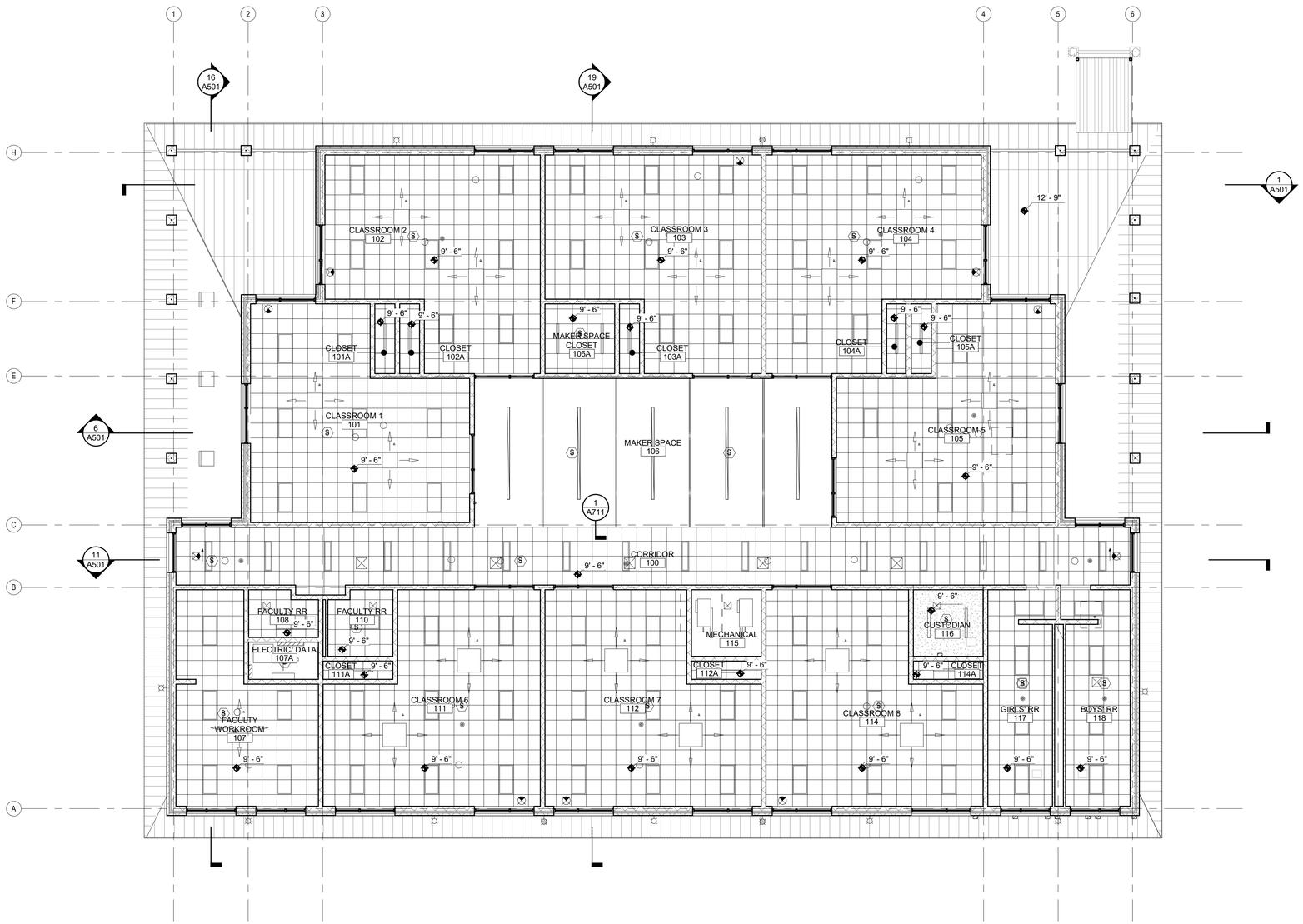

TRUE NORTH
N

16 REFLECTED CEILING PLAN
1/8" = 1'-0"
0 8' 16'

GENERAL NOTES

1. CEILING GRIDS TO BE CENTERED IN ROOMS, U.N.O.
2. COORDINATE ALL MECHANICAL DUCTWORK, PIPING, SPRINKLER LINES, CABLE TRAYS, ETC. TO AVOID CONFLICTS WITH LIGHTS AND STRUCTURE.
3. ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURE PLACEMENT.

KEYNOTE LEGEND

CEILING LEGEND

- ACOUSTICAL CEILING TILE
- HIGH HUMIDITY CEILING TILE
- GYPSUM BOARD CEILING, PTD MOISTURE RESISTANT IN WET AREAS
- 12" X 16" NON-VENTED SMOOTH SOFFIT PANEL
- RECESSED LIGHT FIXTURE
- SUSPENDED LINEAR LIGHT FIXTURE
- CEILING MOUNT SPEAKER/STROBE
- OS CEILING MOUNT OCCUPANCY SENSOR
- 2'X2' RETURN REGISTER
- 2'X2' SUPPLY DIFFUSER
- 12"X12" RETURN REGISTER
- 12"X12" SUPPLY DIFFUSER
- 2'X2' LIGHT FIXTURE
- EXTERIOR RECESSED LIGHT FIXTURE
- SPRINKLER HEAD
- CEILING MOUNT STROBE
- CEILING MOUNT CAMERA

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18026 SISTER'S ROAD, PONCHATOULA, LA

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	
QUALITY CONTROL	

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DESIGN DEVELOPMENT

A231

REFLECTED CEILING PLAN

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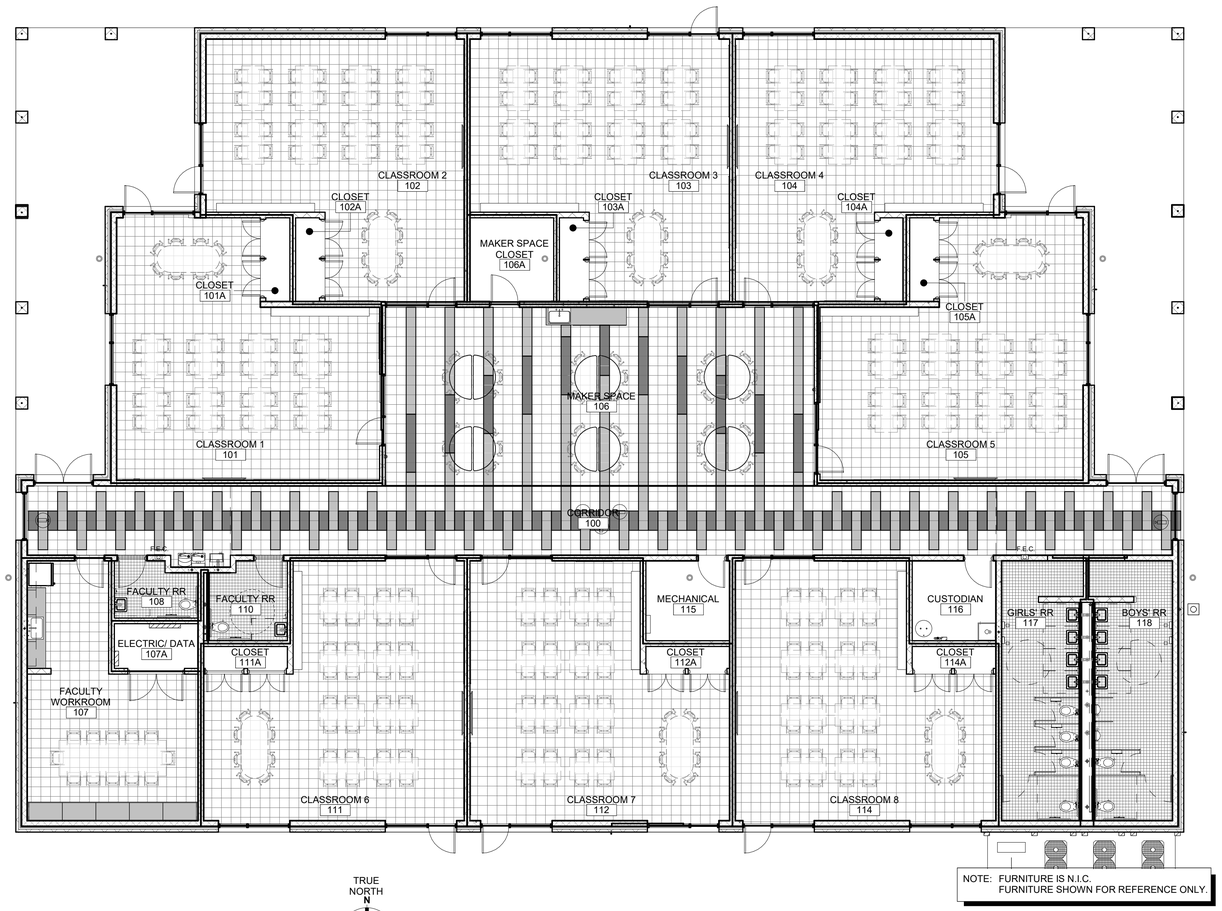
ROOM SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH - NORTH	WALL FINISH - SOUTH	WALL FINISH - EAST	WALL FINISH - WEST	CEILING FINISH	COMMENTS
100	CORRIDOR	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
101	CLASSROOM 1	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 2	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
101A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
102	CLASSROOM 2	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 2	PAINTED CMU - PT 1	2X2 ACT	
102A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
103	CLASSROOM 3	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 2	PAINTED CMU - PT 1	2X2 ACT	
103A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
104	CLASSROOM 4	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 2	2X2 ACT	
104A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
105	CLASSROOM 5	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 2	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
105A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
106	MAKER SPACE	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
106A	MAKER SPACE CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
107	FACULTY WORKROOM	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
107A	ELECTRIC/ DATA	SEALED CONCRETE	NONE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED EXPOSED STRUCTURE	
107A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
108	FACULTY RR	CERAMIC TILE	NONE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 MOISTURE RESISTANT ACT	
110	FACULTY RR	CERAMIC TILE	NONE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 MOISTURE RESISTANT ACT	
111	CLASSROOM 6	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 2	PAINTED CMU - PT 1	2X2 ACT	
111A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
112	CLASSROOM 7	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 2	2X2 ACT	
112A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
114	CLASSROOM 8	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 2	2X2 ACT	
114A	CLOSET	RESILIENT TILE	RESILIENT BASE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 ACT	
115	MECHANICAL	SEALED CONCRETE	NONE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED EXPOSED STRUCTURE	
116	CUSTODIAN	SEALED CONCRETE	NONE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED GYP. BD.	
117	GIRLS' RR	CERAMIC TILE	NONE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 MOISTURE RESISTANT ACT	
118	BOYS' RR	CERAMIC TILE	NONE	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	PAINTED CMU - PT 1	2X2 MOISTURE RESISTANT ACT	



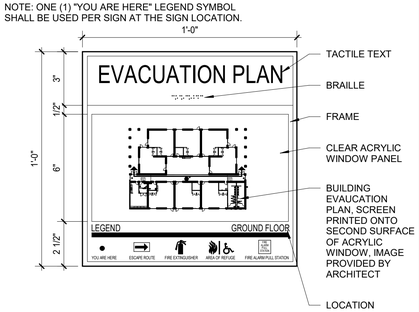
NOTE: FURNITURE IS N.I.C.
FURNITURE SHOWN FOR REFERENCE ONLY.

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

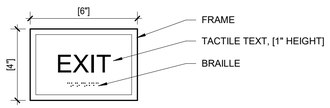
FLOOR FINISH LEGEND

- 13"x13" LINOLEUM TILE- COLOR 1
- 13"x13" LINOLEUM TILE- COLOR 2
- 13"x13" LINOLEUM TILE- COLOR 3
- SEALED CONCRETE

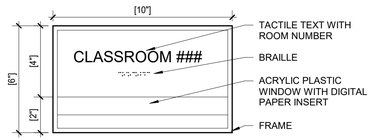
NOTE: ONE (1) "YOU ARE HERE" LEGEND SYMBOL SHALL BE USED PER SIGN AT THE SIGN LOCATION.



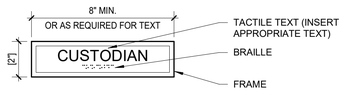
10 EVACUATION - FLOOR 1
3" = 1'-0"



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



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



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

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DESIGN DEVELOPMENT

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FLOORING PLAN / ROOM FINISH SCHEDULE

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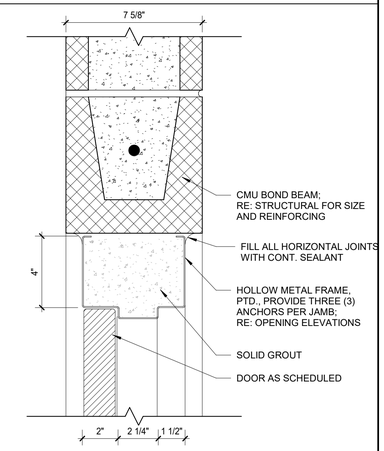
DOOR SCHEDULE

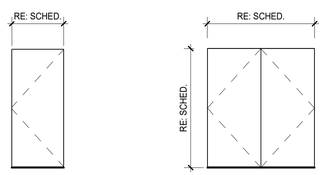
DOOR #	ROOM NAME	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	HW SET	FRAME TYPE	FRAME MATERIAL	FIRE RATING	COMMENTS
100A	CORRIDOR	6' - 4"	7' - 0"	0' - 1 3/4"	E	ALUM.		E	ALUM.	-	
100B	CORRIDOR	6' - 4"	7' - 0"	0' - 1 3/4"	E	ALUM.		E	ALUM.	-	
101A	CLASSROOM 1	3' - 0"	7' - 0"	0' - 1 3/4"	A1	ALUM.		A1	ALUM.	-	
101B	CLASSROOM 1	3' - 0"	7' - 0"	0' - 1 3/4"	B	ALUM.		B	ALUM.	-	
101C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
101D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
102A	CLASSROOM 2	3' - 0"	7' - 0"	0' - 1 3/4"	B1	ALUM.		B1	ALUM.	-	
102B	CLASSROOM 2	3' - 0"	7' - 0"	0' - 1 3/4"	B	ALUM.		B	ALUM.	-	
102C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
102D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
103A	CLASSROOM 3	3' - 0"	7' - 0"	0' - 1 3/4"	B1	ALUM.		B1	ALUM.	-	
103B	CLASSROOM 3	3' - 0"	7' - 0"	0' - 1 3/4"	A	ALUM.		A	ALUM.	-	
103C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
103D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
104A	CLASSROOM 4	3' - 0"	7' - 0"	0' - 1 3/4"	A1	ALUM.		A1	ALUM.	-	
104B	CLASSROOM 4	3' - 0"	7' - 0"	0' - 1 3/4"	A	ALUM.		A	ALUM.	-	
104C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
104D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
105A	CLASSROOM 5	3' - 0"	7' - 0"	0' - 1 3/4"	B1	ALUM.		B1	ALUM.	-	
105B	CLASSROOM 5	3' - 0"	7' - 0"	0' - 1 3/4"	A	ALUM.		A	ALUM.	-	
105C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
105D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
106A	MAKER SPACE CLOSET	3' - 0"	6' - 8"	0' - 1 3/4"	D-1	SCW		F-1	H.M.	-	
107A	FACULTY WORKROOM	3' - 0"	6' - 8"	0' - 1 3/4"	D-1	SCW		F-1	H.M.	-	
107B	ELECTRIC/ DATA	6' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.		2) 3'-0" DOORS
108A	FACULTY RR	3' - 0"	6' - 8"	0' - 1 3/4"	D-1	SCW		F-1	H.M.	-	
110A	FACULTY RR	3' - 0"	6' - 8"	0' - 1 3/4"	D-1	SCW		F-1	H.M.	-	
111A	CLASSROOM 6	3' - 0"	7' - 0"	0' - 1 3/4"	A1	ALUM.		A1	ALUM.	-	
111B	CLASSROOM 6	3' - 0"	7' - 0"	0' - 1 3/4"	B	ALUM.		B	ALUM.	-	
111C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
111D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
112A	CLASSROOM 7	3' - 0"	7' - 0"	0' - 1 3/4"	B1	ALUM.		B1	ALUM.	-	
112B	CLASSROOM 7	3' - 0"	7' - 0"	0' - 1 3/4"	A	ALUM.		A	ALUM.	-	
112C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
112D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
114A	CLASSROOM 8	3' - 0"	7' - 0"	0' - 1 3/4"	B1	ALUM.		B1	ALUM.	-	
114B	CLASSROOM 8	3' - 0"	7' - 0"	0' - 1 3/4"	A	ALUM.		A	ALUM.	-	
114C	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
114D	CLOSET	4' - 0"	6' - 8"	0' - 1 3/4"	D-2	SCW		F-2	H.M.	-	(2) 2'-0" DOORS
115A	MECHANICAL	3' - 0"	6' - 8"	0' - 1 3/4"	D-1	SCW		F-1	H.M.	-	
116A	CUSTODIAN	3' - 0"	6' - 8"	0' - 1 3/4"	C	SCW		F-1	H.M.	45 MIN	

GENERAL NOTES

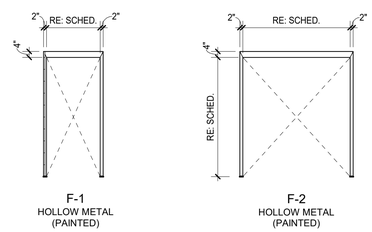
1. VERIFY ALL DIMENSIONS IN FIELD.
2. DIMENSIONS ARE TO ROUGH OPENING, UNO.
3. SEE SPECIFICATIONS FOR FRAMING & SEALANT TYPES & COLOR.
4. SEE DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
5. WINDOWS ARE SHOWN AS VIEWED FROM THE EXTERIOR.



10 HM HEAD DETAIL IN CMU
3" = 1'-0"



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



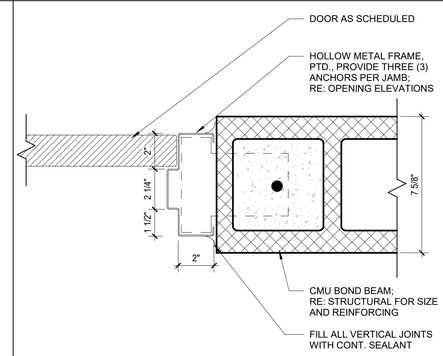
12 FRAME TYPES
1/4" = 1'-0"

GLAZING TYPES

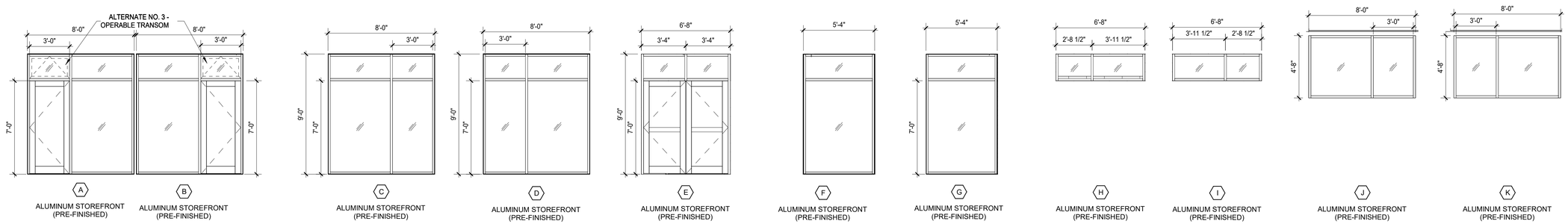
GL-1 - INSULATING GLASS

GL-2 - LAMINATED CLEAR GLASS

GL-3 - LAMINATED _____ GLASS



15 HM JAMB DETAIL IN CMU
3" = 1'-0"



NOTE: STOREFRONT ELEVATIONS SHOWN FROM EXTERIOR OF BUILDING AND / OR EXTERIOR OF CLASSROOM.

16 STOREFRONT ELEVATIONS
1/4" = 1'-0"

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DESIGN DEVELOPMENT

A301

WINDOW & DOOR SCHED. / DOOR & FRAME TYPES / OPENING ELEVATIONS

H/S

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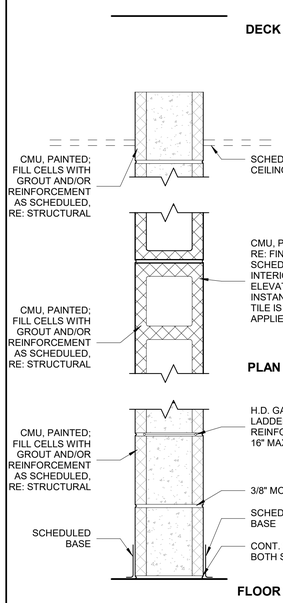
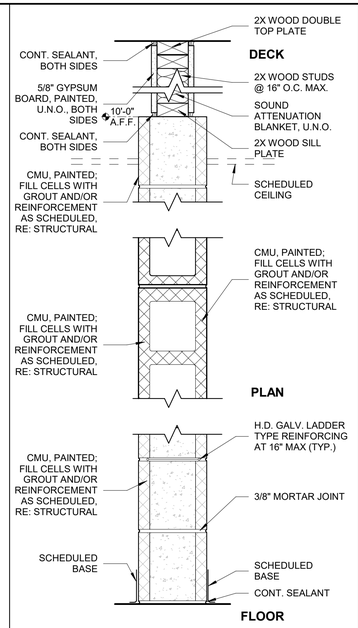


CONCRETE MASONRY UNIT PARTITION

TYPE	PARTITION WIDTH	UL#	STC	DESCRIPTION
4J0	3 5/8"	N/A	N/A	
8J0	7 5/8"	N/A	N/A	
8J1	7 5/8"	U905	U905	



CONCRETE MASONRY UNIT PARTITION

TYPE	PARTITION WIDTH	UL#	STC	DESCRIPTION
8K0	7 5/8" @ CMU 4 3/4" @ WD STUD	N/A	N/A	

GENERAL NOTES

1. ALL NON LOAD BEARING INTERIOR METAL STUDS SHALL BE SPACED AT 16" O.C. U.N.O. ON PLANS (GAUGE AS SPECIFIED IN SECTION 09 22 16 U.N.O.)
2. ALL NON LOAD BEARING INTERIOR METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/240, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
3. WHERE AN ADDITIONAL INTERIOR WALL FINISH IS APPLIED TO THE BASE PARTITION SUCH AS TILE, VENEERS, WOOD PANELING, OR SIMILAR; ALL INTERIOR NON LOAD BEARING METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/360, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
4. LIMITING HEIGHTS OF INTERIOR NON LOAD BEARING FRAMING SHALL BE PER THE MANUFACTURERS SPAN TABLES BASED ON THE FOLLOWING CRITERIA OUTLINED IN THIS SET OF DRAWINGS AND THE PROJECT MANUAL: HORIZONTAL LOADING, STUD DEPTH, STUD SPACING, AND DEFLECTION CRITERIA.
5. FRAME OPENINGS IN STUD PARTITIONS TO ACCOMMODATE THRU-WALL DUCT PENETRATIONS. SEAL PENETRATIONS TIGHT TO THE DUCT INSULATION WITH ACOUSTICAL SEALANT ON BOTH SIDES. INFILL ANNULAR SPACE CAVITY BETWEEN DUCT INSULATION AND STUD FRAMING FULLY WITH MEDIUM DENSITY MINERAL WOOL PACKING MATERIAL AND BACKER ROD AT ENDS TO ACCEPT ACOUSTICAL SEALANT. ANNULAR SPACE BETWEEN STUDS AND DUCT INSULATION SHALL BE 1" OR LESS.
6. FRAME OPENINGS IN CMU PARTITIONS TO ACCOMMODATE THRU-WALL DUCT PENETRATIONS. PROVIDE A 4" WIDE GYPSUM BOARD COVER PLATE SECURED IN A SEALANT BED ON BOTH SIDES OF WALL PRESSED INTO DUCT INSULATION. SEAL PENETRATIONS TIGHT TO THE DUCT INSULATION & COVER PLATE WITH ACOUSTICAL SEALANT ON BOTH SIDES. INFILL ANNULAR SPACE CAVITY BETWEEN DUCT INSULATION AND CMU FULLY WITH MEDIUM DENSITY MINERAL WOOL PACKING MATERIAL. ANNULAR SPACE BETWEEN CMU AND DUCT INSULATION SHALL BE 1" OR LESS.
7. ALL ELECTRICAL CABLE THRU-WALL PENETRATIONS NOT IN CONDUITS SHALL BE SEALED WITH AN ACOUSTICAL SLEEVE PROVIDED BY HILTI, STI, OR EQUAL.
8. ALL PIPE, SLEEVE, AND CONDUIT THRU-WALL PENETRATIONS SHALL BE SEALED TIGHT WITH ACOUSTICAL SEALANT ON BOTH SIDES. IF MORE THAN 1/2", INFILL ANNULAR SPACE CAVITY BETWEEN PIPE, SLEEVE, OR CONDUIT AND WALL FULLY WITH MEDIUM DENSITY MINERAL WOOL PACKING MATERIAL AND BACKER ROD AT ENDS TO ACCEPT ACOUSTICAL SEALANT. ANNULAR SPACE BETWEEN WALL AND PIPE, SLEEVE, OR CONDUIT SHALL BE 1" OR LESS.
9. SEE REFLECTED CEILING PLANS AND CEILING DETAILS FOR SPECIFIC CEILING TYPE, CONSTRUCTION, AND RELATIONSHIP TO PARTITIONS. WHERE CEILINGS DO NOT OCCUR, GYPSUM BOARD SHALL EXTEND TO THE STRUCTURE ABOVE AND SHALL BE FINISHED, TAPED, FLOATED AND PAINTED.
10. PROVIDE WOOD TREATED BLOCKING OR SHEET METAL STRAPPING IN PARTITIONS FOR WALL MOUNTED EQUIPMENT, ACCESSORIES, ETC, AS INDICATED. SEE CONSTRUCTION PLAN(S) AND/OR INTERIOR ELEVATIONS FOR LOCATIONS.
11. ALL COMPONENTS OF FIRE RATED, SMOKE BARRIER OR SMOKE PARTITION SYSTEMS SHALL EXTEND FROM FLOOR TO THE STRUCTURE ABOVE.. ALL RATED PARTITIONS SHALL BE IDENTIFIED AS SUCH WITH LABELING / STENCILING PER NFPA, LOCATED ABOVE THE CEILING AT 8'-0" O.C.
12. AT THE INTERSECTION OF PARTITIONS, THE HIGHEST RATED PARTITION SHALL REMAIN CONTINUOUS.
13. WHERE DIAGONAL BRACING OCCURS, STUDS ARE TO BE CUT AND INFILLED BETWEEN STEEL FRAMING (ABOVE AND BELOW) MAX STUD SPACING 16" O.C. COORDINATE ALL MEP ROUTING WITH DIAGONAL BRACING.
14. PROVIDE CONTINUOUS FIRE CAULKING AT TOP AND BOTTOM OF PARTITION WHERE PARTITION HAS AN UNDERWRITERS LABORATORY (UL) RATING LISTING. WHERE PARTITIONS ARE LISTED WITH BOTH A FIRE RATING AND AN ACOUSTICAL RATING, THE FIRE RATING TAKES PRECEDENCE.
15. PROVIDE CONTINUOUS ACOUSTIC SEALANT AT TOP AND BOTTOM OF PARTITION WHERE PARTITION HAS A SOUND TRANSMISSION COEFFICIENT (STC) RATING LISTED.
16. PROVIDE A CONTINUOUS BEAD OF ACOUSTICAL SEALANT WHERE THE GYPSUM BOARD MEETS THE TOP OR BOTTOM OF THE FLOOR SLAB AT BOTH SIDES OF ALL METAL STUD WALLS.
17. FILL ENTIRE CAVITY WITH SOUND BATTS WHERE SOUND ATTENUATION BLANKETS ARE REQURIED.
18. THE CONTRACTOR SHALL COORDINATE ALL SCHEDULED FINISHES WITH PARTITION LAYOUTS AND REQUIRED CLEARANCES.
19. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH SCHEDULE, FINISH PLANS, AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
20. USE OF EQUIVALENT STEEL STUDS MAY BE ACCEPTABLE. CONTRACTOR MUST SUBMIT SUBSTITUTION REQUEST FORM WITH ALL DOCUMENTATION NECESSARY TO CONFIRM THAT THE EQUIVALENT MINIMUM BASE METAL THICKNESS IS ACHIEVED.
21. **[AT WALL SURFACES WHERE WALL TILE IS SPECIFIED, PROVIDE 5/8" CEMENT BACKER BOARD IN LIEU OF 5/8" GYPSUM BOARD.]**
22. **[AT CORRIDORS, STORAGE, AND EQUIPMENT ROOMS, PROVIDE 5/8" IMPACT-RESISTANT GYPSUM BOARD TO 4'-0" A.F.F. IN LIEU OF 5/8" GYPSUM BOARD.]**
23. **[AT RESTROOMS, JANITOR CLOSETS, KITCHENS, LOCKER ROOMS, WHERE WALL TILE IS NOT PROPOSED, PROVIDE 5/8" MOLD RESISTANT GYPSUM BOARD IN LIEU OF 5/8" GYPSUM BOARD.]**
24. **[SEE SHEET A331 FOR STANDARD PARTITION DETAILS. ALL STANDARD DETAILS SHOWN MAY NOT BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THESE DETAILS AND THE ACTUAL FIELD CONDITIONS TO THE ARCHITECT.]**

PARTITION LEGEND

FRAMING THICKNESS **(SEE TABLE A)**
PARTITION CONSTRUCTION ASSEMBLY **(SEE TABLE B)**
PARTITION FIRE RATING **(SEE TABLE C)**
3A0 — PARTITION TYPE TAG

TABLE A - FRAMING THICKNESS (ACTUAL)

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

SEE STRUCTURAL DRAWINGS FOR CONCRETE WALL THICKNESS.

TABLE B - PARTITION CONSTRUCTION

CHARACTER	FINISH / FINISH HEIGHT	FRAMING MEMBER	FINISH / FINISH HEIGHT	SOUND ATTENUATION
A	1-LAYER GYP. BD. / EXTEND TO DECK	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
B	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	BATT
C	NO FINISH	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
D	NO FINISH	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	BATT
E	1-LAYER GYP. BD. / EXTEND TO DECK	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK ON 1/2" RESIL. CHANNEL	BATT
F	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	METAL C-STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG. ON 1/2" RESIL. CHANNEL	BATT
G	1-LAYER GYP. BD. / EXTEND TO CLG.	METAL C-STUD TO CLG.	1-LAYER GYP. BD. / EXTEND TO CLG.	BATT
H	1-LAYER SHAFT LINER / EXTEND TO DECK	METAL CH-STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
J	NO FINISH	CMU TO 10'-0" AFF	NO FINISH	-
K	NO FINISH / 1-LAYER GYP. BD.	CMU / WOOD STUD	NO FINISH / 1-LAYER GYP. BD.	- / BATT
L	NO FINISH	CMU TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG. ON 1 1/2" MTL. STUD	-
M	NO FINISH	EXISTING	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG. ON 7/8" MTL. HAT	-
N	1-LAYER GYP. BD. / EXTEND TO DECK	WOOD STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
P	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	WOOD STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	BATT
Q	NO FINISH	WOOD STUD TO DECK	1-LAYER GYP. BD. / EXTEND TO DECK	BATT
R	NO FINISH	WOOD STUD TO DECK	1-LAYER GYP. BD. / EXTEND 6" ABOVE CLG.	BATT

TABLE C - FIRE RATING

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

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NO.	DESCRIPTION	DATE

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DATE	09/20/2021
PROJECT MANAGER	
QUALITY CONTROL	

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PARTITION TYPES

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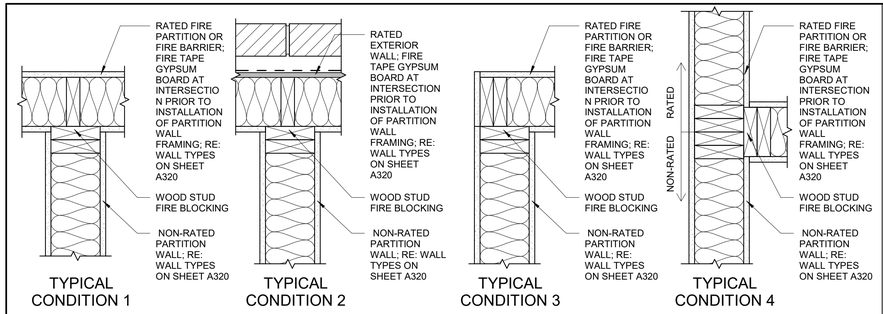
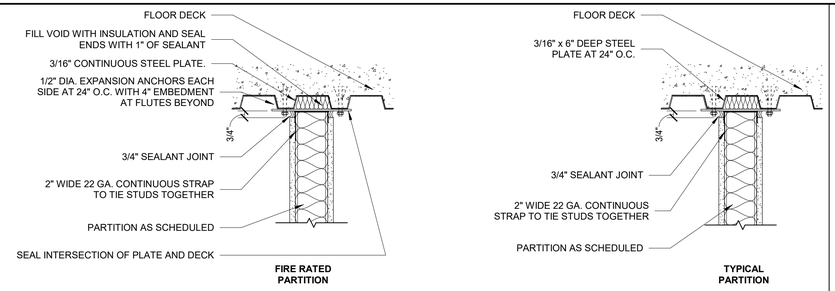


*NOTE: ALL CONDITIONS ARE NOT REPRESENTED HERE BUT WILL BE SIMILAR. SIMILAR CONDITIONS NOT SHOWN IN THESE TYPICAL CONDITIONS SHALL MAINTAIN THE RATING IN SAME MANNER; DISCUSS WITH ARCHITECT BEFORE PROCEEDING WITH PARTICULAR CONDITION IF THERE ARE QUESTIONS ON HOW RATING SHOULD BE MAINTAINED

1 TYP. PARTITION INTERSECTIONS

1 1/2" = 1'-0" 0 6" 12"

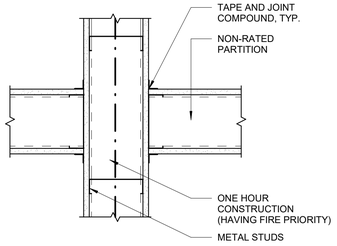


NOTE: DETAIL AT CONCRETE DECK IS SIMILAR.
OMIT INSULATION AND STEEL PLATE AT FLUTES

3 PARTITION DETAILS - SECTION @ MTL DECK (PARALLEL W/ FLUTES)

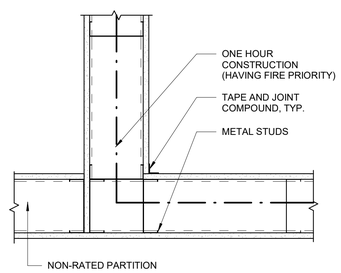
1 1/2" = 1'-0" 0 6" 12"

5 NOT USED



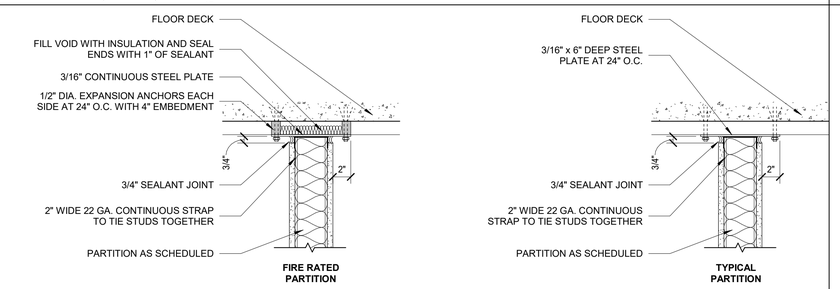
6 FIRE RATED PARTITION PRIORITY

1 1/2" = 1'-0" 0 6" 12"



7 FIRE RATED PARTITION PRIORITY

1 1/2" = 1'-0" 0 6" 12"

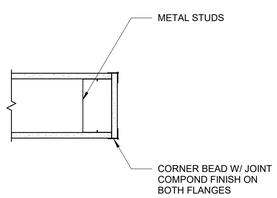


NOTE: DETAIL AT CONCRETE DECK IS SIMILAR.
OMIT INSULATION AND STEEL PLATE AT FLUTES

8 PARTITION DETAILS - SECTION @ MTL DECK (PERPENDICULAR W/ FLUTES)

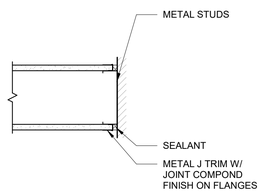
1 1/2" = 1'-0" 0 6" 12"

10 NOT USED



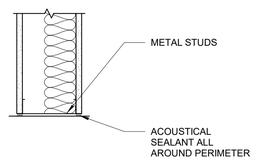
11 PARTITION END DETAIL

1 1/2" = 1'-0" 0 6" 12"



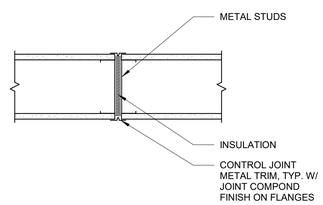
12 PERIMETER RELIEF DETAIL

1 1/2" = 1'-0" 0 6" 12"



13 SOUNDPROOFING AT BASE DETAIL

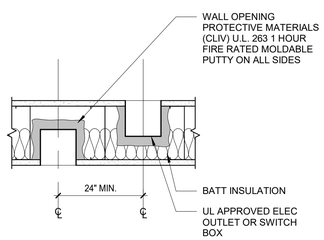
1 1/2" = 1'-0" 0 6" 12"



14 WALL CONTROL JOINT DETAIL

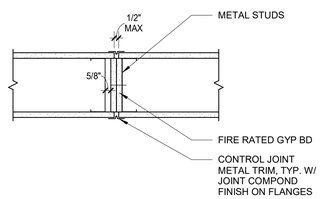
1 1/2" = 1'-0" 0 6" 12"

15 NOT USED



16 PARTITION DETAIL AT ELEC. BOX

1 1/2" = 1'-0" 0 6" 12"



17 FIRE RATED CONTROL JOINT

1 1/2" = 1'-0" 0 6" 12"

18 NOT USED

19 NOT USED

20 NOT USED

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PHASE	DD
DATE	09/20/2021
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STANDARD PARTITION DETAILS

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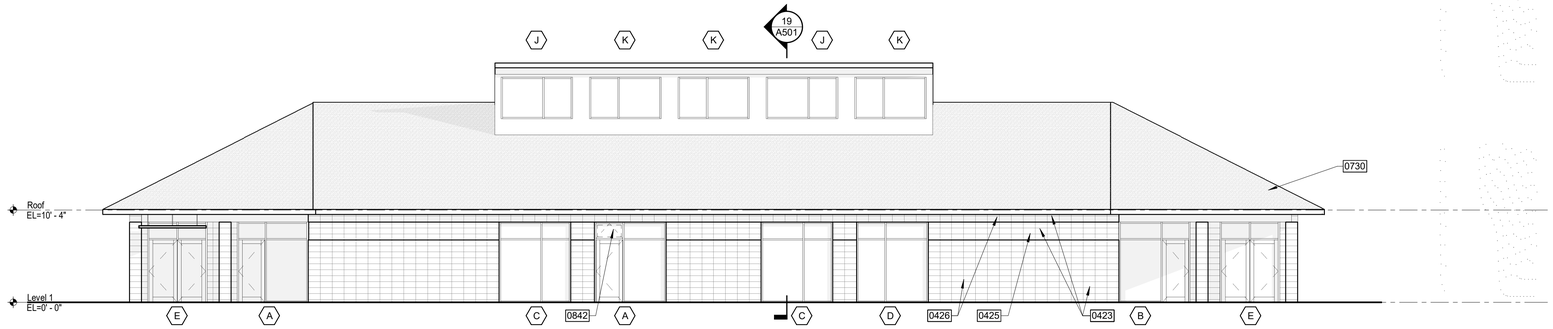
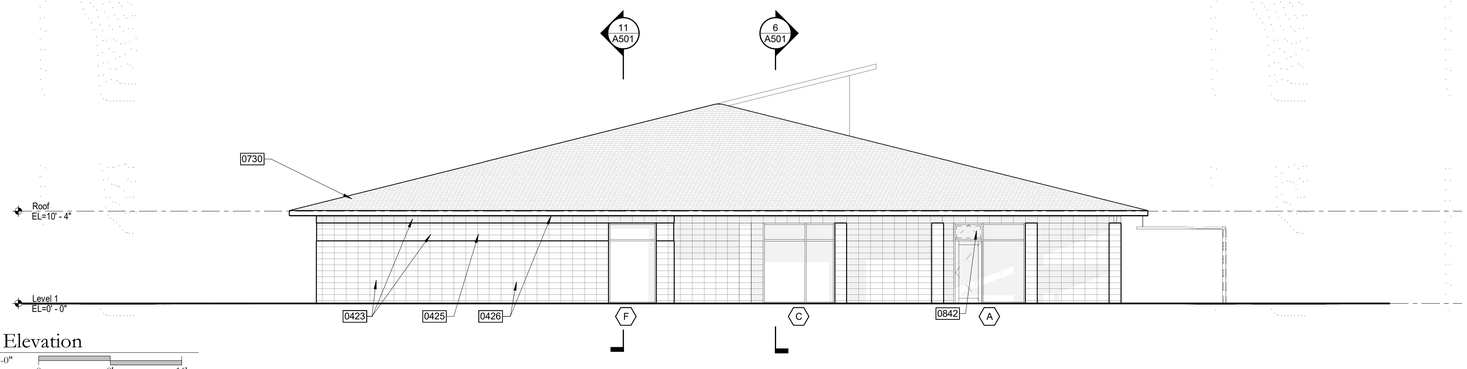
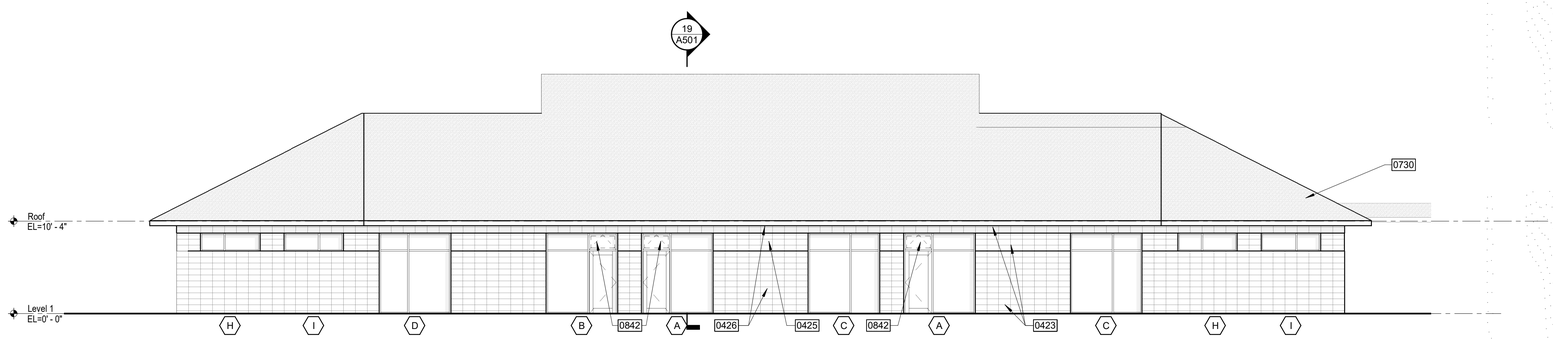


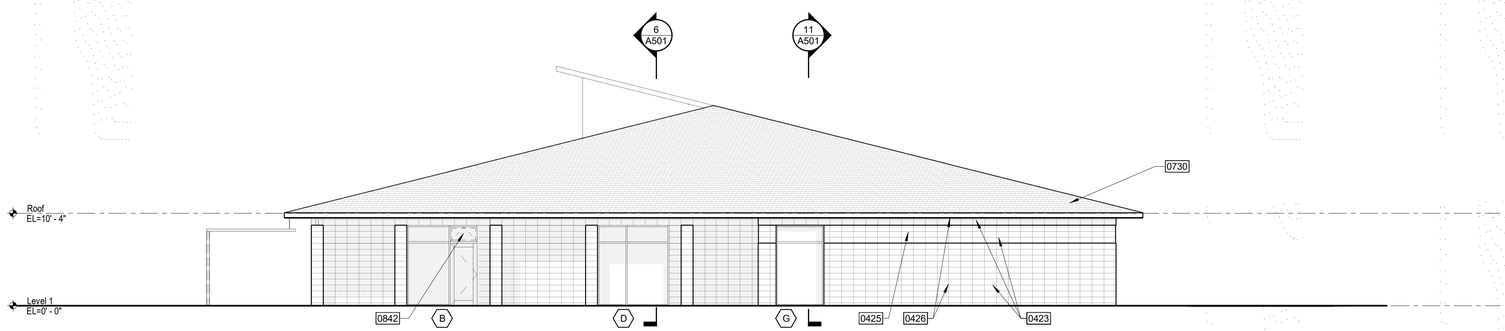
1 North Elevation
1/8" = 1'-0"
0 8' 16'



6 East Elevation
1/8" = 1'-0"
0 8' 16'



11 South Elevation
1/8" = 1'-0"
0 8' 16'



16 West Elevation
1/8" = 1'-0"
0 8' 16'

GENERAL NOTES

1. X

KEYNOTE LEGEND

0423 8" CMU, IN A STACKED BOND PATTERN, PTD.
0730 ASPHALT SHINGLES, COLOR AND TYPE SHALL MATCH EXISTING BUILDINGS

KEYNOTE LEGEND - ALT. NO. 1

0425 ALTERNATE NO. 1 - GLAZED CMU FROM 7'-0" TO 9'-0"

KEYNOTE LEGEND - ALT. NO. 2

0426 ALTERNATE NO. 2 - GROUND FACE CMU BELOW 7'-0" AND ABOVE 9'-0"

KEYNOTE LEGEND - ALT. NO. 3

0842 ALTERNATE NO. 3 - OPERABLE TRANSOM

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EXTERIOR ELEVATIONS

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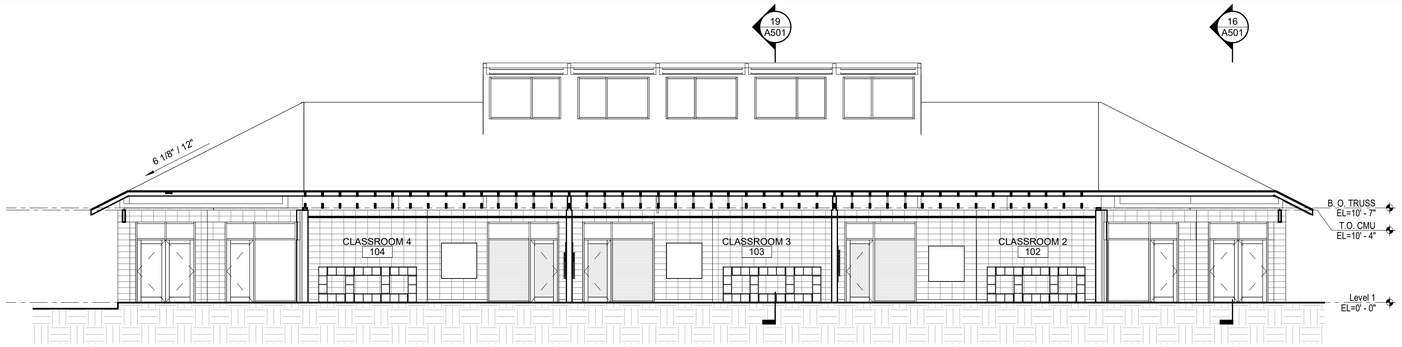
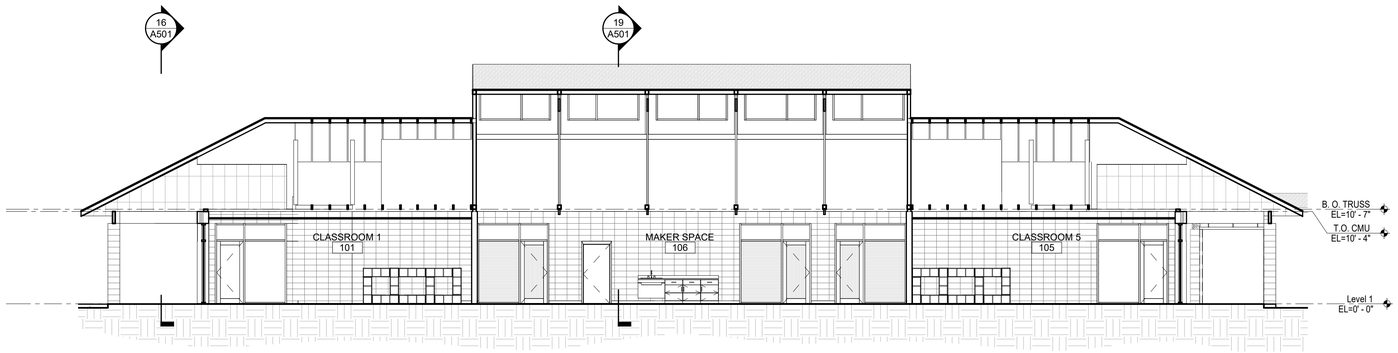


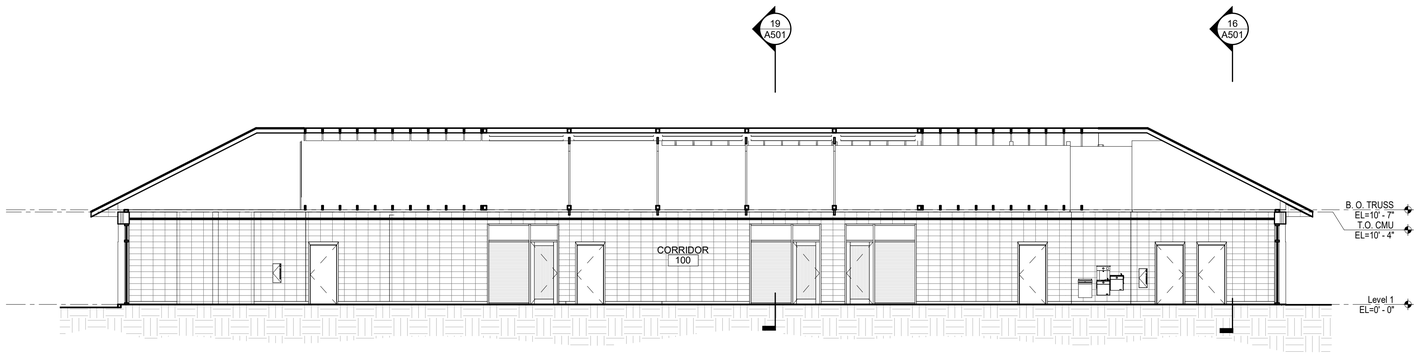
1 LONGITUDINAL SECTION THROUGH CLASSROOMS

1/8" = 1'-0"



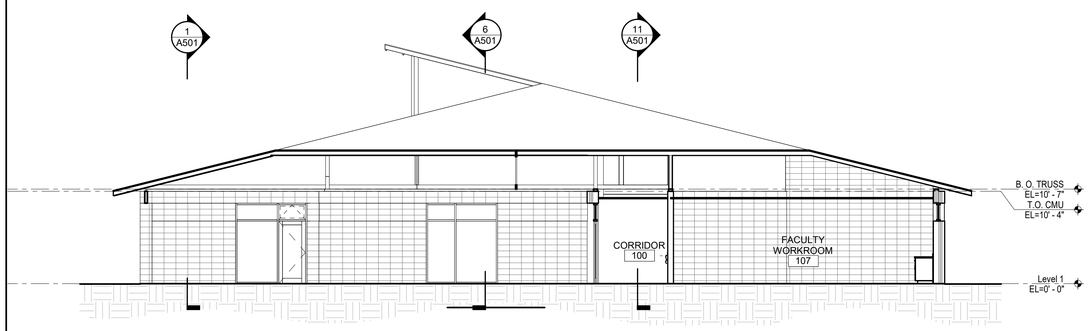
6 LONGITUDINAL SECTION THROUGH MAKER SPACE

1/8" = 1'-0"



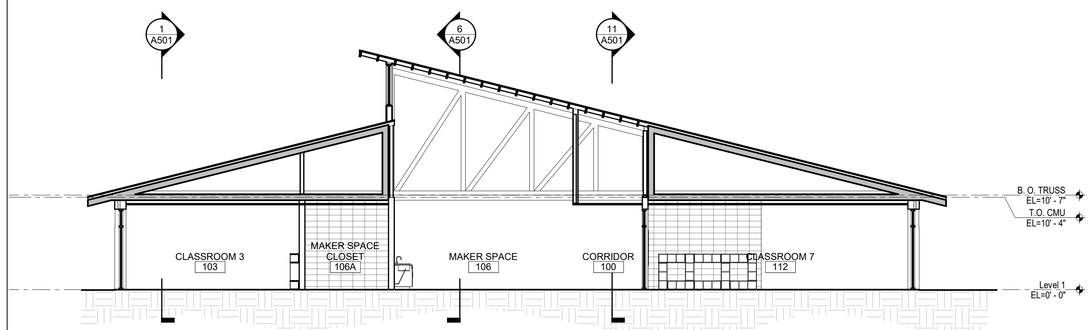
11 LONGITUDINAL SECTION THROUGH CORRIDOR

1/8" = 1'-0"



16 LATERAL SECTION THROUGH PATIO

1/8" = 1'-0"



19 LATERAL SECTION THROUGH MAKER SPACE

1/8" = 1'-0"

GENERAL NOTES

1. ALL EXTERIOR METAL STUDS SHALL BE 6" DEEP MIN. AT 16" O.C. SPACING, MAX. UNLESS OTHERWISE NOTED ON PLANS (GAUGE AS SPECIFIED IN SECTION 09 22 16)

KEYNOTE LEGEND

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BUILDING SECTIONS

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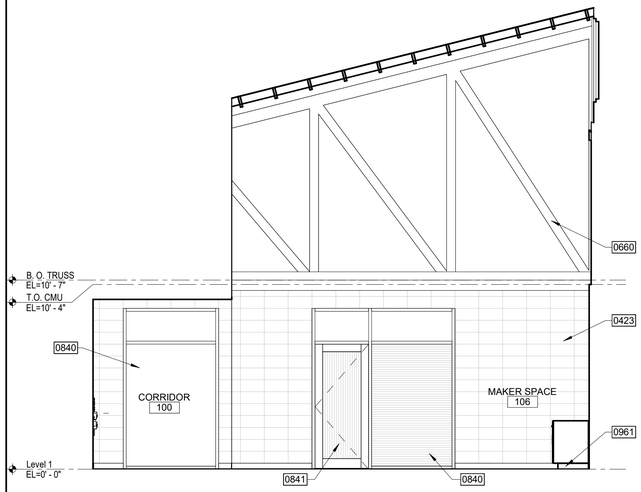
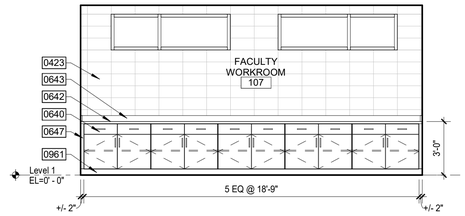
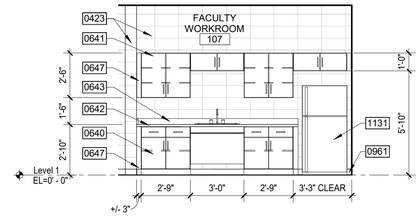


6 INTERIOR ELEVATION @ MAKER SPACE
1/4" = 1'-0"



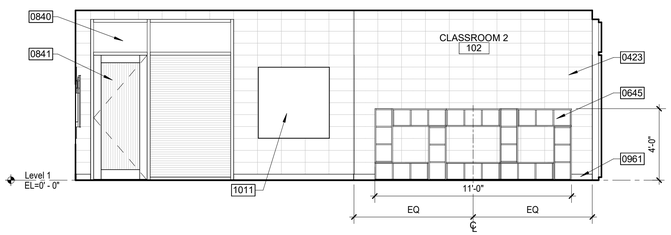
3 INTERIOR ELEVATION @ FACULTY
1/4" = 1'-0"



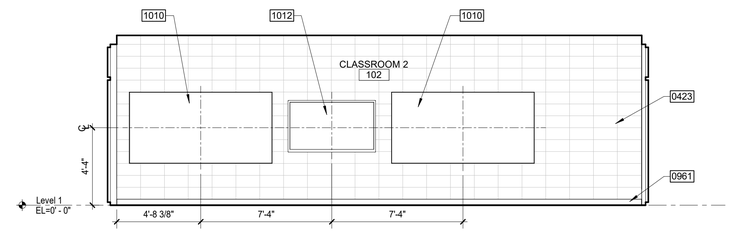
4 INTERIOR ELEVATION @ FACULTY
1/4" = 1'-0"

KEYNOTE LEGEND

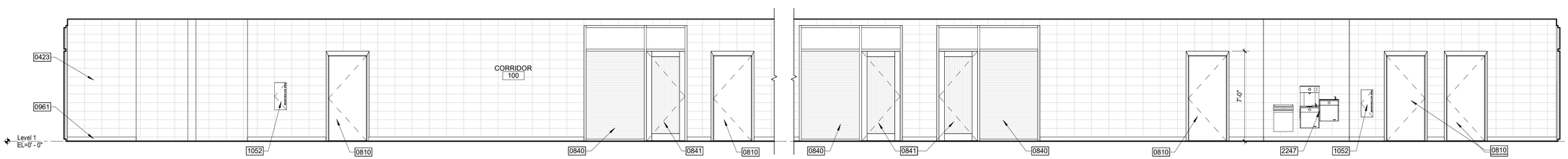
0423	8" CMU, IN A STACKED BOND PATTERN, PTD.
0640	3/4"MDF BASE CABINETS WITH PLASTIC LAMINATE ALL SURFACES AND EDGES
0641	3/4" MDF UPPER CABINETS WITH PLASTIC LAMINATE ALL SURFACES
0642	3/4" MDF COUNTERTOP WITH PLASTIC LAMINATE [(PL-2)]
0643	3/4" MDF BACKSPLASH WITH PLASTIC LAMINATE [(PL-2)], 4" HIGH, RETURN AT SIDE WALLS
0645	3/4" MDF CUBBY WITH PLASTIC LAMINATE [(PL-2)]
0646	PLASTIC LAMINATE ON EXPOSED END PANEL
0647	PLASTIC LAMINATE FILLER
0648	3/4" MDF ADA COMPLIANT SINK APRON
0660	WOOD TRUSS
0810	DOOR; RE: DOOR SCHEDULE
0840	ALUMINUM STOREFRONT SYSTEM, PREFINISHED; RE: OPENING ELEVATIONS
0841	ALUMINUM STOREFRONT DOOR, PREFINISHED
0961	SCHEDULED BASE; RE: ROOM SCHEDULE
1010	4' X 8' DRY ERASE BOARD
1011	4' X 4' TACK BOARD
1012	DIGITAL DISPLAY
1052	FULLY-RECESSED FIRE EXTINGUISHER CABINET AND EXTINGUISHER; SEE G102 FOR MOUNTING HEIGHT
1131	REFRIGERATOR/FREEZER, PROVIDE ELECTRICAL OUTLET AND WATER CONNECTION
2247	ADA-ABA COMPLIANT ELECTRIC CHILLED DRINKING FOUNTAIN, PROVIDE ALL UTILITY CONNECTIONS REQUIRED
2260	STAINLESS STEEL 2-COMPARTMENT SINK



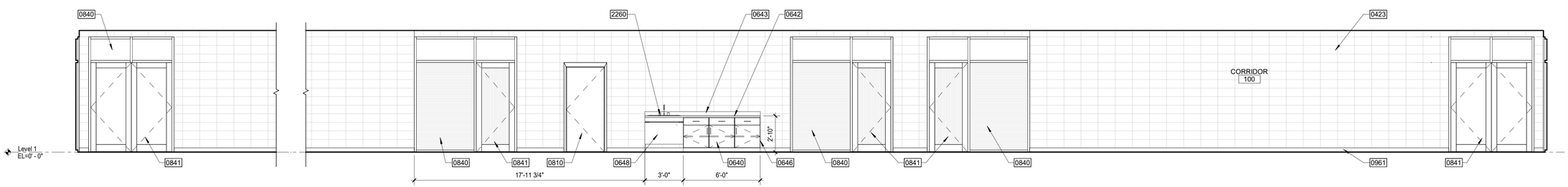
8 INTERIOR ELEVATION AT CUBBIES
1/4" = 1'-0"



9 INTERIOR ELEVATION AT TEACHING WALL
1/4" = 1'-0"



11 INTERIOR ELEVATION AT CORRIDOR
1/4" = 1'-0"



16 INTERIOR ELEVATION AT MAKER SPACE
1/4" = 1'-0"

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

DC REEVES ELEMENTARY SCHOOL
CLASSROOM WING ADDITION
18026 SISTER'S ROAD, PONCHATOULA, LA

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	
QUALITY CONTROL	

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DESIGN DEVELOPMENT

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INTERIOR ELEVATIONS / MILLWORK ELEVATIONS

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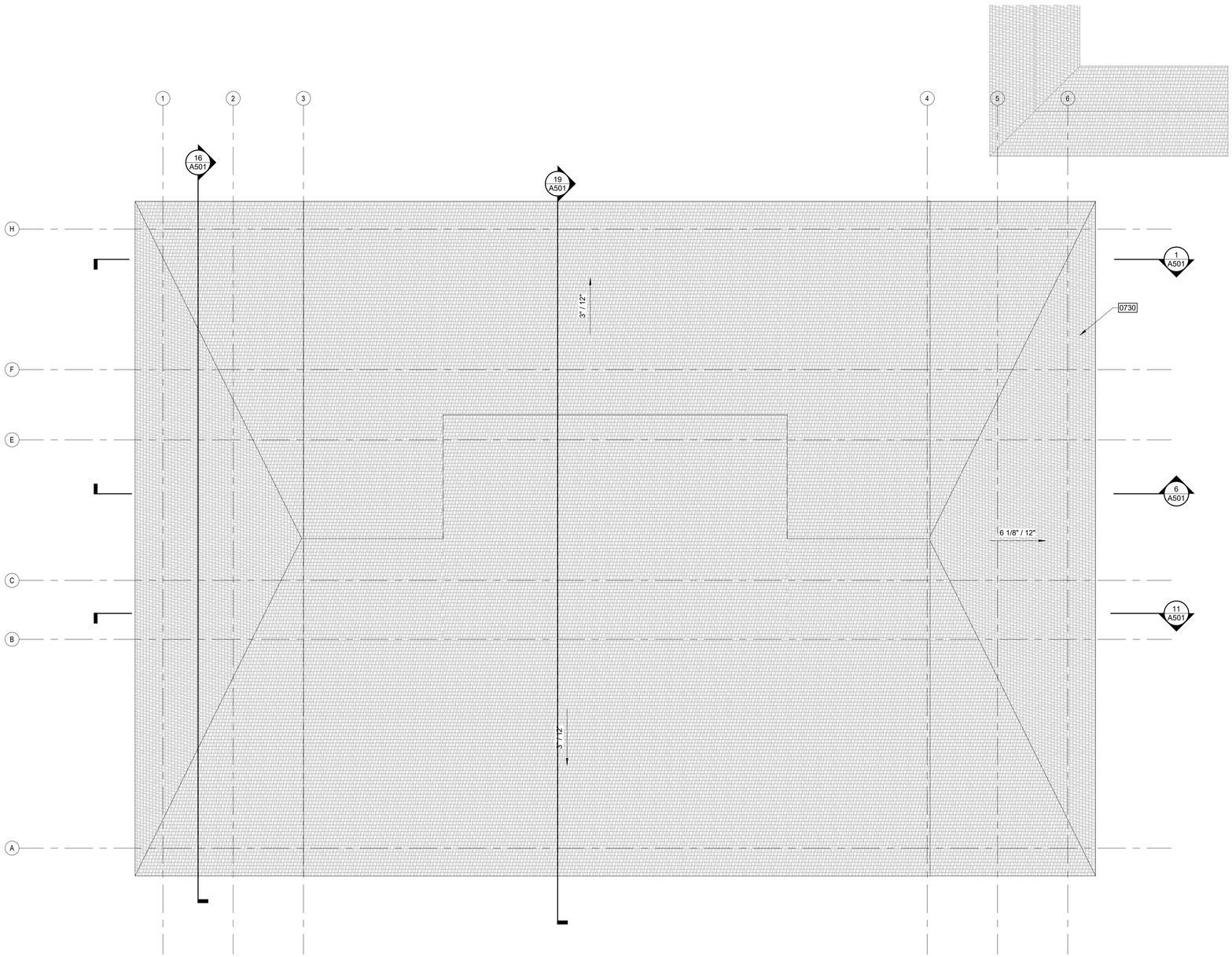

16 ROOF PLAN
1/8" = 1'-0"
0 8' 16'

TRUE NORTH
N

GENERAL NOTES

1. REFER TO MECHANICAL, PLUMING AND ELECTRICAL FOR LOCATIONS OF PIPING, CURBS, VENTS, DUCTS, FANS, AND OTHER ITEMS ON THE ROOF SURFACE.
2. PAINT EXPOSED ROOF MOUNTED EQUIPMENT, PIPING, ETC. , EXCEPT THOSE ITEMS WHICH ARE ALUMINUM OR STAINLESS STEEL COLORED AS SELECTED BY ARCHITECT.
3. ALL ROOF FLASHING TO BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
4. REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN SIZES.
5. OVERFLOW ROOF DRAW INLETS SHALL BE 2" ABOVE THE PRIMARY DRAWN INLETS.
6. SEE SHEET A911 FOR STANDARD ROOF DETAILS. ALL STANDARD DETAILS SHOWN MAY NOT BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THESE DETAILS AND THE ACTUAL FIELD CONDITIONS TO THE ARCHITECT.

KEYNOTE LEGEND

0730 ASPHALT SHINGLES, COLOR AND TYPE SHALL MATCH EXISTING BUILDINGS

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DESIGN DEVELOPMENT

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ROOF PLAN

H/S

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DEFINE

ELECTRICAL ABBREVIATIONS

CT	DENOTES COUNTER-TOP-HEIGHT MOUNTED. CONTRACTOR TO VERIFY COUNTER TOP HEIGHT AND HEIGHT OF BACK SPLASH.
E	DENOTES EMERGENCY DEVICE
G	DENOTES GROUND FAULT INTERRUPTER PROTECTED
WP	DENOTES WEATHERPROOF
AFF	DENOTES ABOVE FINISHED FLOOR
C	DENOTES CONDUIT
A	DENOTES AMP
EWC	ELECTRICAL WATER COOLER
W	WALL MOUNTED-48" ABOVE FINISHED FLOOR OR AS NOTED
CB	CODE BLUE
IG	DENOTES ISOLATED GROUND
FDS	FUSED DISCONNECT SWITCH
BOF	BOTTOM OF FIXTURE
MRR	MANUFACTURER'S RECOMMENDED RATING
WR	WEATHER RESISTANT
VOJ	VERIFY ON JOB
VR	VANDAL RESISTANT
SPD	SURGE PROTECTION DEVICE - REFER TO SPECIFICATIONS.

ELECTRICAL LINE TYPE LEGEND

SCREENED LINES/SYMBOLS INDICATE EXISTING DEVICES TO REMAIN.

DASHED LINES/SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED OR RELOCATED.

BOLD LINES/SYMBOLS INDICATE NEW OR RELOCATED DEVICES.

DESIGN

ELECTRICAL LEGEND

SYMBOL	LIGHTING DESCRIPTION
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	CEILING MOUNTED EXIT LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION
	WALL MOUNTED EXIT LIGHT - COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION
	EMERGENCY LIGHT (8'-0" A.F.F. OR AS NOTED) - REFER TO LIGHTING FIXTURE SCHEDULE
	CEILING MOUNTED EGRESS LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE
	PHOTOCELL
$	SINGLE POLE TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$3	THREE-WAY TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$D	WALL MOUNTED DIMMER SWITCH WITH ON/OFF AND 0-10V OUTPUT DIMMING. DIMMER MUST BE COMPATIBLE WITH BALLAST OR LED. REFER TO SPECIFICATIONS. PROVIDE ALL NECESSARY CONDUCTORS FOR COMPLETE OPERATING SYSTEM. (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$M	MOTOR RATED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED). CONTRACTOR TO PROVIDE SWITCH TO DE-ENERGIZE EACH CURRENT CARRYING CONDUCTOR. LOCATE ADJACENT TO EQUIPMENT BEING SERVED IN A READILY ACCESSIBLE LOCATION.
$K	SINGLE POLE KEYED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$-	SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) COORDINATE TYPE AND INSTALLATION REQUIREMENTS WITH MANUFACTURE. COORDINATE LOCATION WITH OWNER.
$	SINGLE POLE SWITCH. MOUNT IN DOOR SWING. LEE ELECTRIC: 210DN
$$	INBOARD AND OUTBOARD SWITCHING UNLESS NOTED OTHERWISE (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$T	SINGLE POLE DIGITAL PRESET COUNT DOWN TYPE TIMER SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) SENSORSWITCH PTS 60 OR EQUAL
$	WALL MOUNTED OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS.
$$	WALL MOUNTED DOUBLE SWITCH OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS.
	CORNER MOUNTED OCCUPANCY SENSOR - MOUNTING HEIGHT TO BE DETERMINED PER MANUFACTURER'S RECCOMENDATIONS FOR OPTIMAL COVERAGE - MYTECH, WATT STOPPER
	POWER DESCRIPTION
	DUPLEX CONVENIENCE OUTLET (18" A.F.F. FOR GENERAL AREAS, 36" A.F.F. FOR GARAGES, HANGARS AND THE LIKE OR AS NOTED)
TV	TELEVISION OUTLET (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT)
EWC	ELECTRICAL WATER COOLER; COORDINATE ELECTRICAL DEVICE/OUTLET TYPE AND LOCATION WITH PLUMBING CONTRACTOR (CONCEAL OUTLET/DEVICE BEHIND COOLER) OUTLET TO BE GROUND FAULT INTERRUPTER PROTECTED.
MW	MICROWAVE OUTLET - RECESSED 20 AMP DUPLEX OUTLET. HUBBELL OR EQUAL. VERIFY EXACT MOUNTING LOCATION WITH OWNER/ACHITECT PRIOR TO ROUGH IN.
WH	WATER HEATER; COORDINATE ELECTRICAL OUTLET/DISCONNECT TYPE AND LOCATION WITH PLUMBING CONTRACTOR
SB	SMART BOARD OUTLET - SB DENOTES HEIGHT OF OUTLET PER OWNER
TR	DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED) TR DENOTES TAMPER RESISTANT - HUBBELL: RR205TR, GFTR20 OR EQUAL.
U	COMBINATION RECEPTACLE/OUTLET AND DUAL USB CHARGER - LEVITON T5832 OR EQUAL. (18" A.F.F. OR AS NOTED)
	DOUBLE DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED)
	SPECIAL OUTLET (VERIFY TYPE AND MOUNTING HEIGHT WITH EQUIPMENT MANUFACTURE)
	COUNTER TOP DUPLEX OUTLET (CLEAR BACK SPLASH)
	CEILING MOUNTED OUTLET
	MOTOR STARTER - PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
	FLOOR BOX, POWER (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION) MINIMUM 2-3/4" CONDUITS TO ACCESSIBLE CEILING.
XX	FLOOR BOX, COMBINATION POWER/COMMUNICATIONS (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. 2-1" CONDUITS IN SLAB TO 6" ABOVE ACCESSIBLE CEILING - PROVIDE BLANK PLATE OR XX DENOTES CABLE TYPE AND QUANTITY; P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS
J	JUNCTION BOX
J EMS	CONTROL POWER FOR ENERGY MANAGEMENT SYSTEM - PROVIDE OUTLET OR JUNCTION BOX AT LOCATION PER EMS CONTRACTOR
J HD	HAND DRYER - COORDINATE OUTLET/DEVICE TYPE WITH SUPPLIER. COORDINATE LOCATION WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN.
	ELECTRICAL MOTOR (COORDINATE TERMINATION WITH SUPPLIER)
XX/Y ZZF	FUSED DISCONNECT SWITCH - FUSE AT MANUFACTURE RECOMMENDED RATING UNLESS NOTED OTHERWISE. XX DENOTES DISCONNECT SIZE, Y DENOTES PHASE, ZZF ZZ DENOTES FUSE SIZE.
	ELECTRICAL PANEL SURFACE MOUNTED
	ELECTRICAL PANEL FLUSH MOUNTED
TP	TELEPHONE/POWER POLE: COORDINATE EXACT MOUNTING LOCATION WITH FURNITURE MANUFACTURE. MAKE FINAL CONNECTIONS. REFER TO DETAIL. WIRE MOLD: 30TP-4V
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
	CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE
	HOMERUN TO ELECTRIC PANEL BOARD (INDICATED NUMBER OF CIRCUIT BY NUMBER OF ARROWS)
	THREE (3) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.
	FOUR (4) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.
	FIVE (5) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.
	FOUR (4) CONDUCTORS RUN IN CONDUIT, ONE CONDUCTOR DESIGNATED FOR ISOLATED GROUND
M	MOTORIZED DAMPER - PROVIDE BY OTHERS. ELECTRICALLY POWERED BY ELECTRICAL CONTRACTOR WHEN NOTED.
	START - STOP STATION - COORDINATE WITH EQUIPMENT PROVIDER.
VFD	VARIABLE FREQUENCY DRIVE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. MAINTAIN CLEARANCES PER NFPA 70

SYMBOL	SPECIAL SYSTEMS DESCRIPTION
XX	COMMUNICATIONS OUTLET - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 1" CONDUIT TO ACCESSIBLE CEILING (18" A.F.F OR AS NOTED) - PROVIDE A BLANK PLATE OR XX DENOTES CABLE TYPE AND QUANTITY; P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS
XX	TELEVISION OUTLET-DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 1" C. TO ACCESSIBLE CEILING (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT) - PROVIDE BLANK PLATE OR XX DENOTES CABLE TYPE AND QUANTITY; P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS
XX	DATA JACK ABOVE CEILING W/ 30' OF SLACK (FUTURE WIRELESS ACCESS POINT) XX - DENOTES CABLE QUANTITY
AV	AUDIO & VISUAL - DEEP 4" SQUARE DEEP DOUBLE GANG BOX WITH DOUBLE GANG PLASTER RING (MOUNT 18" A.F.F. V.O.J.) WITH 1 1/4" CONDUIT WITH CABLE/PULLSTRING TO A MINIMUM OF 6" ABOVE CEILING.
OP	OVERHEAD PROJECTOR - DEEP 4" SQUARE BOX INSTALLED ABOVE CEILING ADJACENT TO OVERHEAD PROJECTOR (SEE DETAIL)
AV	AUDIO & VISUAL - RECESSED FLOOR BOX - WIREMOLD RFB9 OR EQUAL (SEE DETAIL)
SB	SMART BOARD J-BOX - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)
CS	CONTROL STATION - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)
	FIRE ALARM DESCRIPTION
F	FIRE ALARM PULL STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (48" A.F.F. TO CENTER OF DEVICE)
VS	FIRE ALARM VALVE SUPERVISORY SWITCH- PROVIDE MONITORING MODULE FOR ALL VALVE SUPERVISORY SWITCHES, COORDINATE REQUIREMENTS, QUANTITIES, AND LOCATIONS WITH THE SPRINKLER CONTRACTOR
WF	FIRE ALARM FLOW DETECTOR/SWITCH - PROVIDE MONITORING MODULE FOR ALL FLOW DETECTORS/SWITCHES, COORDINATE REQUIREMENTS, QUANTITIES, AND LOCATIONS WITH THE SPRINKLER CONTRACTOR
DH	MAGNETIC DOOR HOLDER - CONTRACTOR TO CONNECT TO 120V CIRCUIT. DOOR HOLDERS SHALL RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL - BACK BOX WITH 1" CONDUIT MINIMUM TO ACCESSIBLE CEILING
S	SMOKE DETECTOR - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING.
SD	SINGLE STATION SMOKE DETECTOR 120 VOLT WITH BATTERY BACKUP AND INTERCONNECTED TO ALL SMOKE DETECTORS IN UNIT.
S ID	FIRE ALARM DUCT DETECTOR
H	HEAT DETECTOR - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING.
AO	ADDRESSABLE INPUT/OUTPUT MODULE
XX	FIRE ALARM WALL MOUNTED STROBE UNIT - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA 72, ALL DEVICES SHALL BE AT SAME HEIGHT) XX DENOTES CANDELA RATING
XX	FIRE ALARM CEILING MOUNTED STROBE - XX DENOTES CANDELA RATING
XX	FIRE ALARM WALL MOUNTED HORN/STROBE UNIT - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA) XX DENOTES CANDELA RATING
C XX	FIRE ALARM CEILING MOUNTED HORN/STROBE - XX DENOTES CANDELA RATING
S	FIRE ALARM WALL MOUNTED SPEAKER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA 72, ALL DEVICES SHALL BE AT THE SAME HEIGHT)
C S	FIRE ALARM CEILING MOUNTED SPEAKER
XX	FIRE ALARM WALL MOUNTED SPEAKER/STROBE UNIT - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA 72, ALL DEVICES SHALL BE AT THE SAME HEIGHT) XX DENOTES CANDELA RATING
C XX	FIRE ALARM CEILING MOUNTED SPEAKER STROBE - XX DENOTES CANDELA RATING
	SPRINKLER ALARM BELL (BY OTHERS) - PROVIDE DEDICATED LOW VOLTAGE FIRE ALARM CIRCUIT FROM THE FIRE ALARM CONTROL PANEL. COORDINATE WITH SPRINKLER CONTRACTOR.
	SECURITY SYSTEM DESCRIPTION
	SURVEILLANCE CAMERA - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. VERIFY HEIGHT WITH ENGINEER.
CR	CARD READER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
L	SECURITY SYSTEM MOTION DETECTOR - LONG RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.
W	SECURITY SYSTEM MOTION DETECTOR - WIDE RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.
K	SECURITY SYSTEM KEY PAD - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING
	SECURITY SYSTEM DOOR CONTACT - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.
H	SECURITY SYSTEM HORN - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING.
	INTERCOM DESCRIPTION
	CLOCK, D=DENOTES DOUBLE FACE, S=DENOTES SINGLE FACE - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING
AD	ADMINISTRATIVE PHONE - PHONE FOR SPACE PER SPECIFICATIONS
NA	NON-ADMINISTRATIVE PHONE - PHONE FOR SPACE PER SPECIFICATIONS
CP	CLASSROOM PHONE - PROVIDE PHONE FOR SPACE PER SPECIFICATIONS
S	CEILING MOUNTED SPEAKER - PROVIDE SPEAKER BACK BOX AND CABLING
IC	INTERCOM CONTROL STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING.
	TRUMPET SPEAKER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. VERIFY HEIGHT WITH ENGINEER.

NOTES:

1. ITEMS ON THIS SCHEDULE ARE NOT NECESSARILY SHOWN ON PLANS.

DELIVER

ELECTRICAL GENERAL NOTES

1. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS ANY LOCAL CODES AND ORDINANCES.
2. MAINTAIN PROPER WORKING SPACE CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER NEC ARTICLE 110.26.
3. FULLY COORDINATE ALL ELECTRICAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED BY ALL DIVISIONS UNDER THIS CONSTRUCTION CONTRACT. EACH SYSTEM SHALL BE COMPLETE AND FULLY FUNCTIONAL. THIS INCLUDES MECHANICAL, PLUMBING, OWNER PROVIDED AND CONTRACTOR PROVIDED EQUIPMENT. CONTRACTOR TO REFER TO EQUIPMENT INSTALLATION DOCUMENTS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN.
4. CONTRACTOR SHALL COORDINATE CIRCUIT BREAKER AND FUSE SIZES FOR MECHANICAL EQUIPMENT PER SUBMITTED EQUIPMENT MANUFACTURER'S RECOMMENDED NAMEPLATE RATINGS PRIOR TO SHOP DRAWING PHASE OF PROJECT.
5. INTERRUPTION OF SERVICE: BEFORE ANY EQUIPMENT IS SHUT DOWN FOR DISCONNECTING OR TIE-INS, ARRANGEMENTS SHALL BE MADE WITH THE ARCHITECT AND THIS WORK SHALL BE DONE AT THE TIME BEST SUITED TO THE OWNER. OUTAGES MUST BE SCHEDULED THROUGH THE ARCHITECT. THE ARCHITECT SHALL REVIEW EXTENT, LENGTH, AND TIMING OF OUTAGES. SERVICES SHALL BE RESTORED THE SAME DAY. PROVIDE TEMPORARY POWER OR OTHER SERVICES AS REQUIRED DURING OUTAGES. ALL OVERTIME OR PREMIUM COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE BASE BID.
6. COORDINATE LOCATION OF ELECTRICAL EQUIPMENT WITH PIPES AND DUCT WORK BEING SUPPLIED BY OTHER DIVISIONS. THE EQUIPMENT SPACE INCLUDED ALL REFERENCED NEC CLEARANCES SHALL BE MAINTAINED. IF ANY PIPES OR DUCT WORK VIOLATE ANY ELECTRICAL CLEARANCE REQUIREMENTS, IT SHALL BE REMOVED AND RELOCATED AT THE CONTRACTOR'S EXPENSE. DRIP PANS ARE NOT PERMITTED UNLESS SPECIFICALLY CALLED FOR IN THE CONSTRUCTION DOCUMENTS.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL EQUIPMENT THAT MAY REQUIRE MAINTENANCE AND OPERATION ARE READILY ACCESSIBLE, REGARDLESS OF THE DIAGRAMMATIC LOCATION SHOWN ON THE DRAWINGS. ALL CONNECTIONS TO FIXTURES AND EQUIPMENT SHOWN ON THE DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC UNLESS OTHERWISE INDICATED BY A SPECIFIC DETAIL ON THE DRAWINGS. THE ACTUAL CONNECTIONS SHALL BE MADE TO FULLY SUIT THE REQUIREMENTS OF EACH CASE AND ADEQUATELY PROVIDE FOR SERVICING.
8. CONTRACTOR SHALL TAMP AND BACKFILL ALL TRENCHES. TRENCHES SHALL BE LEVEL WITH FINISH GRADE.
9. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT.
10. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES.
11. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
12. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
13. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
14. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
15. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
16. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
17. DEVICE SYMBOLS ALONG WITH DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS ARE INTENDED TO PROVIDE A COMPLETE SYSTEM. CONTRACTOR TO COORDINATE WITH ALL TRADES TO PROVIDE A COMPLETE SYSTEM.

M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21115.00

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

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PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	DC
QUALITY CONTROL	CG

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DESIGN DEVELOPMENT

E000

ELECTRICAL LEGEND & NOTES

H/S

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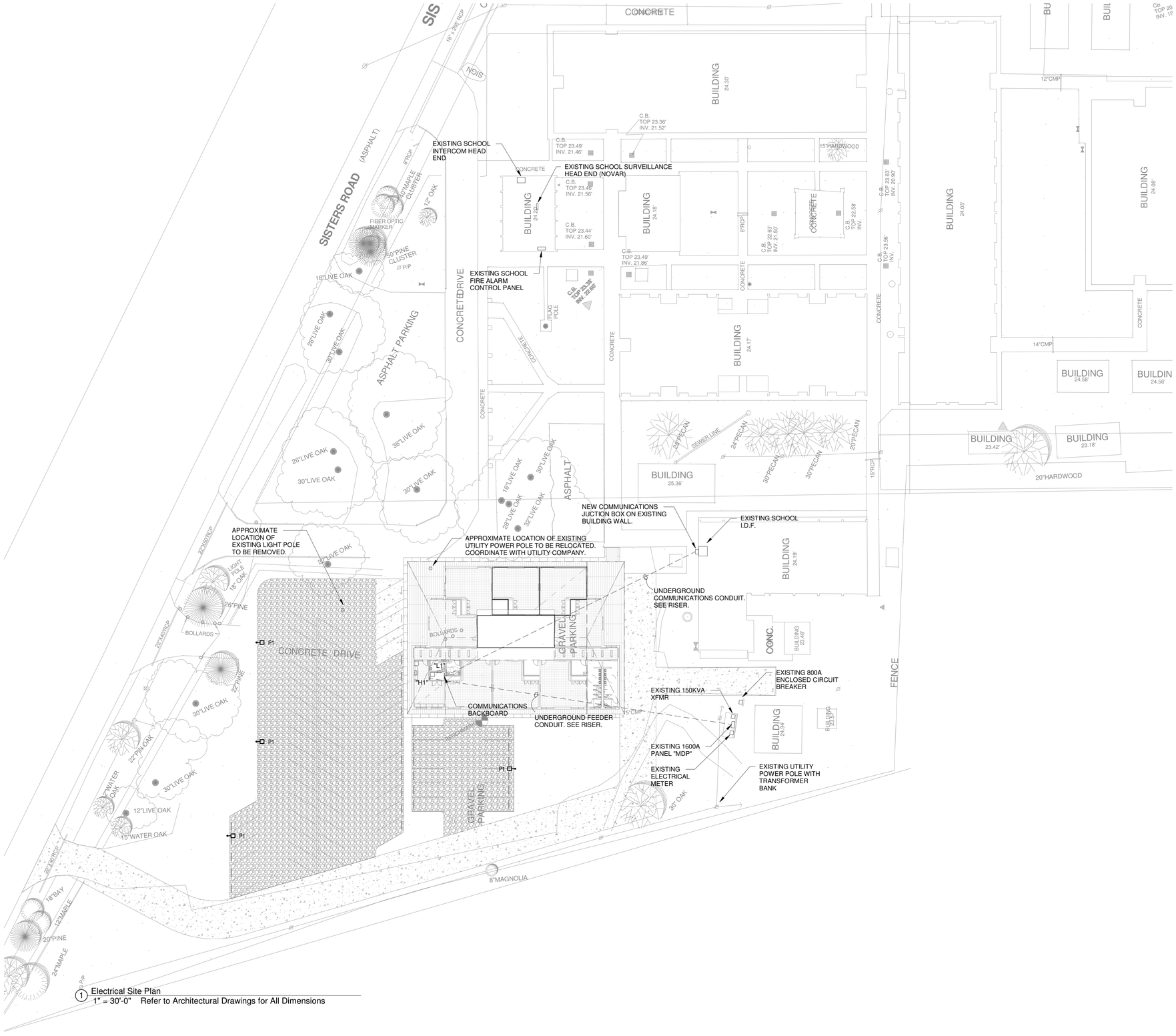

1 Electrical Site Plan
1" = 30'-0" Refer to Architectural Drawings for All Dimensions

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
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HOLLY & SMITH ARCHITECTS
HAMMOND
T 985.345.5210
NEW ORLEANS
T 504.585.1315
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DESIGN DEVELOPMENT

E101
ELECTRICAL SITE PLAN

H/S

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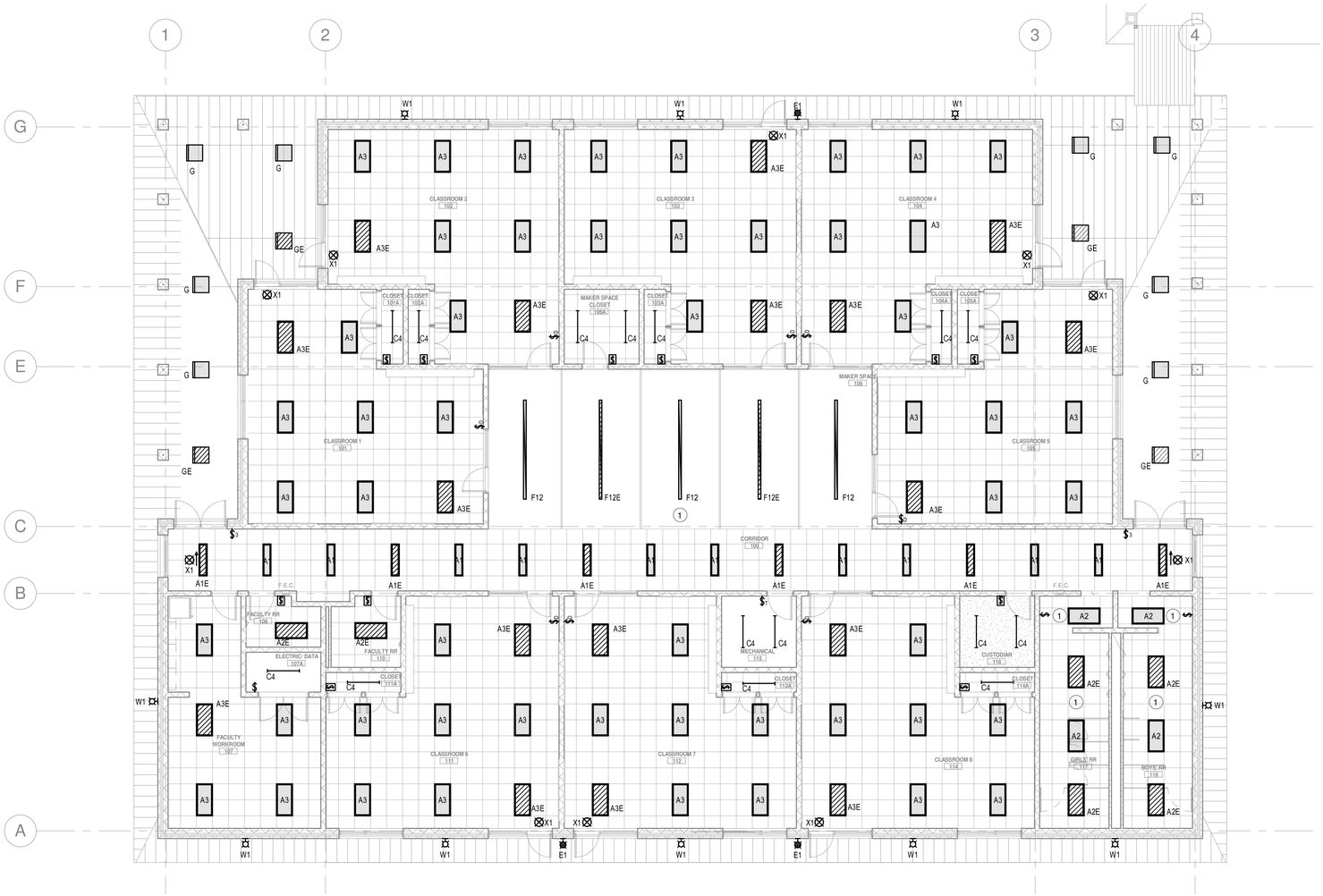
LIGHTING NOTES

1	THIS SPACE TO BE CONTROLLED BY CEILING MOUNTED OCCUPANCY SENSOR. PLACEMENT, QUANTITY AND TYPE TO BE DETERMINED BY MANUFACTURE. REFER TO ELECTRICAL SPECIFICATION 26 09 23.



1 Lighting Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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T 504.585.1315
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LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
davidc@meconsulting.com
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E201

LIGHTING PLAN

H/S

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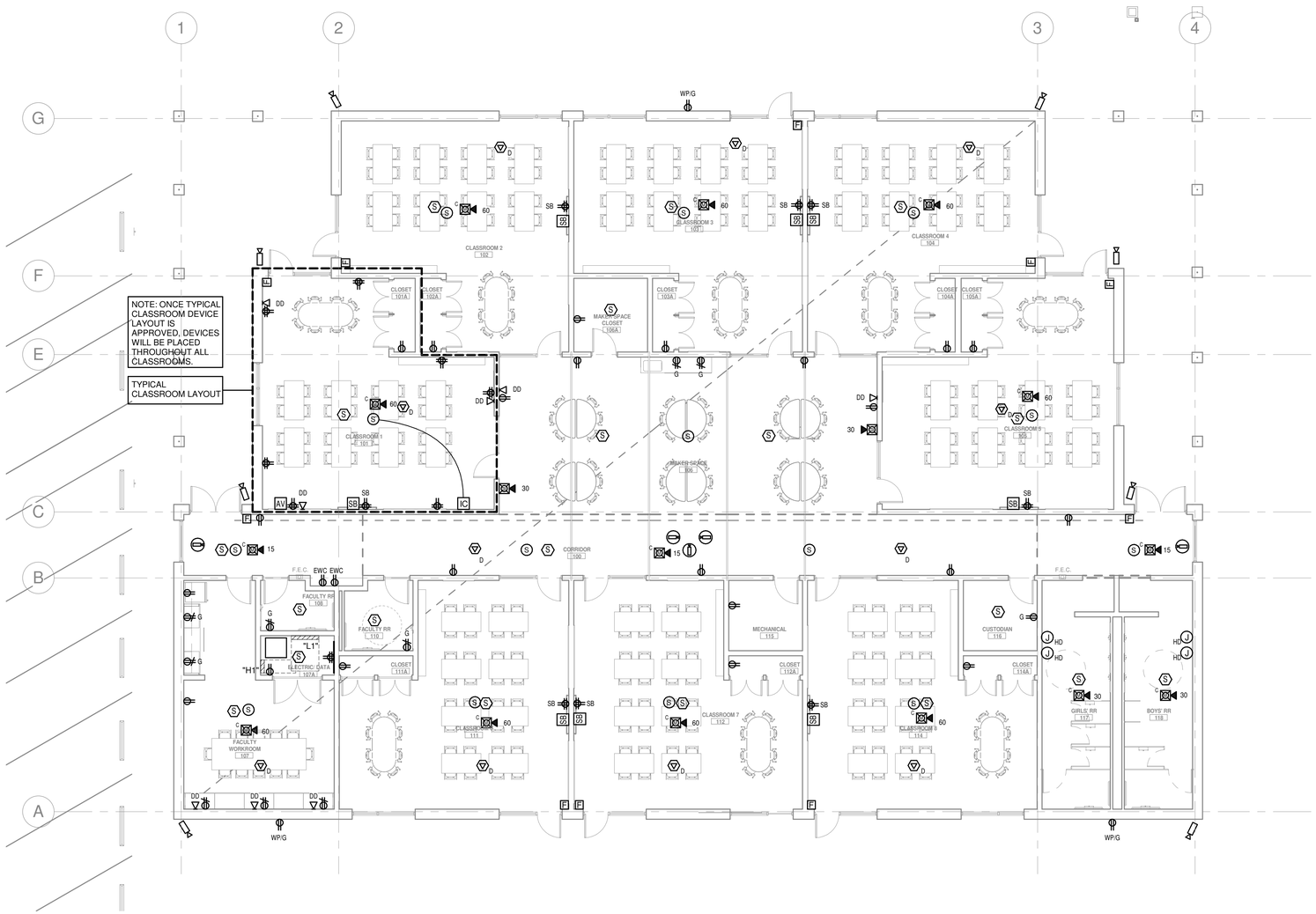

1 Power & Special Systems Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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HAMMOND
T 985.345.5210
NEW ORLEANS
T 504.585.1315
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LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21115.00

E301
POWER & SPECIAL SYSTEMS PLAN

H/S

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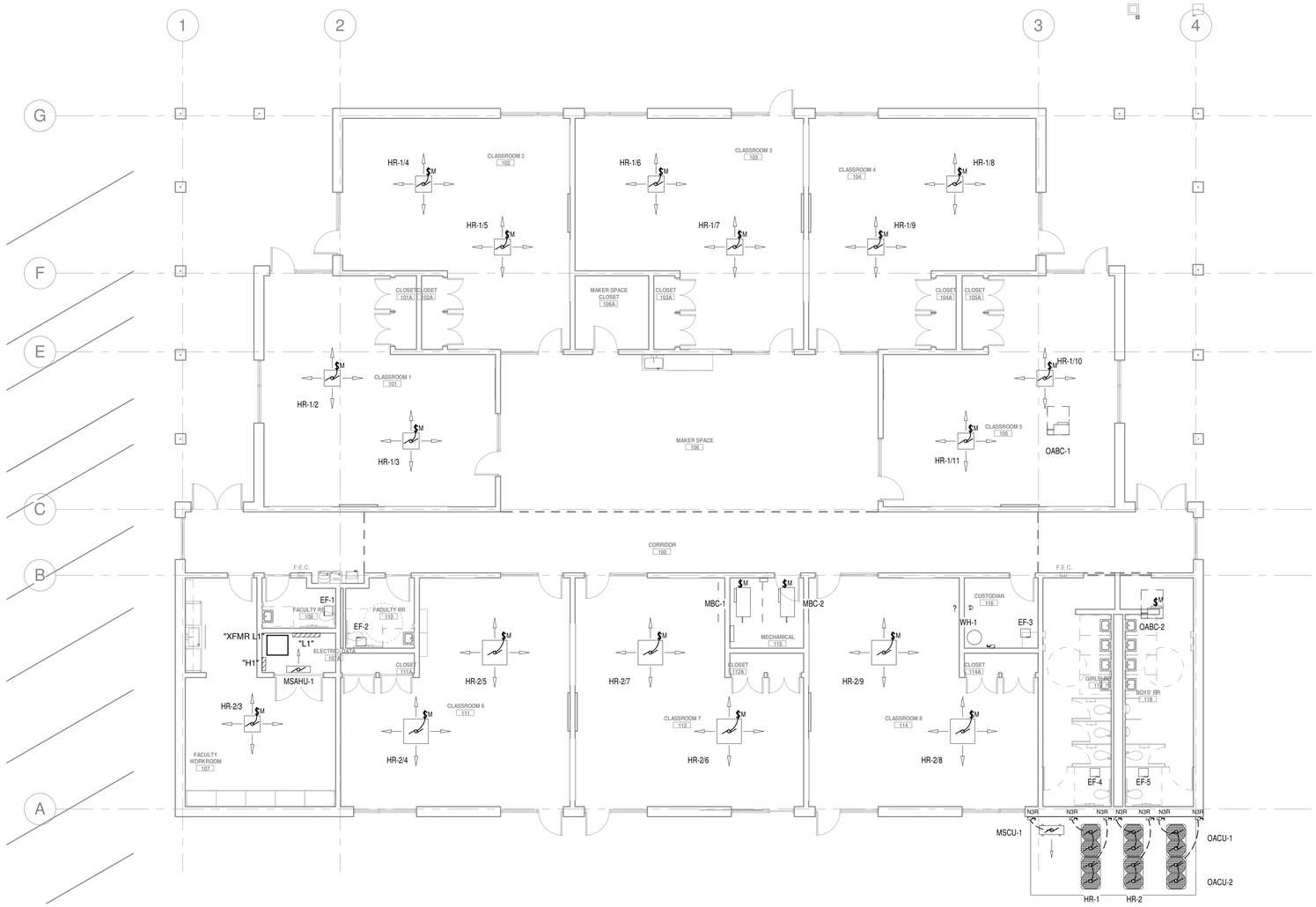

1 Mechanical Power Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

8/27/2021 11:41:07 AM

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1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
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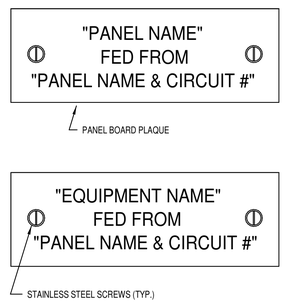
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21115.00

E401
MECHANICAL POWER PLAN

H/S

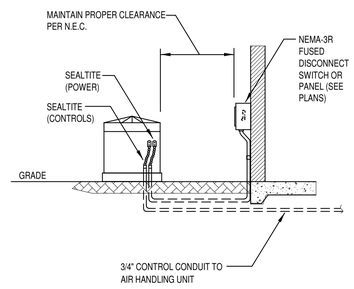
LIGHTING FIXTURE SCHEDULE

TYPE MARK	DESCRIPTION	LAMP No.	LAMP TYPE	VOLTS	MANUFACTURER	MODEL	COMMENTS
A1	1'x4' LED LAY-IN FLAT PANEL	-	LED	277	LITHONIA	EPANL-1X4-3000LM	
A1E	1'x4' LED LAY-IN FLAT PANEL W/ EMERGENCY BATTERY	-	LED	277	LITHONIA	EPANL-1X4-3000LM-EL7L	
A2	2'x4' LED LAY-IN FLAT PANEL	-	LED	277	LITHONIA	EPANL-2X4-4800LM	
A2E	2'x4' LED LAY-IN FLAT PANEL EMERGENCY BATTERY	-	LED	277	LITHONIA	EPANL-2X4-4800LM-EL7L	
A3	2'x4' LED LAY-IN FLAT PANEL	-	LED	277	LITHONIA	EPANL-2X4-6000LM	
A3E	2'x4' LED LAY-IN FLAT PANEL EMERGENCY BATTERY	-	LED	277	LITHONIA	EPANL-2X4-6000LM-EL7L	
C4	4' LED STRIP LIGHT	-	LED	277	LITHONIA	ZL1D-L48-5000LM	
E1	EXTERIOR EMERGENCY WALL LIGHT	-	LED	277	LITHONIA	AFF-OEL-FINISH-UVOLT-LTP-SDRT-WT	FINISH TO BE SELECTED BY ARCHITECT
F12	12' SUSPENDED LED LINEAR DIRECT/INDIRECT LIGHT	-	LED	277	PAL	MLS3-I/D-LED-HO/HO-K35/K35-80-12-CN	FINISH TO BE SELECTED BY ARCHITECT
F12E	12' SUSPENDED LED LINEAR DIRECT/INDIRECT LIGHT	-	LED	277	PAL	MLS3-I/D-LED-HO/HO-K35/K35-80-12-CN	FINISH TO BE SELECTED BY ARCHITECT
G	LED EXTERIOR CANOPY LIGHT	-	LED	277	LITHONIA		FINISH TO BE SELECTED BY ARCHITECT
GE	LED EXTERIOR CANOPY LIGHT WITH EMERGENCY BATTERY	-	LED	277	LITHONIA		FINISH TO BE SELECTED BY ARCHITECT
P1	LED POLE LIGHT	-	LED	277	LITHONIA	DSX1-LED-P3-40K-TFTM-MVOLT-FINISH | POLE: SSS-25	POLE AND FIXTURE FINISH TO BE SELECTED BY ARCHITECT
W1	LED EXTERIOR WALL PACK	-	LED	277	LITHONIA	WST-LED-P2-40K-VF-MVOLT-FINISH	FINISH TO BE SELECTED BY ARCHITECT
X1	SINGLE FACE EXIT LIGHT	-	LED	277	LITHONIA	LE-S-1-R-ELN	



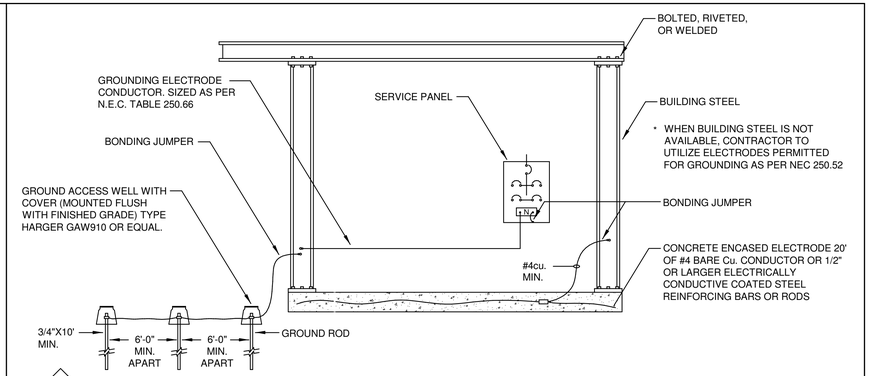
1 PANEL & EQUIPMENT SIGNAGE DETAIL

NO SCALE



2 CONDENSING UNIT DETAIL

NO SCALE



3 GROUNDING ELECTRODE SYSTEM AND BUSBAR DETAIL

NO SCALE

GENERAL NOTES:

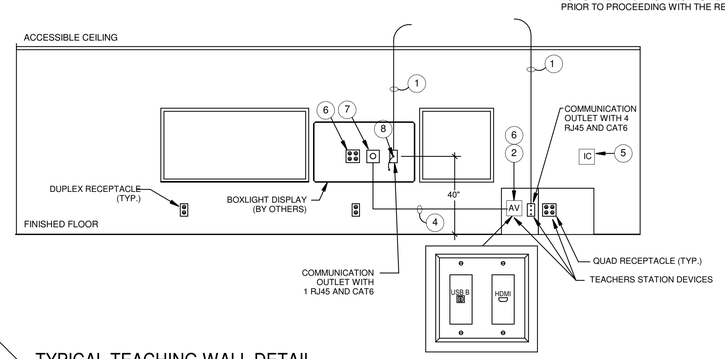
1.) ALL CABLES MUST BE COMPATIBLE FOR USE WITH OWNER'S BOXLIGHT DISPLAYS.

2.) USB CABLES SHOULD NOT EXTEND OVER 16'. USE USB OVER CAT6 WITH SUPERBOOSTERS IF NECESSARY (USB 2.0)

3.) CONTRACTOR SHALL PROVIDE A MOCK-UP OF A TEACHING WALL FOR OWNER AND ARCHITECT TO REVIEW PRIOR TO PROCEEDING WITH THE REST.

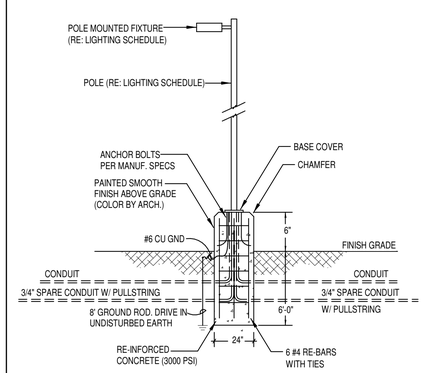
NOTES:

1. 1" CONDUIT WITH DATA CABLING PER DRAWINGS.
2. DEEP 4" SQUARE BOX WITH DOUBLE GANG RING AND RAPIDRUN OR EQUAL HDMI (LATEST STANDARD) WALL PLATE AND RAPIDRUN OR EQUAL USB 2.0 WALL PLATE.
3. DEEP 4" SQUARE BOX WITH DOUBLE GANG RING AND BLANK COVER PLATE.
4. 1 1/4" CONDUIT AND USB 2.0 CABLE WITH RAPIDRUN OR EQUAL HDMI CABLE (LATEST STANDARD) FOR CONNECTION BETWEEN TEACHER STATION AND BOX LIGHT DISPLAY WALL PLATE DEVICES. VERIFY CONDUIT IS SUFFICIENT FOR AV CABLING. ADD RACEWAY AND/OR BOX IF NECESSARY TO ACCOMODATE DEVICES AND CABLES.
5. COORDINATE FINAL MOUNTING HEIGHT/LOCATION OF INTERCOM WITH OWNER.
6. COORDINATE FINAL MOUNTING HEIGHT/LOCATION OF DEVICES FOR BOX LIGHT DISPLAY AND TEACHER STATION DEVICES WITH OWNER/ARCHITECT.
7. MIDLITE OR EQUAL GROMMET COVERPLATE. CABLES WILL NOT TERMINATE AT COVERPLATE. DIRECT CONNECT MALE CONNECTORS TO UNIT.
8. CAT6 PATCH CABLE FOR CONNECTION TO BOXLIGHT DISPLAY.



4 TYPICAL TEACHING WALL DETAIL

NO SCALE



5 POLE FOUNDATION DETAIL

NO SCALE

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1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
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HOLLY & SMITH ARCHITECTS
HAMMOND
T 985.345.5210
NEW ORLEANS
T 504.585.1315
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DESIGN DEVELOPMENT

E501

ELECTRICAL SCHEDULES & DETAILS

H/S

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Branch Panel: L1

Location: ELECTRIC/ DATA 107A **Volts:** 120/208 Wye **A.I.C. Rating:**
Mounting: Surface **Phases:** 3 **Mains Type:**
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 100 A

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Trip	Poles	Wire	Gnd.	C.	A	B	C	C.	Gnd.	Wire	Poles	Trip	Circuit Description	#	Notes
	1																2	
	3																4	
	5																6	
	7																8	
	9																10	
	11																12	
	13																14	
	15																16	
	17																18	
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	71																72	
	73																74	
	75																76	
	77																78	
	79																80	
	81																82	
	83																84	

	A	B	C
Total Load:	0 kVA	0 kVA	0 kVA
Total Amps:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Panel Schedule Notes: (Notes below do not necissarily appear in panel schedule)

1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS....

Branch Panel: H1

Location: ELECTRIC/ DATA 107A **Volts:** 480/277 Wye **A.I.C. Rating:**
Mounting: Surface **Phases:** 3 **Mains Type:**
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 100 A

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Trip	Poles	Wire	Gnd.	C.	A	B	C	C.	Gnd.	Wire	Poles	Trip	Circuit Description	#	Notes
	1																2	
	3																4	
	5																6	
	7																8	
	9																10	
	11																12	
	13																14	
	15																16	
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	31																32	
	33																34	
	35																36	
	37																38	
	39																40	
	41																42	

	A	B	C
Total Load:	0 kVA	0 kVA	0 kVA
Total Amps:	0 A	0 A	0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 kVA
				Total Est. Demand:	0 kVA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Panel Schedule Notes: (Notes below do not necissarily appear in panel schedule)

1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS....

1304 BERTRAND DRIVE SUITE F7
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DESIGN DEVELOPMENT

E601

ELECTRICAL PANEL SCHEDULES

H/S

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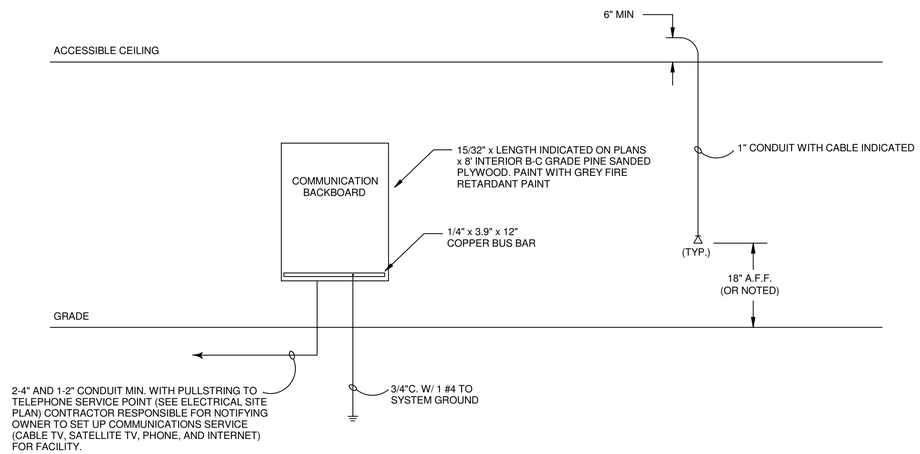
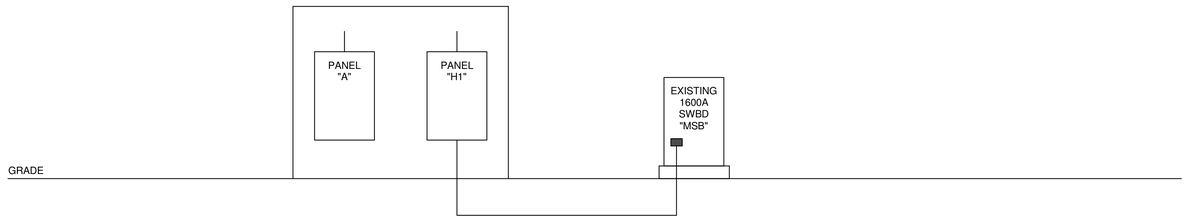


COMMUNICATIONS RISER
NO SCALE

LOAD SUMMARY			120/208 3□ 4W
SERVING	CONNECTED (KVA)	MULTIPLIER	DEMAND (KVA)
LIGHTING	.	1.25	.
OUTLETS	.	[(X-10)/2]+10	.
WATER HEATER	.	1.0	.
AIR HANDLING UNIT	.	1.0	.
CONDENSING UNITS	.	0	.
MISCELLANEOUS	.	1.0	.
		TOTAL KVA =	.
		TOTAL AMPS =	.

ELECTRICAL RISER NOTES:

1. COORDINATE ALL ASPECTS OF SERVICE AND METERING WITH POWER COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE METERING C.T. CABINETS AND UNISTRUT RACK(S) IN CONCRETE FOOTINGS.
2. 2-4" PRIMARY CONDUITS WITH PULL STRING BY ELECTRICAL CONTRACTOR PER POWER COMPANY REQUIREMENTS.
3. TRANSFORMER PAD BY ELECTRICAL CONTRACTOR PER POWER COMPANY SPECIFICATIONS. ELEVATION TO BE SAME AS BUILDING PAD ELEVATION.
4. TRANSFORMER BY POWER COMPANY.
5. REFER TO PANEL SCHEDULES FOR FEEDER SIZES, INSTALL PROPERLY SIZED NEUTRALS AND GROUNDING CONDUCTORS WITH ALL FEEDERS.
6. ___CU. GROUND IN 3/4" CONDUIT TO (3)3/4"x10' COPPER CLAD GROUND RODS, BUILDING STEEL, AND CONCRETE REINFORCEMENT RODS. (SEE DETAIL)
7. ___" CONDUIT WITH ___ TO BUILDING STEEL PER N.E.C. AND DETAIL.
8. THE CONTRACTOR SHALL LABEL THE MAIN SERVICE DISCONNECTING MEANS WITH THE MAXIMUM AVAILABLE FAULT CURRENT, AND IT SHALL BE LISTED ON THE DEVICE TO MEET THE REQUIREMENTS OF NFPA 70:110.24. THE LABELING SHALL BE ENGRAVED PLASTIC. THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE OBTAINED FROM THE ELECTRICAL UTILITY COMPANY FOR THE SECONDARY SIDE OF THE UTILITY TRANSFORMER.



ELECTRICAL RISER
NO SCALE

M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21115.00

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

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18026 SISTER'S ROAD, PONTCHATOULA, LA

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NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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DESIGN DEVELOPMENT

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ELECTRICAL RISERS

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DEFINE

MECHANICAL ABBREVIATIONS

AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
C	CONDENSATE
CFM	CUBIC FEET PER MINUTE
CT	CHILLER
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
COP	COEFFICIENT OF PERFORMANCE
CT	COOLING TOWER
CU	CONDENSING UNIT
CV	CONSTANT VOLUME
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
DB	DRY BULB
DOAS	DEDICATED 100% OUTSIDE AIR UNIT
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECO	EXTERIOR CLEANOUT
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FFE	FINISHED FLOOR ELEVATION
FPI	FINS PER INCH
HP	HORSEPOWER
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
KH	KITCHEN HOOD
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MVD	MANUAL VOLUME DAMPER
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
NTS	NOT TO SCALE
NC	NOISE CRITERIA
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PD	PRESSURE DROP
PHWR	PLANT HEATING HOT WATER RETURN
PHWS	PLANT HEATING HOT WATER SUPPLY
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP A/C UNIT
SA	SUPPLY AIR
SD	STORM DRAIN
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY FAN
SP	STATIC PRESSURE
SWR	SIDE WALL REGISTER
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
WB	WET BULB
WG	WATER GAGE
WPD	WATER PRESSURE DROP

DESIGN

MECHANICAL LEGEND

GRILLES, REGISTERS, DIFFUSERS, AND LOUVERS

EXISTING	DEMO	NEW	DESCRIPTION
		A100	GRILLE DESIGNATION AND CFM
			SURFACE MOUNT
			LAY-IN SUPPLY CEILING DIFFUSER
			SUPPLY WALL DIFFUSER
			LINEAR SLOT DIFFUSER
			RETURN/EXHAUST CEILING GRILLE
			RETURN/EXHAUST WALL GRILLE
			EXHAUST LOUVER
			EXHAUST WALL CAP
			GRAVITY RELIEF HOOD
			INTAKE LOUVER
			INTAKE WALL CAP
			GRAVITY INTAKE HOOD

DUCTWORK

EXISTING	DEMO	NEW	DESCRIPTION
			RECTANGULAR DUCTWORK. REFER TO PLANS FOR SIZE.
			ROUND DUCTWORK. REFER TO PLANS FOR SIZE.
			ROUND DUCTWORK DROP/RISE.
			DUCT DROP/RISE

PIPING

EXISTING	DEMO	NEW	DESCRIPTION
CWS	CWS	CWS	CHILLED WATER SUPPLY PIPING
CWR	CWR	CWR	CHILLED WATER RETURN PIPING
HWS	HWS	HWS	HOT WATER SUPPLY PIPING
HWR	HWR	HWR	HOT WATER RETURN PIPING
CS	CS	CS	CONDENSER WATER SUPPLY PIPING
CR	CR	CR	CONDENSER WATER RETURN PIPING

DAMPERS

EXISTING	DEMO	NEW	DESCRIPTION
			BALANCING DAMPER
M	M	M	MOTORIZED DAMPER
FD	FD	FD	FIRE DAMPER
SD	SD	SD	SMOKE DAMPER
FDSD	FDSD	FDSD	FIRE & SMOKE DAMPER

NOTES:
1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED.
2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION".
3. REFER TO SCHEDULES FOR GRILLE, REGISTER, DIFFUSER, AND LOUVER SIZES.
4. REFER TO DRAWINGS FOR DIRECTION OF AIRFLOW FOR DIFFUSERS. IF DIRECTIONAL ARROWS ARE NOT INCLUDED, AIRFLOW IS IN FOUR DIRECTIONS. (4-WAY GRILLE)
5. WALL MOUNTED CONTROL DEVICES SHALL BE MOUNTED AT 48" A.F.F.
6. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.

EQUIPMENT

EXISTING	DEMO	NEW	DESCRIPTION
			MECHANICAL EQUIPMENT. REFER TO SCHEDULES
			IONIZATION UNIT
SD	SD	SD	SMOKE DETECTOR
MP	MP	MP	MANUAL PULL STATION

CONTROLS

EXISTING	DEMO	NEW	DESCRIPTION
T	T	T	THERMOSTAT
H	H	H	HUMIDISTAT
S	S	S	SENSOR
P	P	P	STATIC PRESSURE SENSOR
RS	RS	RS	REMOTE TEMPERATURE SENSOR
$	$	$	WALL SWITCH
			CONTROL WIRING

DELIVER

MECHANICAL GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
3. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
4. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
5. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
6. VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF DUCTWORK AND PIPING PRIOR TO FABRICATION. AS MINOR MODIFICATIONS SUCH AS DUCT AND/OR PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, SPRINKLER, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
7. MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
8. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
9. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA EQUIREMENTS FOR THE PENETRATION.
10. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
11. MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
12. COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
13. COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, DIFFUSER, GRILLES, LOUVERS, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
14. SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
15. INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
16. ROUTE DUCT AND PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
17. DOCUMENT LOCATIONS OF DEVICES, DUCT, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
18. PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
19. HVAC SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 90A AND NFPA 101.
20. WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.

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CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval
dustin@meconsulting.com
Electrical David Carroll
david@meconsulting.com
PROJECT No.: 21115.00

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

DC REEVES ELEMENTARY SCHOOL
CLASSROOM WING ADDITION
18026 SISTER'S ROAD, PONTCHATOULA, LA

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NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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MECHANICAL LEGEND & NOTES

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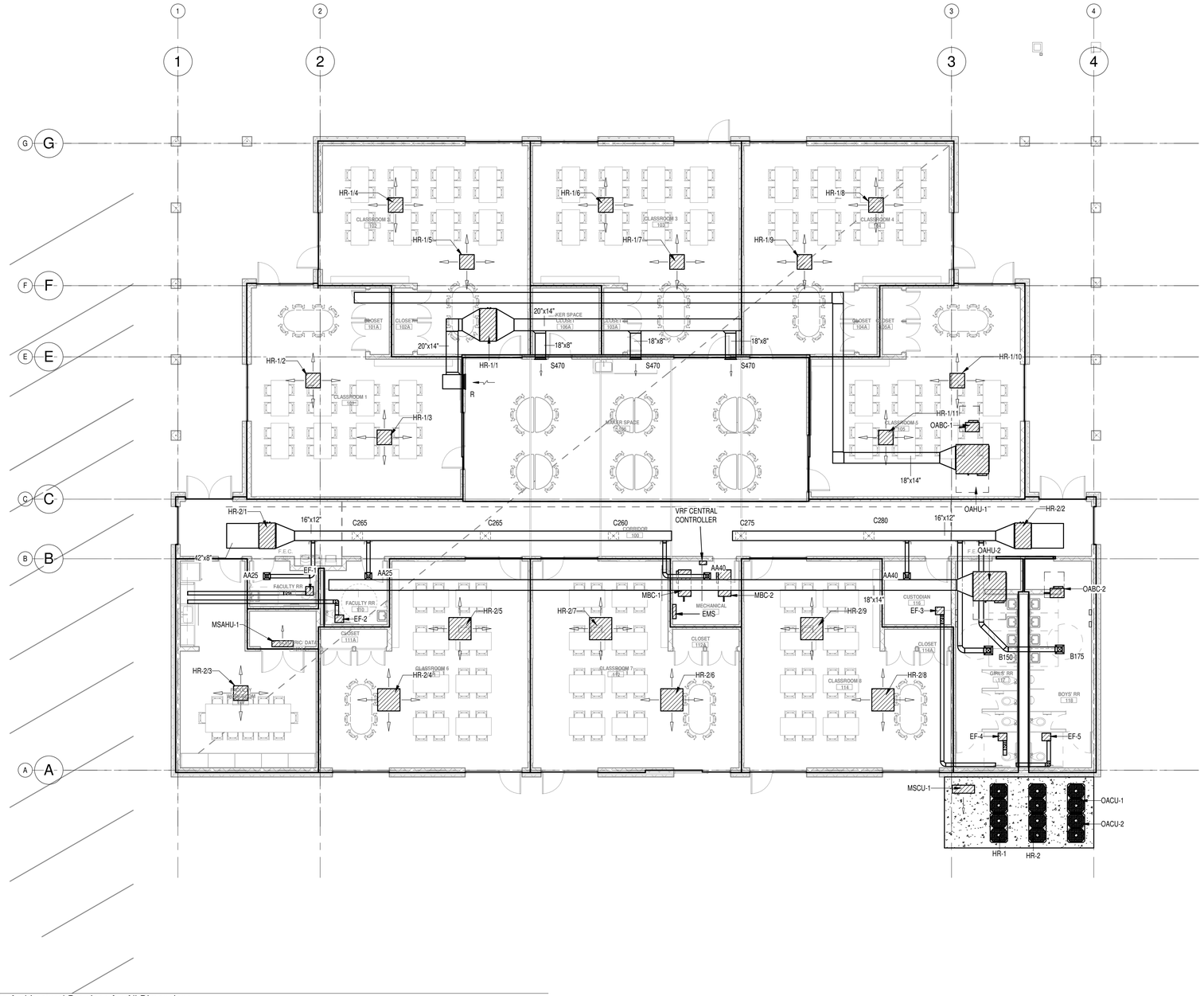

1 Mechanical Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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

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DESIGN DEVELOPMENT

M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval
dustin@meconsulting.com
Electrical David Carroll
david@meconsulting.com
PROJECT No.: 21115.00

M201
MECHANICAL PLAN

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BRANCH CONTROLLER SCHEDULE

UNIT NO.	SERVICE	PORTS	VOLTAGE	PHASE	F.L.A.	M.C.A.	BASIS OF DESIGN
MBC-1	HR-1	16	208	1	1.25	1.57	MITSUBISHI CITY MULTI CMB-P1016NU-JA1
MBC-2	HR-2	16	208	1	1.25	1.57	MITSUBISHI CITY MULTI CMB-P1016NU-JA1
OABC-1	OACU-1	6	208	1	0.44	0.55	MITSUBISHI CITY MULTI CMB-P106NU-J1
OABC-2	OACU-2	6	208	1	0.44	0.55	MITSUBISHI CITY MULTI CMB-P106NU-J1

VARIABLE REFRIGERANT FLOW (VRF) - HEAT RECOVERY - OUTDOOR UNIT SCHEDULE

GROUP NO.	CITY-MULTI UNIT NO. (OPTION#1)	SERVICE	COOLING		HEATING				ELECTRICAL						REFRIGERANT TYPE	SOUND LEVEL* dB(A)	BASIS OF DESIGN
			MIN. BTU/H OUTPUT	AMBIENT TEMP. (°F)	MIN BTU/H OUTPUT	INDOOR TEMP. (°F)	OUTDOOR TEMP. (°F)		VOLTAGE	PHASE	MCA		MOCP				
							D.B.	W.B.			CIRC. 1	CIRC. 2	CIRC. 1	CIRC. 2			
HR-1	HR-1A & HR-1B	CLASSROOMS/MAKER SPACE	192000	95	215000	70	47	43	480	3	15	15	20	20	R-410A	63/66	MITSUBISHI CITY MULTI PURY-P192YSNU-A
HR-2	HR-2A & HR-2B	CLASSROOMS/TEACHER/CORRIDOR	192000	95	215000	70	47	43	480	3	15	15	20	20	R-410A	63/66	MITSUBISHI CITY MULTI PURY-P192YSNU-A

VARIABLE REFRIGERANT FLOW (VRF) - HEAT RECOVERY - INDOOR UNIT SCHEDULE

UNIT NO.	SERVICE	UNIT TYPE	BC/BS CONTROLLER	FAN CFM		COOLING			HEATING		ELECTRICAL			SOUND LEVEL dB (A)		CONTROL	BASIS OF DESIGN
				HIGH	LOW	MIN. BTU/H OUTPUT	E.A.T. (°F) D.B.	E.A.T. (°F) W.B.	MIN. BTU/H OUTPUT	INDOOR TEMP (°F)	MCA	VOLTAGE	PHASE	HIGH	LOW		
HR-1/1		CONCEALED DUCTED	MBC-1	1412	998	48000	80	67	54000	70	3.4	208	1	44	35	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PEFY-P48NMAU-E3
HR-1/2		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/3		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/4		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/5		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/6		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/7		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/8		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/9		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/10		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-1/11		CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-2/1		CONCEALED DUCTED	MBC-2	883	618	27000	80	67	30000	70	2.73	208	1	39	30	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PEFY-P27NMAU-E3
HR-2/2		CONCEALED DUCTED	MBC-2	883	618	27000	80	67	30000	70	2.73	208	1	39	30	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PEFY-P27NMAU-E3
HR-2/3		CEILING RECESSED	MBC-2	460	315	18000	80	67	20000	70	0.9	208	1	40	31	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-P18NFMU-E
HR-2/4		CEILING RECESSED	MBC-2	777	494	24000	80	67	27000	70	0.7	208	1	37	28	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-EP24NEMU-E
HR-2/5		CEILING RECESSED	MBC-2	777	494	24000	80	67	27000	70	0.7	208	1	37	28	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-EP24NEMU-E
HR-2/6		CEILING RECESSED	MBC-2	777	494	24000	80	67	27000	70	0.7	208	1	37	28	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-EP24NEMU-E
HR-2/7		CEILING RECESSED	MBC-2	777	494	24000	80	67	27000	70	0.7	208	1	37	28	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-EP24NEMU-E
HR-2/8		CEILING RECESSED	MBC-2	777	494	24000	80	67	27000	70	0.7	208	1	37	28	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-EP24NEMU-E
HR-2/9		CEILING RECESSED	MBC-2	777	494	24000	80	67	27000	70	0.7	208	1	37	28	WALL MOUNTED CONTROLLER	MITSUBISHI CITY MULTI PLFY-EP24NEMU-E

OPTION #1 - VARIABLE REFRIGERANT FLOW (VRF) - 100% OUTSIDE AIR - OUTDOOR UNIT SCHEDULE

UNIT NO.	SERVICE	COOLING		HEATING				ELECTRICAL					REFRIGERANT TYPE	SOUND LEVEL* dB (A)	BASIS OF DESIGN
		MIN. BTU/H OUTPUT	AMBIENT TEMP. (°F)	MIN BTU/H OUTPUT	INDOOR TEMP. (°F)	OUTDOOR TEMP (°F)		VOLTAGE	PHASE	MCA	MOCP	EER			
						DB	WB								
OACU-1		120000	95	135000	70	47	43	480	3	18	25	12.1	R-410A	60	MITSUBISHI CITY-MULTI PURY-P120YNU-A
OACU-2		120000	95	135000	70	47	43	480	3	18	25	12.1	R-410A	60	MITSUBISHI CITY-MULTI PURY-P120YNU-A

OPTION #1 - VARIABLE REFRIGERANT FLOW (VRF) - 100% OUTSIDE AIR - INDOOR UNIT SCHEDULE

UNIT NO.	SERVICE	BC CONTROLLER	FAN		COOLING			HEATING				ELECTRICAL					SOUND LEVEL dB (A)		BASIS OF DESIGN
			CFM	E.S.P.	MIN. BTU/H OUTPUT	E.A.T. (°F) D.B.	E.A.T. (°F) W.B.	MIN. BTU/H OUTPUT	E.A.T.	L.A.T.	REHEAT MIN. BTU/H OUTPUT	VOLTAGE	PHASE	F.L.A.	M.C.A.	M.O.C.P.	LOW	HIGH	
OAHU-1		OABC-1	1200	0.8	112000	95	80	61400	20	67	24200	208	1	3.19	3.99	15	36	41	MITSUBISHI CITY MULTI PEFY-AF1200CFMR
OAHU-2		OABC-2	1200	0.8	112000	95	80	61400	20	67	24200	208	1	3.19	3.99	15	36	41	MITSUBISHI CITY MULTI PEFY-AF1200CFMR

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

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M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
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dustin@meconsulting.com
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M401

MECHANICAL SCHEDULE

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DUCTLESS DX MINI-SPLIT - OUTDOOR UNIT SCHEDULE

UNIT NO.	SERVICE	MIN. BTU/H OUTPUT	AMB. TEMP. (F°)	VOLTAGE	PHASE	MCA	S.E.E.R.	BASIS OF DESIGN
MSCU-1	ELECTRIC/DATA 107A	12000	95	208	1	13	19	MITSUBISHI PUY-A12NKA7 (COOLING ONLY)

DUCTLESS DX MINI-SPLIT - INDOOR UNIT SCHEDULE

UNIT NO.	SERVICE	FAN					COOLING				BASIS OF DESIGN
		FAN CFM		UNIT MCA	VOLTAGE	PHASE	MIN. BTU/H OUTPUT	AMB. TEMP. (°F)	EAT (°F)		
		HIGH	LOW						DB	WB	
MSAHU-1	ELECTRIC/DATA 107A	425	320	1	208	1	12000	95	80	67	MITSUBISHI PKA-A12HA7

FAN SCHEDULE

UNIT NO.	SERVICE	MIN. CFM	EXT. S.P.	RPM	SONES	FAN H.P.	TYPE	DRIVE	ELECTRICAL SERVICE	CONTROL	BASIS OF DESIGN
EF-1	FACULTY RR 108	50	0.25	652	1.4	25W	CEILING	DIRECT	120-1-60	SWITCH W/ LIGHTS	COOK GC-128
EF-2	FACULTY RR 110	50	0.25	652	1.4	25W	CEILING	DIRECT	120-1-60	SWITCH W/ LIGHTS	COOK GC-128
EF-3	CUSTODIAN 116	100	0.25	706	1.5	128W	CEILING	DIRECT	120-1-60	WALL SWITCH	COOK GC-148
EF-4	GIRLS RR 117	200	0.25	1021	4.5	85W	CEILING	DIRECT	120-1-60	SWITCH W/ LIGHTS	COOK GC-186
EF-5	BOYS RR 118	200	0.25	1021	4.5	85W	CEILING	DIRECT	120-1-60	SWITCH W/ LIGHTS	COOK GC-186

DIFFUSER/GRILLE SCHEDULE

SYMBOL	SIZE	SERVICE	LOCATION	FINISH	O.B.D.	BASIS OF DESIGN
AA						
B						
C						
R						
S						

LOUVER SCHEDULE

SYMBOL	SERIVICE	BLADE ORIENTATION	BPWP (FPM)	SIZE (W"XH"XD")	DESIGN FLOW (CFM)	FREE AREA MIN (SF)	AIR VEL. (FPM)	AIR P.D. (IN. WC)	AMCA 540/550	SCREEN (BIRD/INSECT)	BASIS OF DESIGN

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval
dustin@meconsulting.com
Electrical David Carroll
davidd@meconsulting.com
CONSULTING
PROJECT No.: 21115.00

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

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NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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DESIGN DEVELOPMENT

M402

MECHANICAL SCHEDULE

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DEFINE

PLUMBING ABBREVIATIONS

AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AV	ACID VENT
AW	ACID WASTE
BOP	BOTTOM OF PIPE
BP	BACKFLOW PREVENTER
BT	BATH TUB
BTUH	BRITISH THERMAL UNITES PER HOUR
C	CONDENSATE DRAIN LINE
CA	COMPRESSED AIR LINE
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CO	CLEANOUT
CSS	CLINIC SERVICE SINK
CP	CIRCULATING WATER PUMP
D	DRAIN LINE
DF	DRINKING FOUNTAIN
DCW	DOMESTIC COLD WATER LINE
DHR	DOMESTIC HOT WATER RETURN LINE
DHW	DOMESTIC HOT WATER LINE
DS	DRENCH SHOWER
DSEW	DRENCH SHOWER WITH EYE WASH
DT	DILUTION TRAP
DW	DISHWASHER
ET	EXPANSION TANK
EW	EYE WASH
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FS	FLOOR SINK
GD	GARBAGE DISPOSAL
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
GWH	GAS FIRED WATER HEATER
HB	HOSE BIB
HD	HUB DRIAN
HP	HORSE POWER
HS	HOSE STATION
HW	HAND WASH
ICE	ICE MACHINE WATER CONNECTION
L	LAVATORY
LS	LIFT STATION (SANITARY SEWER)
MH	MANHOLE
MV	MIXING VALVE
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
NTS	NOT TO SCALE
P	PUMP
PIV	POST INDICATING VALVE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
PT	PLASTER TRAP
REF	REFRIGERATOR WATER CONNECTION BOX
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY SEWER
SD	STORM DRAIN
SF	SQUARE FOOT
SH	SHOWER
SK	SINK
SMH	SEWER MANHOLE
SS	SERVICE SINK
STP	SEWER TREATMENT PLANT
TD	TRENCH DRAIN
TP	TRAP PRIMER
TYP	TYPICAL
U	URINAL
UNO	UNLESS NOTED OTHERWISE
V	VENT
VAC	VACUUM
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
W	WASHER WATER/DRAIN CONNECTION LINE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WG	WATER GAGE
WP	WHIRL POOL
ZVB	ZONE VALVE BOX (MEDICAL GAS)

DESIGN

PLUMBING LEGEND

PIPING

EXISTING	DEMO	NEW	DESCRIPTION
	DCW		DOMESTIC COLD WATER LINE
	DHW		DOMESTIC HOT WATER LINE (110°)
	DHR		DOMESTIC HOT WATER RETURN LINE
(X°F)	(X°F)	(X°F)	DOMESTIC HOT WATER LINE (X=TEMP.)
			SANITARY SEWER LINE (SAN)
V	V	V	SANITARY SEWER VENT LINE
SD	SD	SD	STORM DRAIN LINE (PRIMARY)
OSD	OSD	OSD	OVERFLOW STORM DRAIN LINE (SECONDARY)
C	C	C	CONDENSATE DRAIN LINE
GW	GW	GW	GREASE WASTE DRAIN LINE
AW	AW	AW	ACID WASTE DRAIN LINE
F	F	F	FIRE MAIN WATER LINE
S	S	S	SPRINKLER LINE
G	G	G	NATURAL GAS LINE
LP	LP	LP	PROPANE GAS LINE
CA	CA	CA	COMPRESSED AIR LINE
RO	RO	RO	REVERSE OSMOSIS PURE WATER SUPPLY LINE
ROR	ROR	ROR	REVERSE OSMOSIS PURE WATER RETURN LINE
DI	DI	DI	DIONIZED PURE WATER SUPPLY LINE
O	O	O	OXYGEN LINE (MEDICAL)
VAC	VAC	VAC	VACUUM LINE (MEDICAL)
N	N	N	NITROGEN LINE (MEDICAL)
NO	NO	NO	NITROUS OXIDE (MEDICAL)
MA	MA	MA	AIR (MEDICAL)
WAGD	WAGD	WAGD	WASTE ANESTHETIC GAS DISPOSAL

PIPE FITTING

EXISTING	DEMO	NEW	DESCRIPTION
			CAPPED PIPE
			PIPE RISE
			PIPE DROP
			UNION
			DIRECTION OF FLOW
			PIPE SUPPORT OR BRACING
			PIPE CONNECTION (TOP)
			PIPE CONNECTION (BOTTOM)
			PIPE CONNECTION (SIDE)
			CAPPED OUTLET TOP
			PIPE REDUCER AND/OR INCREASER

VALVES

EXISTING	DEMO	NEW	DESCRIPTION
			BALL VALVE (SHUT-OFF)
			BALL VALVE (SHUT-OFF)
			SHUT-OFF VALVE IN CAST IRON VALVE BOX
			CALIBRATED BALANCING VALVE
			CHECK VALVE
			OS&Y VALVE
			GAS COCK
			BUTTERFLY VALVE
			VALVE IN RISE
			2-WAY CONTROL VALVE
			3-WAY CONTROL VALVE

EQUIPMENT

EXISTING	DEMO	NEW	DESCRIPTION
			PLUMBING FIXTURES
M	M	M	METER
			REGULATOR

SYMBOL (MISC.)

EXISTING	DEMO	NEW	DESCRIPTION
			CONNECT TO EXISTING SERVICES

NOTES:
1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED..
2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION". REFER TO SCHEDULES AND SPECIFICATIONS FOR PLUMBING FIXTURES.
3. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.

DELIVER

PLUMBING GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
3. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
4. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
5. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
6. VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF PIPING PRIOR TO FABRICATION, AS MINOR MODIFICATIONS SUCH AS PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, SPRINKLER, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
7. MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
8. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
9. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
10. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
11. MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
12. COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
13. COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
14. SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
15. INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
16. ROUTE PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
17. DOCUMENT LOCATIONS OF DEVICES, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
18. PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
19. WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.
20. ALL EXPOSED DOMESTIC COLD AND HOT WATER PIPING WITHIN THE BUILDING SHALL HAVE FIELD INSTALL PVC JACKET.
21. WATER HAMMER ARRESTER(S) SHALL BE INSTALLED ON PIPING SYSTEMS AND AT QUICK-CLOSING VALVES AS PER MANUFACTURER'S RECOMMENDATIONS.

meconsulting.com

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval
dustin@meconsulting.com
Electrical David Carroll
david@meconsulting.com
CONSULTING
PROJECT No.: 21115.00

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

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QUALITY CONTROL	Checker

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DESIGN DEVELOPMENT

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PLUMBING LEGEND

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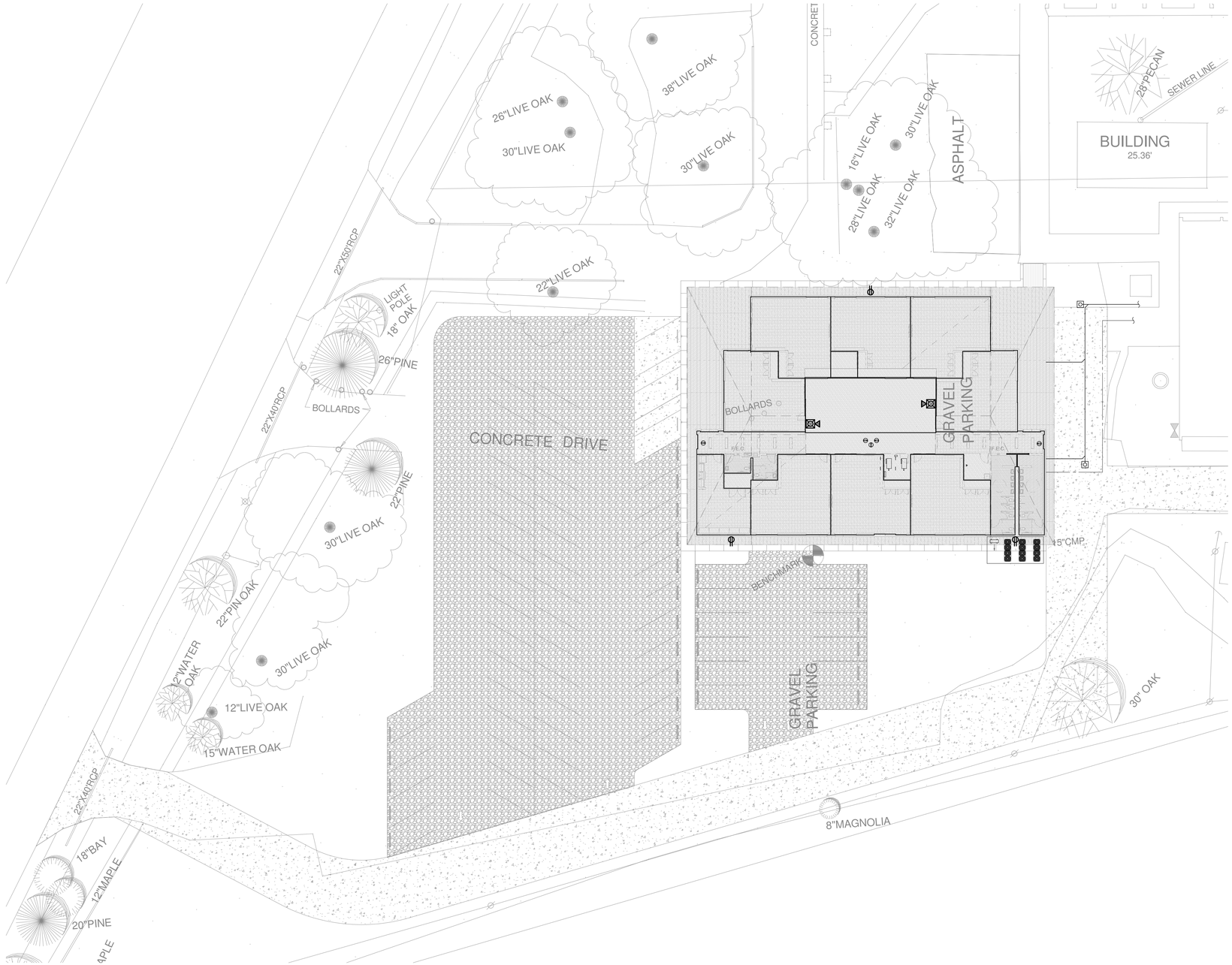

1 Plumbing Site Plan
1" = 20'-0" Refer to Architectural Drawings for All Dimensions

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HAMMOND
T 985.345.5210
NEW ORLEANS
T 504.585.1315
www.hollyandsmith.com

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CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval
dustin@meconsulting.com
Electrical David Carroll
david@meconsulting.com
PROJECT No.: 21115.00

P101
PLUMBING SITE PLAN

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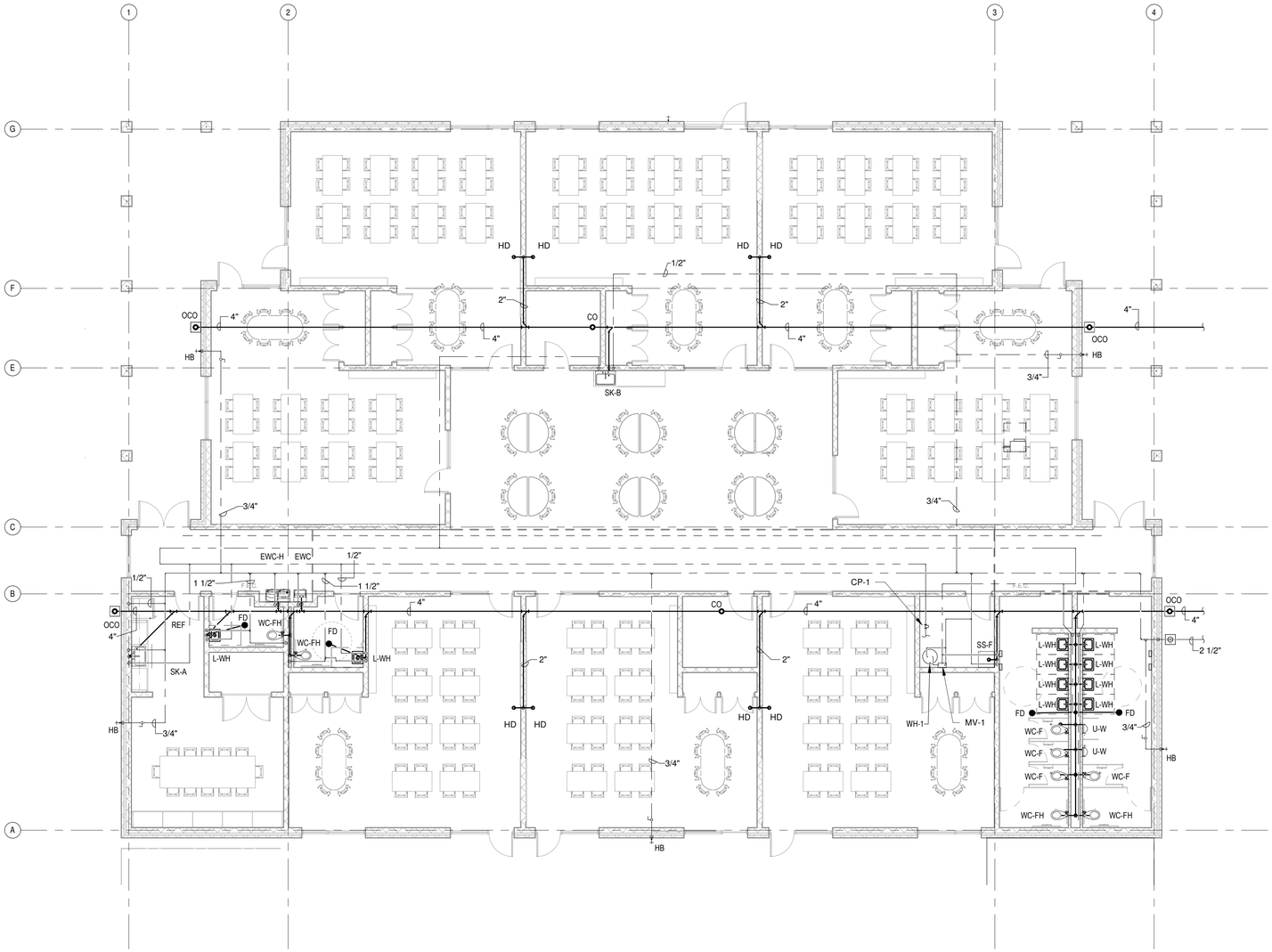

1 Plumbing Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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T 504.585.1315
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M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval
dustin@meconsulting.com
Electrical David Carroll
davidd@meconsulting.com
PROJECT No.: 21115.00

P201

PLUMBING PLAN

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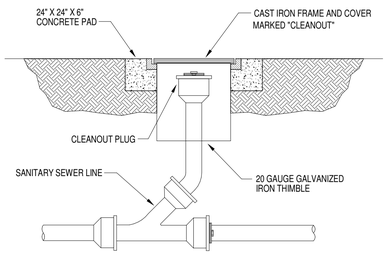
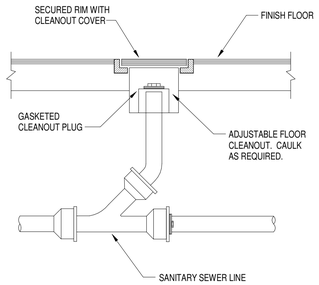


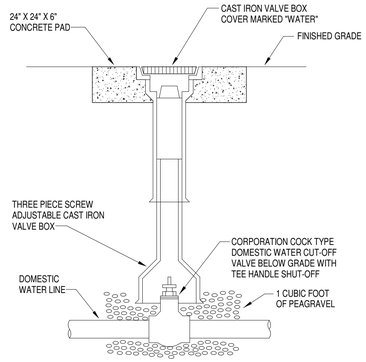
1 OUTSIDE CLEANOUT DETAIL

NO SCALE



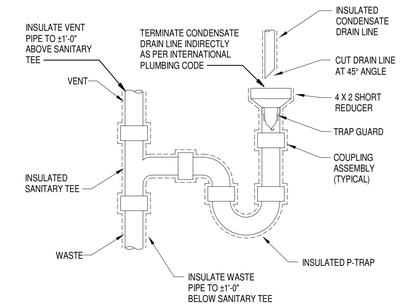
2 FLOOR CLEANOUT DETAIL

NO SCALE



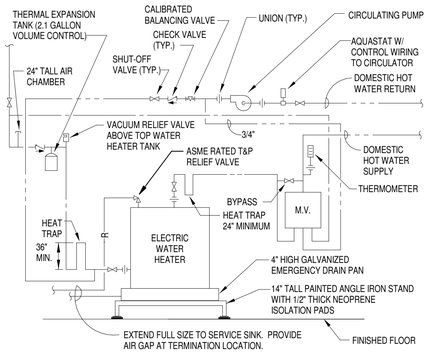
3 WATER VALVE BOX DETAIL

NO SCALE



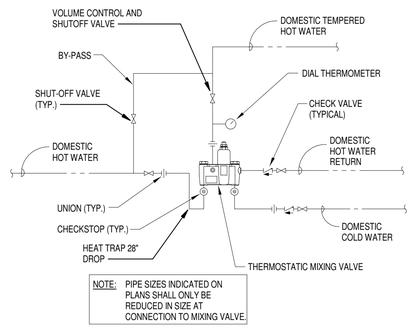
4 HUB DRAIN DETAIL

NO SCALE



5 WATER HEATER PIPING DETAIL (ON STAND)

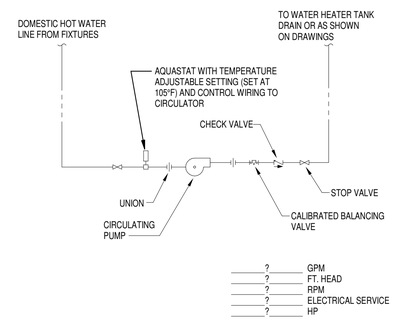
NO SCALE



NOTE: PIPE SIZES INDICATED ON PLANS SHALL ONLY BE REDUCED IN SIZE AT CONNECTION TO MIXING VALVE.

6 THERMOSTATIC MIXING VALVE DETAIL

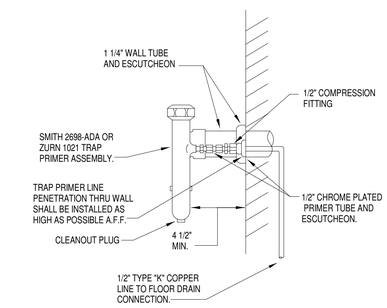
NO SCALE



?	GPM
?	FT. HEAD
?	RPM
?	ELECTRICAL SERVICE
?	HP

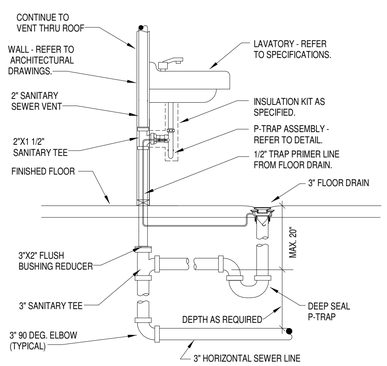
7 HOT WATER CIRCULATOR DETAIL

NO SCALE



8 TRAP PRIMER DETAIL

NO SCALE



9 FLOOR DRAIN TRAP PRIMER DETAIL

NO SCALE

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HAMMOND
T 985.345.5210
NEW ORLEANS
T 504.585.1315
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M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval
dustin@meconsulting.com
Electrical David Carroll
david@meconsulting.com
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P301

PLUMBING DETAILS

H/S

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PLUMBING FIXTURE SCHEDULE

LABEL	FIXTURE TYPE	MANUFACTURER	PIPE CONNECTION C.W.	PIPE CONNECTION H.W.	PIPE CONNECTION WASTE	PIPE CONNECTION VENT	SPECIFICATION
CO	FLOOR CLEANOUT	ZURN 1400, WADE W-6000, MIFAB C1100-R OR J.R. SMITH 4031 (NB) WITH ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP.	-	-	4"	-	FLOOR CLEANOUTS SHALL BE AN ADJUSTABLE TYPE WITH ANCHOR FLANGE FOR CLAMP DEVICE, CLAMPING COLLAR AND NICKEL BRONZE COVER. CONTRACTOR SHALL INSTALL 2# LEAD FLASHING A MINIMUM OF 18" ALL AROUND CLEANOUT AND FLASH INTO FLANGE AND ANCHOR WITH CLAMPING COLLAR.
EWC	ELECTRONIC WATER COOLER	ELKAY EZS8, OASIS P8AC	1/2"	-	2"	2"	WALL MOUNTED ELECTRIC WATER COOLER FOR HANDICAPPED USE, WITH A CAPACITY OF 8.0 GPH OF 50°F WATER AT A ROOM TEMPERATURE OF 90°F AND INLET WATER TEMPERATURE OF 80OF; 3/8" ANGLE SUPPLIES WITH STOP AND 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT PLUG. FINISH TO BE STAINLESS STEEL. UNIT SHALL BE COMPLETE WITH WADE 400-AM11 (MIFAB MC-32, JOSAM 17560) UNIVERSAL HANGER PLATE CARRIER WITH PIPE UPRIGHTS, WELDED BASE FEET AND SUPPORT HARDWARE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE
EWC-H	ELECTRONIC WATER COOLER WITH BOTTLE FILLER	ELKAY EMABFTL8WSLK, (OASIS) BOTTLE FILLING STATION	1/2"	-	2"	2"	TWO LEVEL WALL MOUNTED ELECTRIC WATER COOLER FOR ADULTS AND OR CHILD USE, WITH A CAPACITY OF 8.0 GPH OF 50OF WATER AT A ROOM TEMPERATURE OF 90OF AND INLET WATER TEMPERATURE OF 80OF; 3/8" ANGLE SUPPLIES WITH STOP AND 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT PLUG. FINISH TO BE STAINLESS STEEL. UNIT SHALL BE COMPLETE WITH WADE 440-AM11 (MIFAB MC-33-2, JOSAM 17560-WCBL) UNIVERSAL HANGER PLATE CARRIER WITH THREE PIPE UPRIGHTS, TWO HANGER PLATES AND TWO BOTTOM BEARING PLATES, WELDED BASE FEET AND SUPPORT HARDWARE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE.
FD	FLOOR DRAIN	JOSAM SERIES 30000, WADE W-1100-A6-1, J. R. SMITH 2010A, MIFAB F1100-C, ZURN 415-BZ OR EQUIVALANT	-	-	3"	2"	BOTTOM OUTLET WITH DURA-COATED CAST IRON BODY, WITH CLAMPING COLLAR AND 6" DIAMETER NICKEL BRONZE STRAINER ADJUSTABLE VERTICALLY TO FLOOR LEVEL, WITH SQUARE PERFORATIONS AND VANDAL-PROOF SCREWS. PROVIDE TRAP PRIMER CONNECTION WHERE SHOWN ON PLANS. PROVIDE SURESEAL MODEL SS3000V (MIFAB MI-GARD-3) FLOOR DRAIN TRAP SEALER FOR 3" DIAMETER DRAIN (ASSE 1072) WHERE TRAP PRIMER LINE IS NOT SHOWN CONNECTING TO THE FLOOR DRAIN ON THE PLANS. COORDINATE FINAL ROUGH-IN ELEVATION WITH FINISHED FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
HB	HOSE BIBB	WOODFORD MODEL 24P (ZURN 1341) WITH LOOSE KEY AND WATTS 8AC (NIDEL 34HF) VACUUM BREAKER.	3/4"	-	-	-	WALL FAUCET SHALL BE A WOODFORD MODEL 24 (ZURN 1341) WITH WATTS 8AC (NIDEL 34HF) ANTI-SIPHON VACUUM BREAKER. ASSE STANDARD 1011 APPROVED. EXTERIOR FINISH TO BE ROUGH BRASS.
L-WH	LAVATORY	KOHLER K-1729, AMERICAN STANDARD 0124.131	1/2"	1/2"	2"	2"	WALL HUNG, 20" X 18", WHITE, VITREOUS CHINA, WALL MOUNTED LAVATORY WITH 4" FAUCET CENTERS. DELTA 22C101 (ZURN Z-81000-CP4, A.S. 6114.111.002) CAST BRASS BODY, CERAMIC DISC CARTRIDGE, SINGLE HANDLE FAUCET WITH MCGUIRE 155WC (KOHLER K-13885) OFFSET TAILPIECE WITH PERFORATED GRATE DRAIN; MCGUIRE 8872 (KOHLER K-8998) 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT PLUG, 3/8" ANGLE SUPPLIES WITH STOPS, AND JOSAM, WADE 520 CONCEALED ARM FLOOR ANCHORED CARRIER. PROVIDE J.R. SMITH 2698-ADA PRIME-EZE, ZURN Z1021-ADA OR EQUAL WATER SAVER TRAP PRIMER WHERE INDICATED ON PLANS. TRUEBRO MODEL 103, (ZURN Z8946-3-NT) INSULATING KIT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE. PROVIDE LAWLER 570 (LEONARD 170-LF, WATTS LFUSG-B SERIES) THERMOSTATIC MIXING VALVE, 3/8" INLETS & OUTLET CONNECTIONS, TEMPERATURE CONTROL DEVICE THAT CONFORMS TO ASSE 1070.
OCO	FLOOR CLEANOUT	J.R. SMITH, JOSAM, MIFAB, ZURN, WADE	-	-	4"	-	OUTSIDE CLEANOUTS SHALL BE AS DETAILED ON THE PLANS.
REF	REFRIGERATOR	OATEY 38681, SPECIALITY PRODUCTS P4129	1/2"	-	-	-	WALL RECESSED BOX WITH CHROME PLATED 1/2"X1/4" ANGLE STOP WITH SUPPLY
SK-A	SINK	ELKAY LR-1919, JUST SL-2019-A-GR	1/2"	1/2"	2"	2"	SELF RIMMING, 19" X 19" X 7.5", SINGLE COMPARTMENT, 18 GAUGE, TYPE 304 SELF RIMMING SINK WITH LK810GN05T4 (ZURN 871B4-XL) 5" REACH GOOSENECK FAUCET WITH 4" WRIST BLADE HANDLES, LK-99 (JUST JB-99) BASKET STRAINER, MCGUIRE 8912 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND 3/8" ANGLE SUPPLIES WITH STOPS. CAULK AROUND PERIMETER OF FIXTURE.
SK-B	SINK	ELKAY ECTSR25229TBGO (JUST)	1/2"	1/2"	2"	2"	UNDERMOUNT, 25" X 22" X 9", SINGLE COMPARTMENT, 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF RIMMING SINK WITH 8" FAUCET CENTERS; ZURN Z831B4-XL-18F (T & S BRASS B-2867-04 WITH B-0199-21, A.S. 6530.170.LV15.002) 5-3/8" REACH RIGID GOOSENECK FAUCET WITH LAMINAR FLOW AND 4" WRIST BLADE HANDLES, LK-18B PERFORATED 3" GRID STRAINER, MCGUIRE 8912 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND 3/8" ANGLE SUPPLIES WITH STOPS. CAULK AROUND PERIMETER OF FIXTURE.
SS-F	SERVICE SINK	FIAT MSB-2424, MUSTEE 63M	3/4"	3/4"	2"	2"	FLOOR MOUNTED, 24" X 24" X 10" WHITE MOLDED STONE MOP SERVICE BASIN WITH #1453-BB FLAT TYPE STAINLESS STEEL DRAIN, VINYL BUMPER GUARD, #830-AA (T&S BRASS B-0665-BSTR) MIXING FAUCET, #832-AA (T&S BRASS B-0654) HOSE AND STAINLESS STEEL HOSE BRACKET, #889-CC (T&S BRASS B-0653) STAINLESS STEEL MOP HANGER, #833-AA SILICONE SEALANT AND TWO (2) #MSG 2424 STAINLESS STEEL WALL GUARDS (SIDE AND BACK). CAULK AROUND PERIMETER OF FIXTURE.
U-W	URINAL	KOHLER K-4904-ET, AMERICAN STANDARD 6590.001	3/4"	-	2"	2"	WALL HUNG, WHITE, VITREOUS CHINA WALL HUNG WASHOUT URINAL WITH 3/4" TOP SPUD INLET. SLOAN 186-1 (ZURN AQUAFLUSH PLUS Z-6003-PL-WS1) FLUSH VALVE WITH A.D.A. COMPLIANT HANDLE ASSEMBLY, VANDAL RESISTANT STOP CAP, VACUUM BREAKER AND STOP. UNIT SHALL BE COMPLETE WITH WADE 400-AM11 (MIFAB MC-32, JOSAM 17560) SINGLE, UNIVERSAL HANGER PLATE CARRIER WITH PIPE UPRIGHTS, WELDED BASE FEET AND SUPPORT HARDWARE; AND STAINLESS STEEL REMOVABLE STRAINER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND WALL THICKNESS. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE.
WC-F	WATER CLOSET	KOHLER K-96053, AMERICAN STANDARD 2234.001	1"	-	4"	3"	FLOOR MOUNTED, WHITE, VITREOUS CHINA, SIPHON JET, ELONGATED WATER CLOSET. K-4670-C (A.S. 5901.100, BEMIS 1955CT, BENEKE 523, CHURCH 295CT, CENTOCO 500STSCC) SOLID PLASTIC, WHITE OPEN-FRONT TOILET SEAT LESS COVER, CHECK HINGE AND WITH STA-TITE COMMERCIAL FASTENING SYSTEM; K-4562 BOLT CAP. SLOAN 111 (ZURN AQUAFLUSH PLUS Z6000PL-WS1) FLUSH VALVE WITH A.D.A. COMPLIANT HANDLE ASSEMBLY, VANDAL RESISTANT STOP CAP, VACUUM BREAKER AND STOP. INSTALL PER A.D.A. REQUIREMENTS. FLUSH VALVE HANDLE TO BE ON WIDE SIDE OF STALL. INSTALL WAX SEAL BELOW FIXTURE. CAULK AROUND PERIMETER OF FIXTURE.
WC-FH	WATER CLOSET	KOHLER K-96057, AMERICAN STANDARD 3043.001	1"	-	4"	3"	FLOOR MOUNTED, WHITE, VITREOUS CHINA, SIPHON JET, ELONGATED WATER CLOSET. K-4670-C (A.S. 5901.100, BEMIS 1955CT, BENEKE 523, CHURCH 295CT, CENTOCO 500STSCC) SOLID PLASTIC, WHITE OPEN-FRONT TOILET SEAT LESS COVER, CHECK HINGE AND WITH STA-TITE COMMERCIAL FASTENING SYSTEM; K-4562 BOLT CAP. SLOAN 111 (ZURN AQUAFLUSH PLUS Z6000PL-WS1) FLUSH VALVE WITH A.D.A. COMPLIANT HANDLE ASSEMBLY, VANDAL RESISTANT STOP CAP, VACUUM BREAKER AND STOP. INSTALL PER A.D.A. REQUIREMENTS. FLUSH VALVE HANDLE TO BE ON WIDE SIDE OF STALL. INSTALL WAX SEAL BELOW FIXTURE. CAULK AROUND PERIMETER OF FIXTURE.

WATER HEATER SCHEDULE

UNIT NO.	SERVICE	CAPACITY (GALLONS)	ELECTRIC KW INPUT	TEMPERATURE SETTING	ELECTRICAL SERVICE	RECOVERY RATE @ 100°F TEMP. RISE	COMMENTS
WH-1	BUILDING	50	6.0	140 F	208-1-60	25 GPH	RHEEM ES50-6 (STATE)

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T 985.345.5210
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NO.	DESCRIPTION	DATE

PROJECT NO.	20044
PHASE	DD
DATE	09/20/2021
PROJECT MANAGER	Author
QUALITY CONTROL	Checker

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DESIGN DEVELOPMENT

M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337)
Mechanical Dustin Duval dustin@meconsulting.com
Electrical David Carroll david@meconsulting.com
PROJECT No.: 21115.00

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PLUMBING SCHEDULES

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