New Office - Warehouse Building and Bulkhead LUMCON Houma Marine Capus Phase 2, Houma, Houma Louisiana Project Number: 19-674-19-01, F.19002314

Facility Planning and Control - Division of Administration

Project documents obtained from www.CentralBidding.com

14-Oct-2025 02:36:46 PM

NEW OFFICE / WAREHOUSE BUILDING & BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2

335 DICKSON RD, HOUMA, LA 70363

STATE PROJECT NO.: 19-674-19-01 WBS NO.: F.19002314
STATE ID NO.: XXXXX NEW SITE ID NO.: 3-55-003
STATE OF LOUISIANA
JEFF LANDRY, GOVERNOR

DIVISION OF ADMINISTRATION
TAYLOR F. BARRAS, COMMISSIONER OF ADMINISTRATION
OFFICE OF FACILITY PLANNING AND CONTROL
ROGER E. HUSSER, JR., P.E., DIRECTOR

ISSUED FOR BID

ARCHITECTS

CRUMPWILSON ARCHITECTS
5721 S. Sherwood Forest Blvd.
Baton Rouge, Louisiana 70816
(P) 225.387.2307 (F) 225.387.2316
crumpwilsonarchitects.com

GFP ARCHITECTURE INTERIOR DESIGN
104 Rue Angelique Suite A
Thibodaux, LA 70301
(985) 447-9931

CIVIL ENGINEER

ALL SOUTH CONSULTING ENGINEERS, L.L.C.
652 PAPWORTH AVENUE
METAIRIE, LA 70005
(504) 322-2783

MECHANICAL/ELECTRICAL ENGINEER

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 20-XXX
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484

STRUCTURAL ENGINEER

MICHAEL BADEAUX
BADEAUX ENGINEERS, INC.
115 EAST 6TH STREET
THIBODAUX, LA 70301
(985) 447-2317

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

CRUMPWILSON ARCHITECTS
9311 Bluebonnet Blvd. Suite B
Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

COVER

MICHAEL B. WILSON NO. 2997 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

DATE 09/25/2025

COVER

LOUISIANA ONE CALL NOTICE

48 HOURS BEFORE DIGGING, CALL 1-800-272-3020 TO LOCATE UTILITY LINES.

J1 | LOUISIANA ONE CALL NOTICE

N.T.S.

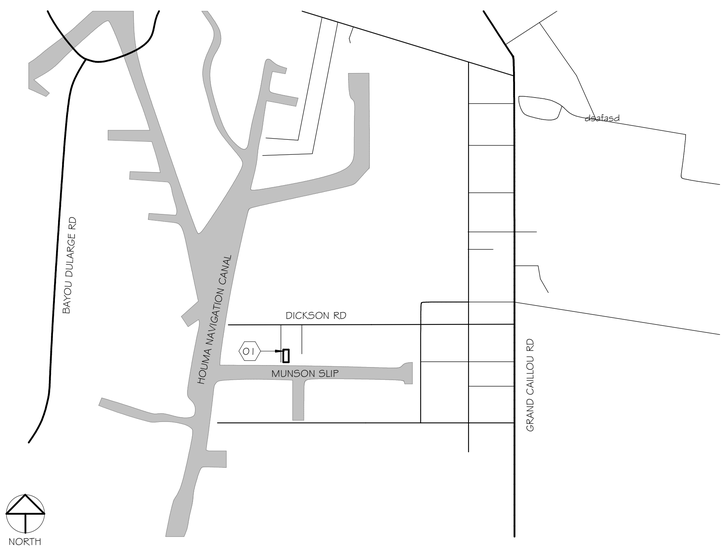
CONTRACTOR NOTE

PRE-ENGINEERED METAL BUILDING DESIGN SHALL INCLUDE THE FOLLOWING:

1. STRUCTURE OF THE MEZZANINE
2. IBC COMPLIANT MEZZANINE STAIRS AS SHOWN ON DRAWINGS
3. LIVE LOADS AND DEAD LOADS OF MEZZANINE, INCLUDING BUT NOT LIMITED TO RECORDS ROOM, HVAC AIR HANDLER UNITS, AND ELECTRICAL TRANSFORMER
4. STRUCTURE OF THE CANTILEVERED BALCONY
5. STRUCTURE OF CANTILEVERED AND HANGER ROD CANOPIES
6. WIND PRESSURES AS INDICATED IN THE CONSTRUCTION DOCUMENTS
7. BRACING / BLOCKING FOR BUIDLING SIGNAGE

F1 | CONTRACTOR NOTE

N.T.S.



A1 | VICINITY MAP

N.T.S.

ADDITIVE ALTERNATE

ADDITIVE ALTERNATE NO. 1: ADDITIVE ALTERNATE NO.1 INCLUDES THE FOLLOWING:

1. DRIVE SHEET PILING AND INSTALL BULKHEAD FROM EXISTING BOAT SLIP TO EAST APPROXIMATELY 190 LINEAR FEET
2. DREDGE MUNSON SLIP AND FILL EASTERN PORTION OF SITE AS INDICATED ON CIVIL DRAWINGS
3. POUR CONCRETE FOR NEW BOAT LAUNCH AS INDICATED IN THIS AREA
4. EXTEND ELECTRICAL SERVICE TO ELECTRICAL EQUIPMENT LOCATED AT BULKHEAD AS INDICATED IN THIS AREA
5. INSTALL ELECTRICAL EQUIPMENT AND PLATFORM AT BULKHEAD AS INDICATED IN THIS AREA
6. INSTALL SITE LIGHT FIXTUES ALONG BULKHEAD AS SHOWN ON ELECTRICAL DRAWINGS

ADDITIVE ALTERNATE NO. 2: ADDITIVE ALTERNATE NO.2 INCLUDES THE FOLLOWING:

1. DRIVE SHEET PILING AND INSTALL BULKHEAD FROM EXISTING BOAT SLIP TO EAST APPROXIMATELY 190 LINEAR FEET BEYOND ALTERNATE NO. 1
2. DREDGE MUNSON SLIP AND FILL EASTERN PORTION OF SITE AS INDICATED ON CIVIL DRAWINGS
3. EXTEND ELECTRICAL SERVICE TO ELECTRICAL EQUIPMENT LOCATED AT BULKHEAD
4. INSTALL BULKHEAD PEDESTAL NO. 4 AND EXTEND SERVICE AS SHOWN ON DRAWINGS
5. INSTALL SITE LIGHT FIXTUES ALONG BULKHEAD AS SHOWN ON ELECTRICAL DRAWINGS

ADDITIVE ALTERNATE NO. 3: ADDITIVE ALTERNATE NO.3 INCLUDES THE FOLLOWING:

1. DRIVE SHEET PILING AND INSTALL BULKHEAD FROM EXISTING BOAT SLIP TO EAST APPROXIMATELY 190 LINEAR FEET BEYOND ALTERNATE NO. 2 TO EAST
2. DREDGE MUNSON SLIP AND FILL EASTERN PORTION OF SITE AS INDICATED ON CIVIL DRAWINGS
3. POUR CONCRETE FOR NEW BOAT LAUNCH AT EAST END OF PROPERTY
4. EXTEND ELECTRICAL SERVICE TO ELECTRICAL EQUIPMENT LOCATED AT BULKHEAD
5. INSTALL SITE LIGHT FIXTUES ALONG BULKHEAD AS SHOWN ON ELECTRICAL DRAWINGS

F6 | ALTERNATES

N.T.S.

@ : AT

AFF : ABOVE FINISHED FLOOR

CJ : CONTROL JOINT

Ø : DIAMETER

EA : EACH

EQ : EQUAL

FFE : FINISH FLOOR ELEVATION

GYP : GYPSUM BOARD

MAX : MAXIMUM

MIN : MINIMUM

NTS : NOT TO SCALE

OC : ON CENTER

OF/CI : OWNER FURNISHED/ CONTRACTOR INSTALLED

OH : OPPOSITE HAND

PEMB: PRE-ENGINEERED METAL BUILDING

RE : REFERENCE

SIM : SIMILAR

TOS : TOP OF STEEL

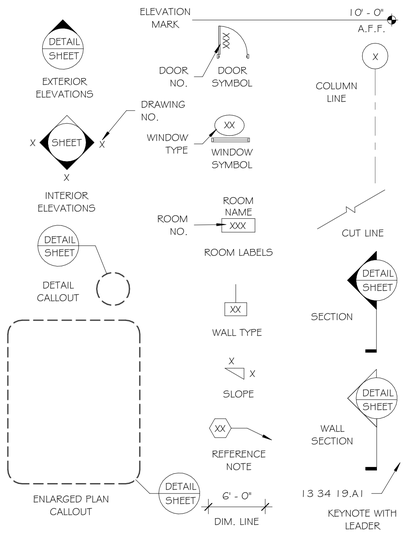
TS : TRANSITION STRIP

TYP : TYPICAL

TH : THRESHOLD

UNO : UNLESS NOTED OTHERWISE

VOJ : VERIFY ON JOB



A6 | ABBREVIATIONS & SYMBOLS

1/8" = 1'-0"

NO SCALE

SHEET INDEX

COVER	E	COVER
INDEX	C	SHEET INDEX
C-1.0	D	GENERAL NOTES
C-2.0	E	SITE PLAN
C-3.0	E	PAVEMENT PLAN
C-4.0	E	GRADING AND DRAINAGE PLAN
C-5.0	E	PAVEMENT STRIPING PLAN
C-6.0	E	TYPICAL PAVEMENT DETAILS
C-7.0	E	TYPICAL PAVEMENT DETAILS 2
C-8.0	E	SITE SECTIONS
C-9.0	E	BULKHEAD ALT. 1 SITE PLAN
C-10.0	E	BULKHEAD ALT. 1 SHEETPILE LAYOUT
C-11.0	E	BULKHEAD ALT. 1 & 2 SITE PLAN
C-12.0	E	BULKHEAD ALT. 1 & 2 SHEETPILE LAYOUT
C-13.0	E	BULKHEAD ALT. 1, 2, & 3 SITE PLAN
C-14.0	E	BULKHEAD ALT. 1, 2, & 3 SHEETPILE LAYOUT
C-15.0	E	TYPICAL DETAILS 1
C-16.0	E	TYPICAL DETAILS 2
C-17.0	E	SHEETPILE SECTIONS
SITE	C	OVERALL SITE PLAN
SITE1	E	ENLARGED SITE PLAN
SITE2	E	FOUNDATION GRADING PLAN
SITE3	D	SITE DETAILS
A000	F	LIFE SAFETY PLAN - FIRST FLOOR
A001	E	LIFE SAFETY PLAN - MEZZANINE LIFE SAFETY PLAN
A002	F	SCHEDULES
A003	E	WINDOW ELEVATIONS & SCHEDULE
A004	E	INTERIOR SIGNAGE
A100	F	DIMENSION PLAN - FIRST FLOOR
A101	E	DIMENSION PLAN - MEZZANINE
A102	F	ANNOTATION PLAN - FIRST FLOOR
A103	E	ANNOTATION PLAN - MEZZANINE
A104	E	PLAN DETAILS
A105	E	HEAD, JAMB, & SILL DETAILS
A106	E	HEAD, JAMB, & SILL DETAILS
A107	F	ROOF PLAN
A108	B	ROOF ZONE PLAN & ROOF DATA
A109	E	ROOF DETAILS
A200	E	EXTERIOR ELEVATIONS
A201	E	EXTERIOR ELEVATIONS
A202	E	BUILDING SECTIONS
A300	F	ENLARGED RESTROOM PLANS & DETAILS
A301	E	ENLARGED STAIR PLANS
A400	F	REFLECTED CEILING PLAN - FIRST FLOOR
A401	E	REFLECTED CEILING PLAN - MEZZANINE
A500	E	WALL SECTIONS
A501	E	WALL TYPES
A502	D	SECTION DETAILS
A503	D	CANOPY DETAILS
A600	F	INTERIOR ELEVATIONS
A601	C	MILLWORK DETAILS
S000	E	GENERAL NOTES
S100	E	FOUNDATION PLAN
S101	E	FOUNDATION DETAILS
S102	E	FOUNDATION DETAILS
M000	E	MECHANICAL COVER SHEET
M101	E	FIRST FLOOR HVAC PLAN
M102	E	MEZZANINE HVAC PLAN
M103	E	ENLARGED FIRST FLOOR HVAC PLANS
M104	E	ENLARGED MEZZANINE HVAC PLAN
M200	E	HVAC SCHEDULES
M201	E	HVAC DETAILS
M202	E	HVAC DETAILS
P100	E	SITE PLUMBING AND UTILITY PLAN
P101	E	FIRST FLOOR PLUMBING PLAN
P102	E	MEZZANINE PLUMBING PLAN
P103	E	ENLARGED FIRST FLOOR PLUMBING PLANS
P104	E	ENLARGED MEZZANINE PLUMBING PLAN
P111	E	FIRST FLOOR UTILITY PLAN
P112	E	MEZZANINE UTILITY PLAN
P113	E	ENLARGED FIRST FLOOR UTILITY PLANS
P114	E	ENLARGED MEZZANINE UTILITY PLAN
P200	E	PLUMBING SCHEDULES
P201	E	PLUMBING DETAILS
P202	E	PLUMBING DETAILS
P203	E	PLUMBING RISER DIAGRAMS
SP101	E	FIRST FLOOR SPRINKLER PLAN
SP102	E	MEZZANINE SPRINKLER PLAN
SP103	E	SPRINKLER DETAILS
E000	E	ELECTRICAL COVER SHEET
E001	D	SITE PLAN
E100	E	FIRST FLOOR POWER PLAN
E101	E	MEZZANINE POWER PLAN
E102	E	ENLARGED FLOOR PLANS
E200	E	LIGHT FIXTURE SCHEDULE
E201	E	FIRST FLOOR LIGHTING PLAN
E202	E	MEZZANINE LIGHTING PLAN
E203	E	ENLARGED LIGHTING PLANS
E300	E	POWER RISER DISGRAM
E301	E	PANEL SCHEDULES/ TELECOM RISER DIAGRAM
E302	E	PANEL SCHEDULE
E304	E	ADD ALTERNATE NO. 1 - PANEL SCHEDULES
E400	E	ELECTRICAL DETAILS
E401	E	ELECTRICAL DETAILS

A11 | SHEET INDEX

N.T.S.

TOPOGRAPHIC SURVEY

1	ELEVATION SURVEY
1	TOPOGRAPHIC SURVEY
2	CROSS SECTIONS
3	CROSS SECTIONS
4	CROSS SECTIONS
5	CROSS SECTIONS
6	CROSS SECTIONS
7	CROSS SECTIONS
8	CROSS SECTIONS

REFERENCE NOTES

01 PROJECT LOCATION

GENERAL NOTES

1. IF ACCEPTED, ALTERNATES WILL BE TAKEN IN ORDER, MEANING ACCEPTANCE SHALL BE ALTERNATE NUMBER 1, ALTERNATE NUMBERS 1& 2, OR ALTERNATE NUMBERS 1, 2, & 3.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
4		
3	ISSUED FOR BID	09/25/25
2	CDS-ISSUED FOR APPROVAL	05/15/25
1	CDS - ISSUED FOR APPROVAL	04/21/22

CRUMP WILSON ARCHITECTS
9311 Bluebonnet Blvd. Suite B
Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

SHEET INDEX

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	Approver	DRAWN BY	NLM

INDEX

GENERAL NOTES:

1. EXCEPT FOR MEASUREMENT OF QUANTITIES (WHICH SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS), ALL CONSTRUCTION MATERIAL AND PROCEDURES SHALL CONFORM TO THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (DOTD) LATEST EDITION UNLESS SPECIFIED OTHERWISE. DEVIATIONS FROM THESE SPECIFICATIONS SHALL HAVE TO BE APPROVED BY THE ENGINEER.
2. THE CONTRACTOR SHALL NOT, AT ANY TIME, TRAVERSE ON OR FILL, EXISTING MARSH OR VEGETATED WETLANDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING USCG NAVIGATION REGULATIONS WITHIN THE LIMITS OF THE PROJECT SITE.
4. CONTRACTOR SHALL HAVE CLASSIFICATION LICENSE "BUILDING CONSTRUCTION". SUBCONTRACTOR ONLY WORKING ON SHEETPILE ALTERNATES, IF ACCEPTED, SHALL HAVE CLASSIFICATION LICENSE "HEAVY CONSTRUCTION".
5. ALL ELEVATIONS ARE GIVEN IN NORTH AMERICAN VERTICAL DATUM OF NAVD 1988 GEOID 18, U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN NORTH AMERICAN DATUM OF 1983 (NAD 83), LOUISIANA STATE PLANE, SOUTH ZONE 1702, U.S. SURVEY FEET. NORTH IS BASED ON LOUISIANA STATE PLANE, SOUTH ZONE, NAD 1983 (2011)
6. DIMENSIONS, ELEVATIONS, AND STATIONING OF EXISTING OBJECTS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN THE FIELD.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THESE PLANS, THE PROJECT SPECIFICATIONS AND OTHER LOCAL REQUIREMENTS.
8. THE CONTRACTOR IS SOLELY AND FULLY RESPONSIBLE FOR THE LAYOUT OF CONSTRUCTION WORK AND THE MEANS AND METHODS EMPLOYED UNLESS OTHERWISE STATED BY THE BID DOCUMENTS.
9. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRESENTED IN THESE BID DOCUMENTS PRIOR TO THE START OF WORK.
10. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ANY DEBRIS FROM THE PROJECT SITE WITHIN THE LIMITS OF CONSTRUCTION.
11. CONTRACTOR TO EXPECT TO ENCOUNTER MISCELLANEOUS DEBRIS DURING SHEETPILE DRIVING AND DREDGING OPERATIONS. CONTRACTOR TO REMOVE INCIDENTAL DEBRIS FROM BORROW AREA AT NO COST TO THE OWNER. LOOSE CONCRETE AND OTHER DEBRIS IS VISIBLE AT THE WATER'S EDGE AND MAY ALSO BE PRESENT BELOW THE WATER. THE CONTRACTOR SHALL REMOVE THIS DEBRIS FROM THE AREA AT NO COST TO THE OWNER.
12. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY AND ALL DAMAGE TO PRIVATE/PUBLIC PROPERTY OUTSIDE OF ALLOWABLE WORK ZONE LIMITS IN THE BID DOCUMENTS AT NO COST TO THE OWNER.
13. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE PRIOR TO SUBMITTING THEIR BID FOR THIS PROJECT AND BECOME AWARE OF SITE CONDITIONS AND OTHER EXISTING ITEMS WHICH MAY AFFECT SCOPE OF WORK.
14. CONTRACTOR TO SUBMIT PROJECT WORK PLAN PRIOR TO START OF CONSTRUCTION.
15. ALL WORK WHETHER SHOWN OR IMPLIED, UNLESS SPECIFICALLY QUESTIONED, SHALL BE CONSIDERED UNDERSTOOD IN ALL RESPECTS BY THE CONTRACTOR AND WHO WILL BE RESPONSIBLE FOR ANY MISINTERPRETATIONS OR CONSEQUENCES THEREOF.
16. ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE SUPPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED, AND ADJUSTED AS DIRECTED BY THE CONTRACTOR PER THE MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFIED OTHERWISE. ALL EXISTING ITEMS, MATERIALS, AND FIXTURES SHALL BE INSTALLED, CONNECTED, CLEANED, AND PROTECTED FROM OTHER ONGOING WORK IN THIS CONTRACT.
17. CONTRACTOR SHALL PROVIDE A MEANS TO CLEAN EARTHWORK VEHICLES PRIOR TO ENTERING PUBLIC STREETS. CONTRACTOR WILL BE RESPONSIBLE FOR CLEANUP, FINES AND OTHER CONSEQUENCES THAT RESULT FROM TRACKING DIRT ON TO THE HIGHWAY.
18. THE CONTRACTOR SHALL COORDINATE, REMOVE, AND DISPOSE OF ALL RUBBISH, DEBRIS, ETC. ON A WEEKLY BASIS AND IN A LEGAL MANNER. THE CONTRACTOR SHALL KEEP THE WORK AREA SAFE AND REASONABLY CLEAN AT ALL TIMES.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADDITIONAL SPACE BEYOND THE LIMITS OF WORK AND MAINTAINING CONSTRUCTION STAGING AREA AS NEEDED FOR WORK IF ADDITIONAL AREAS ARE NEEDED BEYOND THE LIMITS OF WORK SHOWN ON THE DRAWING.

UTILITY NOTES:

1. THERE ARE NO PIPELINES AND UTILITIES SHOWN ON THE PLANS. IT IS POSSIBLE THAT SOME UNKNOWN PIPELINES AND UTILITIES MAY EXIST THAT HAVE NOT BEEN SHOWN. THE CONTRACTOR SHALL BE ON THE ALERT FOR SUCH PIPELINES AND UTILITIES, AND SHALL REPORT IMMEDIATELY TO THE ENGINEER THOSE LOCATIONS. DREDGE TEMPLATES SHALL BE MODIFIED AT NO COST TO THE OWNER TO ACCOUNT FOR FOUND UTILITIES. CONTRACTOR SHALL STOP ALL DREDGING ACTIVITIES MINIMUM OF 50' ON EACH SIDE OF PIPELINES. THE CONTRACTOR SHALL PERFORM HIS OWN MAG SURVEY AND VERIFY IF THERE ARE ANY PIPELINES OR UTILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LA ONE CALL PRIOR TO CONSTRUCTION.
3. ALL IDENTIFIED EXISTING UTILITIES SHALL NOT BE DISTURBED.
4. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PERMITTING NOTES & REGULATORY RESTRICTIONS:

1. THE OWNER HAS OBTAINED SOME OF THE PROJECT PERMITS, WHICH ARE INCLUDED IN THE SPECIFICATIONS. CONTRACTOR SHALL ADHERE TO THE RESTRICTIONS PROVIDED IN THE PERMIT. ANY AND ALL FINES GENERATED AS A RESULT OF THE CONTRACTOR'S ACTIVITIES SHALL BE PAID FOR BY THE CONTRACTOR. TIME EXTENSIONS WILL NOT BE GRANTED IF THE PROJECT IS SHUT DOWN DUE TO PERMIT VIOLATIONS COMMITTED BY THE CONTRACTOR. THERE WILL BE NO ADDITIONAL COST TO THE OWNER SHOULD ANY OF THESE OCCUR.
2. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE UNITED STATES COAST GUARD.
3. EXCLUDING THE PERMITS ALREADY OBTAINED BY THE OWNER, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL LOCAL, STATE, AND/OR FEDERAL PERMITS REQUIRED FOR THIS PROJECT.

EARTHWORK NOTES:

1. DREDGING FOR THIS PROJECT SHALL BE MECHANICAL DREDGE ONLY. DREDGED MATERIAL SHALL BE HAULED OFF SITE AND PROPERLY DISPOSED OF IN ACCORDANCE WITH THE FEDERAL, STATE, AND LOCAL GUIDELINES. CONTRACTOR SHALL SUBMIT A HAUL PLAN. CONTRACTOR SHALL ACCESS THE BORROW AREA THROUGH NAVIGABLE WATERWAYS AND SHALL NOT DISTURB EXISTING WATER BOTTOMS UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL MAINTAIN ADEQUATE NAVIGATIONAL EQUIPMENT TO AVOID DREDGING IN RESTRICTED OR NON DESIGNATED AREAS.
2. CONTRACTOR SHALL SUBMIT WORK PLAN TO THE ENGINEER FOR INFORMATION AND COMMENT AS REQUIRED PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL IDENTIFY PROPOSED EXPECTED TIMELINE FOR ALL ACTIVITIES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS USED FOR MARINE ACCESS TO THE PROJECT SITE. NO PROVISIONS OR AUTHORIZATIONS ARE GIVEN IN THESE PROJECT DOCUMENTS FOR MARINE ACCESS TO THE PROJECT SITE.
4. CONTRACTOR SHALL CONTINUOUSLY GRADE THE SITE FOR POSITIVE DRAINAGE AT ALL TIMES. TIME EXTENSION DUE TO PONDING FROM WET WEATHER WILL NOT BE GRANTED IF THE PONDING IS THE RESULT OF THE CONTRACTOR FAILING TO MAINTAIN PROPER GRADING.
5. NO SURCHARGE NOR CONSTRUCTION EQUIPMENT TRAVELING IS ALLOWED WITHIN THE AREA BETWEEN BULKHEAD AND TIE BACK WALLS, INCLUDING 60FT BEHIND CANTILEVER SHEET PILES. THE DREDGING PLAN MUST SHOW THIS AREA AS RESTRICTED ZONE.

SURVEY NOTES:

1. ALL SURVEY DATA PROVIDED BY LEONARD CHAUVIN P.E., P.L.S., INC, DATED JUNE 2021 AND APRIL 17, 2025.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXECUTING THE WORK TO THE LIMITS, LINES, LOCATIONS, AND GRADES ESTABLISHED IN THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PRESERVING ALL POSTS AND OTHER MARKS.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF ANY PENDING SURVEYS TO BE PERFORMED BY THE CONTRACTOR.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ADJACENT LAND OWNERS AT LEAST FIFTEEN (15) WORKING DAYS IN ADVANCE OF THE WORK. PIPELINES LOCATED WITHIN 150' OF THE WORK SHALL BE MARKED BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 FIVE (5) DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING.

BULKHEAD NOTES:

1. ALL WALERS SHALL BE GRADE 50 MATERIAL.
2. ALL PLATES SHALL BE GRADE 50 MATERIAL, EXCEPT AS NOTED OTHERWISE.
3. BULKHEAD SHEET PILE SHALL BE 55 FEET IN TOTAL LENGTH. SHEET PILE SHALL BE GRADE 50 MINIMUM. BULKHEAD SHEET PILE SHALL BE PZC13 MINIMUM OR APPROVED EQUAL.
4. TIE-BACK WALL SHEET PILE SHALL BE PZC13 MINIMUM OR APPROVED EQUAL; GRADE 50 MINIMUM; AND 20 FEET IN TOTAL LENGTH.
5. ALL RODS, FASTENERS, BEARING PLATES, HARDWARE AND STEEL SHAPES SHALL BE HOT DIP GALVANIZED.
6. CANTILEVER SHEET PILE SHALL BE PZC13 MINIMUM OR APPROVED EQUAL; GRADE 50 MINIMUM; AND LENGTH AS SHOWN ON DRAWINGS.
7. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1.
8. COATINGS DAMAGED DURING INSTALLATION, OR GROUND OFF WELDING SHALL BE RE-COATED IN THE FIELD AS NECESSARY.
9. GRADE 36 STEEL PLATE TO BE WELDED TO STEEL SHEETPILE TO COVER HANDLING HOLES. THE PLATE SHALL BE 1/4" THICK GRADE 36 AND THE WELD SHALL BE A 3/16" ALL AROUND FIELD WELD.
10. ALL TIE RODS SHALL BE 1 3/8" DIAMETER, GRADE 80 MATERIAL. ALL NUTS AND COUPLERS MUST MATCH OR EXCEED STRENGTH OF THE ROD.
11. ALL SHEET PILE SHALL BE COATED. REFER TO THE PAINTING AND COATING SPECIFICATION FOR COATING TYPE, COATING THICKNESS, AND COATING LENGTH REQUIREMENTS.

TIMBER NOTES:

1. TIMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA M4. ALL CUTS, HOLES, AND INJURIES SUCH AS HOLES FROM REMOVAL OF SPIKES, NAILS, OR SCREWS, WHICH MAY PENETRATE THE TREATED ZONE SHALL BE FIELD TREATED WITH COPPER NAPHTHENATE CONFORMING TO AWPA P34.

PAVING NOTES:

1. PORTLAND CEMENT SHALL BE IN ACCORDANCE WITH ASTM C150 TYPE I, II, OR I/II.
2. COMPRESSIVE STRENGTH AT 28 DAYS: 4000 PSI.
3. NORMAL WEIGHT CONCRETE: 150 PCF.
4. NORMAL WEIGHT AGGREGATE 1½" MAXIMUM COARSE AGGREGATE SIZE.
5. MAXIMUM WATER-CEMENT RATIO 0.45.
6. SLUMP AT POINT OF DELIVERY 4 INCHES.
7. AIR CONTENT 3% (±1%)
8. FINISH: FINISH THE SURFACE WITH A WOOD FLOAT OR STEEL TROWEL FOLLOWED BY BRUSHING TO A SLIGHTLY ROUGH FINISH.
9. ALL GROUT SHALL BE NON METALLIC, NON SHRINK GROUT, 6000 PSI COMPRESSIVE STRENGTH.
10. EXPOSED CORNERS OF CONCRETE SHALL HAVE A 1"X1" CHAMFER, UNLESS OTHERWISE NOTED.

REINFORCING STEEL:

11. BARS: ASTM A615, GRADE 60
12. WELDED WIRE MESH: ASTM A185

REINFORCING CLEARANCES REQUIRED ARE AS FOLLOWS:

ACI 318 STANDARDS. UNLESS SPECIFICALLY NOTED OR SHOWN ON THE DRAWINGS, REINFORCING CLEARANCES SHALL BE AS FOLLOWS:

A. CAST AGAINST AND PERMANENTLY IN CONTACT = 3".

B. EXPOSED TO WEATHER OR IN CONTACT WITH GROUND

No. 6 AND LARGER = 2"

No. 5 AND SMALLER = 1½"

C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND = 1½"

REINFORCING DETAILS FOR STRUCTURALLY SUPPORTED CONCRETE:

ACI 318 STANDARDS . UNLESS SPECIFICALLY NOTED OR SHOWN ON THE DRAWINGS, BAR LAPS AND CONFIGURATIONS SHALL BE AS FOLLOWS:

13. PROVIDE REINFORCEMENT IN ACCORDANCE WITH ACI 318-14 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES 2016 EDITION. UNLESS SPECIFICALLY NOTED OR SHOWN ON THE DRAWINGS, BAR LAPS AND CONFIGURATIONS SHALL BE AS FOLLOWS:

LAP SPLICES (INCHES)

	LOCATION	BAR SIZE (UNCOATED)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
SLABS	TOP	13	24	36	48	78	96	117	140	165
	OTHER	12	19	28	37	60	74	90	108	127
OTHERS	TOP	24	32	40	48	70	80	91	102	113
	OTHER	19	25	31	37	54	62	70	79	87

14. CORNER BARS: PROVIDE CORNER BARS AT EACH OUTSIDE CORNER FOR EACH HORIZONTAL BAR IN WALLS AND BEAMS, CORNER BARS SHALL LAP WITH HORIZONTAL BARS. PROVIDE "U" BARS AT WALL ENDS. LAP #3 TO #6 BARS 30" EACH WAY AND LAP #7 AND #11 BARS 48" EACH WAY. HOOK INSIDE BARS IN WALLS AT ENDS.

CONDUITS AND PIPES EMBEDDED IN CONCRETE:

15. CONDUITS, PIPES, AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE SHALL BE PERMITTED TO BE EMBEDDED IN CONCRETE WITH APPROVAL OF THE ENGINEER. PROVIDED THAT REGULATIONS ARE FOLLOWED AS OUTLINED IN THE APPLICABLE ACI CODES.
16. CONDUITS, PIPES, AND SLEEVES PASSING THROUGH A SLAB OR BEAM SHALL NOT SIGNIFICANTLY IMPAIR THE STRENGTH OF CONSTRUCTION AS DETERMINED BY THE ENGINEER.
17. SINGLE CONDUITS AND PIPES SHALL NOT OCCUPY MORE THAN 1 1/2" OF SLAB THICKNESS AND 1/2 THE OVERALL THICKNESS OF BEAMS IN WHICH THEY ARE EMBEDDED, AND THEY SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER. ANY CONDUIT OR PIPE LARGER SHALL BE LOCATED BELOW THE RESPECTIVE SLAB OR BEAM. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A DIAGRAM DEPICTING THE HOME RUNS OF CONDUIT TO ALL PANELS, TYPICAL.
18. IT WILL NOT BE PERMITTED TO CUT, BEND, OR DISPLACE THE REINFORCING STEEL FROM ITS PROPER LOCATION.
19. COORDINATION MUST BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO FOLLOW THE ABOVE GUIDELINES.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE LATEST EDITION AND THE AISC MANUAL OF STEEL CONSTRUCTION LATEST EDITION.
2. ALL STEEL COMPONENTS MUST BE HOT-DIPPED GALVANIZED UNLESS NOTED OTHERWISE.
3. NO FIELD WELDING ALLOWED UNLESS NOTED OTHERWISE.
4. ALL BEAM CONNECTIONS SHALL BE AISC STANDARD FRAMED CONNECTIONS. SHOP CONNECTIONS SHALL BE WELDED. FIELD CONNECTIONS SHALL BE BOLTED. CONNECTIONS NOT SCHEDULED OR DETAILED OTHERWISE TO BE DESIGNED FOR 1/2 UNIFORM LOAD BEAM CAPACITY FOR PROPER BEAM SPAN.
5. ALL STRUCTURAL STEEL ITEMS AND RESPECTIVE ANCHORS AND FASTENERS PERMANENTLY EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. PROVIDE VENT HOLES AS REQUIRED. TOUCH UP ALL DAMAGED COATING WITH STICK GALVANIZING.
6. THE ENGINEER IS TO APPROVE ALL OPENINGS, SLEEVES, EMBEDDED ITEMS, ETC. INVOLVED IN STRUCTURAL WORK PRIOR TO THEIR BEING SET. DO NOT CUT OR DRILL HOLES IN STRUCTURAL MEMBERS WITHOUT THE APPROVAL OF THE ENGINEER. ALL SUCH ITEMS SHALL NOT IMPAIR THE STRUCTURAL INTEGRITY OF THE MEMBER AS DETERMINED BY THE ENGINEER OF RECORD.
7. ALL STRUCTURAL SHAPES SHALL BE ASTM A992.
8. ALL STRUCTURAL BOLTS SHALL BE A325. ALL NUTS SHALL BE A563. ALL WASHERS SHALL BE F436. ALL THREADED RODS SHALL BE F1554 GR 105 UNLESS NOTED OTHERWISE.
9. ALL BOLTED CONNECTIONS SHALL BE TIGHTEN TO SNUG-TIGHT CONDITION.

SUBMITTALS:

1. SHOP DRAWINGS FOR ALL FABRICATED STEEL COMPONENTS.
2. MILL CERTIFICATIONS FOR TIE-RODS, NUT, AND WASHERS.
3. MILL CERTIFICATIONS FOR ALL SHEET PILES.
4. CERTIFICATE FOR PRESSURE TREATMENT OF TIMBER BUMPER.
5. MILL CERTIFICATE FOR GR50 STEEL PLATES.
6. OTHER SUBMITTALS LISTED IN THE PROJECT SPECIFICATIONS.
7. CERTIFICATE FOR SHEETPILE COATING.

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

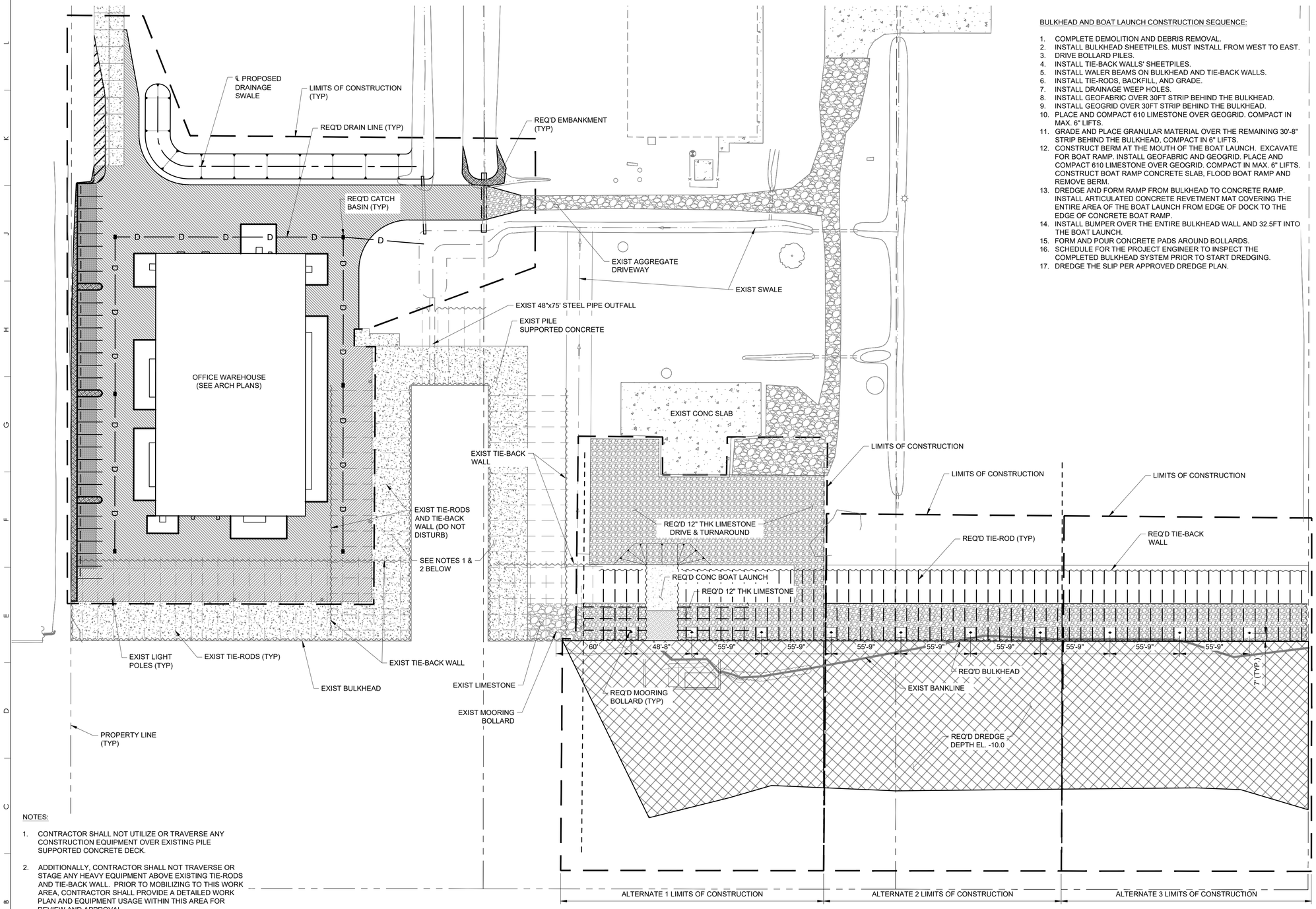
GENERAL NOTES

STATE OF LOUISIANA
STEPHEN C. BOURG
License No. 28240
PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING
09/25/25

DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

C-1.0



BULKHEAD AND BOAT LAUNCH CONSTRUCTION SEQUENCE:

1. COMPLETE DEMOLITION AND DEBRIS REMOVAL.
2. INSTALL BULKHEAD SHEETPILES. MUST INSTALL FROM WEST TO EAST.
3. DRIVE BOLLARD PILES.
4. INSTALL TIE-BACK WALLS' SHEETPILES.
5. INSTALL WALER BEAMS ON BULKHEAD AND TIE-BACK WALLS.
6. INSTALL TIE-RODS, BACKFILL, AND GRADE.
7. INSTALL DRAINAGE WEEP HOLES.
8. INSTALL GEOFABRIC OVER 30FT STRIP BEHIND THE BULKHEAD.
9. INSTALL GEOGRID OVER 30FT STRIP BEHIND THE BULKHEAD.
10. PLACE AND COMPACT 610 LIMESTONE OVER GEOGRID. COMPACT IN MAX. 6" LIFTS.
11. GRADE AND PLACE GRANULAR MATERIAL OVER THE REMAINING 30'-8" STRIP BEHIND THE BULKHEAD, COMPACT IN 6" LIFTS.
12. CONSTRUCT BERM AT THE MOUTH OF THE BOAT LAUNCH. EXCAVATE FOR BOAT RAMP. INSTALL GEOFABRIC AND GEOGRID. PLACE AND COMPACT 610 LIMESTONE OVER GEOGRID. COMPACT IN MAX. 6" LIFTS. CONSTRUCT BOAT RAMP CONCRETE SLAB, FLOOD BOAT RAMP AND REMOVE BERM.
13. DREDGE AND FORM RAMP FROM BULKHEAD TO CONCRETE RAMP. INSTALL ARTICULATED CONCRETE REVETMENT MAT COVERING THE ENTIRE AREA OF THE BOAT LAUNCH FROM EDGE OF DOCK TO THE EDGE OF CONCRETE BOAT RAMP.
14. INSTALL BUMPER OVER THE ENTIRE BULKHEAD WALL AND 32.5FT INTO THE BOAT LAUNCH.
15. FORM AND POUR CONCRETE PADS AROUND BOLLARDS.
16. SCHEDULE FOR THE PROJECT ENGINEER TO INSPECT THE COMPLETED BULKHEAD SYSTEM PRIOR TO START DREDGING.
17. DREDGE THE SLIP PER APPROVED DREDGE PLAN.

NOTES:

1. CONTRACTOR SHALL NOT UTILIZE OR TRAVERSE ANY CONSTRUCTION EQUIPMENT OVER EXISTING PILE SUPPORTED CONCRETE DECK.
2. ADDITIONALLY, CONTRACTOR SHALL NOT TRAVERSE OR STAGE ANY HEAVY EQUIPMENT ABOVE EXISTING TIE-RODS AND TIE-BACK WALL. PRIOR TO MOBILIZING TO THIS WORK AREA, CONTRACTOR SHALL PROVIDE A DETAILED WORK PLAN AND EQUIPMENT USAGE WITHIN THIS AREA FOR REVIEW AND APPROVAL.

NORTH

0 40' 80'

SCALE: 1" = 40'

C-2.0 SITE PLAN

LEGEND

- PROPERTY LINE
- PROPOSED FEATURE
- LIMITS OF CONSTRUCTION
- PROPOSED DITCH TOP
- REQ'D DRAIN LINE
- REQ'D CATCH BASIN
- REQ'D PZC13 BULKHEAD & TIE BACK WALL
- REQ'D TIE ROD
- REQ'D MOORING BOLLARD
- REQ'D 10" THK PCCP
- REQ'D 8" THK PCCP
- REQ'D 6" THK PCCP
- REQ'D PCCP
- REQ'D BOAT LAUNCH DREDGE & CONCRETE MAT
- REQ'D LIMESTONE
- REQ'D DREDGE
- EXIST CONC
- EXIST BULKHEAD & TIE BACK WALL

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

SITE PLAN

STATE OF LOUISIANA — STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

DATE 09/25/25

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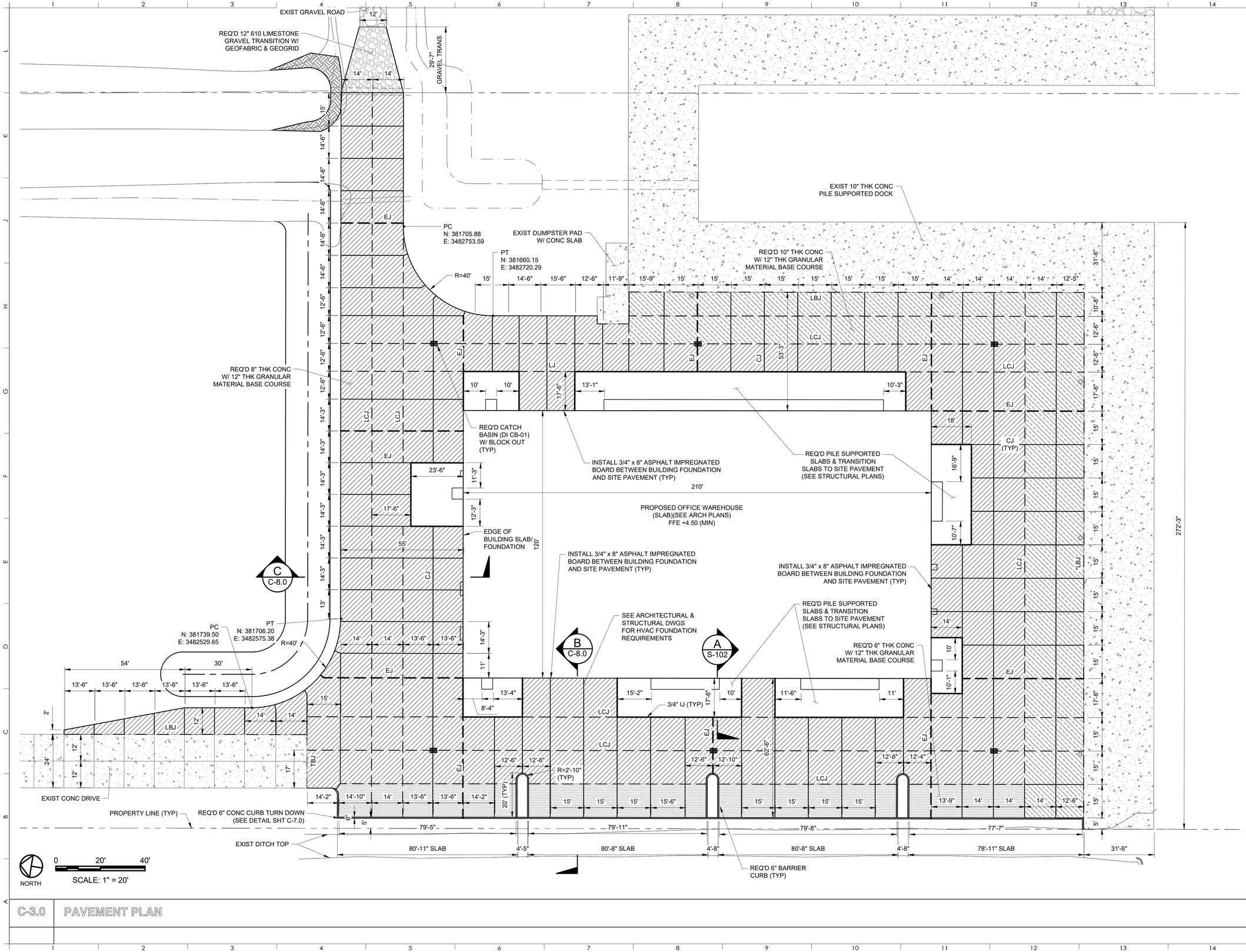
C-2.0



LEGEND

- PROPERTY LINE
- CONTRACTION JOINT (CJ)
- BUTT JOINT (LBJ/TBJ)
- EXPANSION JOINT (EJ)
- LONGITUDINAL CONSTRUCTION JOINT (LCJ)
- ISOLATION JOINT (IJ) PER DETAIL ON SHT C-6.0
- REQ'D 10" THK PCCP
- REQ'D 8" THK PCCP
- REQ'D 6" THK PCCP
- REQ'D 12" THK GRAVEL ROAD
- EXIST 10" THK CONC DOCK
- REQ'D CATCH BASIN/DI
- *LBJ — PER DETAIL ON SHT C-6.0

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

PAVEMENT PLAN

STATE OF LOUISIANA — STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

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C-3.0

NOTE:

FOR ALL JOINT DETAILS, SEE SHT C-7.0.

RESHAPE EXISTING TOP BANK

INV= -1.9

M.E.

EXIST GRAVEL ROAD

M.E.

REMOVE EXIST DOUBLE BARREL 36" CMP & REPLACE W/ 60LF OF 48" ULTRA-FLO METAL PIPE

INV= -2.05

+3.10

+3.10

+2.95

EXTEND EXIST 24" CMP 8LF N & S

INV= -0.20

RESHAPE EXISTING TOP BANK

EXTEND EXIST 24" CMP 8LF N & S

+3.40

+3.00

INV= +0.40

+3.15

INV= -2.15

INV= -2.10

EXIST 48"x75' STEEL PIPE (TO REMAIN)

EXIST 10" THK CONC PILE SUPPORTED DOCK (DO NOT DISTURB)

REQ'D 64 LF OF 24" A-2000 SDP

INV= +0.40

+3.43

REGRADE DISTURBED AREAS TO SLOPE TO EXISTING SWALE

EXIST DUMPSTER PAD W/ CONC SLAB

REQ'D 10" THK CONC W/ 12" THK GRANULAR MATERIAL BASE COURSE

REQ'D 116 LF OF 18" A-2000 SDP

REQ'D 130 LF OF 18" A-2000 SDP

REQ'D CB-01 TOC= +3.0 INV= +0.5

+3.56

+3.48

+3.80

+3.65

INV= +0.50

+3.65

+3.65

+3.10

+3.27

+3.27

+3.27

+3.53

+3.81

+4.09

+3.99

+3.24

+3.15

+3.10

+3.16

+3.27

+4.63

+4.28

+4.28

+3.53

+3.08

+3.17

+3.27

REQ'D CB-01 TOC= +3.90 INV= -1.88

+4.28

+3.50

REQ'D CB-01 TOC= +3.0 INV= +0.05

+3.50

+3.23

+3.03

+3.10

+3.16

+3.81

+4.09

3:1 VARIES

+3.53

+3.81

+4.09

+4.63

+4.63

+4.63

+4.63

+4.00

+4.00

+4.00

+3.29

+3.07

+3.14

+3.20

+3.27

REQ'D 8" THK CONC W/ 12" THK GRANULAR MATERIAL BASE COURSE

REQ'D 181 LF OF 18" A-2000 SDP

+4.63

+3.50

INV= +0.60

+3.53

+4.16

+4.36

+3.81

+4.16

REQ'D PILE SUPPORTED SLABS & TRANSITION SLABS TO SITE PAVEMENT (SEE STRUCTURAL PLANS)

℄ REQ'D V-BOTTOM SWALE SLOPED @ 0.2% W/ 3H:1V SIDE SLOPES

+3.81

+4.16

+4.00

+3.50

+3.20

+3.22

+3.25

+3.27

INV= +0.70

+3.53

+3.81

+4.09

+4.63

PROPOSED OFFICE WAREHOUSE (SLAB)(SEE ARCH PLANS) FFE +4.50 (MIN)

+4.00

+3.00

+3.81

+4.09

+4.63

+4.00

+4.00

+4.00

+4.00

+4.00

+4.00

+4.00

+4.00

INV= +0.80

+3.81

+4.09

+4.63

REQ'D PILE SUPPORTED SLABS & TRANSITION SLABS TO SITE PAVEMENT (TYP) (SEE STRUCTURAL PLANS)

INV= +0.90

+3.40

+3.00

+3.50

+3.07

+3.14

+3.20

+3.27

+3.46

+3.41

+3.35

+3.30

+3.25

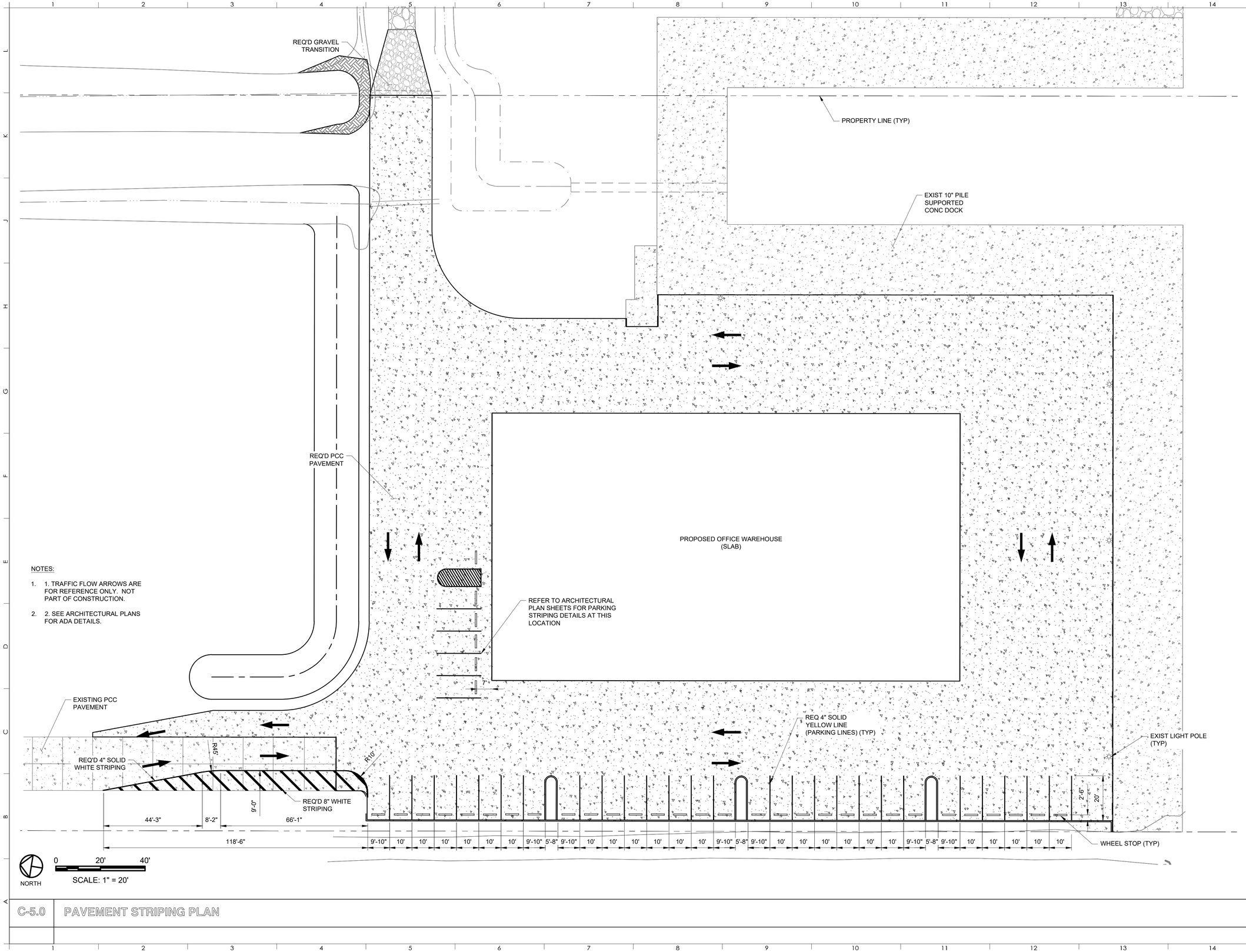
+3.45

+3.42

+3.50

+3.50

+3.50



C-5.0 PAVEMENT STRIPING PLAN

LEGEND

- PROPERTY LINE
- PROPOSED FEATURE
- REQ'D PCCP
- REQ'D GRAVEL ROAD
- EXIST CONC
- REQ'D CATCH BASIN
- TRAFFIC FLOW ARROW

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

PAVEMENT STRIPING PLAN

STATE OF LOUISIANA — STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

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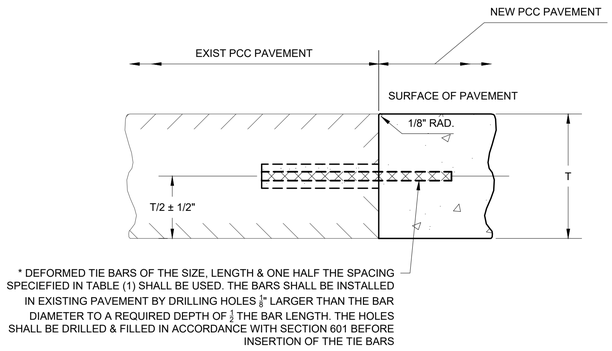
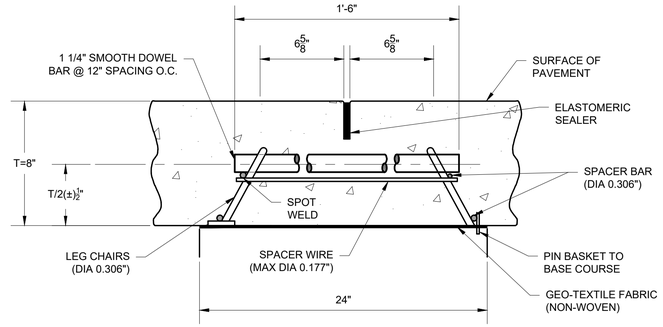
C-5.0



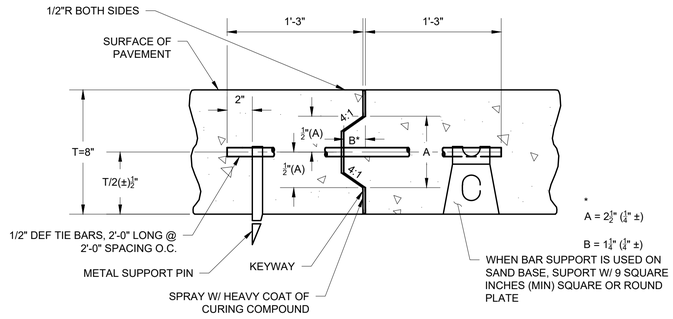
LONGITUDINAL BUTT JOINT (LBJ)

SCALE: 1" = 6'



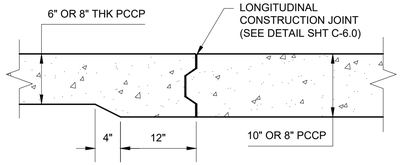
CONTRACTION JOINT (CJ)

SCALE: 1" = 6'



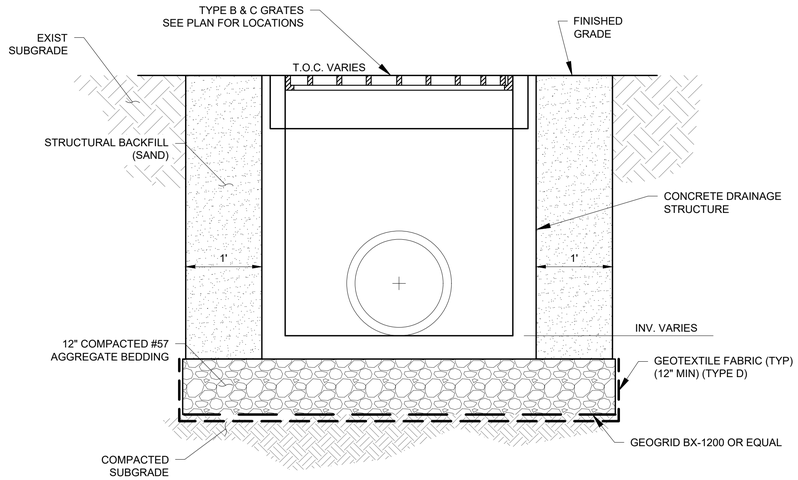
LONGITUDINAL CONSTRUCTION JOINT (LCJ)

SCALE: 1" = 6'



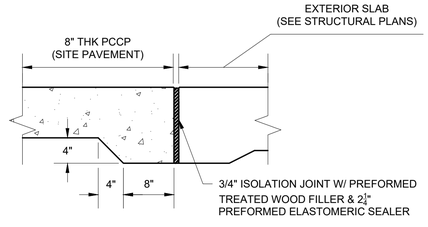
TRANSITION FROM 10" TO 8" OR 8" TO 6" PCC PAVEMENT @ LONGITUDINAL CONSTRUCTION JOINT

SCALE: 1" = 1'



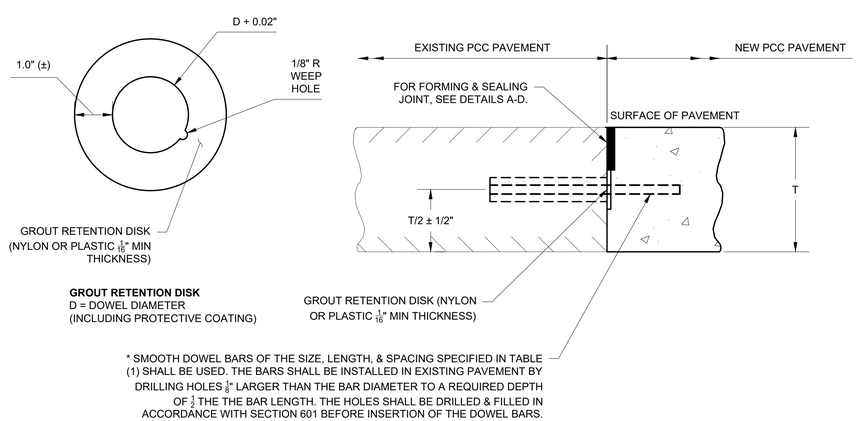
CATCH BASIN (CB-01) BEDDING DETAIL

SCALE: 1" = 1'



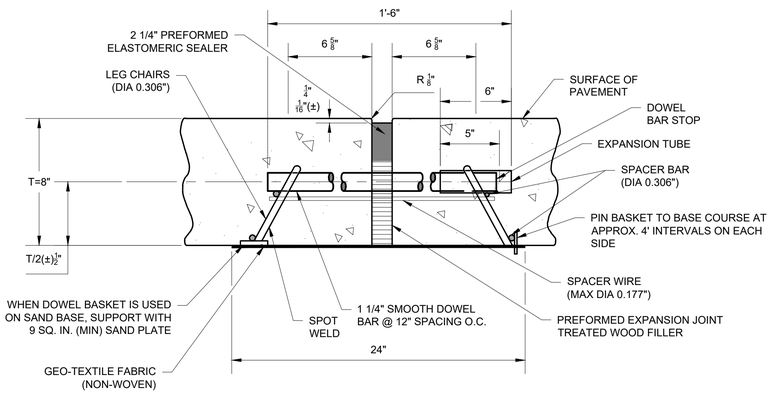
ISOLATION JOINT (IJ) @ EXTERIOR SLAB (TYPICAL)

SCALE: 1" = 1'



TRANSVERSE BUTT JOINT (BJ)

SCALE: 1" = 6'



EXPANSION JOINT (EJ)

SCALE: 1" = 6'

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

TYPICAL PAVEMENT DETAILS

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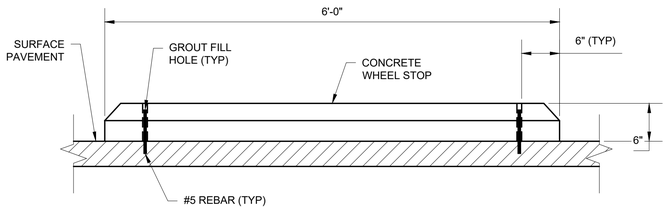
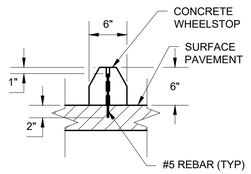
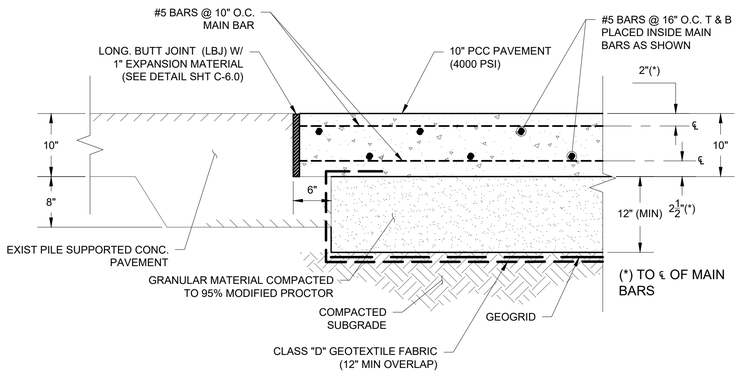


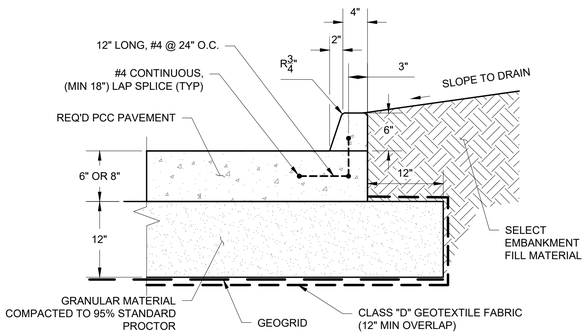
TYPICAL WHEEL STOP DETAIL
SCALE: 1" = 1'



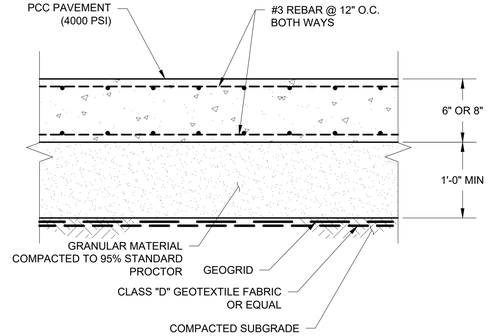
TYPICAL WHEEL STOP SECTION
SCALE: 1" = 1'



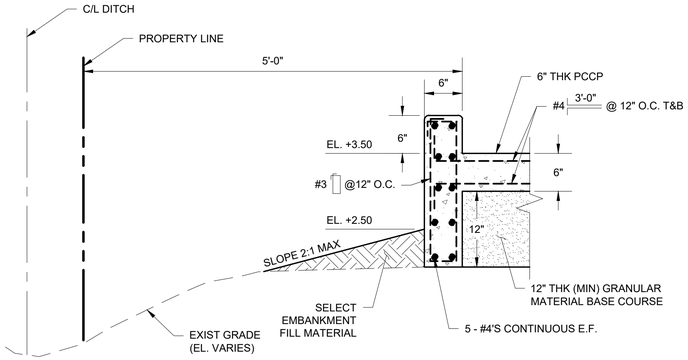
10" PCC PAVMENT @ EXISTING CONCRETE DOCK SECTION DETAIL
SCALE: 1" = 1'



6" BARRIER CURB @ PARKING BAYS SECTION DETAIL
SCALE: 1" = 1'



TYP. 6", 8" PCC PAVEMENT SECTION
SCALE: 1" = 1'



6" CONCRETE TURNDOWN ALONG WEST PARKING (LOOKING NORTH)
SCALE: 1" = 1'

DRAIN LINE BEDDING NOTES:

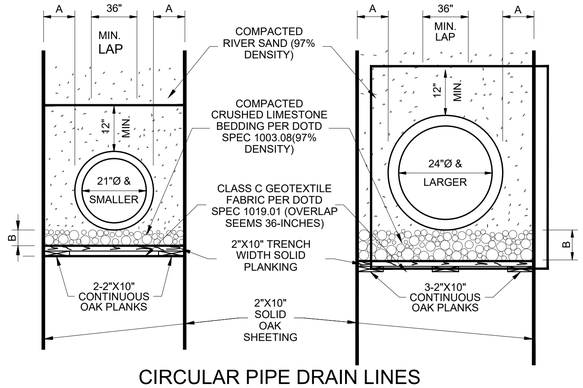
THE ENGINEER RESERVES THE RIGHT TO MODIFY PIPE BEDDING REQUIREMENTS IN ACCORDANCE WITH EXISTING FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

ALL CONCRETE PIPE SHALL BE A.S.T.M. C-76 CLASS III, WALL B, REINFORCED CONCRETE PIPE WITH TYPE 2 JOINT, AND WRAPPED WITH AN 36" PLASTIC FILTER CLOTH (D.O.T.D. SPEC. 1019) CENTERED ON THE JOINT AND LAPPED 36". REJECT PIPE, COMMONLY CALLED "SECONDS", WILL NOT BE ACCEPTABLE. (N.D.P.)

MINIMUM COVER REQUIREMENTS TO BE 12" FOR DRAIN LINES LOCATED WITHIN ROADWAY AND 18" FOR DRAIN LINES LOCATED OUTSIDE OF ROADWAY.

SHEETING IS AT THE OPTION OF THE CONTRACTOR. NO TIMBER SHEETING IS TO BE PULLED FROM THE GROUND. TIMBER SHEETING, WHEN USED, SHALL BE CUT OFF TO A MINIMUM OF 3' BELOW GRADE AND LEFT IN PLACE.

PIPE DIA.	DIMENSION 'A' MIN.	DIMENSION 'B' MIN.
15	6"	12"
18	6"	12"
21	6"	12"
24	6"	12"
30	12"	12"
36	12"	12"
42	12"	18"
48	12"	18"
54	15"	18"
60	18"	24"
66	18"	24"
72	18"	24"



CIRCULAR PIPE DRAIN LINES
DRAIN LINE BEDDING AND BACKFILL DETAILS FOR RCP & CMP
SCALE: N.T.S.

DRAIN LINE BEDDING NOTES:

THE ENGINEER RESERVES THE RIGHT TO MODIFY PIPE BEDDING REQUIREMENTS IN ACCORDANCE WITH EXISTING FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

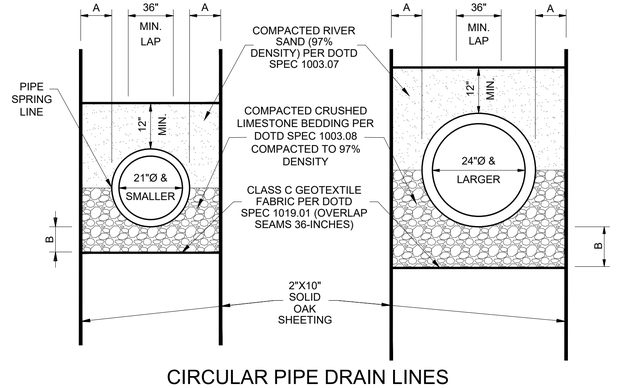
JOINT SHALL BE WRAPPED WITH A 36" WIDE GEOTEXTILE FABRIC (D.O.T.D. SPEC. 1019) CENTERED ON THE JOINT AND LAPPED 36". REJECT PIPE, COMMONLY CALLED "SECONDS", WILL NOT BE ACCEPTABLE. (N.D.P.)

MINIMUM COVER REQUIREMENTS TO BE 12" FOR DRAIN LINES LOCATED WITHIN ROADWAY AND 18" FOR DRAIN LINES LOCATED OUTSIDE OF ROADWAY.

SHEETINGS AT THE OPTION OF THE CONTRACTOR. NO TIMBER SHEETING IS TO BE PULLED FROM THE GROUND. TIMBER SHEETING, WHEN USED, SHALL BE CUT OFF TO A MINIMUM OF 3' BELOW GRADE AND LEFT IN PLACE.

ALL PLANKING AND SHEETING TO BE OAK.

PIPE DIA.	DIMENSION 'A' MIN.	DIMENSION 'B' MIN.
15"	12"	12"
18"	12"	12"
21"	12"	12"
24"	18"	18"
30"	18"	18"
36"	18"	18"



CIRCULAR PIPE DRAIN LINES
STORM DRAIN LINE BEDDING & BACKFILL DETAILS FOR A-2000 PLASTIC PIPE
SCALE: N.T.S.

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
A	ISSUED FOR BID	09/25/25
3	CDS – ISSUED FOR APPROVAL	05/15/25
2	CDS - ISSUED FOR APPROVAL	04/21/22
1	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

CRUMP WILSON ARCHITECTS
9311 Bluebonnet Blvd. Suite B
Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

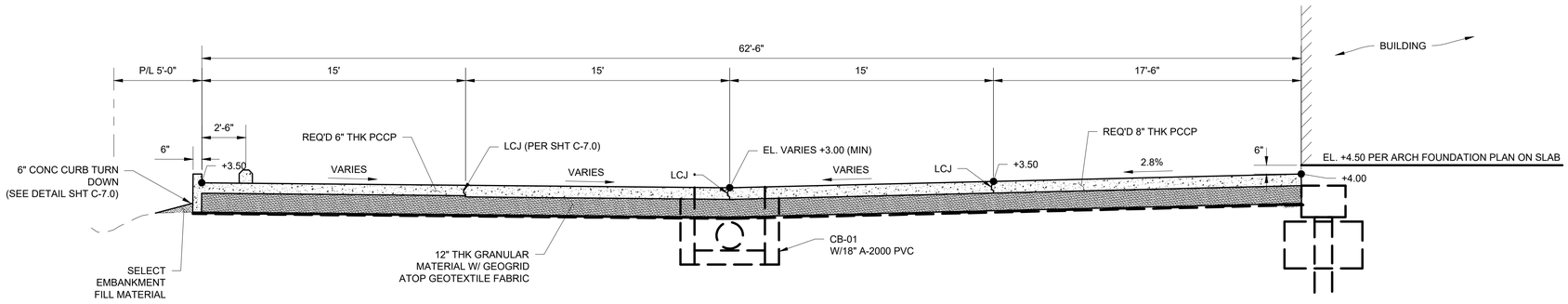
HOUMA, LA

TYPICAL PAVEMENT DETAILS 2

STATE OF LOUISIANA — STEPHEN C. BOURG, License No. 28240, PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

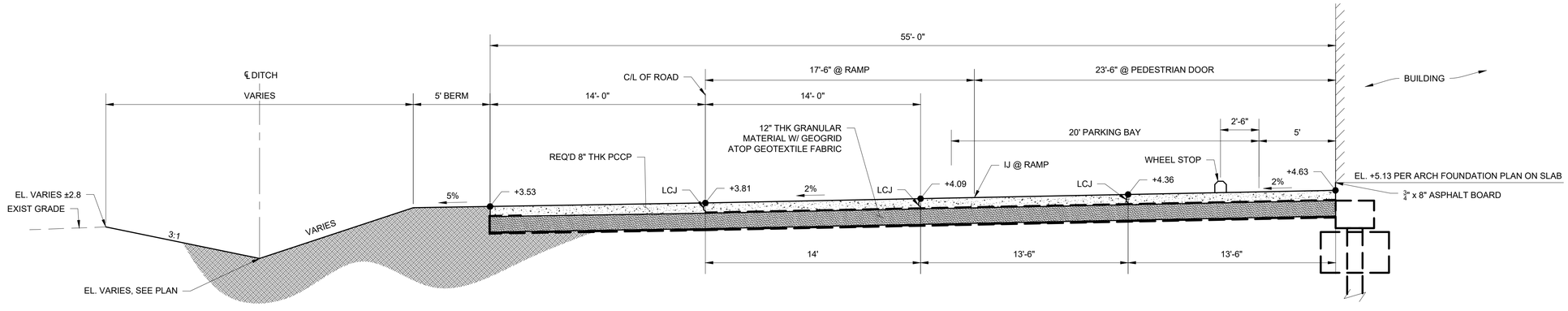
STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED
DATE	09/25/25		

C-7.0



B / C-3.0 SECTION @ ROADWAY WEST

SCALE: 1" = 4'



C / C-3.0 SECTION @ ROADWAY NORTH

SCALE: 1" = 4'

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

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A	CDS - ISSUED FOR APPROVAL	04/21/22
A	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

SITE SECTIONS

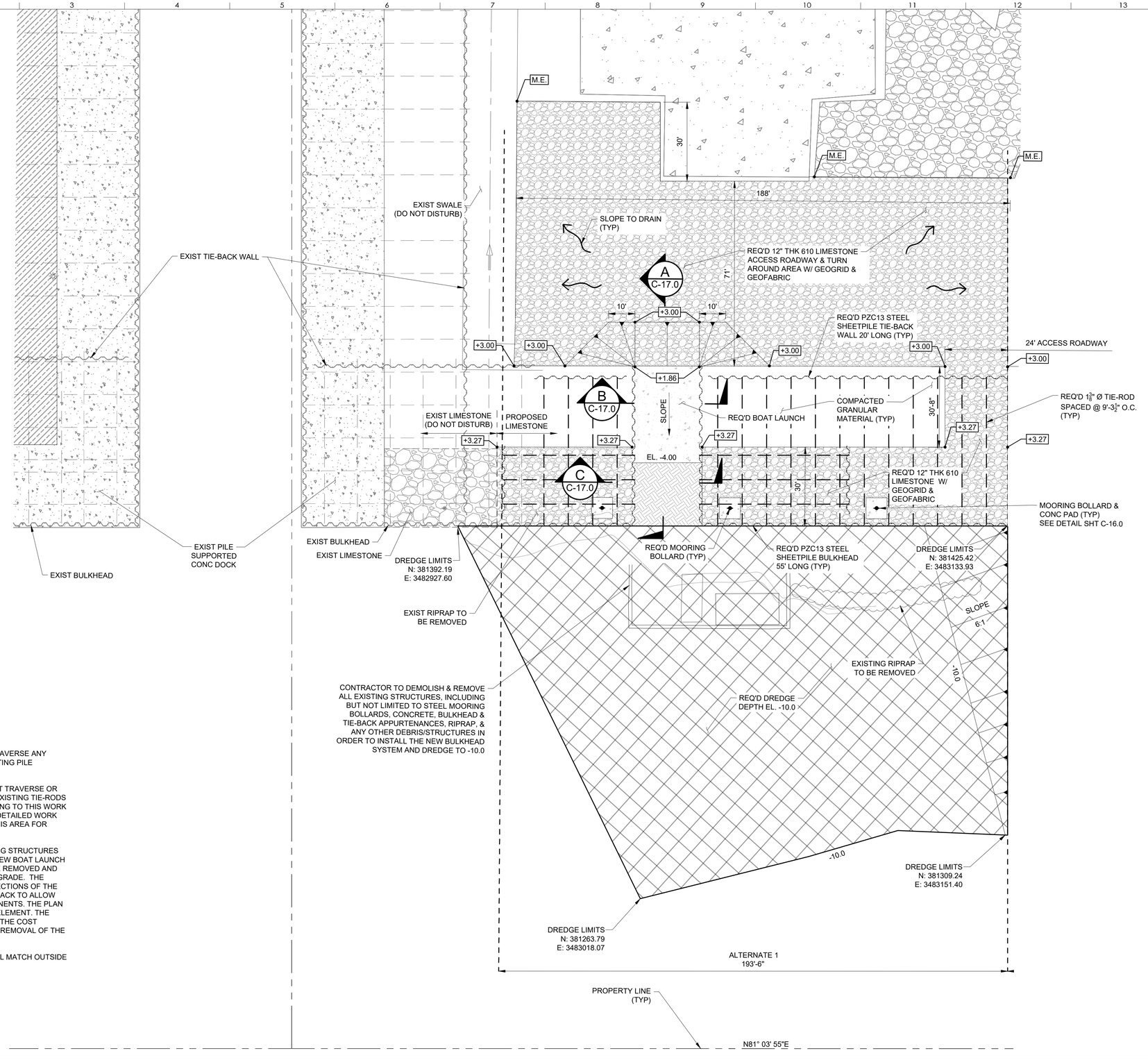
STATE OF LOUISIANA — STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

C-8.0

C-8.0 SITE SECTIONS



NOTES:

1. CONTRACTOR SHALL NOT UTILIZE OR TRAVERSE ANY CONSTRUCTION EQUIPMENT OVER EXISTING PILE SUPPORTED CONCRETE DECK.
2. ADDITIONALLY, CONTRACTOR SHALL NOT TRAVERSE OR STAGE ANY HEAVY EQUIPMENT ABOVE EXISTING TIE-RODS AND TIE-BACK WALL. PRIOR TO MOBILIZING TO THIS WORK AREA, CONTRACTOR SHALL PROVIDE A DETAILED WORK PLAN AND EQUIPMENT USAGE WITHIN THIS AREA FOR REVIEW AND APPROVAL.
3. THERE ARE VISIBLE AND BURIED EXISTING STRUCTURES AND OTHER DEBRIS AT AND NEAR THE NEW BOAT LAUNCH AREA. ALL EXISTING ELEMENTS MUST BE REMOVED AND CUT OFF TO MIN. DEPTH OF 3FT BELOW GRADE. THE CONTRACTOR MAY NEED TO REMOVE SECTIONS OF THE EXISTING BULKHEAD WALL AND ITS TIE-BACK TO ALLOW FOR INSTALLATION OF THE NEW COMPONENTS. THE PLAN DOES NOT SHOW ALL OF THE EXISTING ELEMENT. THE CONTRACTOR IS RESPONSIBLE FOR ALL THE COST ASSOCIATED WITH ENCOUNTERING AND REMOVAL OF THE EXISTING ELEMENTS.
4. OUTSIDE FACE OF NEW SHEETPILE SHALL MATCH OUTSIDE FACE OF EXISTING SHEETPILE.

NORTH

0 20' 40'

SCALE: 1" = 20'

LEGEND

- PROPOSED FEATURE
- REQ'D PZC13 BULKHEAD & TIE-BACK WALL
- REQ'D TIE ROD
- REQ'D MOORING BOLLARD
- REQ'D PCCP
- REQ'D BOAT LAUNCH DREDGE & CONCRETE MAT
- REQ'D LIMESTONE
- REQ'D DREDGE
- EXIST CONC
- EXIST BULKHEAD & TIE BACK WALL

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

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A	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

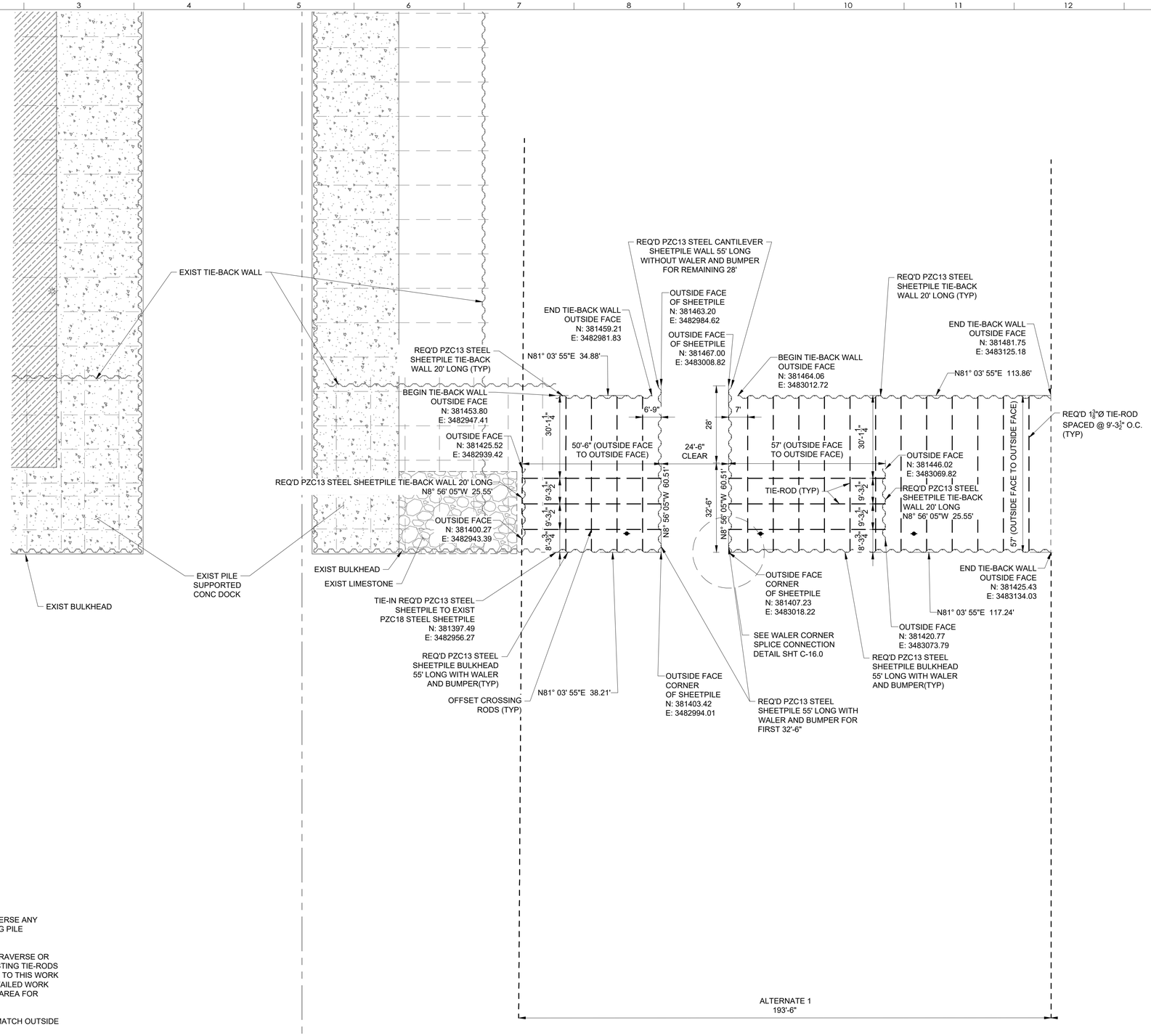
HOUMA, LA

BULKHEAD ALT. 1 SITE PLAN

STATE OF LOUISIANA
STEPHEN C. BOURG
License No. 28240
PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING
DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

C-9.0



NOTES:

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2. ADDITIONALLY, CONTRACTOR SHALL NOT TRAVERSE OR STAGE ANY HEAVY EQUIPMENT ABOVE EXISTING TIE-RODS AND TIE-BACK WALL. PRIOR TO MOBILIZING TO THIS WORK AREA, CONTRACTOR SHALL PROVIDE A DETAILED WORK PLAN AND EQUIPMENT USAGE WITHIN THIS AREA FOR REVIEW AND APPROVAL.
3. OUTSIDE FACE OF NEW SHEETPILE SHALL MATCH OUTSIDE FACE OF EXISTING SHEETPILE.

NORTH

0 20' 40'

SCALE: 1" = 20'

LEGEND

- PROPOSED FEATURE
- REQ'D PZC13 BULKHEAD & TIE BACK WALL
- REQ'D TIE ROD
- REQ'D MOORING BOLLARD
- REQ'D PCCP
- REQ'D BOAT LAUNCH DREDGE & CONCRETE MAT
- REQ'D LIMESTONE
- REQ'D DREDGE
- EXIST CONC
- EXIST BULKHEAD & TIE BACK WALL

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

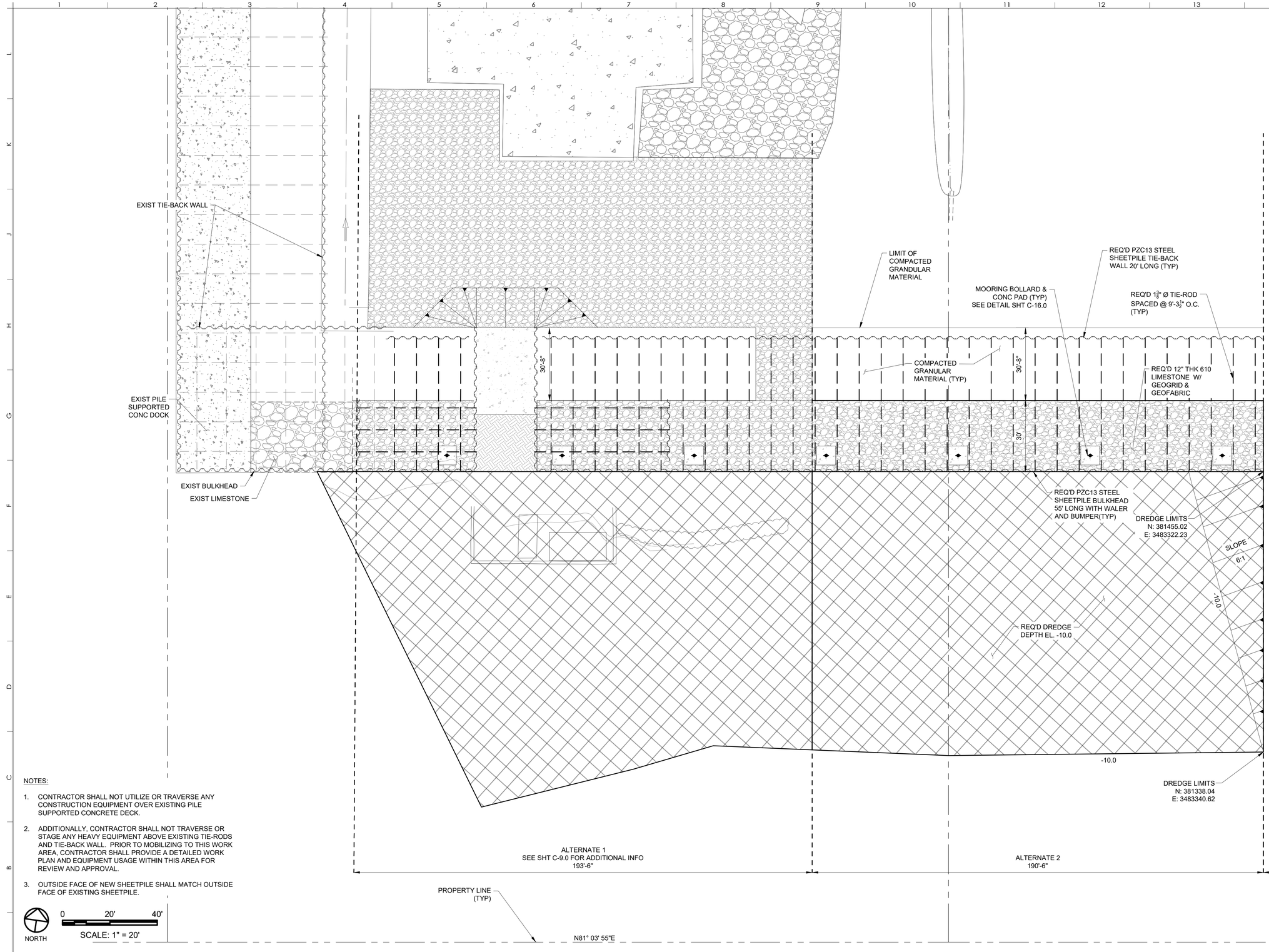
BULKHEAD ALT. 1 SHEETPILE LAYOUT

STATE OF LOUISIANA — STEPHEN C. BOURG — License No. 28240 — PROFESSIONAL ENGINEER IN — CIVIL ENGINEERING

DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314
SITE ID# 3-55-003	PROJECT NO. 2020-23
STATE ID#	FILE NAME LHMC1
PM/PIC EM/MW	DRAWN BY JED

C-10.0



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NORTH

0 20' 40'

SCALE: 1" = 20'

LEGEND

- PROPOSED FEATURE
- REQ'D PZC13 BULKHEAD & TIE BACK WALL
- REQ'D TIE ROD
- REQ'D MOORING BOLLARD
- REQ'D PCCP
- REQ'D BOAT LAUNCH DREDGE & CONCRETE MAT
- REQ'D LIMESTONE
- REQ'D DREDGE
- EXIST CONC
- EXIST BULKHEAD & TIE BACK WALL

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

BULKHEAD ALT. 1 & 2 SITE PLAN

STATE OF LOUISIANA — STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

C-11.0

NOTES:

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LEGEND

- PROPOSED FEATURE
- REQ'D PZC13 BULKHEAD & TIE BACK WALL
- REQ'D TIE ROD
- REQ'D MOORING BOLLARD
- REQ'D PCCP
- REQ'D BOAT LAUNCH DREDGE & CONCRETE MAT
- REQ'D LIMESTONE
- REQ'D DREDGE
- EXIST CONC
- EXIST BULKHEAD & TIE BACK WALL

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

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4	ISSUED FOR BID	09/25/25
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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

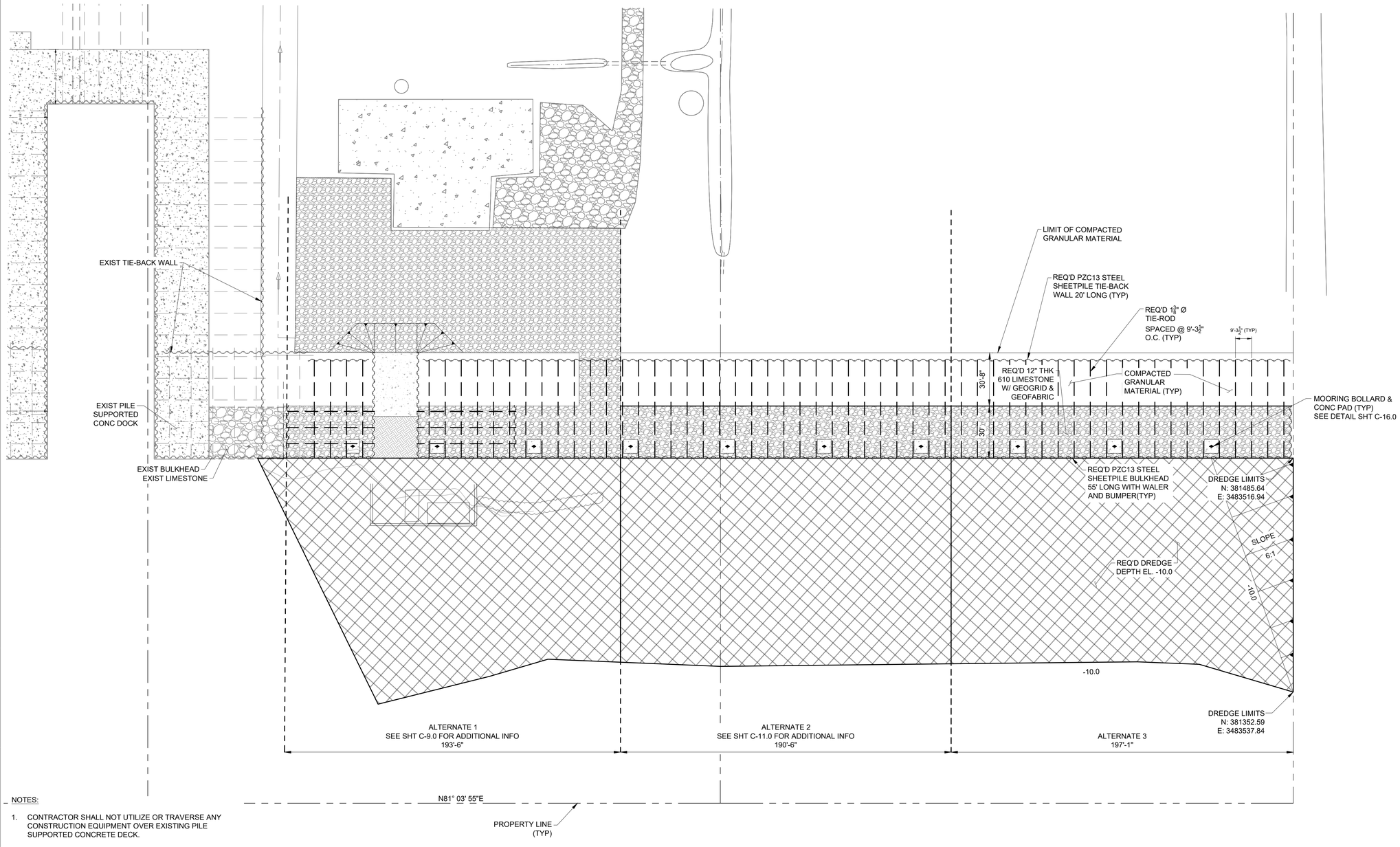
BULKHEAD ALT. 1 & 2 SHEETPILE LAYOUT

STATE OF LOUISIANA
STEPHEN C. BOURG
License No. 38240
PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING

DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

C-12.0



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3. OUTSIDE FACE OF NEW SHEETPILE SHALL MATCH OUTSIDE FACE OF EXISTING SHEETPILE.

NORTH

0 30' 60'

SCALE: 1" = 30'

C-13.0 BULKHEAD ALT. 1, 2 & 3 SITE PLAN

LEGEND

- PROPOSED FEATURE
- REQ'D PZC13 BULKHEAD & TIE BACK WALL
- REQ'D TIE ROD
- REQ'D MOORING BOLLARD
- REQ'D PCCP
- REQ'D BOAT LAUNCH DREDGE & CONCRETE MAT
- REQ'D LIMESTONE
- REQ'D DREDGE
- EXIST CONC
- EXIST BULKHEAD & TIE BACK WALL

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

BULKHEAD ALT. 1, 2 & 3 SITE PLAN

STATE OF LOUISIANA
STEPHEN C. BOURG
License No. 28240
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

DATE 09/25/25

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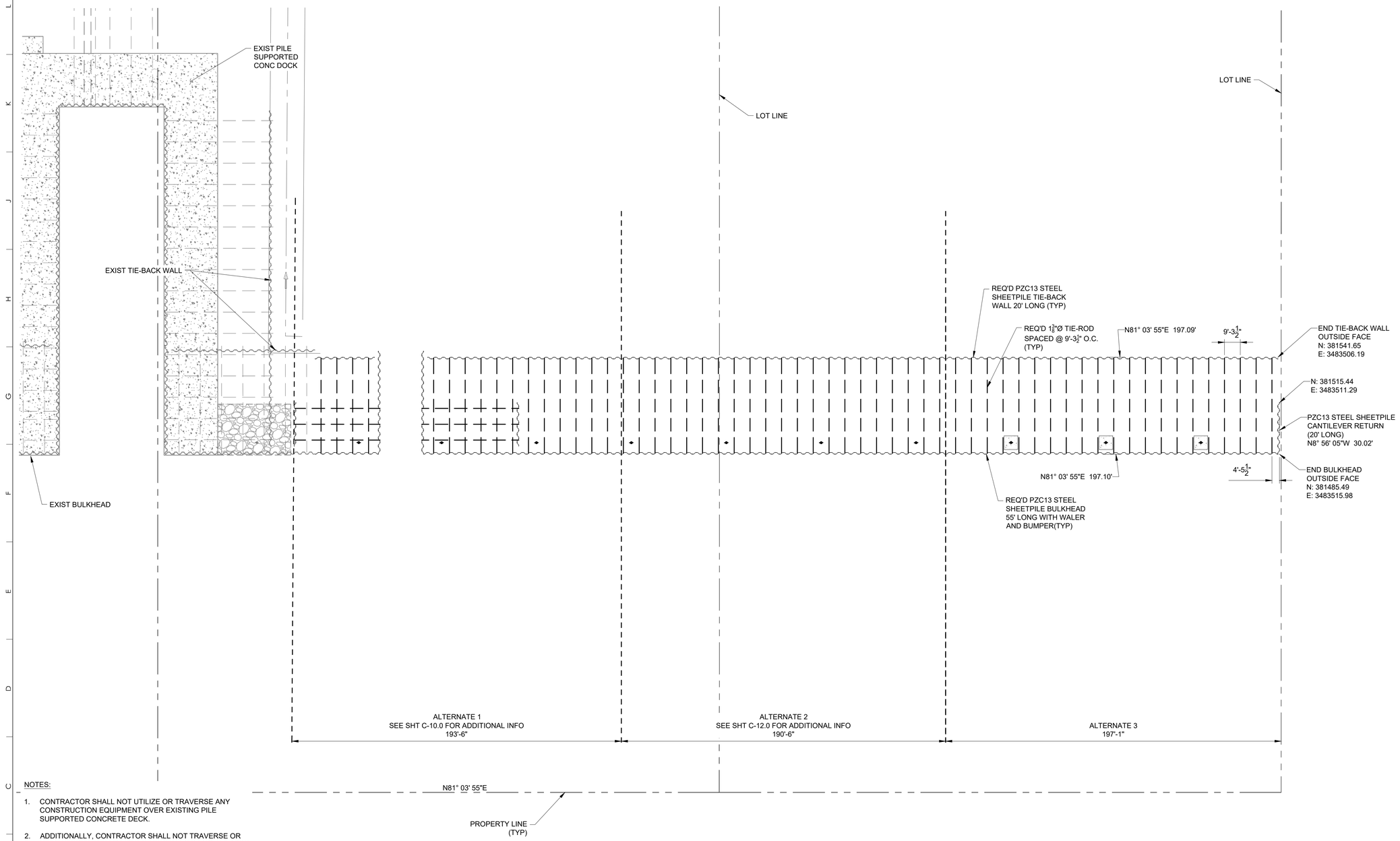
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

C-13.0



NOTES:

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0 30' 60'

SCALE: 1" = 30'

LEGEND

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- REQ'D MOORING BOLLARD
- REQ'D PCCP
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- REQ'D LIMESTONE
- REQ'D DREDGE
- EXIST CONC
- EXIST BULKHEAD & TIE BACK WALL

All South Consulting Engineers

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

BULKHEAD ALT. 1, 2 & 3 SHEETPILE LAYOUT

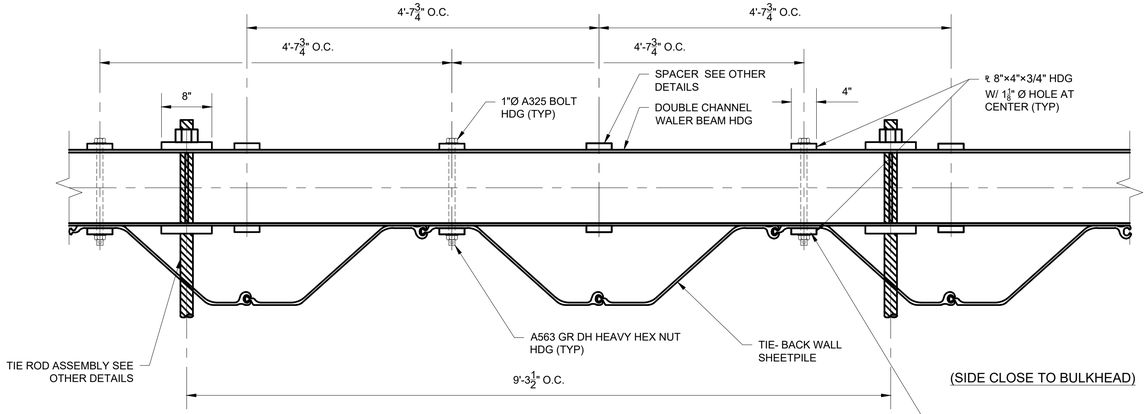
STATE OF LOUISIANA — STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING — 09/25/25

DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314
SITE ID# 3-55-003	PROJECT NO. 2020-23
STATE ID#	FILE NAME LHMC1
PM/PIC EM/MW	DRAWN BY JED

C-14.0

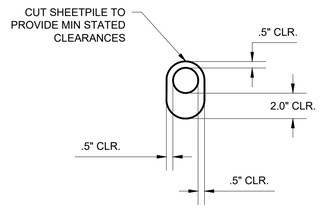
C-14.0 BULKHEAD ALT. 1, 2 & 3 SHEETPILE LAYOUT



(SIDE CLOSE TO BULKHEAD)

TYPICAL TIE-BACK WALL SHEETPILE TO WALER BEAM ATTACHMENT DETAIL

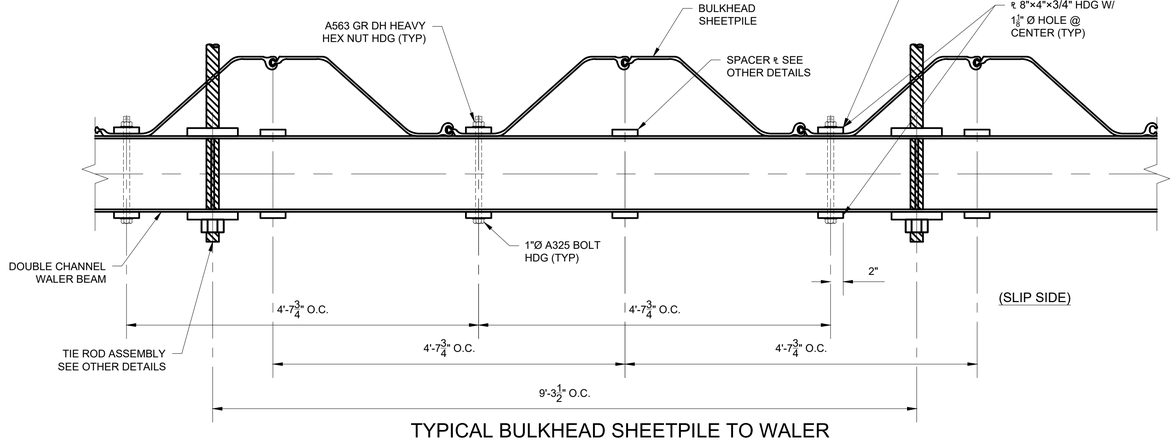
SCALE: 1" = 1'-0"



SECTION-ROD PENETRATING SHEETPILE

SCALE: 1" = 6'

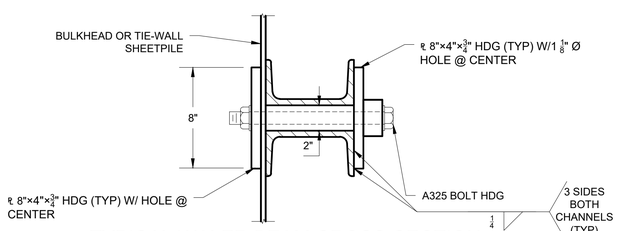
ENSURE PLATE HAS FULL BEARING ALONG LARGER FLANGE AT SHEETPILE. (TYP)



(SLIP SIDE)

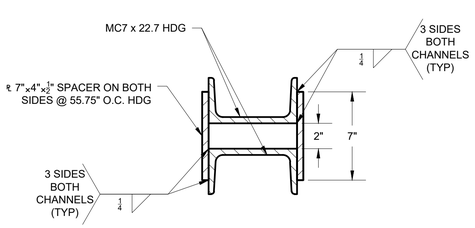
TYPICAL BULKHEAD SHEETPILE TO WALER BEAM ATTACHMENT DETAIL

SCALE: 1" = 1'-0"



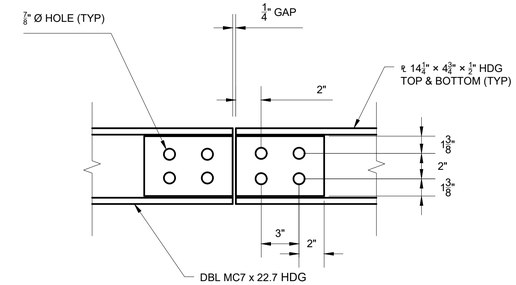
TYPICAL WALER BEAM CROSS-SECTION AT ATTACHMENT BOLT LOCATION

SCALE: 1" = 6'

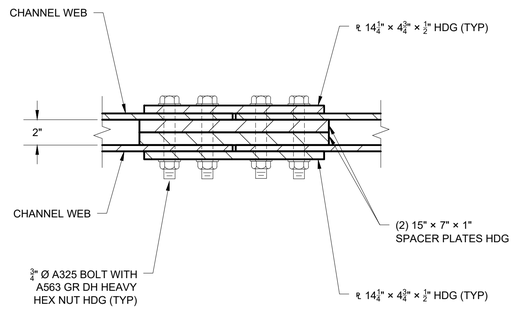


TYPICAL WALER BEAM SPACER PLATE DETAIL AWAY FROM TIE-ROD LOCATIONS

SCALE: 1" = 6'



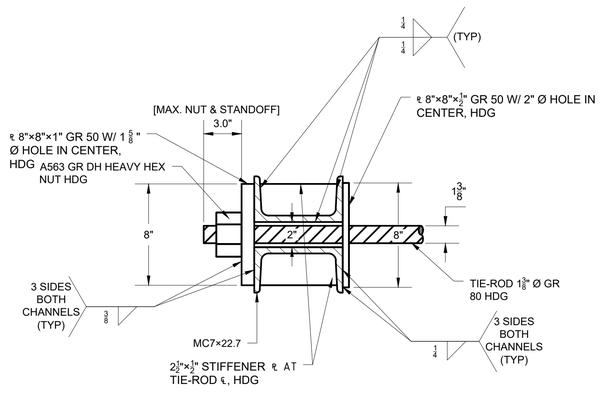
PLAN



SECTION

TYPICAL WALER BEAM SPLICE DETAIL

SCALE: 1" = 1'-0"



TYPICAL WALER BEAM CROSS-SECTION AT TIE-ROD LOCATION FOR BOTH BULKHEAD & TIE-BACK WALL WALER

SCALE: 1" = 6'

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
A	ISSUED FOR BID	09/25/25
A	CDS – ISSUED FOR APPROVAL	05/15/25
A	CDS - ISSUED FOR APPROVAL	04/21/22
A	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

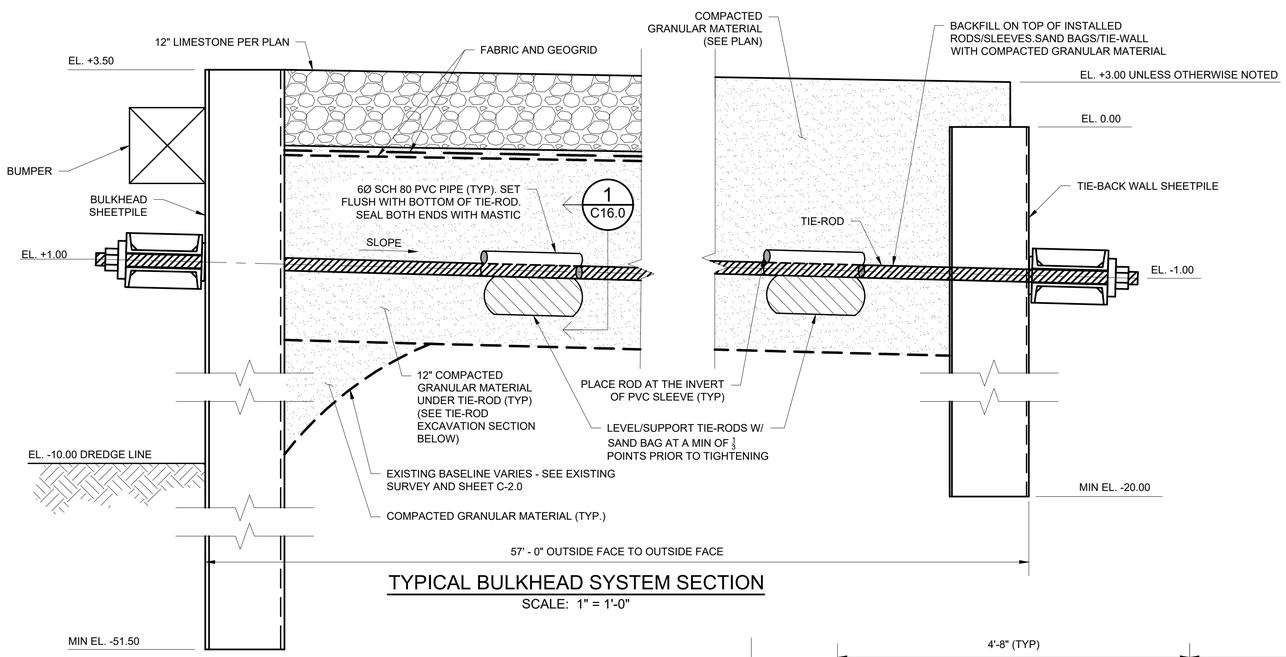
HOUMA, LA

TYPICAL DETAILS 1

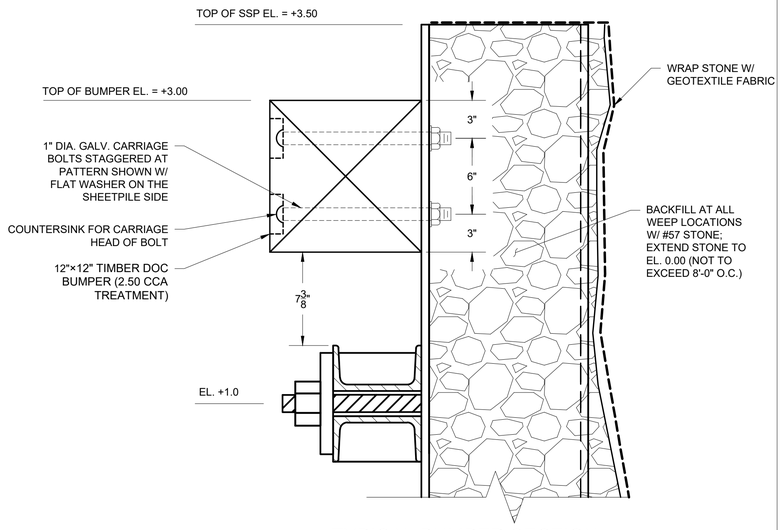
STATE OF LOUISIANA
STEPHEN C. BOURG
License No. 28240
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
DATE 09/25/25

STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

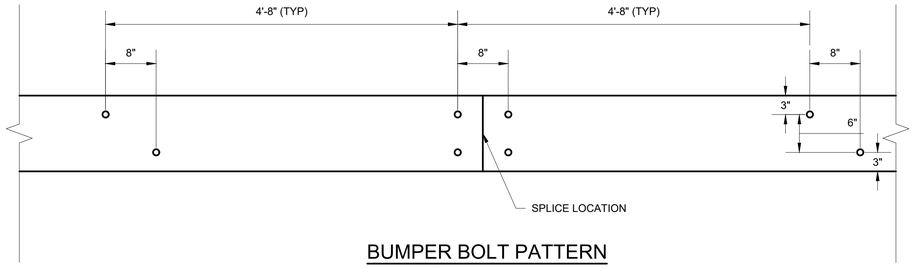
C-15.0



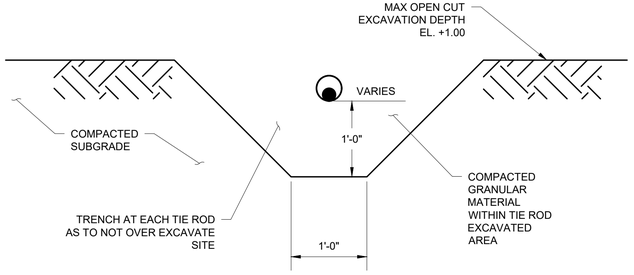
TYPICAL BULKHEAD SYSTEM SECTION
SCALE: 1" = 1'-0"



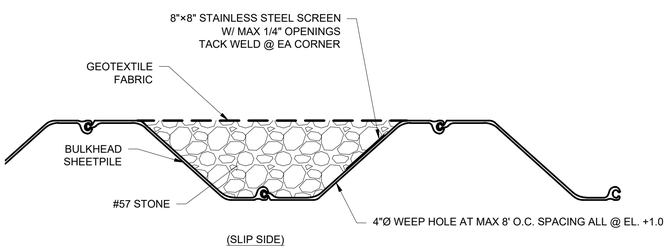
TYPICAL BUMPER SECTION
SCALE: 1" = 6"



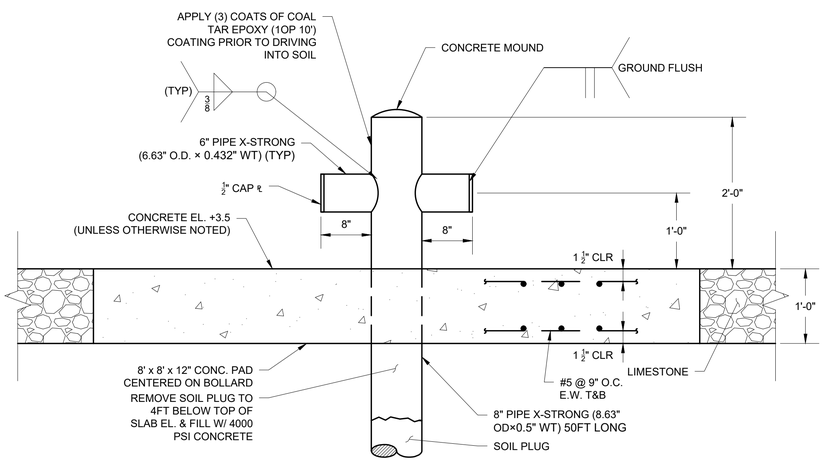
BUMPER BOLT PATTERN
SCALE: 1" = 1'-0"



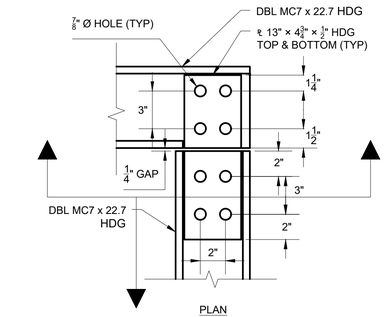
1 C16.0 TIE-ROD EXCAVATION SECTION
SCALE: 1" = 1'-0"

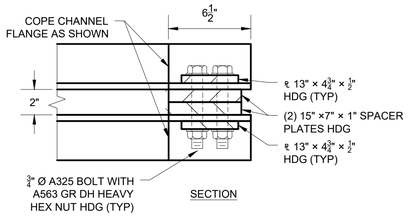


TYPICAL DRAINAGE WEEP HOLE DETAIL
SCALE: 1" = 1'-0"



TYPICAL MOORING BOLLARD DETAIL
SCALE: 1" = 1'-0"





TYPICAL WALER BEAM CORNER CONNECTION SPLICE DETAIL
SCALE: 1" = 6"

All South Consulting Engineers
GFP ARCHITECTURE INTERIOR DESIGN

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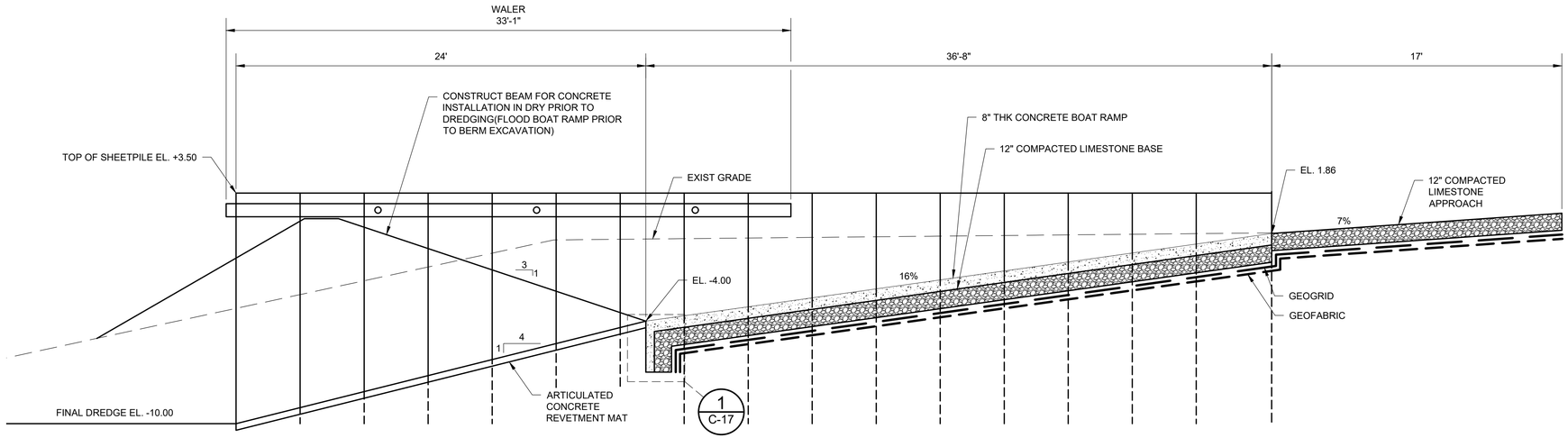
NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

TYPICAL DETAILS 2

STATE OF LOUISIANA — STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
DATE 09/25/25

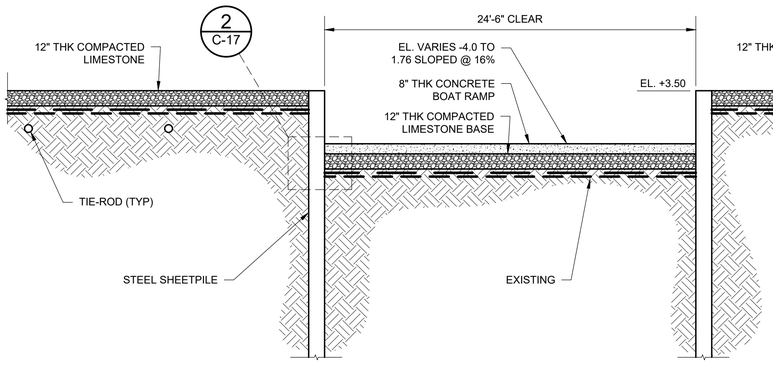
STATE PROJ. #	19-674-19-01, F.19002314
SITE ID# 3-55-003	PROJECT NO. 2020-23
STATE ID#	FILE NAME LHMC1
PM/PIC EM/MW	DRAWN BY JED

C-16.0



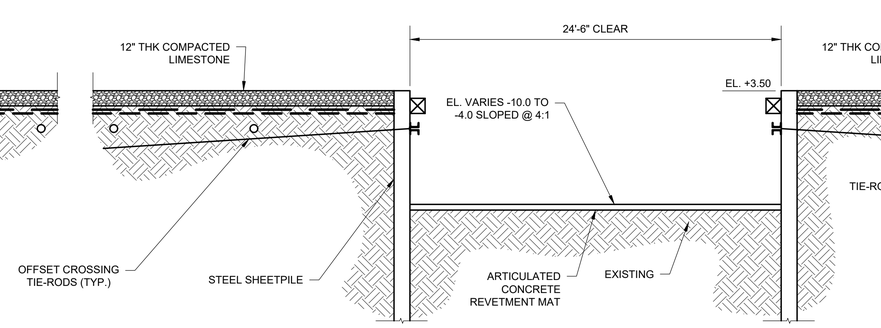
A C-17 LONGITUDINAL BOAT LAUNCH SECTION

SCALE: 1" = 4'



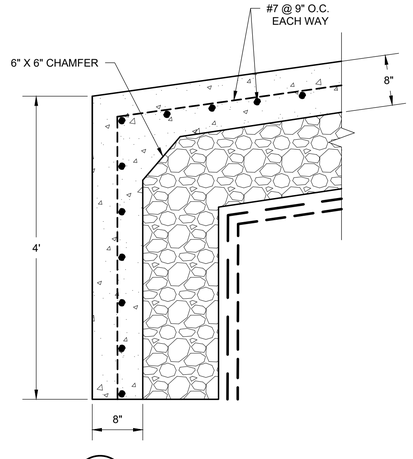
B C-17 BOAT LAUNCH CROSS SECTION THROUGH CONCRETE

SCALE: 1" = 4'



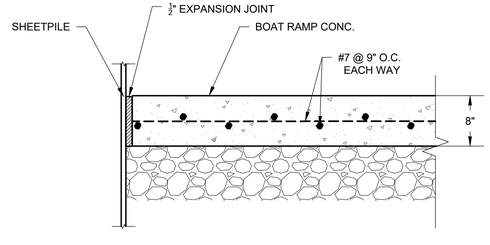
C C-17 BOAT LAUNCH CROSS SECTION THROUGH DREDGED/MATTED AREA

SCALE: 1" = 4'



1 C-17 DETAIL

SCALE: 1" = 1'



2 C-17 DETAIL

SCALE: 1" = 1'

C-17.0 SHEETPILE SECTIONS

All South Consulting Engineers

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

SHEETPILE SECTIONS

STATE OF LOUISIANA STEPHEN C. BOURG License No. 28240 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

DATE 09/25/25

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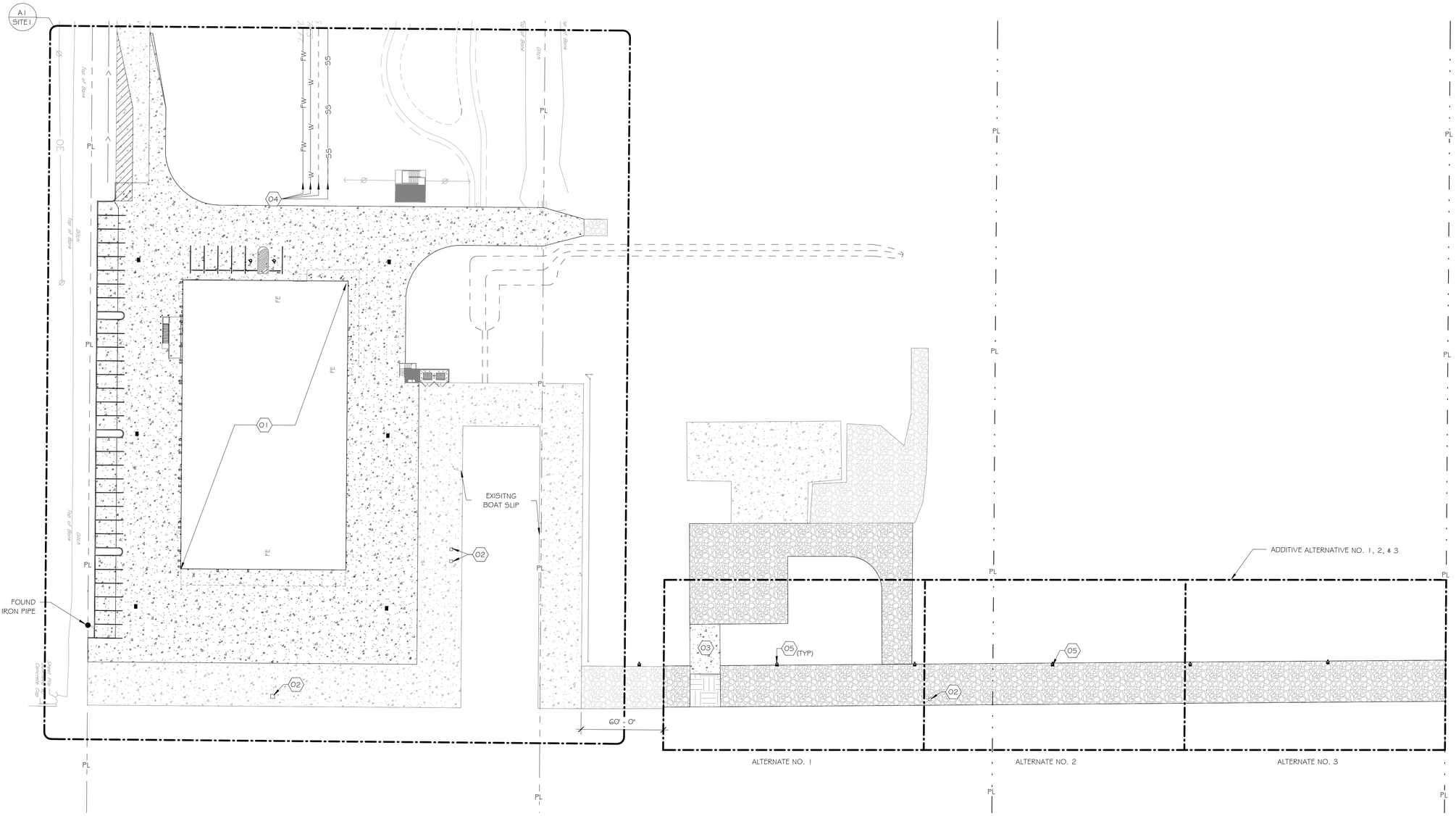
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	JED

C-17.0



REFERENCE NOTES

01. NEW OFFICE/WAREHOUSE
02. BULKHEAD UTILITY PEDESTAL; RE: ELECTRICAL, CIVIL, & MECHANICAL
03. PROPOSED CONCRETE BOAT LAUNCH; RE: CIVIL
04. CONTRACTOR TO FIELD LOCATE STUB-UPS OF ALL EXISTING UTILITIES. COORDINATE WITH CIVIL AND PLUMBING FOR THE TIE-IN AND EXTENSION OF SERVICES TO NEW PROJECT
05. LIGHT POLE; RE: ELECTRICAL

GENERAL NOTES

1. THIS SITE PLAN IS BASED ON TOPOGRAPHIC & BOUNDARY SURVEY BY LEONARD CHAUVIN P.E., P.L.S., INC. DATED AUGUST 2021. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AS THEY RELATE TO SITE IMPROVEMENTS, CONFLICTS, AND OMISSIONS AT TIME OF BID AND AGAIN AT DATE OF MOBILIZATION.

LEGEND

- PL — PROPERTY LINE
- SS — SANITARY SEWER FORCE MAIN.
- W — DOMESTIC WATER LINE
- FW — FIRE WATER LINE
- SEA WATER LINE
- EXISTING SITE PAVING TO REMAIN
- NEW SITE PAVING, RE: CIVIL
- EXISTING LIMESTONE, RE: CIVIL.
- NEW LIMESTONE, RE: CIVIL.
- PROPOSED FILL, RE: CIVIL.

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

NORTH

0 10' 20' 40' 80'
SCALE: 1" = 40' - 0"

NO.	REVISION / DESCRIPTION	DATE
C	ISSUED FOR BID	09/25/25
B	CDS-ISSUED FOR APPROVAL	05/15/25
A	CDS - ISSUED FOR APPROVAL	04/21/22

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

OVERALL SITE PLAN

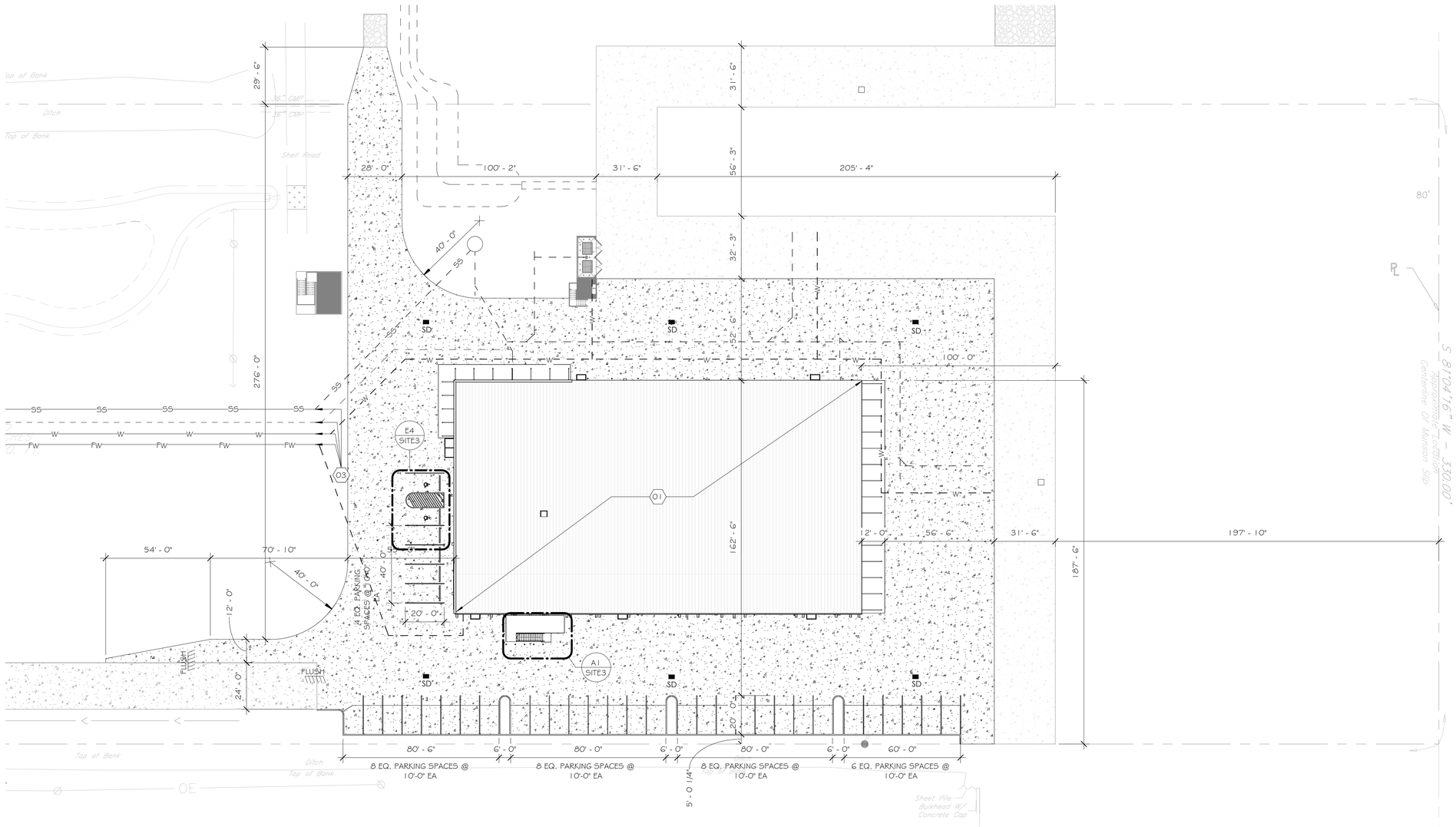
MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #	19-674-19-01, F.19002314		
SITE ID#	3-55-003	PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EM/MW	DRAWN BY	PED
DATE	09/25/2025		

SITE

A1 | OVERALL SITE PLAN

1" = 40'-0" | RE: A1 / SITE1



NORTH

0 10' 20' 30' 60'

SCALE: 1" = 30' - 0"

REFERENCE NOTES

01 NEW OFFICE/ WAREHOUSE

02 SHORE POWER PEDESTAL; RE:1 ELECTRICAL

03 CONTRACTOR TO FIELD LOCATE STUB-UPS OF ALL EXISTING UTILITIES. COORDINATE WITH CIVIL AND PLUMBING FOR THE TIE-IN AND EXTENSION OF SERVICES TO NEW PROJECT

GENERAL NOTES

1. THIS SITE PLAN IS BASED ON TOPOGRAPHIC & BOUNDARY SURVEY BY LEONARD CHAUVIN P.E., P.L.S., INC. DATED AUGUST 2021. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AS THEY RELATE TO SITE IMPROVEMENTS, CONFLICTS, AND OMISSIONS AT TIME OF BID AND AGAIN AT DATE OF MOBILIZATION.

LEGEND

- NO WORK IN AREA
- -PL- PROPERTY LINE
- -SS- SANITARY SEWER FORCE MAIN.
- -W- DOMESTIC WATER LINE
- -FW- FIRE WATER LINE
- SEA WATER LINE
- EXISTING SITE PAVING TO REMAIN
- NEW SITE PAVING; RE: CIVIL
- EXISTING LIMESTONE; RE: CIVIL
- NEW LIMESTONE; RE: CIVIL
- PROPOSED FILL; RE: CIVIL
- SD STORM DRAIN CATCH BASIN; RE: CIVIL

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

ENLARGED SITE PLAN

MICHAEL B. WILSON NO. 2997 STATE OF LOUISIANA REGISTERED ARCHITECT

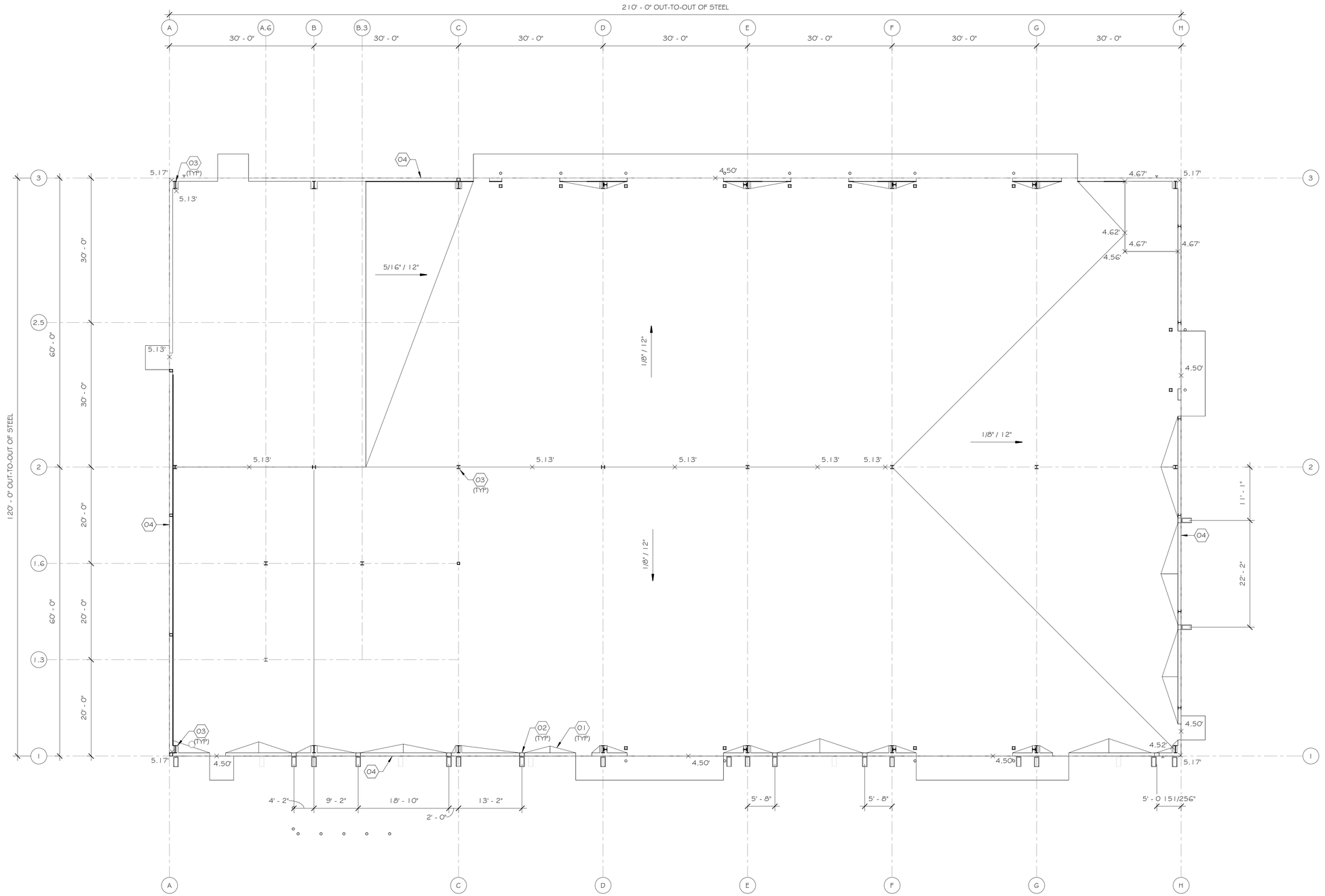
STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

SITE1

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

A1 ENLARGED SITE PLAN

1" = 30'-0" RE: A1 / SITE



REFERENCE NOTES

01 WORK CONCRETE TO FORM A CRICKET AT 1/4" / 12" SLOPE WITH A LENGTH TO WIDTH RATIO OF 1:3.

02 THROUGH SLAB SCUPPER WITH INSECT SCREEN. RE: A10# H8/A502

03 RIGID METAL FRAME TO SIT ON A CONCRETE PEDISTAL 8" ABOVE FINISH FLOOR. INTERIOR COLUMN BASE PLATES TO BE SET BELOW SLAB. RE: STRUCTURAL.

04 8"X8" CONTINUOUS CONCRETE CURB.

LEGEND

- EMBEDDED BOLLARD; RE: SITE3
- SURFACE MOUNTED BOLLARD; RE: SITE3

NORTH

0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

A1 FOUNDATION GRADING PLAN

3/32" = 1'-0"

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
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C	CDS - ISSUED FOR APPROVAL	04/21/22
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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

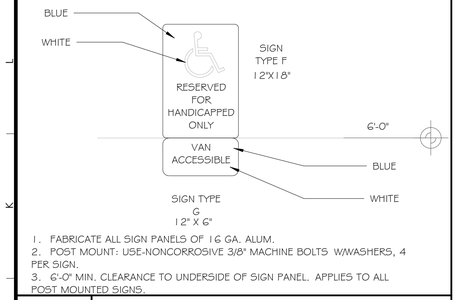
HOUMA, LA

FOUNDATION GRADING PLAN

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

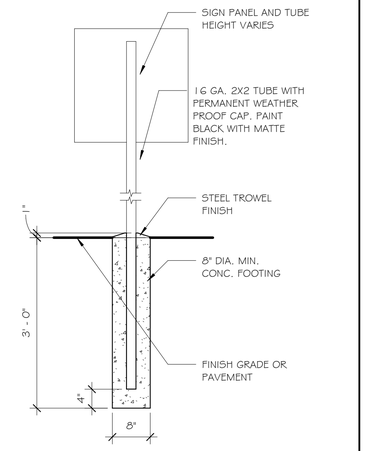
SITE2



1. FABRICATE ALL SIGN PANELS OF 16 GA. ALUM.
2. POST MOUNT: USE-NONCORROSIVE 3/8" MACHINE BOLTS W/WASHERS, 4 PER SIGN.
3. 6'-0" MIN. CLEARANCE TO UNDERSIDE OF SIGN PANEL. APPLIES TO ALL POST MOUNTED SIGNS.

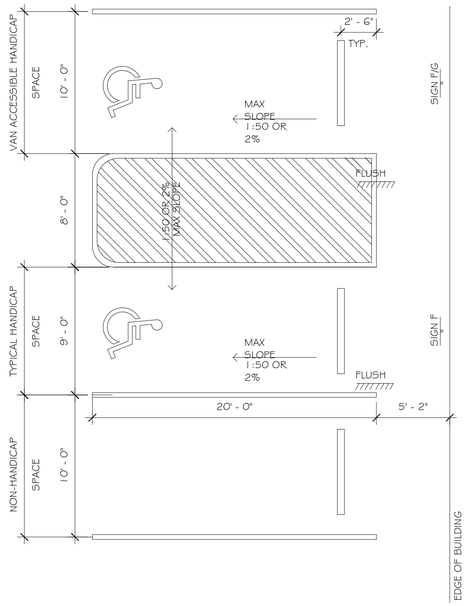
J1 SIGNAGE

1" = 1'-0"



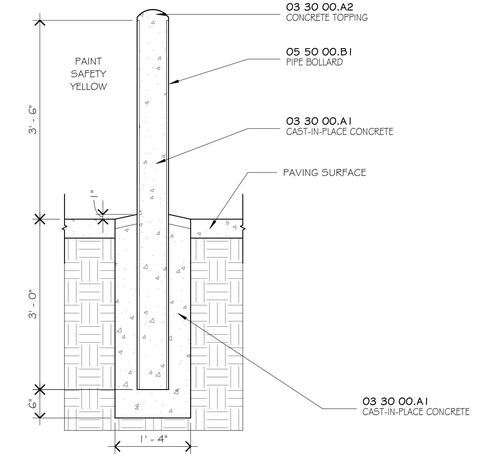
E1 SIGN & POLE DETAILS

3/4" = 1'-0"



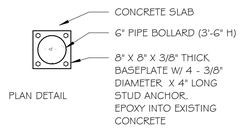
E4 HANDICAP PARKING DETAILS

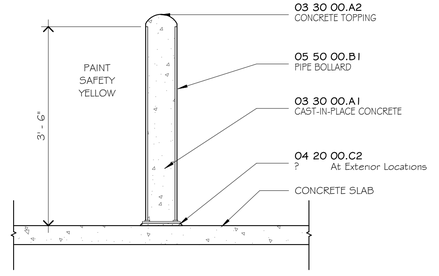
3/16" = 1'-0" RE: A1 / SITE1



E7 EMBEDDED BOLLARD DETAIL

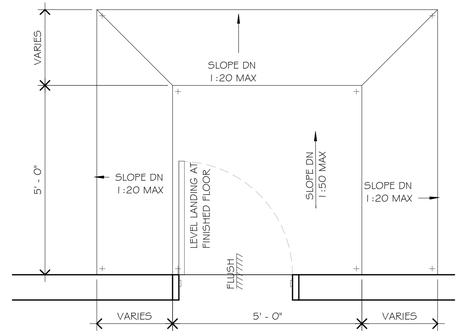
3/4" = 1'-0"





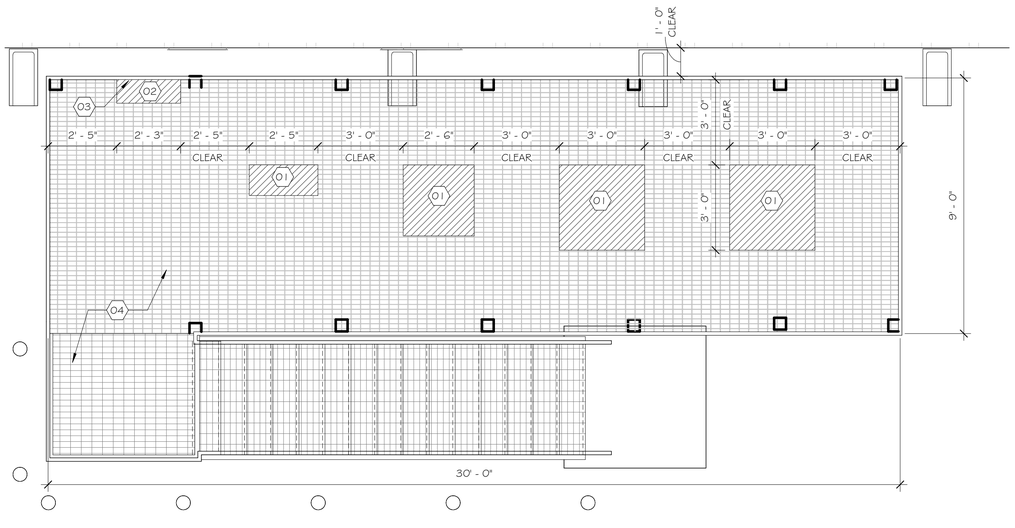
H11 SURFACE MOUNTED BOLLARD DETAIL

3/4" = 1'-0"



E11 TYP. PERSONNEL DOOR LANDING

1/2" = 1'-0"



A1 ENLARGED MECHANICAL PLATFORM

3/8" = 1'-0" RE: A1 / SITE1

REFERENCE NOTES

01 CONDENSING UNIT; RE: MECHANICAL

02 FUSED SAFETY DISCONNECT SWITCH; RE: ELECTRICAL

03 EXTERIOR GRADE UNISTRUT SECURED TO DECK AND RAILING, SIZED TO HOLD ELECTRICAL EQUIPMENT AND PANELS, TYPICAL, COORDINATE WITH MANUFACTURER

04 **MECHANICAL PLATFORM WITH STAIR & RAILINGS**
MANUFACTURER: MEZZANINES BY DESIGN OR APPROVED EQUAL
PRODUCT: EQUIPMENT PLATFORM
STAIR OPTION: STRAIGHT RUN WITH UPPER LANDING
HANDRAIL OPTION: STANDARD PANELS
FLOORING: BAR GRATING
FINISH: POWDER COATED STEEL
COLOR: ARCHITECT TO SELECT COLOR FROM MANUFACTURER'S FULL LINE OF AVAILABLE OPTIONS
COMPLIANCE: STAIR AND RAILING SYSTEMS TO BE FULLY OSHA COMPLIANT
ENGINEERING: DESIGN SHALL BE ENGINEERED AND STAMPED BY LOUISIANA LICENSED PROFESSIONAL ENGINEER.
NOTE: FINAL PLATFORM SIZE AND LAYOUT SHALL BE COORDINATED WITH EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CLEARANCES FOR EXACT EQUIPMENT MODELS USED FOR PROJECT

GENERAL NOTES

1. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

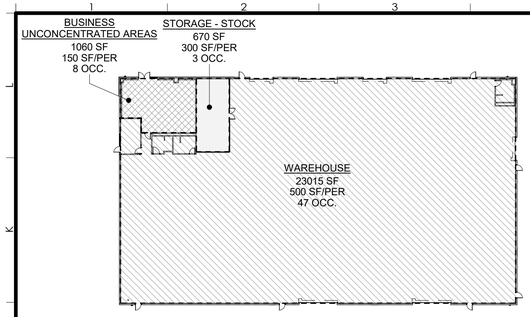
SITE DETAILS

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

SITE3

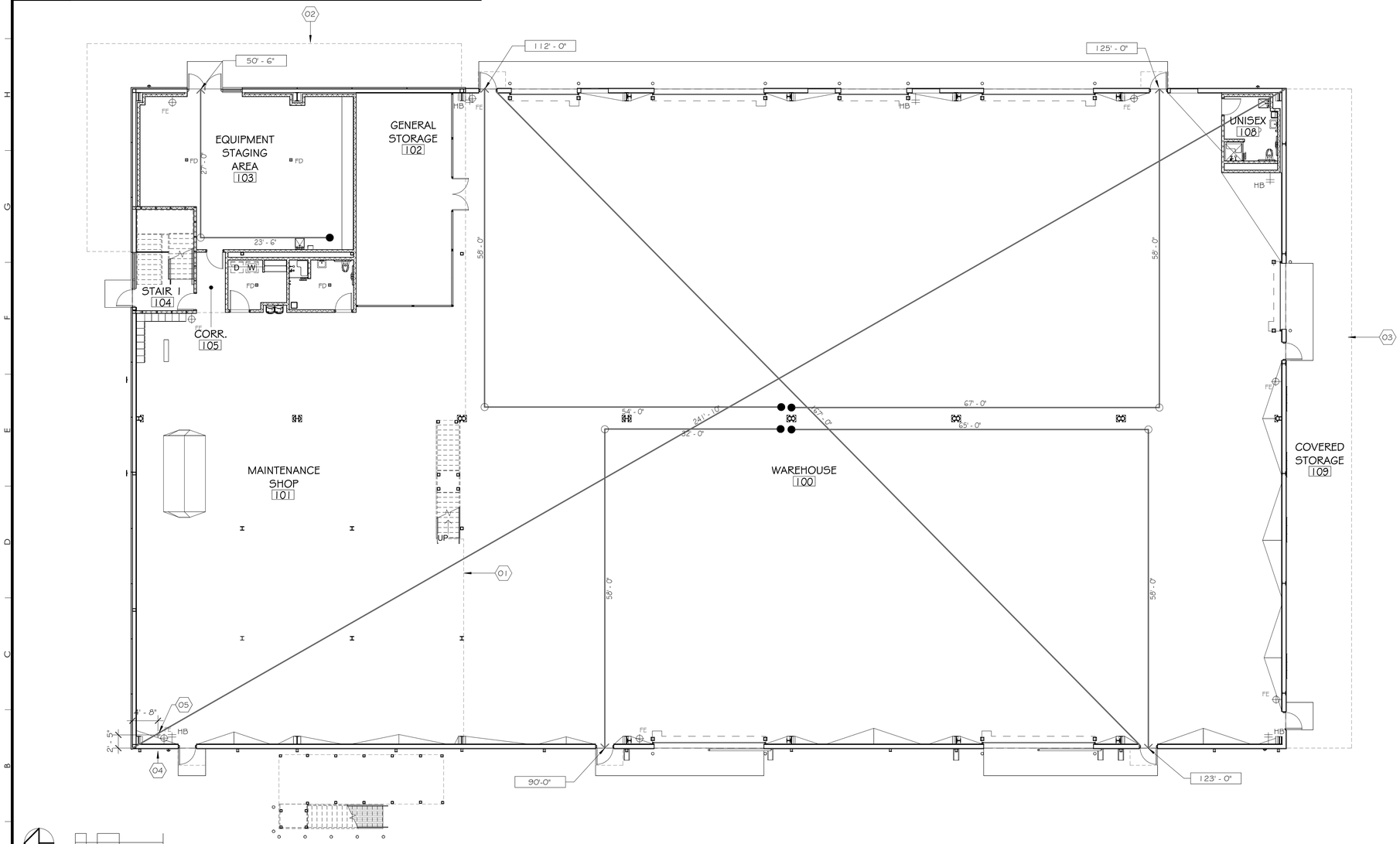


J1 | FIRST FLOOR BUILDING USE

1" = 40'-0"

FIRST FLOOR OCCUPANT LOAD SCHEDULE

OCCUPANCY	AREA USE	AREA	LOAD FACTOR	OCCUPANT LOAD
STORAGE S-1	WAREHOUSE	23015 SF	500	47
STORAGE S-1	STORAGE - STOCK	670 SF	300	3
BUSINESS-B	BUSINESS UNCONCENTRATED	1060 SF	150	8
FIRST FLOOR		24744 SF		58



NORTH

0 2' 4' 8' 16'

SCALE: 3/32" = 1' - 0"

A1 | LIFE SAFETY PLAN - FIRST FLOOR

3/32" = 1'-0"

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

BUILDING DATA

1ST FLOOR AREA: 24,744 SF.
BUILDING IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM.
BUILDING HAS A FIRE ALARM.

REMOTENESS OF EXITS

BUILDING DIAGONAL: 241' - 10"
REMOTENESS OF EXITS: 167' - 0"

	IBC	NFPA 101
OCCUPANCY CLASSIFICATION	BUSINESS-B / STORAGE S-1	BUSINESS/ STORAGE
OCCUPANT LOAD	58 OCCUPANTS	23 OCCUPANTS
CONSTRUCTION TYPE	IIB	II(000)
MAXIMUM TRAVEL DISTANCE	B: 300' S-1: 250'	B: 300' S-1: 400'
MAXIMUM COMMON PATH	B: 100' S-1: 100'	B: 100' S-1: 100'

APPLICABLE CODES:
2021 INTERNATIONAL BUILDING CODE
2015 NFPA 101: LIFE SAFETY CODE

REFERENCE NOTES

01 LINE OF MEZZANINE ABOVE.
02 LINE OF MEZZANINE BALCONY ABOVE.
03 LINE OF CANOPY ABOVE.
04 FIRE WATER CONNECTION.
05 SPRINKLER RISER; RE: SP101.

LEGEND

- CMU WALL
- 1 HR RATED FIRE BARRIER
- 6' - 0" — LINE OF TRAVEL PATH
- START
- TURN
- DISCHARGE
- FE — FIRE EXTINGUISHER & WALL MOUNT BRACKET. RE: SPEC 10 44 16

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
E	CDS-ISSUED FOR APPROVAL	07/11/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22

CRUMP WILSON ARCHITECTS
9311 Bluebonnet Blvd. Suite B
Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

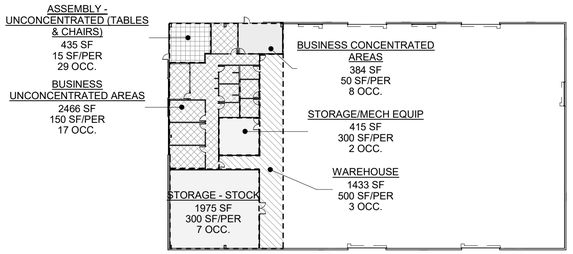
HOUMA, LA

LIFE SAFETY PLAN - FIRST FLOOR

MICHAEL B. WILSON NO. 29... STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

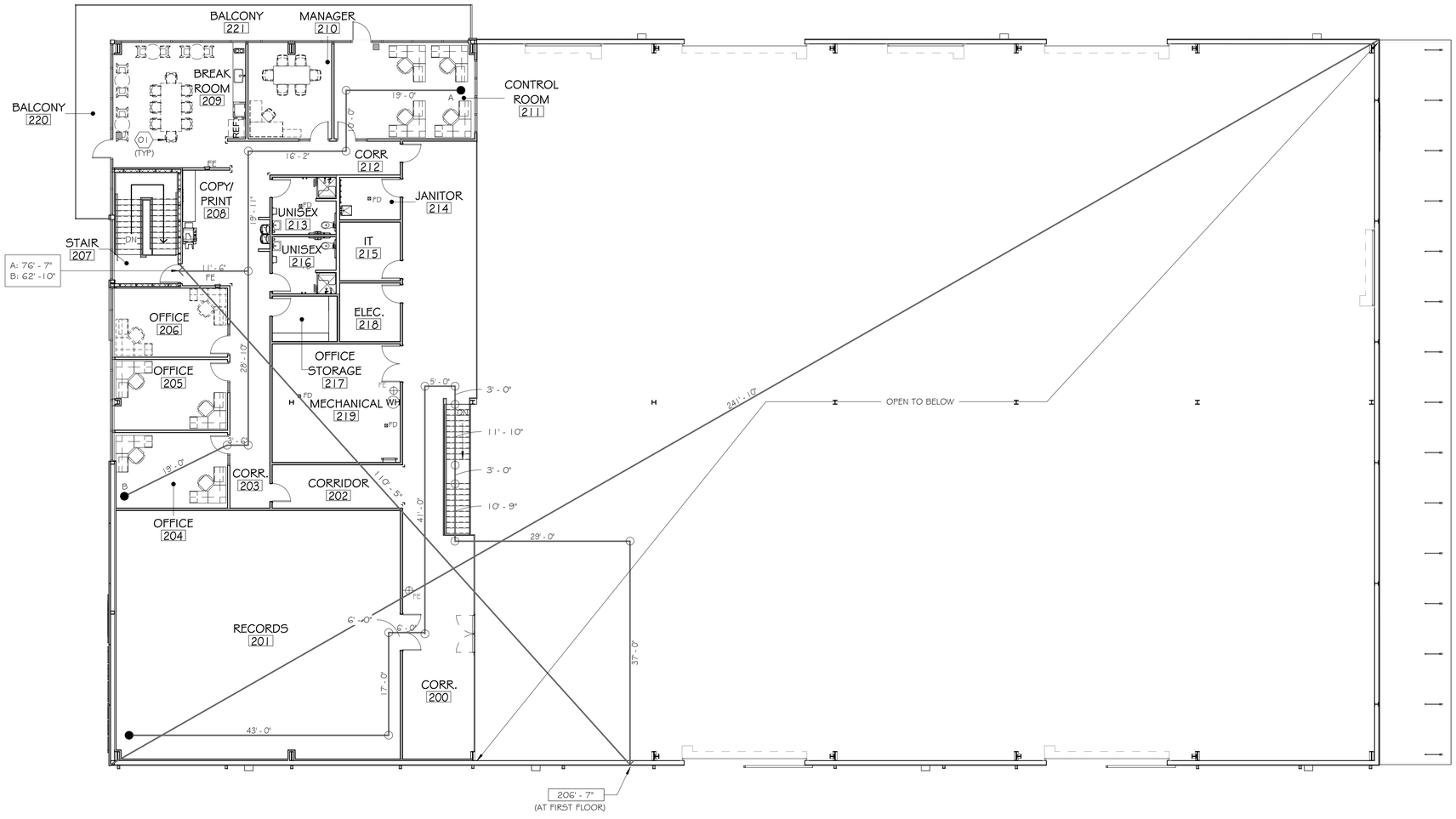
A000



J1	MEZZANINE BUILDING USE
1" = 40'-0"	

SECOND FLOOR OCCUPANT LOAD SCHEDULE

OCCUPANCY	AREA USE	AREA	LOAD FACTOR	OCCUPANT LOAD
BUSINESS-B	BUSINESS UNCONCENTRATED	2466 SF	150	17
STORAGE S-1	STORAGE/MECH EQUIP	415 SF	300	2
BUSINESS-B	ASSEMBLY - UNCONCENTRATED (TABLES & CHAIRS)	435 SF	15	29
STORAGE S-1	STORAGE - STOCK	1975 SF	300	7
STORAGE S-1	WAREHOUSE	1433 SF	500	3
BUSINESS-B	BUSINESS CONCENTRATED	384 SF	50	8
MEZZANINE		7108 SF		66



NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

NORTH

SCALE: 3/32" = 1' - 0"

A1	LIFE SAFETY PLAN - MEZZANINE
3/32" = 1'-0"	

BUILDING DATA

MEZZANINE AREA: 7,108 SF.
BUILDING IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM.
BUILDING HAS A FIRE ALARM.

REMOTENESS OF EXITS

BUILDING DIAGONAL: 241' - 10"
REMOTENESS OF EXITS: 110' - 5"

	IBC	NFPA 101
OCCUPANCY CLASSIFICATION	BUSINESS-B / STORAGE S-1	BUSINESS/ STORAGE
OCCUPANT LOAD	66 OCCUPANTS	59 OCCUPANTS
CONSTRUCTION TYPE	IIB	II(000)
MAXIMUM TRAVEL DISTANCE	B: 300' S-1: 250'	B: 300' S-1: 400'
MAXIMUM COMMON PATH	B: 100' S-1: 100'	B: 100' S-1: 100'

APPLICABLE CODES:
2021 INTERNATIONAL BUILDING CODE
2015 NFPA 101: LIFE SAFETY CODE

REFERENCE NOTES

01 FURNITURE/EQUIPMENT, BY OWNER. ONLY SHOWN FOR CLARITY

LEGEND

- CMU WALL
- 1 HR RATED FIRE BARRIER
- 6' - 0" LINE OF TRAVEL PATH
- START
- TURN
- DISCHARGE
- FE FIRE EXTINGUISHER & WALL MOUNT BRACKET. RE: SPEC 10 44 16

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

LIFE SAFETY PLAN - MEZZANINE
LIFE SAFETY PLAN

MICHAEL B. WILSON NO. 29972 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM
DATE	09/25/2025		

A001

NO.	ROOM	FLOOR	BASE	WALLS				CEILING	COMMENTS
				NORTH	SOUTH	EAST	WEST		
100	WAREHOUSE	S.CONC-1	RB-1	---	MTL.LP-1/PT-1/EPX-3	MTL.LP-1/PT-1/EPX-3	MTL.LP-1	EXP.	(W) METAL LINER PANEL TO BE RUN VERTICALLY TO EXTEND TO TOP OF GIRT (+/-) 7' - 6", PT-1 AT CMU WALLS ONLY. (B) INSTALL RUBBER BASE AT CMU WALLS ONLY.
101	MAINTENANCE SHOP	S.CONC-1	RB-1	MTL.LP-1	---	PT-1/EPX-2/EPX-3	MTL.LP-1	EXP.	(W) METAL LINER PANEL TO BE RUN VERTICALLY TO EXTEND TO TOP OF GIRT (+/-) 7' - 6", PT-1 AT CMU WALLS ONLY. (B) INSTALL RUBBER BASE AT CMU WALLS ONLY.EPOXY TO BE LOCATED BEHIND DRINKING FOUNTAIN.
102	GENERAL STORAGE	S.CONC-1	RB-1	PT-1/EPX-3	MWP-1	MTL.LP-1	MWP-1	EXP.	(W) METAL LINER PANEL TO BE RUN VERTICALLY TO EXTEND TO TOP OF GIRT (+/-) 7' - 6", PT-1 AT CMU WALLS ONLY. (B) INSTALL RUBBER BASE AT CMU WALLS ONLY.
103	EQUIPMENT STAGING AREA	S.CONC-1	RB-1	PT-1/EPX-3	PT-1/EPX-3	PT-1/EPX-3	PT-1/EPX-3	ACP-1	
104	STAIR 1	S.CONC-1	RB-1	MTL.LP-1	PT-2	PT-1	PT-1	---	(F) LVT-1 AT INTERMEDIATE LANDING & TREADS
105	CORRIDOR	S.CONC-1	RB-1	PT-1/EPX-3	PT-1/EPX-3	PT-1/EPX-3	---	ACP-1	
106	LAUNDRY	EPX-1	EPX-1	PT-1/EPX-3	PT-1/EPX-3	EPX-2	PT-1/EPX-3	ACP-1	
107	UNISEX	EPX-1	EPX-1	EPX-3/EPX-2	EPX-2	EPX-3/EPX-2	EPX-3	GYP/PT-1	(W) INSTALL EPX-2 ON INTERIOR SHOWER WALLS
108	UNISEX	EPX-1	EPX-1	EPX-2/EPX-3	EPX-3	EPX-2/EPX-3	EPX-2	GYP/PT-1	(W) INSTALL EPX-2 ON INTERIOR SHOWER WALLS
109	COVERED STORAGE	CONC.	---	MTL.P-1	---	---	---	---	
200	CORRIDOR	S.CONC-1	RB-1	PT-1	---	PT-1	PT-1	EXP.	
201	RECORDS	S.CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP.	
202	CORRIDOR	S.CONC-1	RB-1	PT-1	---	PT-1	PT-1	EXP.	
203	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
204	OFFICE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
205	OFFICE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
206	OFFICE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
207	STAIR	LVT-1	RB-1	MTL.LP-1	PT-2	PT-1	PT-1	ACP-1	LVT-1 AT UPPER LANDING, INTERMEDIATE LANDING, AND STAIR TREADS
208	COPY/ PRINT	LVT-1	RB-1	PT-2	PT-1/WT-1	PT-1	PT-1	ACP-1	WT-1 BEHIND DRINKING FOUNTAIN.
209	BREAK ROOM	LVT-1	RB-1	PT-1	PT-1/WT-2	PT-1	PT-1	ACP/GYP	
210	MANAGER	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
211	CONTROL ROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
212	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
213	UNISEX	EPX-1	EPX-1	WT-1	WT-1	WT-1	WT-1	GYP/PT-1	
214	JANITOR	S.CONC-1	RB-1	FRP (W)	FRP (W)	FRP (W)	FRP (W)	ACP-1	(W) INSTALL FRP VERTICALLY FROM FLOOR TO CEILING STARTING ABOVE RUBBER BASE.
215	IT	S.CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP.	
216	UNISEX	EPX-1	EPX-1	WT-1	WT-1	WT-1	WT-1	GYP/PT-1	
217	OFFICE STORAGE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACP-1	
218	ELECTRICAL	S.CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP.	
219	MECHANICAL	S.CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP.	
220	BALCONY	S.CONC-1	---	---	---	---	---	---	
221	BALCONY	S.CONC-1	---	---	---	---	---	---	

NOTES:
1. ALL CMU WALLS ON THE FIRST FLOOR TO BE COATED WITH EPX-3 TO 48" AFF.
2. ALL COLUMNS ON THE FIRST FLOOR TO BE COATED WITH EPX-4 TO 72" AFF.

G1 ROOM FINISH SCHEDULE

NO SCALE | RE: A1 / A100 & A1 / A101

NO.	FRAMES				DOORS					ASSEMBLY RATING	COMMENTS
	ELEV TYPE	DOOR OPENING (W X H)	MATERIAL	FINISH	ELEV TYPE	THK.	CONST.	MATERIAL	FINISH		
100A	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
100B	OC	12' - 0" X 12' - 0"	STL	MFR	OC	3/4"	MFR	STL	PC	N/A	
100C	OC	20' - 0" X 20' - 0"	STL	MFR	OC	3/4"	MFR	STL	PC	N/A	
100D	OC	12' - 0" X 12' - 0"	STL	MFR	OC	3/4"	MFR	STL	PC	N/A	
100E	OC	20' - 0" X 20' - 0"	STL	MFR	OC	3/4"	MFR	STL	PC	N/A	
100F	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
100G	OC	12' - 0" X 12' - 0"	STL	MFR	OC	3/4"	MFR	STL	PC	N/A	
100H	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
100I	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
100J	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
100K	OC	20' - 0" X 20' - 0"	STL	MFR	OC	3/4"	MFR	STL	PC	N/A	
100L	OC	20' - 0" X 20' - 0"	STL	MFR	OC	3/4"	MFR	STL	PC	N/A	
100M	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
101	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
103A	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
103B	W2	6' - 0" X 7' - 0"	AL	AN	AS (x2)	1 3/4"	SF	AL/GL	AN	N/A	
104A	A	3' - 0" X 7' - 0"	HM	PT	VP	1 3/4"	HM	STL/GL	PT	60 MIN.	
104B	W1	3' - 0" X 7' - 0"	AL	AN	AS	1 3/4"	SF	AL/GL	AN	N/A	
106	A	3' - 6" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
107	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
108	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
201	A	6' - 0" X 7' - 0"	HM	PT	FP (X2)	1 3/4"	HM	STL	PT	N/A	
202	A	3' - 0" X 7' - 0"	HM	PT	HG	1 3/4"	HM	STL/GL	PT	N/A	
204	W8	3' - 0" X 7' - 0"	AL	AN	FG	1 3/4"	SC	WD/GL	PL	N/A	
205	W8	3' - 0" X 7' - 0"	AL	AN	FG	1 3/4"	SC	WD/GL	PL	N/A	
206	W8	3' - 0" X 7' - 0"	AL	AN	FG	1 3/4"	SC	WD/GL	PL	N/A	
207	A	3' - 0" X 7' - 0"	HM	PT	VP	1 3/4"	HM	STL/GL	PT	60 MIN.	
209B	W4	3' - 0" X 7' - 0"	AL	AN	AS	1 3/4"	SF	AL/GL	AN	N/A	
210	W8	3' - 0" X 7' - 0"	AL	AN	FG	1 3/4"	SC	WD/GL	PL	N/A	
211A	W8	3' - 0" X 7' - 0"	AL	AN	FG	1 3/4"	SC	WD/GL	PL	N/A	
211B	A	3' - 0" X 7' - 0"	AL	AN	AS	1 3/4"	SF	AL/GL	AN	N/A	
212	A	3' - 0" X 7' - 0"	HM	PT	HG	1 3/4"	HM	STL/GL	PT	N/A	
213	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	SC	WD	PL	N/A	
214	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
215	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
216	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	SC	WD	PL	N/A	
217	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	SC	WD	PL	N/A	
218	A	3' - 0" X 7' - 0"	HM	PT	FP	1 3/4"	HM	STL	PT	N/A	
219	A	6' - 0" X 7' - 0"	HM	PT	FP (X2)	1 3/4"	HM	STL	PT	N/A	

NOTES:
1. PROVIDE STORM RATED DOORS AT ALL EXTERIOR DOORS; RE: SPEC 08 11 13 AND 08 41 13.
2. ALL OVERHEAD DOORS TO RECEIVE POWDER COAT FINISH. POWDER COAT FINISH TO MATCH PT-4 AS CLOSE AS POSSIBLE.

A1 DOOR SCHEDULE

NO SCALE | RE: A1/A100

G9 FINISH LEGEND

NO SCALE | RE: A1 / A100 & A1 / A101

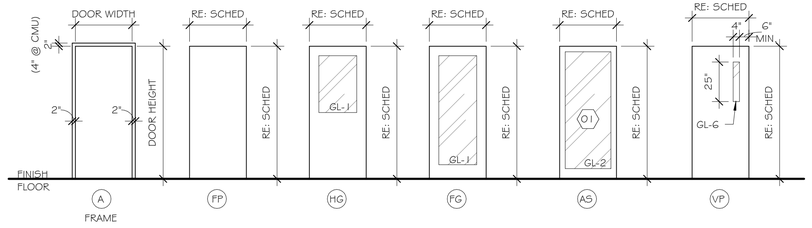
INTERIOR FINISH LEGEND

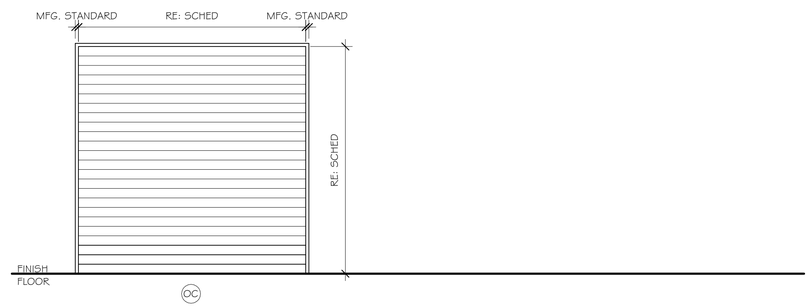
SYMBOL	DESCRIPTION	MANUFACTURER	PRODUCT / STYLE / FINISH / SIZE / INSTALLATION
ACP-1	ACOUSTIC CEILING PANEL	ARMSTRONG CEILINGS	WHITE / RE: SPEC 09 51 13
CG-1	CORNER GUARD	INPRO	160 HIGH IMPACT / SHARKSKIN 0350 / 4"H
EPX-1	EPOXY (FIELD FLOOR & SHOWER FLOOR)	SIKA INDUSTRIAL FLOORING	DECODUR FLAKE FX / 5% DARK BLUE, 5% STORMY BLUE, 10% MORNING FOG, 40% WHITE, 40% ALPACA WHITE / 1/4" FLAKE
EPX-2	EPOXY (SHOWER WALLS)	SIKA INDUSTRIAL FLOORING	DESCOGLAS / BASALT GRAY
EPX-3	EPOXY (FIELD WALLS)	SIKA INDUSTRIAL FLOORING	DESCOGLAS / LIGHT GRAY
EPX-4	EPOXY (SAFETY)	SIKA INDUSTRIAL FLOORING	DESCOGLAS / SGNAL YELLOW
FRP-1	FIBERGLASS REINFORCED PANEL	CRANE COMPOSITES	VARIETEX / LINEN TEXTURE / WHITE (85)
LVT-1	LUXURY VINYL TILE	TARKETT	COLORPLAY / COLORWEAVE PCWE / CORNFLOWER C149 / 9" X 36" / ASHLAR INSTALLATION
MWP	MESH WALL PANEL	WIRECRAFTERS	STYLE 840 / GRAY / 2" X 1" 10 GAUGE; RE: SPEC 10 22 13.
PL-1	PLASTIC LAMINATE (FIELD)	FORMICA	DANISH MAPLE 08906-58 / MATTE TEXTURE / GRAIN TO RUN VERTICALLY.
PT-1	PAINT (FIELD)	BENJAMIN MOORE	TITANIUM OC-49
PT-2	PAINT (ACCENT & EXPOSED STRUCTURE)	BENJAMIN MOORE	NORTH SEA CC-932
PT-3	PAINT (INTERIOR HM DOOR & FRAMES)	BENJAMIN MOORE	AMHERST GRAY HC-167
QT-1	QUARTZ (COUNTERTOP)	SILESTONE	ET STATUARIO / POLISHED
RB-1	RUBBER BASE	TARKETT	TIGHTLOCK RESILIENT TOP SET/ TABLESS / CHARCOAL 20 / 4 3/8"H
SC-1	SHOWER CURTAIN	INPRO	SUPER BIO STAT VINYL / STYLE 2 / WHITE / 78"H
WG-1	WALL GROUT	MAPEI	COBBLESTONE 103 / 1/8"
WT-1	WALL TILE (BACKSPLASH)	PORTOBELLO AMERICA	GOUACHE / CIEL GLOSSY / 6" X 6" / STACKED

EXTERIOR FINISH LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	STYLE/FINISH
CA-1	METAL CANOPIES	MAPES	CLEAR ANODIZED
MT. IP.-1	INSULATED METAL PANEL (FIELD)	KINGSPAN	DESIGNWALL 2000 / REGAL BLUE / 70% MIX / RE: SPEC 07 42 13.
MT. IP.-2	INSULATED METAL PANEL (ACCENT)	KINGSPAN	DESIGNWALL 2000 / SLATE BLUE / 20% MIX / RE: SPEC 07 42 13.
MT. IP.-3	INSULATED METAL PANEL (ACCENT)	KINGSPAN	DESIGNWALL 2000 / PARCHMENT / 10% MIX / RE: SPEC 07 42 13.
MT. P.-4	HORIZONTAL METAL PANEL	MBCI	MASTERLINE 16 / TUNDRA
MTL. P.-1	METAL LINER PANEL	SCHULTE BUILDING SYSTEMS	SL-11 LINER PANEL / BONE WHITE
PT-4	PAINT (EXTERIOR DOORS & FRAMES)	BENJAMIN MOORE	AMHERST GRAY HC-167
SF-1	STOREFRONT SYSTEM	KAWNEER	PERMADIZE HARDCOAT FINISH / STERLING GRAY 789G018

NOTES:
1. CONTRACTOR TO INSTALL WALL TILE SUCH THAT FULL TILE IS PLACED AT BOTTOM OF WALL. IF SLIVER OF TILE IS NECESSARY, IT SHOULD BE PLACED AT THE TOP OF THE WALL.
2. INTERIOR RESTROOM DOOR FRAME TO BE PAINTED PT-1.
3. EPOXY INTEGRAL COVE BASE TO BE 6"H AND TERMINATE AT TOP EDGE WITH 1/8" METAL COVE STRIP.





A8 DOOR & FRAME ELEVATIONS

1/4" = 1'-0"

REFERENCE NOTES

01 AT DOOR 102B PROVIDE GL-4

GENERAL NOTES

1. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.

LEGEND

(W) - WALLS
(F) - FLOORS
(C) - CEILING
(B) - BASE

ACP - ACOUSTICAL CEILING PANEL
AL - ALUMINUM
AN - ANODIZED
AS - ALUMINIUM STOREFRONT
CONC. - CONCRETE
EXP - EXPOSED CONSTRUCTION
FRP - FIBER REINFORCED PLASTIC
GL - GLASS
HM - HOLLOW METAL
IBC-EPX - INTEGRAL COVE BASE/EPOXY
MFR - MANUFACTURER
MTL. LP. - METAL LINER PANEL
MTL. IP - METAL INSULATED PANEL
MTL. P - METAL PANEL
MWP - MESH WALL PANEL
PC - POWDER COAT
PT - PAINT
PL - PLASTIC LAMINATE
RB - RUBBER BASE
S. CONC. - SEALED CONCRETE
STL - STEEL
WD - WOOD
WT - WALL TILE

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
F	ISSUED FOR BID	09/25/25
E	CDS-ISSUED FOR APPROVAL	07/11/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

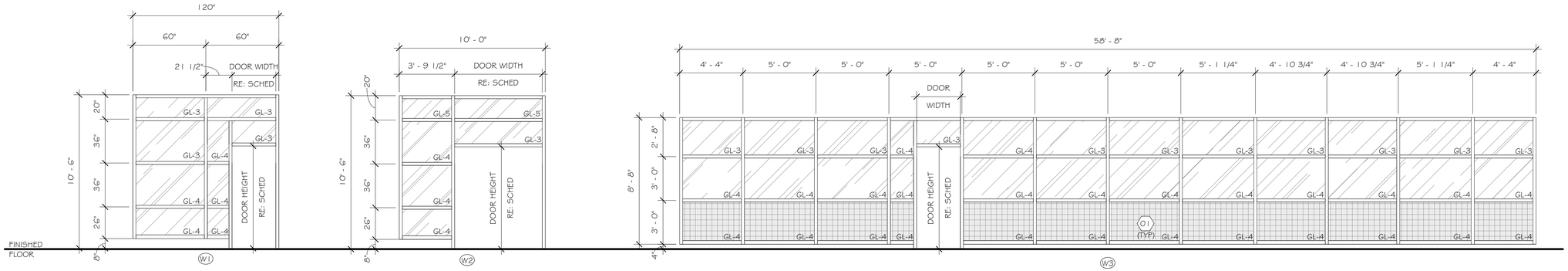
SCHEDULES

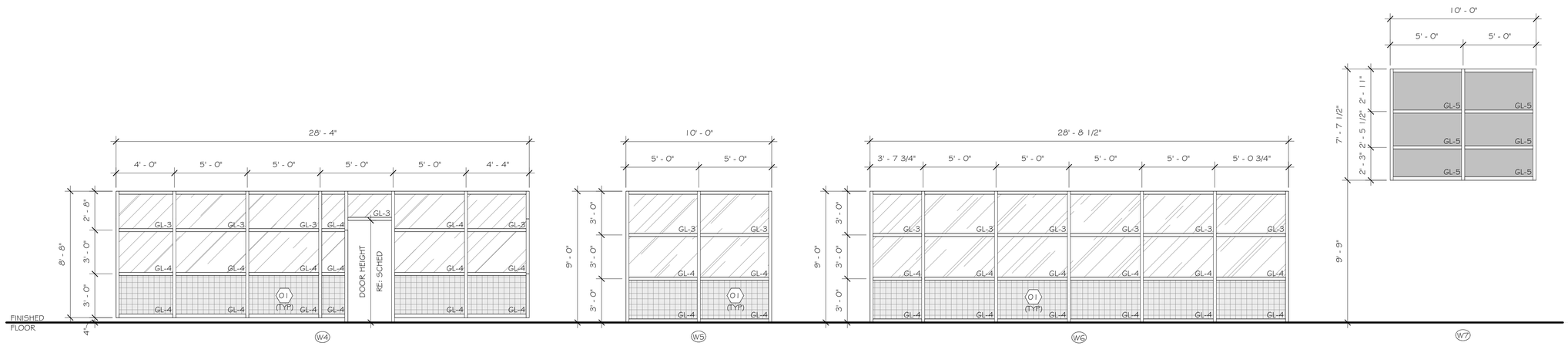
MICHAEL B. WILSON NO. 29973 STATE OF LOUISIANA REGISTERED ARCHITECT

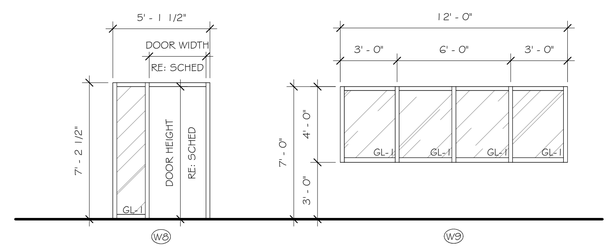
STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

A002

TYPE	FRAMES						DETAILS			COMMENTS
	SYSTEM	SPEC SECTION	WIDTH	HEIGHT	MATERIAL	FINISH	HEAD	JAMB	SILL	
W1	AS	08 41 13	10' - 0"	10' - 6"	AL	AN				GLAZING SYSTEM TO BE STORM RATED; RE: SPEC 08 41 13
W2	AS	08 41 13	10' - 0"	10' - 6"	AL	AN				GLAZING SYSTEM TO BE STORM RATED; RE: SPEC 08 41 13
W3	AS	08 41 13	58' - 8"	8' - 8"	AL	AN				GLAZING SYSTEM TO BE STORM RATED; RE: SPEC 08 41 13
W4	AS	08 41 13	28' - 4"	8' - 8"	AL	AN				GLAZING SYSTEM TO BE STORM RATED; RE: SPEC 08 41 13
W5	AS	08 41 13	10' - 0"	9' - 0"	AL	AN				GLAZING SYSTEM TO BE STORM RATED; RE: SPEC 08 41 13
W6	AS	08 41 13	28' - 8 1/2"	9' - 0"	AL	AN				GLAZING SYSTEM TO BE STORM RATED; RE: SPEC 08 41 13
W7	AS	08 41 13	10' - 0"	7' - 7 1/2"	AL	AN				GLAZING SYSTEM TO BE STORM RATED; RE: SPEC 08 41 13
W8	AS	08 41 13	5' - 1 1/2"	7' - 2 1/2"	AL	AN				
W9	AS	08 41 13	12' - 0"	4' - 0"	AL	AN				







REFERENCE NOTES

01 **GLAZING FILM**
MANUFACTURER: 3M GLASS FINISHES
PRODUCT: 3M FASARA GLASS FINISHES
FINISH: FROST/MATTE, MILKY MILKY, DARK GREY
MODEL: SH2MAMMD
SIZE: 50"W X 98.4' ROLL LENGTH
NOTE: FILM TO BE ADHERED TO INSIDE OF INTERIOR LITE AND PLACES TO MINIMIZE OR ELIMINATE SEAMS.

GENERAL NOTES

1. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.
2. PROVIDE MANUAL SHADES AT EXTERIOR WINDOWS FOR THE FOLLOWING ROOMS: 204, 205, 206, 209, 210, 211
   MANUFACTURER: SWF CONTRACT
   PRODUCT: TRUE PERFORMANCE MANUAL SOLAR SHADES
   FABRIC: CROSSHATCH R300 (3% OPENNESS)
   FABRIC FINISH: EGGSHELL/FOG C8212
   HOUSING FINISH: CLEAR ANODIZED
   MOUNTING: CEILING MOUNT
   NOTE: PROVIDE ADDITIONAL METAL FRAMING AND/OR WOOD BLOCKING IN CEILING AS NECESSARY TO SUPPORT MOUNTING OF MANUAL ROLLER SHADE.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

CRUMP WILSON ARCHITECTS
9311 Bluebonnet Blvd. Suite B
Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

WINDOW ELEVATIONS & SCHEDULE

MICHAEL B. WILSON NO. 28937 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MBW	DRAWN BY	PD/CB

A003

A1 | WINDOW SCHEDULE & ELEVATIONS

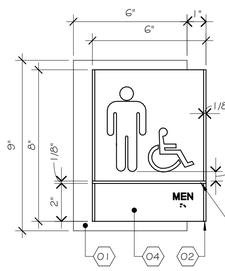
NO SCALE | RE: A1/A100 & A1/200

INTERIOR SIGNAGE SCHEDULE

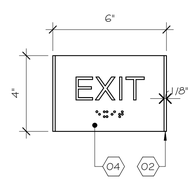
LOCATION	SIGN TYPE	SIGNAGE TEXT	COMMENTS
DOOR 100A	2.0	EXIT	
DOOR 100F	2.0	EXIT	
DOOR 100H	2.0	EXIT	
DOOR 100I	2.0	EXIT	
DOOR 100J	2.0	EXIT	
DOOR 100M	2.0	EXIT	
DOOR 101	2.0	EXIT	
DOOR 103A	4.0	EQUIPMENT STAGING AREA	
DOOR 103B	2.0	EXIT	ON GLASS - PROVIDE BACK PANEL
DOOR 104A	5.0	EXIT	
DOOR 104B	2.0	EXIT	ON GLASS - PROVIDE BACK PANEL
DOOR 108	1.0	UNISEX	
DOOR 201	3.0	RECORDS	
DOOR 202	2.0	EXIT	
DOOR 204	4.0	PAPER INSERT - OFFICE LOCATION	ON GLASS - PROVIDE BACK PANEL
DOOR 205	4.0	PAPER INSERT - OFFICE LOCATION	ON GLASS - PROVIDE BACK PANEL
DOOR 206	4.0	PAPER INSERT - OFFICE LOCATION	ON GLASS - PROVIDE BACK PANEL
DOOR 207	5.0	EXIT	
DOOR 209A	3.0	BREAKROOM	
DOOR 209B	3.0	NOT AN EXIT	ON GLASS - PROVIDE BACK PANEL
DOOR 209B	4.0	BALCONY	
DOOR 210	4.0	PAPER INSERT - OFFICE LOCATION	ON GLASS - PROVIDE BACK PANEL
DOOR 211A	4.0	CONTROL ROOM	ON GLASS - PROVIDE BACK PANEL
DOOR 211B	3.0	NOT AN EXIT	ON GLASS - PROVIDE BACK PANEL
DOOR 211B	4.0	BALCONY	
DOOR 212	2.0	EXIT	
DOOR 213	1.0	UNISEX	
DOOR 214	3.0	JANITOR	
DOOR 215	3.0	IT	
DOOR 216	1.0	UNISEX	
DOOR 217	3.0	STORAGE	
DOOR 218	3.0	ELECTRICAL	
DOOR 219	3.0	MECHANICAL	

H1 INTERIOR SIGNAGE SCHEDULE

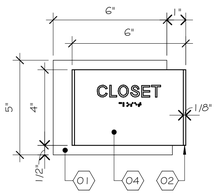
NO SCALE | RE: A1/A100 & A1 / A101



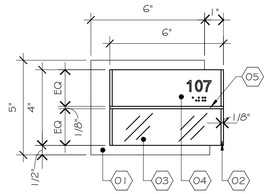
SIGN TYPE: 1.0
PRODUCT: VENUS SERIES
FRAME SIZE: 6" (W) X 8" (H)
ACRYLIC BACKER: 6" (W) X 9" (H)
MOUNT OPTION: MECHANICALLY FASTENED
FINISHES: TO BE SELECTED
COPY STYLE: HELVETICA
COPY SIZE: 5/8"
COPY COLOR: TO BE SELECTED
COPY POSITION: RIGHT JUSTIFIED
END CAP: ANODIZED ALUMINUM
PICTOGRAM SIZE: 4"



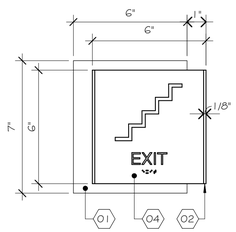
SIGN TYPE: 2.0
PRODUCT: VENUS SERIES
FRAME SIZE: 6" (W) X 4" (H)
MOUNT OPTION: MECHANICALLY FASTENED
FINISHES: TO BE SELECTED
COPY STYLE: HELVETICA
COPY SIZE: 1"
COPY COLOR: TO BE SELECTED
COPY POSITION: CENTER JUSTIFIED
END CAP: ANDOIZED ALUMINUM



SIGN TYPE: 3.0
PRODUCT: VENUS SERIES
FRAME SIZE: 6" (W) X 4" (H)
ACRYLIC BACKER: 6" (W) X 5" (H)
MOUNT OPTION: MECHANICALLY FASTENED
FINISHES: TO BE SELECTED
COPY STYLE: HELVETICA
COPY SIZE: 5/8"
COPY COLOR: TO BE SELECTED
COPY POSITION: CENTER JUSTIFIED
END CAP: ANDOIZED ALUMINUM



SIGN TYPE: 4.0
PRODUCT: VENUS SERIES
FRAME SIZE: 6" (W) X 4" (H)
ACRYLIC BACKER: 6 (W) X 5 (H)
MOUNT OPTION: MECHANICALLY FASTENED
FINISHES: TO BE SELECTED
COPY STYLE: HELVETICA
COPY SIZE: 5/8"
COPY COLOR: TO BE SELECTED
COPY POSITION: RIGHT JUSTIFIED
END CAP: ANDOZIED ALUMINUM



SIGN TYPE: 5.0
PRODUCT: VENUS SERIES
FRAME SIZE: 6" (W) X 6" (H)
ACRYLIC BACKER: 6" (W) X 7" (H)
MOUNT OPTION: MECHANICALLY FASTENED
FINISHES: TO BE SELECTED
COPY STYLE: HELVETICA
COPY SIZE: 5/8"
COPY COLOR: TO BE SELECTED
COPY POSITION: RIGHT JUSTIFIED
END CAP: ANODIZED ALUMINUM
PICTOGRAM SIZE: TBD

REFERENCE NOTES

01 ACRYLIC BACKER (1/4")
02 CLEAR ANODIZED ALUMINUM FRAME
03 PAPER INSERT WITH CLEAR ACRYLIC LENS
04 PANEL INSERT WITH TIPPED FINISHED RAISED COPY
05 1/8" ACCENT BAR RAISED 1/8" FROM ANODIZED ALUMINUM FRAME

GENERAL NOTES

1. ROOM SIGNAGE NAMES AND NUMBERS INCLUDED IN SIGNAGE SCHEDULE. RE: H1/A004.
2. LOCATE ROOM AND DOOR SIGNAGE ON LATCH SIDE OF DOOR WITH CENTERLINE OF SIGN AT 60" AFF PER ADA STANDARDS FOR ACCESSIBLE DESIGN, SECTION 703.4.
3. SIGNAGE MANUFACTURER TO COORDINATE SITE SPECIFIC VERBIAGE AND ROOM NUMBERS WITH OWNER PRIOR TO FABRICATION.
4. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED TO BE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

INTERIOR SIGNAGE

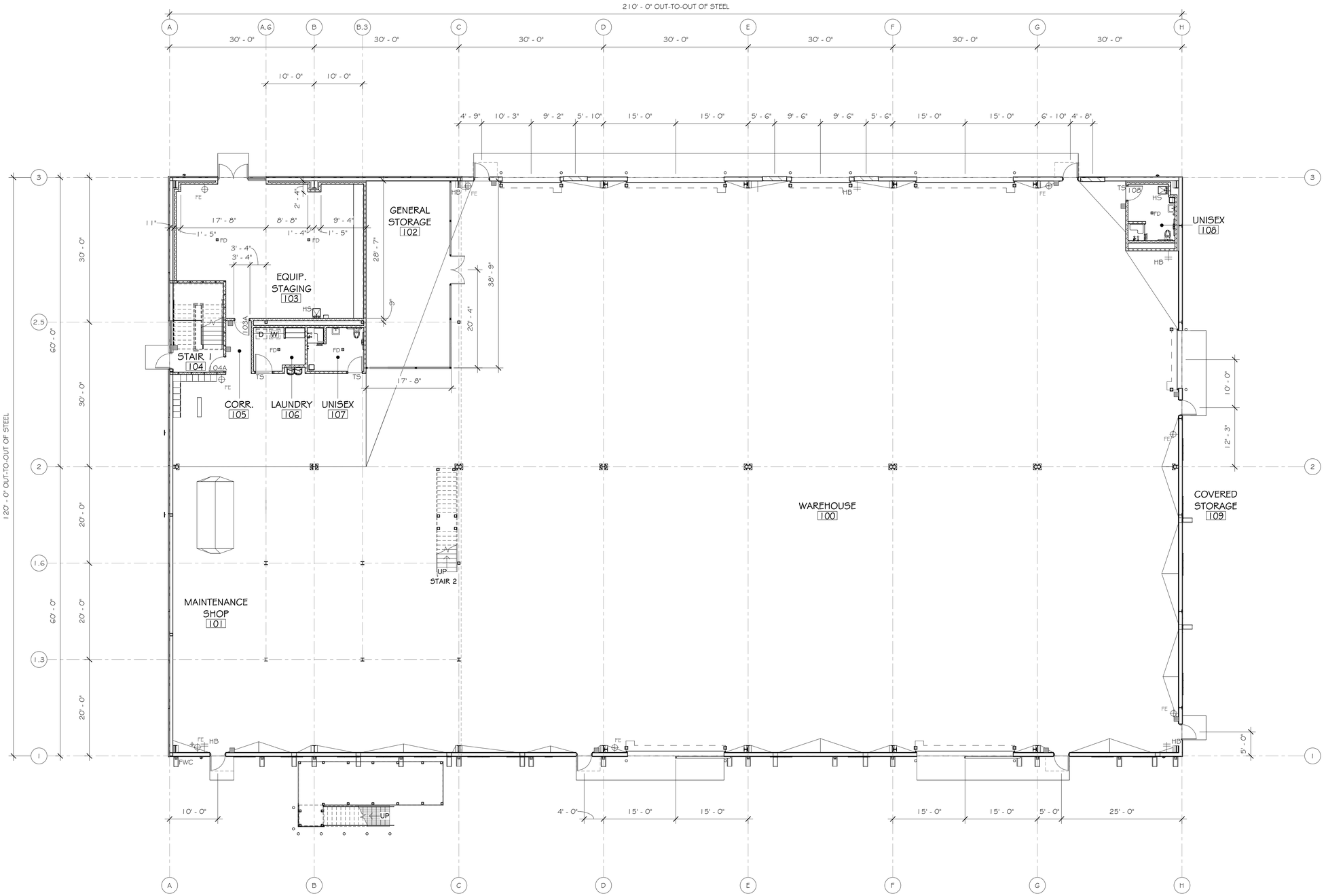
MICHAEL B. WILSON NO. 29977 REGISTERED ARCHITECT STATE OF LOUISIANA

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

A004

A8 | INTERIOR SIGNAGE

3" = 1'-0"



NORTH

0 2' 4' 8' 16'

SCALE: 3/32" = 1' - 0"

GENERAL NOTES

1. DIMENSIONS TO CMU BLOCK WALLS ARE TAKEN FROM FACE OF BLOCK.
2. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.
3. FOR SLOPE OF SLAB, RE: A1/SITE2.

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

NO.	REVISION / DESCRIPTION	DATE
F	ISSUED FOR BID	09/25/25
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D	CDS-ISSUED FOR APPROVAL	05/15/25
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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

DIMENSION PLAN - FIRST FLOOR

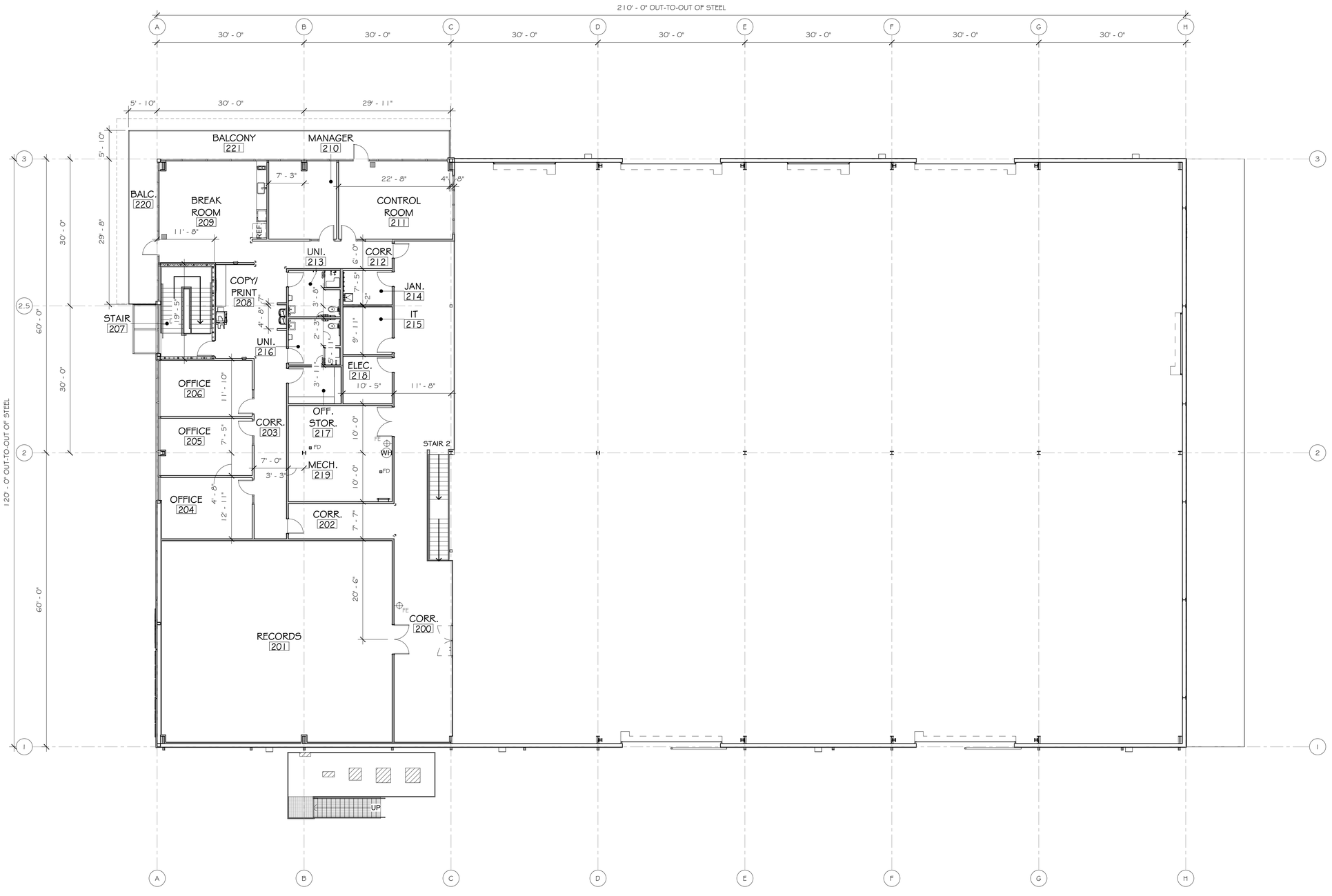
MICHAEL B. WILSON NO. 28911 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM

A100

A1	DIMENSION PLAN - FIRST FLOOR
3/32" = 1'-0"	RE: A1 / A200



NORTH

0 2' 4' 8' 16'

SCALE: 3/32" = 1' - 0"

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

A1	DIMENSION PLAN - MEZZANINE
3/32" = 1'-0"	RE: A1 / A200

GENERAL NOTES

1. ALL DIMENSIONS TO WALLS ARE TAKEN FROM FACE OF STUD U.N.O.
2. ALL WALLS TO BE TYPE 2A U.N.O.
3. INTERIOR WALLS AT THE PERIMETER OF EXTERIOR WALLS TO BE 2-1/2" METAL STUD WITH ONE LAYER OF 5/8" GYPSUM BOARD ON INTERIOR FACE OF STUD.

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

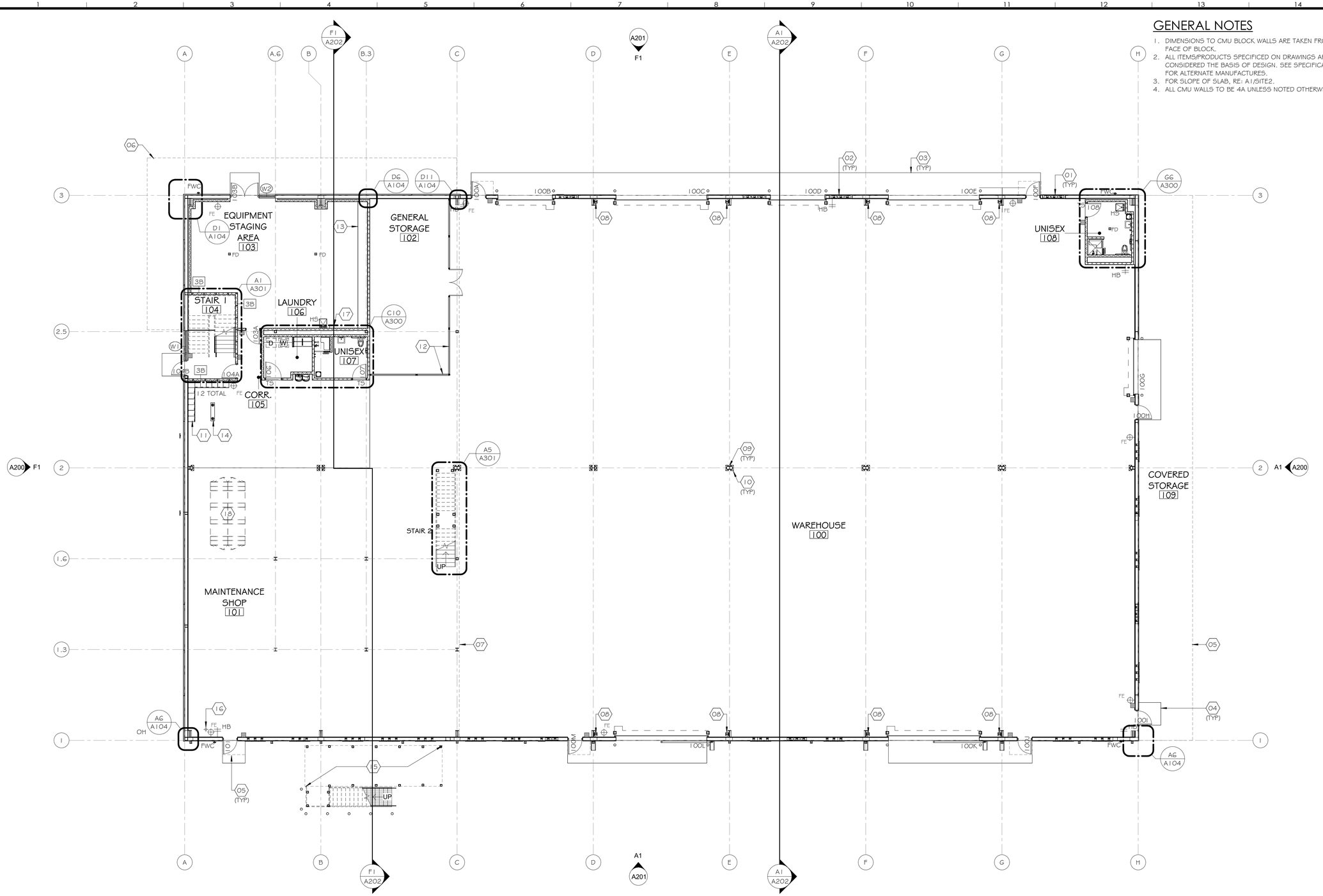
DIMENSION PLAN - MEZZANINE

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM

A101



NORTH

0 2' 4' 8' 16'

SCALE: 3/32" = 1' - 0"

GENERAL NOTES

1. DIMENSIONS TO CMU BLOCK WALLS ARE TAKEN FROM FACE OF BLOCK.
2. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.
3. FOR SLOPE OF SLAB, RE: A1/SITE2.
4. ALL CMU WALLS TO BE 4A UNLESS NOTED OTHERWISE.

REFERENCE NOTES

01 FLOOD VENT BELOW LOUVER; RE: SPEC

02 INTAKE LOUVER; RE:MECHANICAL

03 CONCRETE APRON AT OVERHEAD DOOR

04 5'X5' CONCRETE LEVEL LANDING; RE: E11/SITE3

05 METAL HANGER ROD CANOPY ABOVE

06 LINE OF MEZZANINE BALCONY ABOVE

07 LINE OF MEZZANINE ABOVE

08 PEMB WIND BENT

09 EXPOSED COLUMNS TO BE PAINTED PC-2 TO DECK

10 SURFACE MOUNTED STEEL COLUMN PROTECTOR. BASE SIZE TO BE DETERMINED BASED ON PEMB COLUMN SIZE. RHINO RAIL OR APPROVED EQUAL.

11 **HIGH-DENSITY POLYETHYLENE (HDPE) LOCKERS**
MANUFACTURER: ASI STORAGE SOLUTIONS
PRODUCT: PLASTIC TRADITIONAL COLLECTION - SINGLE TIER LOCKER
FINISH: BLUE #9509
SIZE: 15"W X 18"D X 72"H

12 8'-0" HIGH SECURITY WIRE MESH PARTITION WALL PANELS WITH (2) 3WX7'H SWING DOORS. DOORS TO HAVE LEVER WITH LOCKING FUNCTION. HARDWARE TO BE COORDINATED WITH USER; RE: G9/A002

13 COUNTERTOP AND CASEWORK, BY OWNER

14 **HIGH-DENSITY POLYETHYLENE (HDPE) LOCKER BENCH**
MANUFACTURER: ASI STORAGE SOLUTIONS
PRODUCT: SOLID PLASTIC BENCH TOP
FINISH: GRAY #9200
SIZE: 9 1/2"W X 48"L
SUPPORT: TRAPEZOID PEDESTAL

15 MECHANICAL EQUIPMENT PLATFORM; RE: SITE3

16 SPRINKLER RISER; RE: SPRINKLER SP101

17 PAPER TOWEL DISPENSER; RE: SPEC 10 28 00

18 SALTWATER TANK; BY OWNER

LEGEND

- CMU WALL; RE: A8/A501
- 1 HR RATED WALL
- FE — FIRE EXTINGUISHER & WALL MOUNT BRACKET; RE: SPEC 10 44 16
- EMBEDDED STEEL PIPE BOLLARD; RE: E7/SIT3
- SURFACE MOUNTED STEEL PIPE BOLLARD; RE: H1/SITE3
- HS — UTILITY HAND SINK, RE: PLUMBING
- DOWNSPOUT & CONCRETE SPLASH BLOCK
- HB — HOSE BIBB, RE: PLUMBING.
- INTERIOR SIGNAGE; RE: H1/A004
- FWC — FIRE WATER CONNECTION, RE: SPRINKLER
- TS — TRANSITION STRIP; RE: SPEC 09 30 13
- FD — FLOOR DRAIN, RE: PLUMBING

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

ANNOTATION PLAN - FIRST FLOOR

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

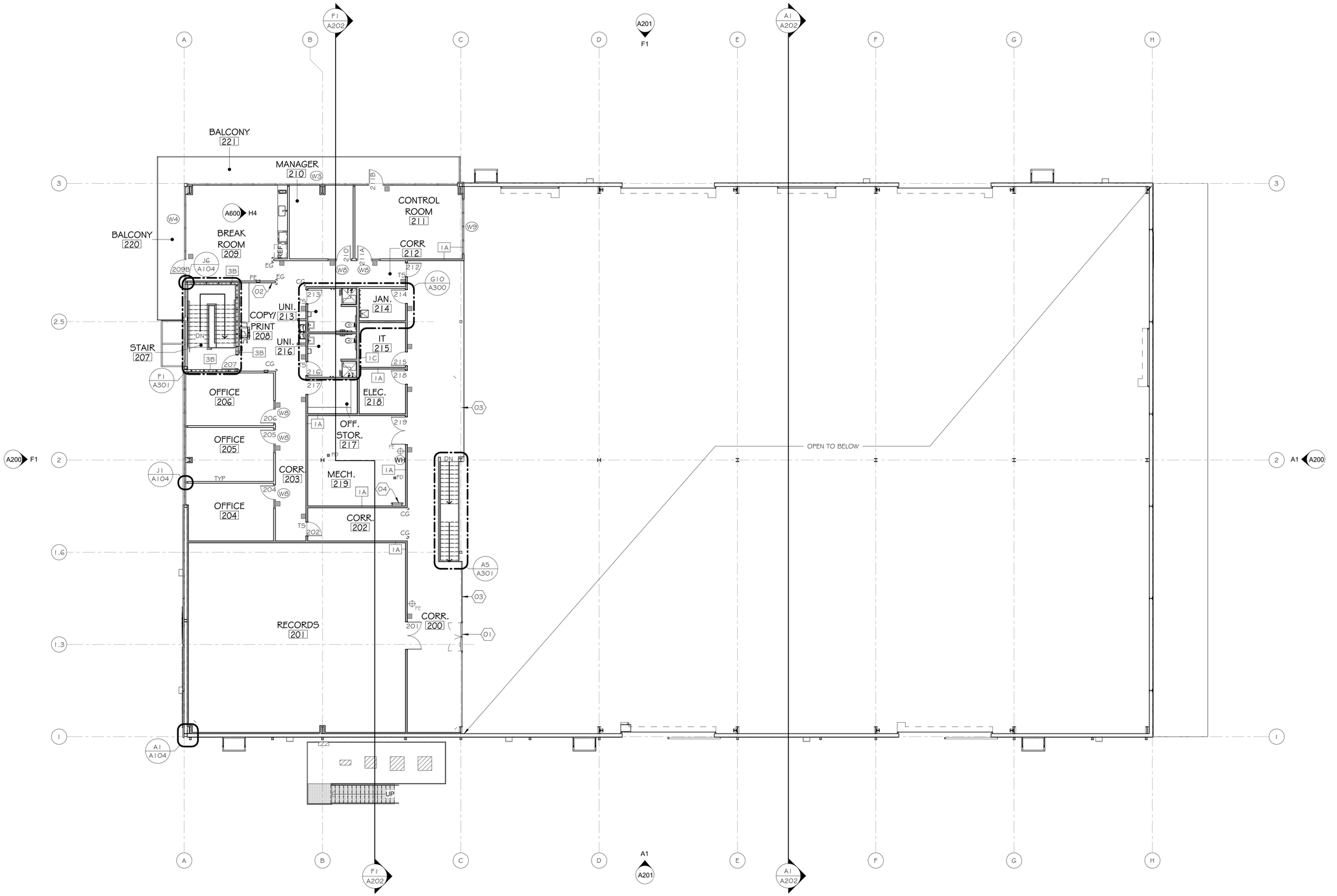
MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #	
SITE ID#	PROJECT NO. 2020-23
STATE ID#	FILE NAME LHMC1
PM/PIC EO/MW	DRAWN BY PD/NM

A102

A1	ANNOTATION PLAN - FIRST FLOOR
3/32" = 1'-0"	RE: A1 / A200



NORTH

0 2' 4' 8' 16'

SCALE: 3/32" = 1' - 0"

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

REFERENCE NOTES

01 (2) 36"W X 42"H RAILING SWING GATE WITH TOE BOARDS FOR FORKLIFT CARGO ACCESS. GATE TO HAVE LATCH

02 TWO-WAY COMMUNICATION SYSTEM CALL BUTTON

03 MEZZANINE AND STAIR RAILING TO BE PC-2; RE: G9/A002

04 ROOF ACCESS LADDER. RE: A109.

GENERAL NOTES

1. ALL DIMENSIONS TO WALLS ARE TAKEN FROM FACE OF STUD U.N.O.
2. ALL WALLS TO BE TYPE 2A U.N.O.
3. INTERIOR WALLS AT THE PERIMETER OF EXTERIOR WALLS TO BE 2-1/2" METAL STUD WITH ONE LAYER OF 5/8" GYPSUM BOARD ON INTERIOR FACE OF STUD.

LEGEND

- STUD WALL
- 1 HR RATED WALL
- TS — TRANSITION STRIP; RE: SPEC 09 30 13
- CG — CORNER GUARD
- INTERIOR SIGNAGE; RE: H1/A004
- FD — FLOOR DRAIN; RE: PLUMBING
- FE — FIRE EXTINGUISHER & WALL MOUNT BRACKET; RE: SPEC 10 44 16
- FE — SEMI-RECESSED FIRE EXTINGUISHER CABINET; RE: SPEC 10 44 13
- WH — WATER HEATER, RE: PLUMBING

GFP ARCHITECTURE INTERIOR DESIGN

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C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

ANNOTATION PLAN - MEZZANINE

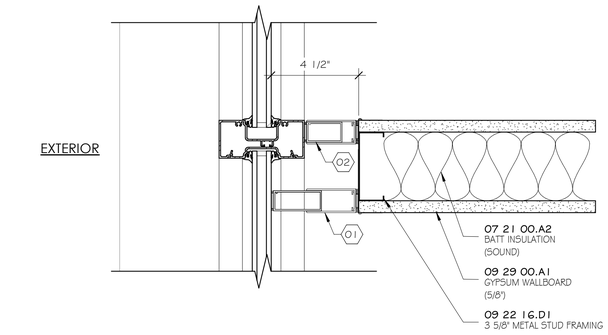
MICHAEL B. WILSON NO. 29971 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #	
SITE ID#	PROJECT NO. 2020-23
STATE ID#	FILE NAME LHMC1
PM/PIC EO/MW	DRAWN BY PD/NM

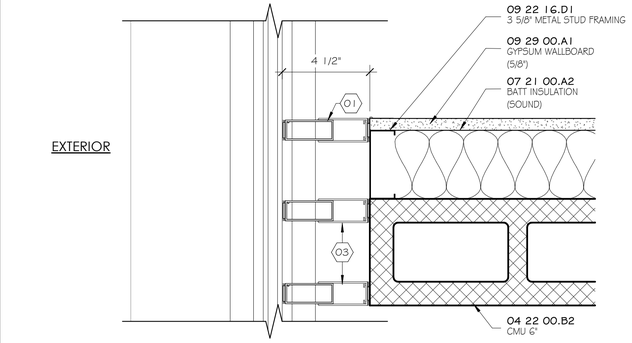
A103

A1	ANNOTATION PLAN - MEZZANINE
3/32" = 1'-0"	RE: A1 / A200



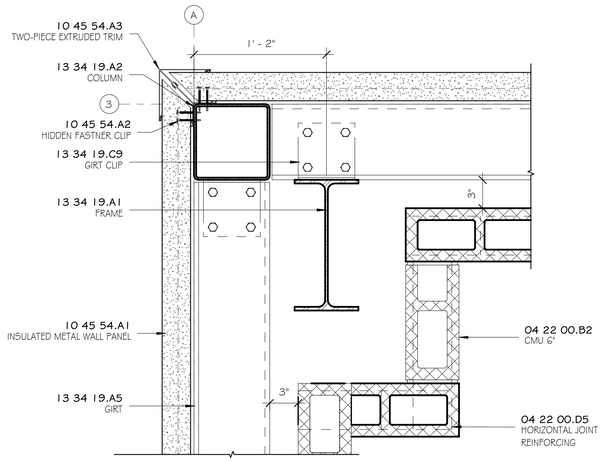
J1 | STUD WALL TERMINATION AT WINDOW, TYPICAL

3" = 1'-0" | RE: A1 / A103



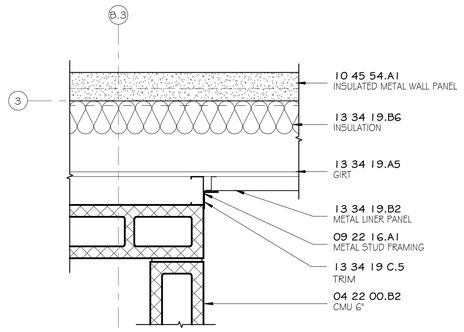
J6 | FIRE RATED WALL TERMINATION AT WINDOW

3" = 1'-0" | RE: A1 / A103



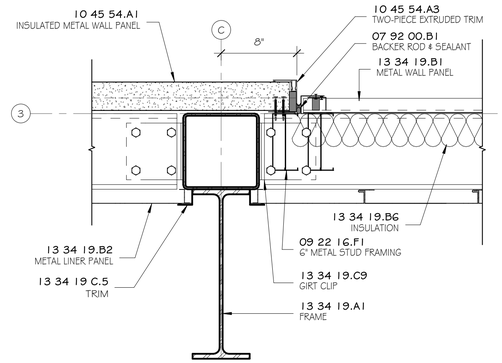
D1 | PLAN DETAIL @ COLUMN A-3

1 1/2" = 1'-0" | RE: A1 / A102



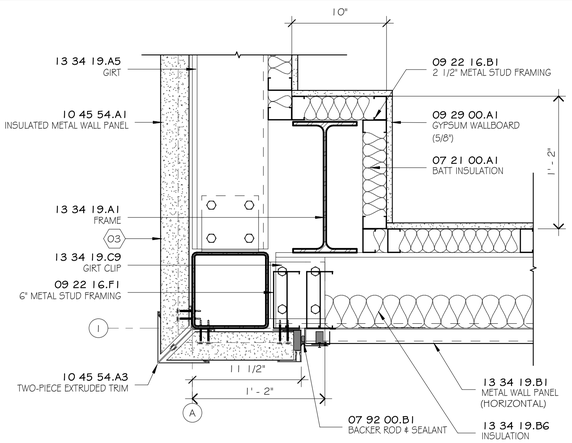
D6 | PLAN DETAIL @ COLUMN B.3-3

1 1/2" = 1'-0" | RE: A1 / A102



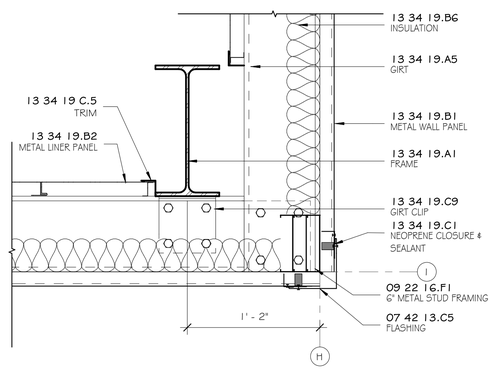
D11 | PLAN DETAIL @ COLUMN C-3

1 1/2" = 1'-0" | RE: A1 / A102



A1 | PLAN DETAIL @ COLUMN A-1

1 1/2" = 1'-0" | RE: A1 / A103



A6 | PLAN DETAIL @ COLUMN H-1

1 1/2" = 1'-0" | RE: A1 / A102

REFERENCE NOTES

01 **PARTITION TO GLASS GAP CLOSURE**
MANUFACTURER: GORDON ARCHITECTURAL ENGINEERED SOLUTIONS
PRODUCT: MULLIONMATE PRO-4 (SERIES 60)
FINISH: TO MATCH STOREFRONT SYSTEM FRAME
NOTE: TYPICAL AT ALL PARTITION TO GLASS CONNECTIONS

02 **PARTITION TO MULLION GAP CLOSURE**
MANUFACTURER: GORDON ARCHITECTURAL ENGINEERED SOLUTIONS
PRODUCT: MULLIONMATE PLUS-2 (SERIES 60)
FINISH: TO MATCH STOREFRONT SYSTEM FRAME
NOTE: TYPICAL AT ALL PARTITION TO MULLION CONNECTIONS

03 **PARTITION TO GLASS GAP CLOSURE (FIRE RATED)**
MANUFACTURER: GORDON ARCHITECTURAL ENGINEERED SOLUTIONS
PRODUCT: MULLIONMATE PRO, FR (SERIES 60)
FINISH: TO MATCH STOREFRONT SYSTEM FRAME
NOTE: TYPICAL AT ALL 1-HOUR FIRE BARRIER TO MULLION CONNECTIONS

GENERAL NOTES

1. BUILDING ENVELOPE INSULATION IS SPECIFIED IN SECTIONS 072100 "THERMAL INSULATION", 072140 "SPRAY FOAM INSULATION", AND 133419 "METAL BUILDING SYSTEMS. PROVIDE TOTAL ASSEMBLY R-VALUES AS FOLLOWS:
   1. EXTERIOR WALL ASSEMBLIES: R-19 MINIMUM.
   2. ROOF ASSEMBLY: R-30 MINIMUM.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

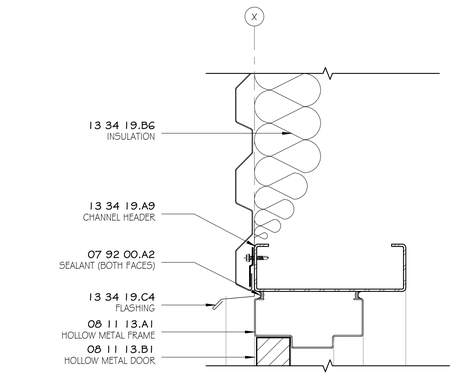
PLAN DETAILS

MICHAEL B. WILSON NO. 28917 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

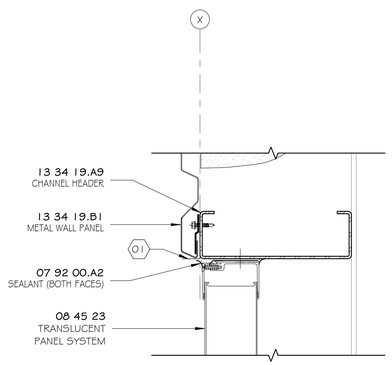
STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

A104



H1 DOOR HEAD WITH EXPOSED GIRTS DETAIL

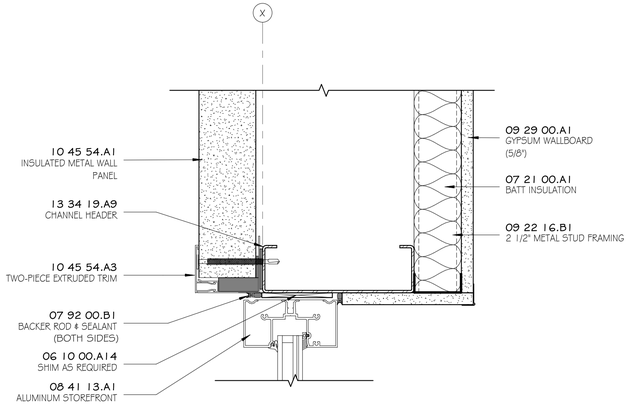
3" = 1'-0"



H5 TRANSLUCENT HEAD DETAIL

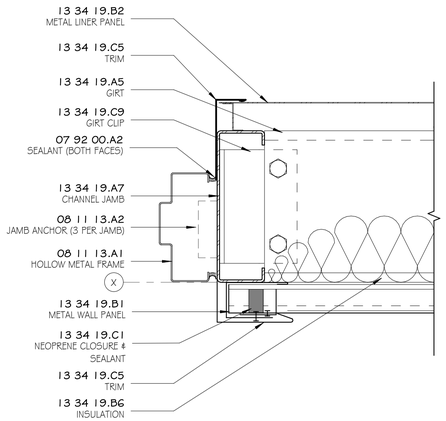
3" = 1'-0"

RE: H1 / A109



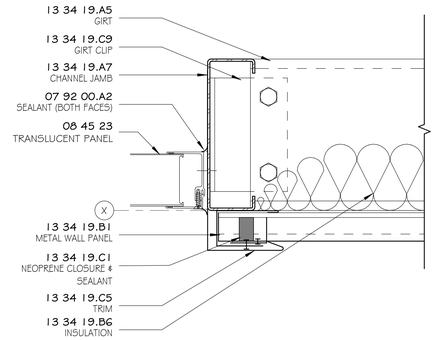
H10 WINDOW HEAD WITH GYP. INTERIOR DETAIL

3" = 1'-0"



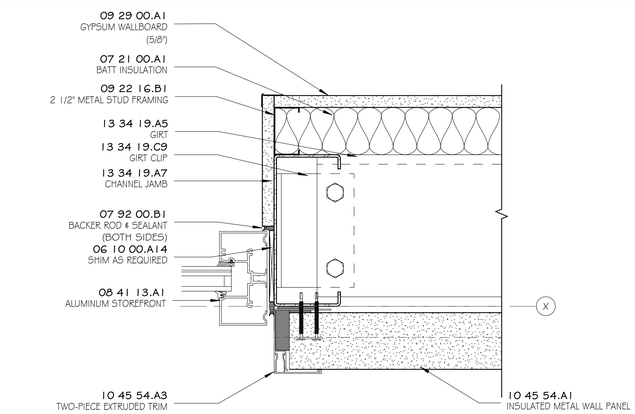
D1 DOOR JAMB WITH EXPOSED GIRTS DETAIL

3" = 1'-0"



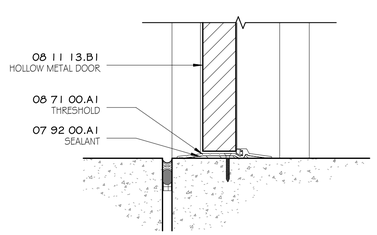
D5 TRANSLUCENT PANEL JAMB DETAIL

3" = 1'-0"



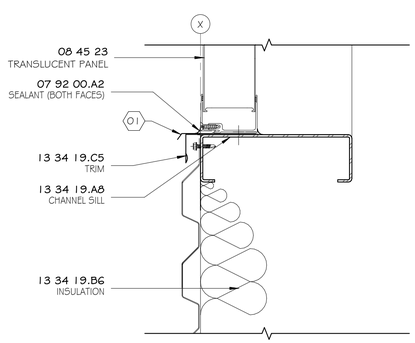
D10 WINDOW JAMB WITH GYP. INTERIOR DETAIL

3" = 1'-0"



A1 DOOR SILL DETAIL

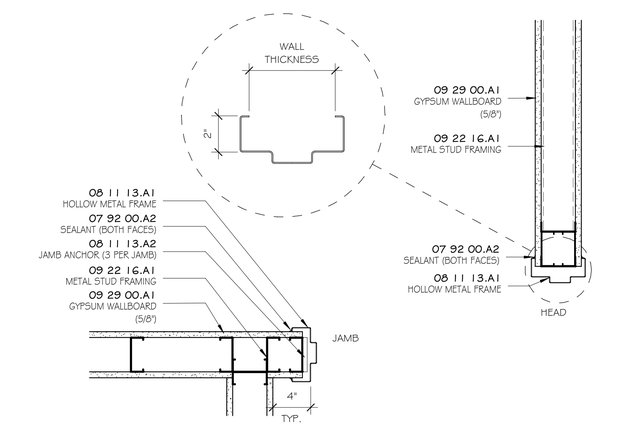
3" = 1'-0"



A5 TRANSLUCENT PANEL SILL DETAIL

3" = 1'-0"

RE: A5 / A500



A10 TYP. DOOR HEAD & JAMB DETAIL

1 1/2" = 1'-0"

REFERENCE NOTES

01 FLASHING BY TRANSLUCENT PANEL MANUFACTURER

GENERAL NOTES

1. FOR TRANSLUCENT PANEL HEAD DETAIL CONDITION REFER TO H1/A108.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

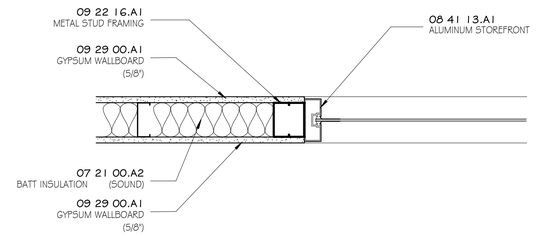
HEAD, JAMB, & SILL DETAILS

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

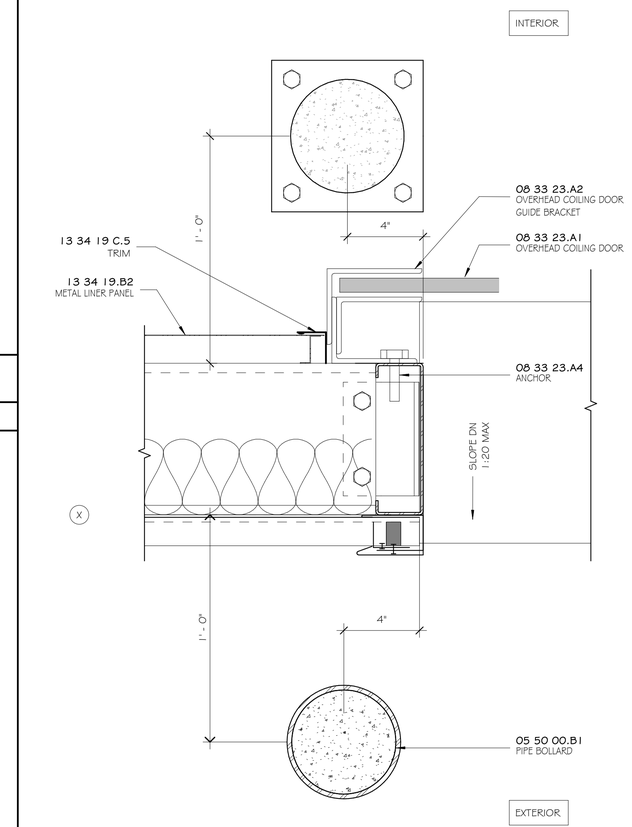
STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

A105



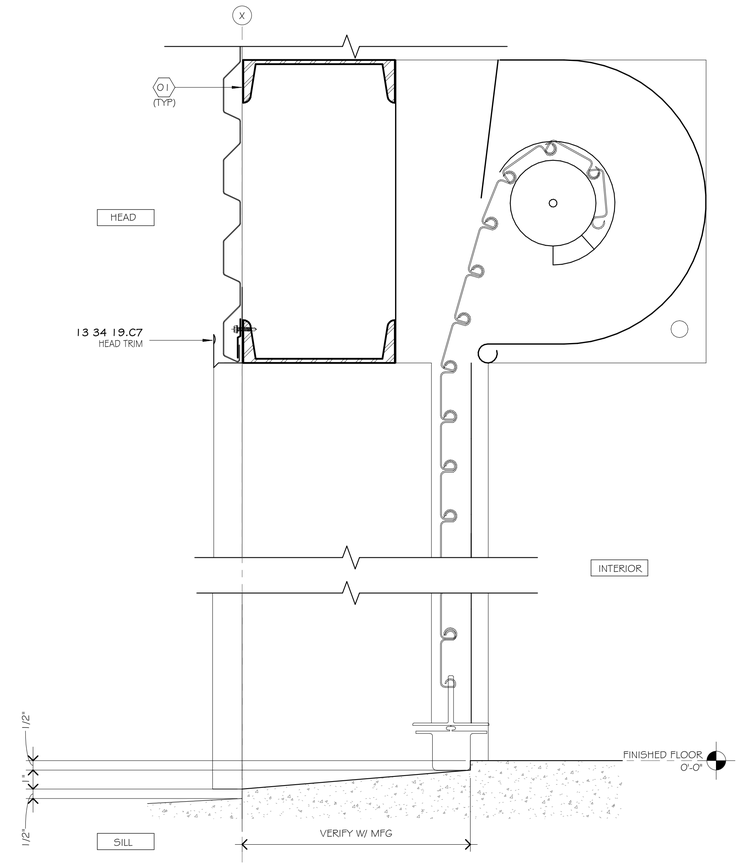
H9 TYP. INTERIOR WINDOW JAMB DETAIL

1 1/2" = 1'-0"



A5 OVERHEAD DOOR JAMB DETAIL

3" = 1'-0"



A9 OVERHEAD DOOR HEAD AND SILL DETAIL

3" = 1'-0"

RE: A5 / A500

REFERENCE NOTES

01 PEMB TO PROVIDE STRUCTURAL SUPPORT

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

HEAD, JAMB, & SILL DETAILS

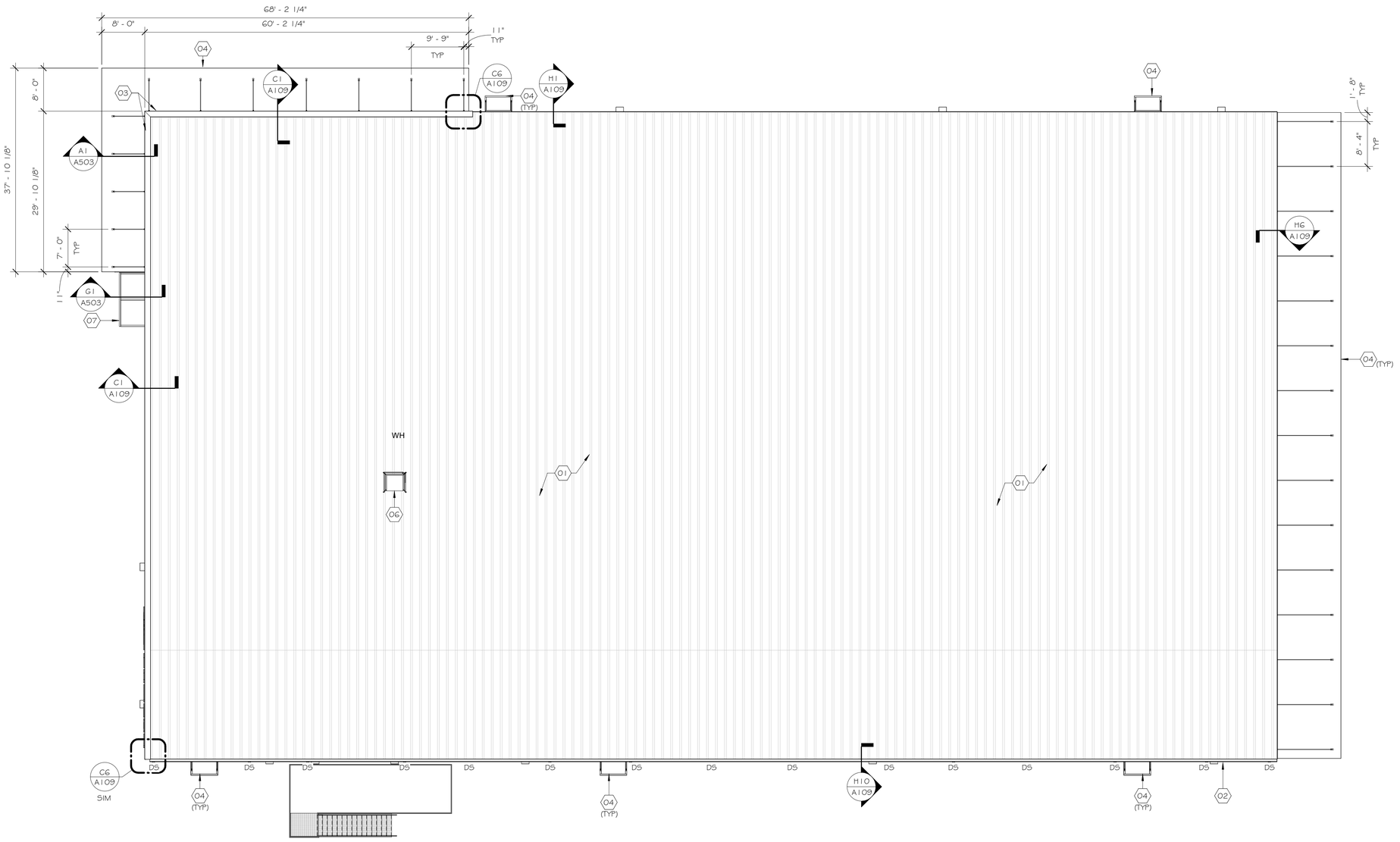
MICHAEL B. WILSON NO. 29973 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

A106

NOTE:
CHARTS ARE BASED OFF OF A 100 YEAR 1 HR RAIN FALL WITH AN INTENSITY OF 10.9 INCHES PER HOUR

ROOF GUTTER & DOWNSPOUT CALCULATIONS			
ROOF AREA + (1/2 VERTICAL SURFACE)	GUTTER SIZE	DOWNSPOUT SIZE	DOWNSPOUT COUNT
25,409 SF	6"X6"	6"X6"	15



NORTH

0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

A1 | ROOF PLAN

3/32" = 1'-0" | RE: C1 / A109

REFERENCE NOTES

01 SYMMETRICAL STANDING SEAM ROOF PANEL SYSTEM WITH BATTEN SEAM CAPS
02 PRE-FINISHED METAL GUTTER
03 PRE-FINISHED METAL COPING AT PARAPET WALL
04 METAL HANGER ROD CANOPY, RE: G1/A501
05 SIDE WALL EXHAUST FAN WITH 90° WEATHER HOOD, RE: MECHANICAL
06 ROOF HATCH; RE: A109
07 CANTILEVER CANOPY, RE: G1/A503

GENERAL NOTES

1. ROOF PANEL SYSTEM AND METAL FLASHING TO BE INSTALLED PER FM 1-31 & FM 1-39.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
F	ISSUED FOR BID	09/25/25
E	ROOF CLARIFICATIONS	09/04/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

ROOF PLAN

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

A107

ROOF DATA

BUILDING CODE: INTERNATIONAL BUILDING CODE 2021

LIVE LOADS:
ROOF 20 PSF

WIND CRITERIA PER ASCE 7-16:
VULT: 155 MPH
VASD: 120MPH

EXPOSURE C
RISK CAT. II

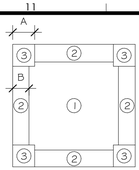
THE FOLLOWING INFORMATION IS IN ADDITION TO THE ABOVE:

PER FACTORY MUTUAL (FM) PUBLICATION 1-28 THE ROOF SHALL ALSO MEET THE FOLLOWING UPLIFT PRESSURES (FM DESIGN WIND SPEED (EXP C)= 100 MPH)

FM PRESSURES ARE SERVICE LEVEL FORCES

ZONE 1 - 25 PSF x 1.0 (FM MULTIPLIER) x 2.0 (SAFETY FACTOR) = 50 PSF
ZONE 2 - 25 PSF X 1.68 (FM MULTIPLIER) X 2.0 (SAFETY FACTOR) = 84 PSF
ZONE 3 - 25 PSF X 2.53 (FM MULTIPLIER) X 2.0 (SAFETY FACTOR) = 127 PSF

PER THE ABOVE THE FOLLOWING FM WIND UPLIFT RATINGS ARE REQD:
ZONE 1 - FM 1-60
ZONE 2 - FM 1-90
ZONE 3 - FM 1-135

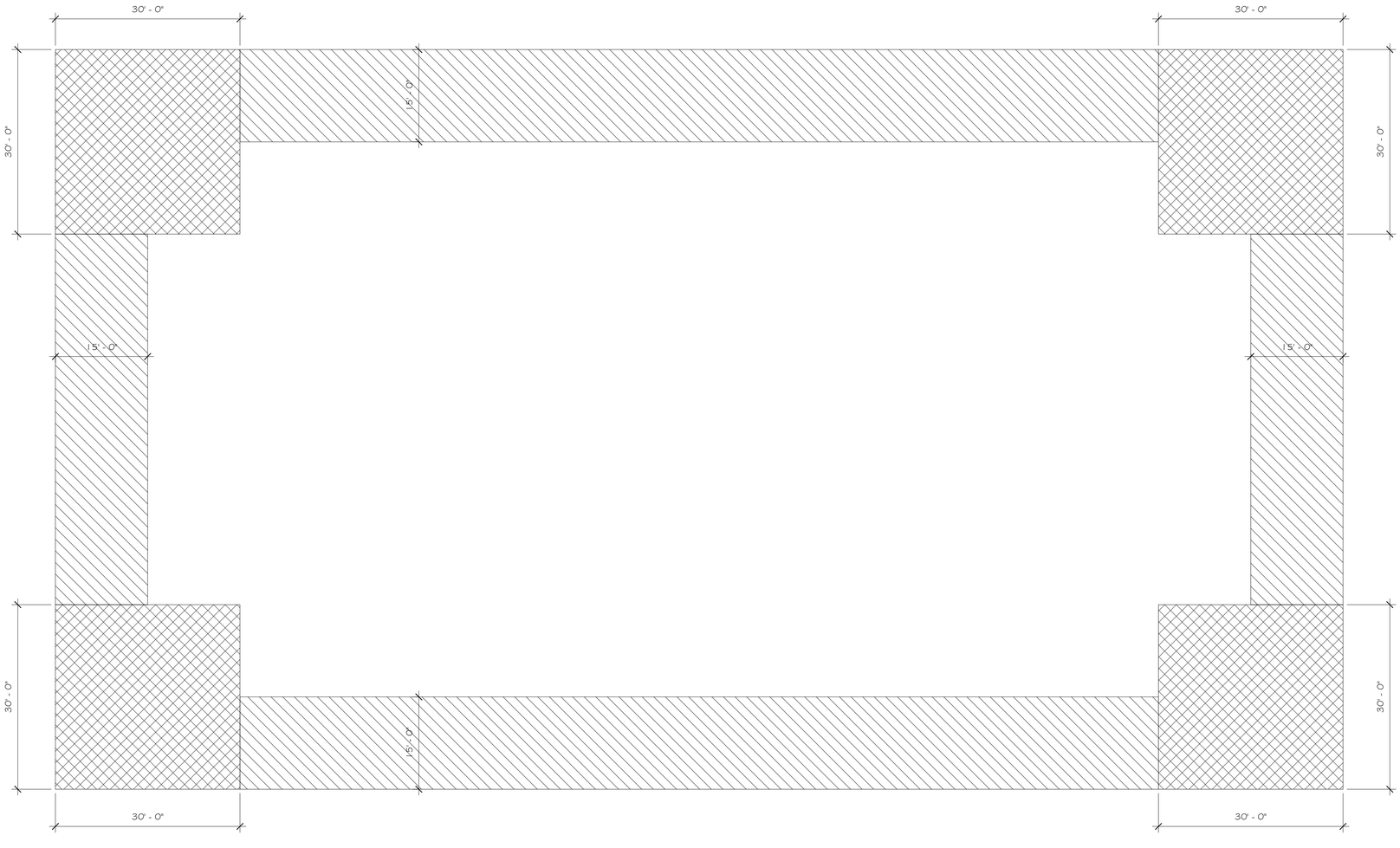


ROOF PLAN

ROOF	EFFECTIVE AREA (ft²)	PRESSURE (PSF)					
		ZONE 1		ZONE 2		ZONE 3	
		POSITIVE	UPLIFT	POSITIVE	UPLIFT	POSITIVE	UPLIFT
COMPONENTS AND CLADDING	10	24	-93	24	-122	24	-167
	20	22	-87	22	-115	22	-151
	50	20	-79	20	-104	20	-130
	100	19	-73	19	-96	19	-115

STRENGTH LEVEL (ULTIMATE) COMPONENT & CLADDING LOADING ON ROOF AREAS:

ALL ROOF COMPONENTS/CLADDING TO BE DESIGNED FOR UPLIFT PRESSURES SHOWN IN TABLE (A=30 FT; B=15 FT)



LEGEND

- ROOF ZONE 1
- ROOF ZONE 2
- ROOF ZONE 3

NO.	REVISION / DESCRIPTION	DATE
2	ISSUED FOR BID	09/25/25
1	ROOF CLARIFICATIONS	09/04/25

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

ROOF ZONE PLAN & ROOF DATA

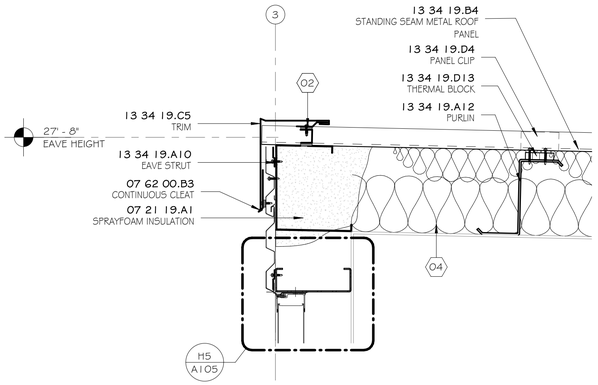
MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

DATE 09/25/2025

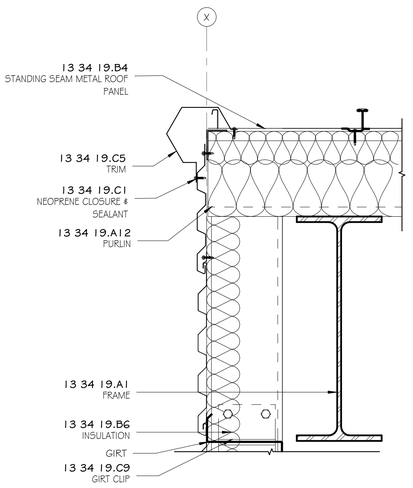
A108

A1	ROOF ZONE PLAN
3/32" = 1'-0"	RE: C1 / A109



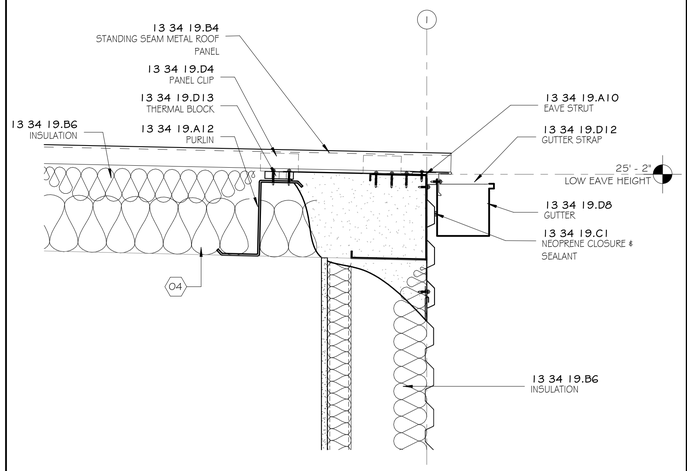
H1 ROOF HIGH EAVE DETAIL

1 1/2" = 1'-0" RE: A1 / A107



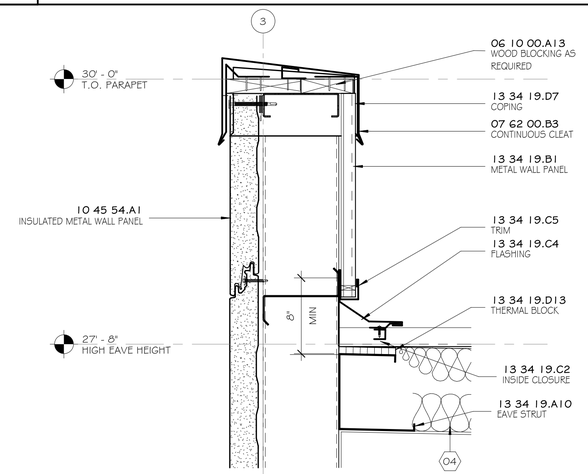
H6 ROOF RAKE DETAIL

1 1/2" = 1'-0" RE: A1 / A107



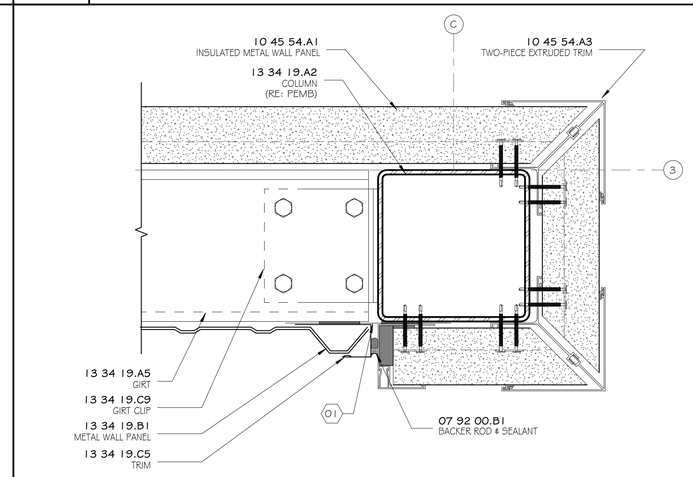
H10 ROOF LOW EAVE DETAIL

1 1/2" = 1'-0" RE: A1 / A107



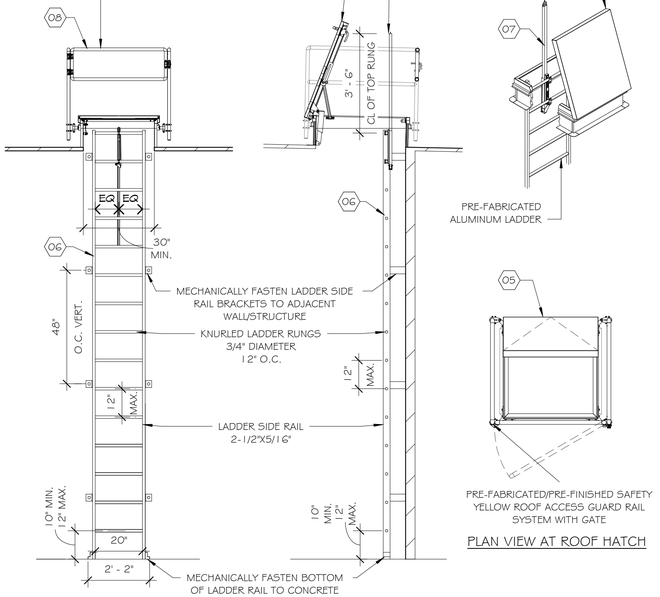
C1 PARAPET SECTION DETAIL

1 1/2" = 1'-0" RE: A1 / A107



C6 PARAPET DETAIL AT RAKE

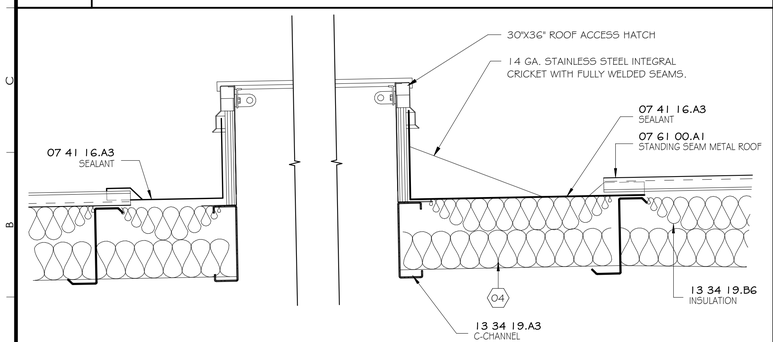
3" = 1'-0" RE: A1 / A107



PLAN VIEW AT ROOF HATCH

A10 LADDER DETAILS

3/8" = 1'-0"



A1 ROOF HATCH DETAIL

1 1/2" = 1'-0"

REFERENCE NOTES

01 CONTINOUS 24GA STAINLESS STEEL 6" FLASHING

02 STAINLESS 24GA Z-CLIP SET IN MASTIC

03 COMPRESSION FIT PRE-FINISHED 24GA BREAK METAL TRIM

04 SUPPORT UNFACED BATT INSULATION WITH WIREMESH FROM PURLIN TO PURLIN

05 **THERMALLY BROKEN SINGLE LEAF ROOF HATCH:**
MANUFACTURER: ACUDOR, BABCOCK-DAVIS, THE BILCO, OR APPROVED EQUAL
PRODUCT: RHATB, BRHTA, TYPE E-50TB
SIZE: 30" X 36"
FINISH: POWDER COATED ALUMINUM; COLOR TO BE SELECTED BY ARCHITECT

06 **LADDER SYSTEM:**
MANUFACTURER: ACUDOR, BABCOCK-DAVIS, THE BILCO, OR APPROVED EQUAL
PRODUCT: RGS, MODEL BSRCAY, MODEL 2.0
FINISH: MANUFACTURERS POLYESTER POWDER COAT PAINT FINISH; COLOR SAFETY YELLOW

07 **LADDER-ASSIST POST:**
MANUFACTURER: ACUDOR, BABCOCK-DAVIS, THE BILCO, OR APPROVED EQUAL
PRODUCT: TSP, MODEL BSPY, LU-1
FINISH: MANUFACTURERS STANDARD POWDER COAT; COLOR SAFETY YELLOW

08 **SAFETY RAILING SYSTEM:**
MANUFACTURER: ACUDOR, BABCOCK-DAVIS, THE BILCO, OR APPROVED EQUAL
PRODUCT: RGS, MODEL BSRCAY, MODEL 2.0
FINISH: MANUFACTURERS POLYESTER POWDER COAT PAINT FINISH; COLOR SAFETY YELLOW

GENERAL NOTES

1. SHEET METAL FLASHING TO BE INSTALLED PER FM 1-31 AND FM 1-49 REQUIRMENTS BASED ON ROOF ZONING AND WIND UPLIFT DATA.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	ROOF CLARIFICATIONS	09/04/25
C	CDS-ISSUED FOR APPROVAL	05/15/25
B	CDS - ISSUED FOR APPROVAL	04/21/22

CRUMP WILSON ARCHITECTS
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Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

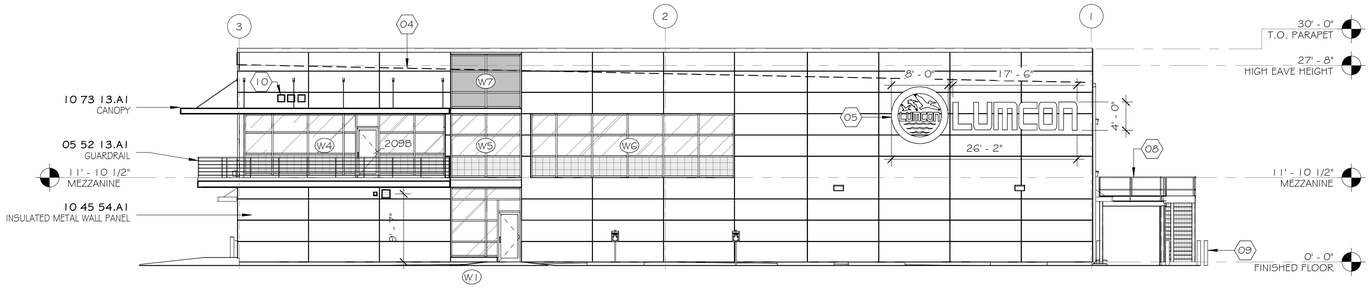
HOUMA, LA

ROOF DETAILS

MICHAEL B. WILSON NO. 29971 STATE OF LOUISIANA REGISTERED ARCHITECT

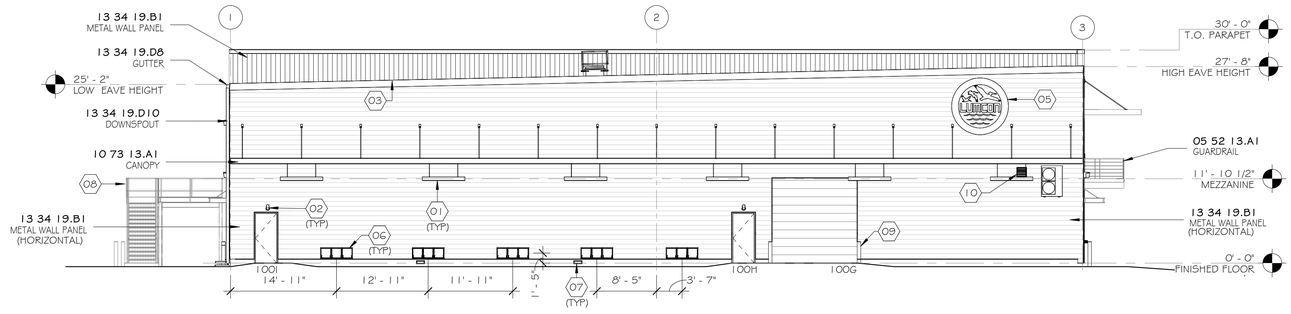
STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

A109



F1 NORTH ELEVATION

3/32" = 1'-0" RE: A1 / A102



A1 SOUTH ELEVATION

3/32" = 1'-0" RE: A1 / A102

REFERENCE NOTES

01 EXTERIOR SUSPENDED LINEAR LIGHT FIXTURE; RE: ELECTRICAL

02 EXTERIOR EGRESS LIGHT FIXTURE CENTERED ABOVE DOOR

03 PRE-FINISHED METAL RAKE TRIM

04 ROOF LINE BEYOND WALL

05 **DIMENSIONAL ALUMINIUM SIGN**
PRODUCT: ASI LF SERIES FABRICATED ALUMINUM LOGO, NON-ILLUMINATED
FINISH: BRUSHED VERTICAL ALUMINIUM
MOUNT: 5" DEEP RETURNS, STUD MOUNT W/ 1-1/2" STANDOFFS
NOTE: METAL FRAMING AND/OR WOOD BLOCKING IN WALL AS NECESSARY TO SUPPORT ALUMINUM SIGN

06 FLOOD VENT; RE: SPEC

07 SLAB SCUPPER; RE: A10/A502

08 MECHANICAL EQUIPMENT ON PLATFORM

09 EMBEDDED BOLLARD; RE: SITE2

10 EXHAUST LOUVER; RE: MECHANICAL

GENERAL NOTES

1. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.
2. FINISHED FLOOR ELEVATION 0' - 0" ON ELEVATIONS AND SECTIONS EQUALS ELEVATIONS OF 4.50' ON SITE DRAWINGS AND FOUNDATION GRADING PLAN.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

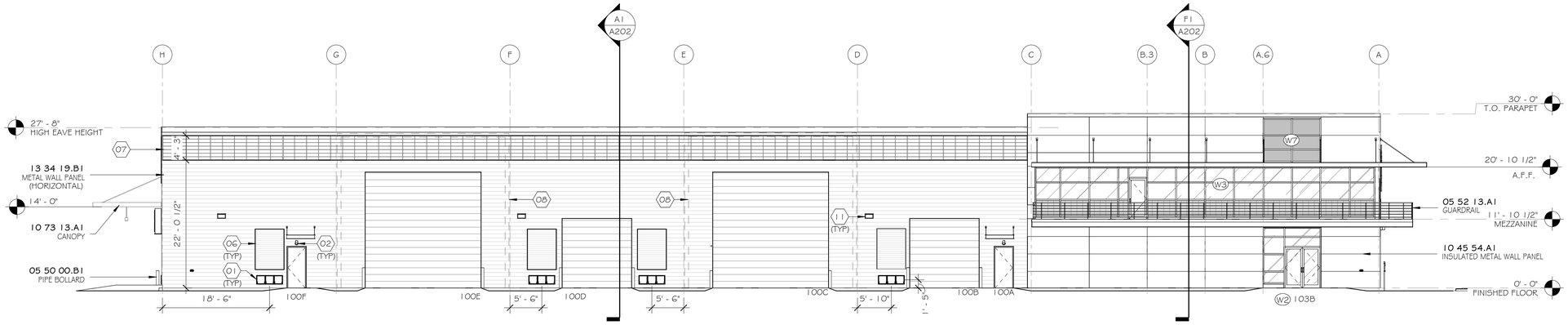
HOUMA, LA

EXTERIOR ELEVATIONS

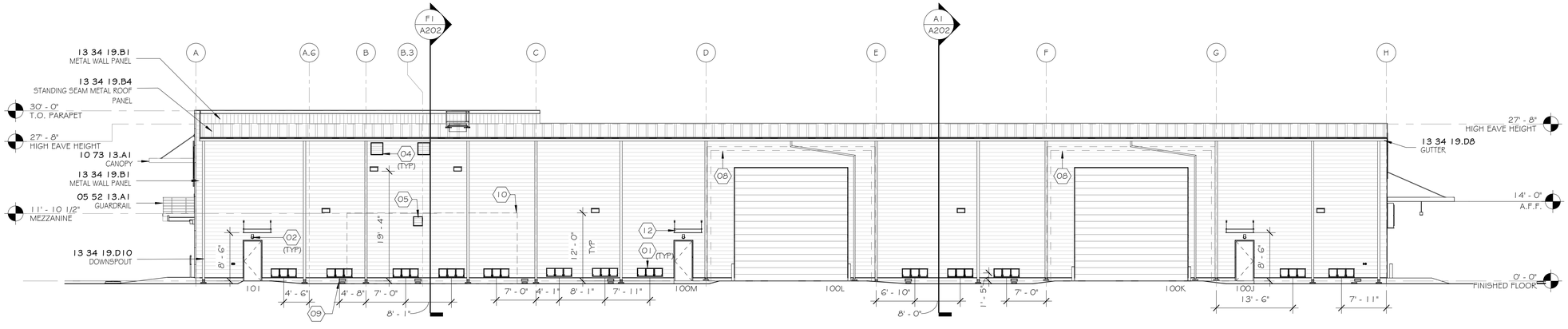
MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM
DATE	09/25/2025		

A200



F1	EAST ELEVATION
3/32" = 1'-0"	RE: A1 / A102



A1	WEST ELEVATION
3/32" = 1'-0"	RE: A1 / A102

REFERENCE NOTES

01 FLOOD VENT; RE: SPEC SECTION 08 95 43
02 EXTERIOR EGRESS LIGHT FIXTURE CENTERED ABOVE DOOR
03 SIDE WALL EXHAUST FAN WITH WEATHER HOOD; RE: MECHANICAL
04 EXHAUST GRILLE; RE: MECHANICAL
05 FRESH AIR LOUVER; RE: MECHANICAL
06 INTAKE LOUVER; RE: MECHANICAL
07 TRANSLUCENT WALL PANEL SYSTEM; RE: SPEC SECTION 08 45 23
08 PEMB PORTAL FRAME BEYOND WALL
09 SLAB SCUPPER; RE: A1 0/A502
10 EQUIPMENT PLATFORM; RE: MECHANICAL
11 EXTERIOR WALL PACK LIGHTING; RE: ELECTRICAL

GENERAL NOTES

1. FINISHED FLOOR ELEVATION 0' - 0" ON ELEVATIONS AND SECTIONS EQUALS ELEVATIONS OF 4.50' ON SITE DRAWINGS AND FOUNDATION GRADING PLAN.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

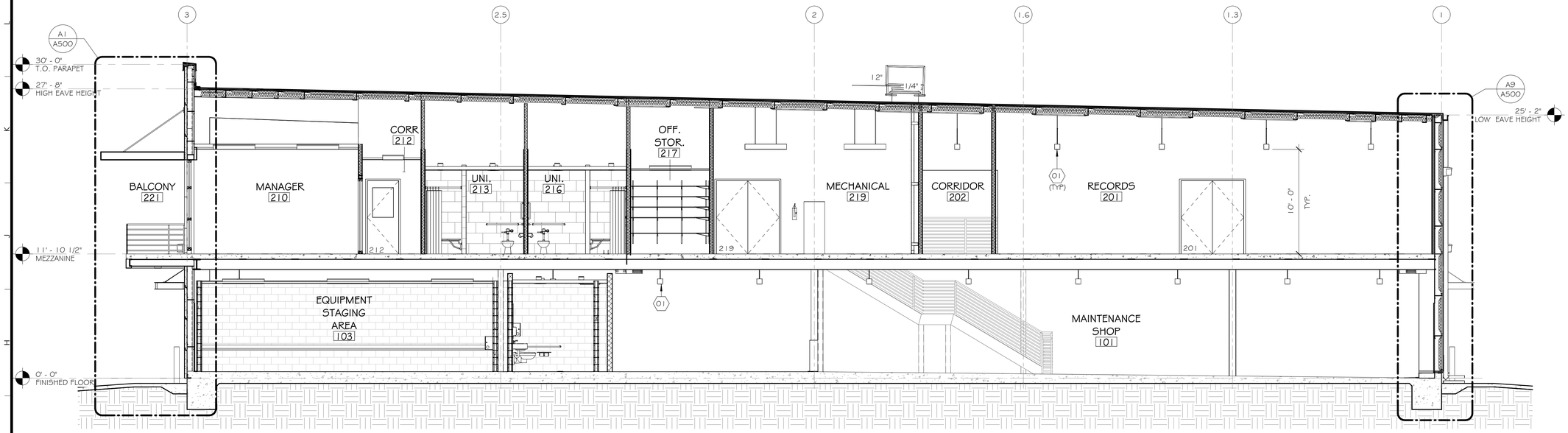
EXTERIOR ELEVATIONS

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM

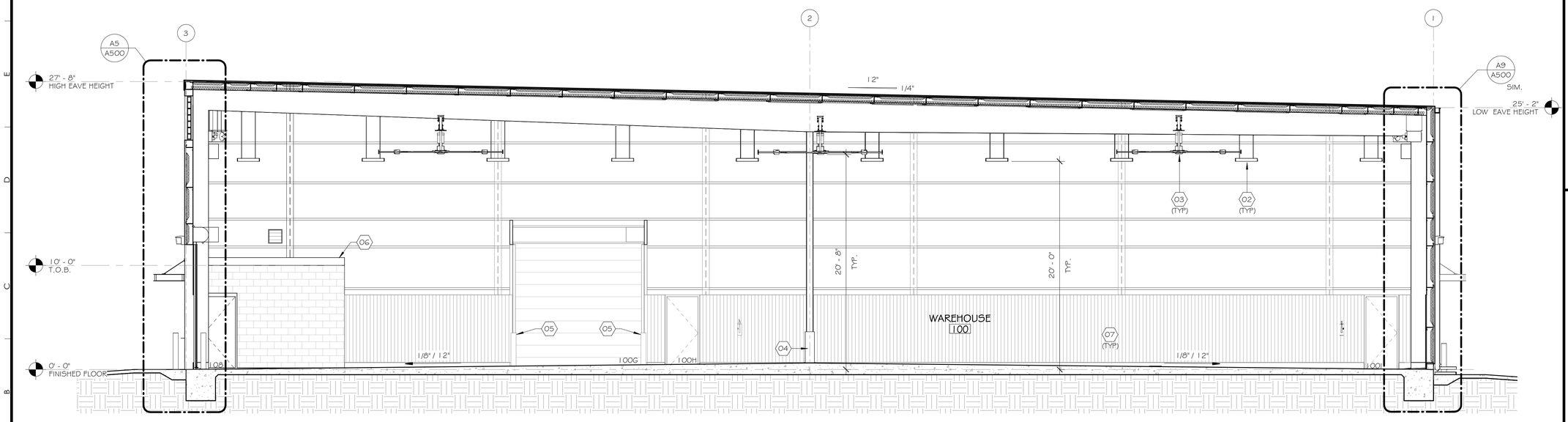
DATE 09/25/2025

A201



F1 BUILDING SECTION 2

3/16" = 1'-0" RE: A1 / A102



A1 BUILDING SECTION 1

3/16" = 1'-0" RE: A1 / A102

REFERENCE NOTES

01 SUSPENDED LINEAR LIGHT FIXTURE; RE: ELECTRICAL

02 HIGH BAY LED LIGHT FIXTURE; RE: ELECTRICAL

03 HIGH VOLUME LOW SPEED FAN. FAN TO BE INTERLOCKED WITH FIRE WATER FLOW VALVE AND TO SHUT OFF IN THE EVENT OF A FIRE, RE: MECHANICAL & FIRE PROTECTION

04 SURFACE MOUNTED STEEL COLUMN PROTECTOR

05 SURFACE MOUNTED STEEL PIPE BOLLARD

06 DECK ABOVE CMU TOILET ROOM WITH 3/4" CDX PLYWOOD AND PREFINISHED BREAK METAL AT PERIMETER OF DECK; RE: F4 & H4/A502 FOR FRAMING

07 METAL LINER PANEL

GENERAL NOTES

1. PAINT ALL EXPOSED STEEL 7' ABOVE FINISH FLOOR.
2. FINISHED FLOOR ELEVATION 0' - 0" ON ELEVATIONS AND SECTIONS EQUALS ELEVATIONS OF 4.50' ON SITE DRAWINGS AND FOUNDATION GRADING PLAN.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
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C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

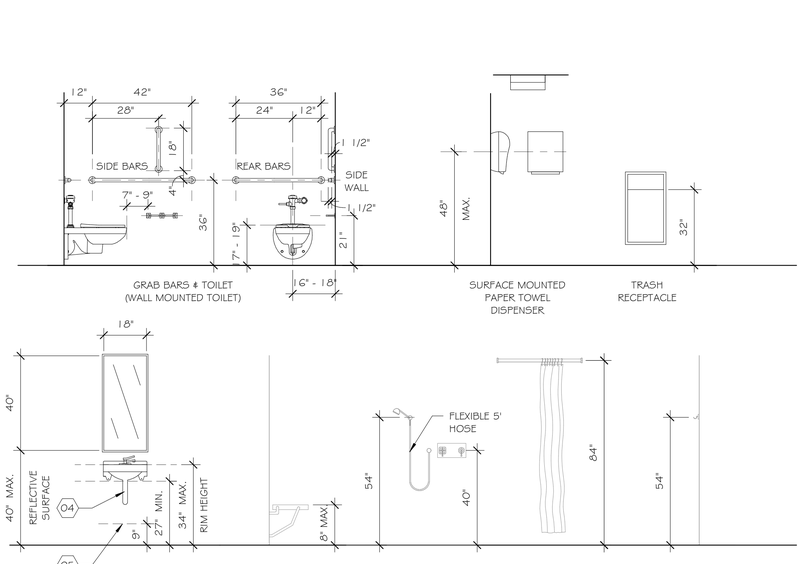
BUILDING SECTIONS

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

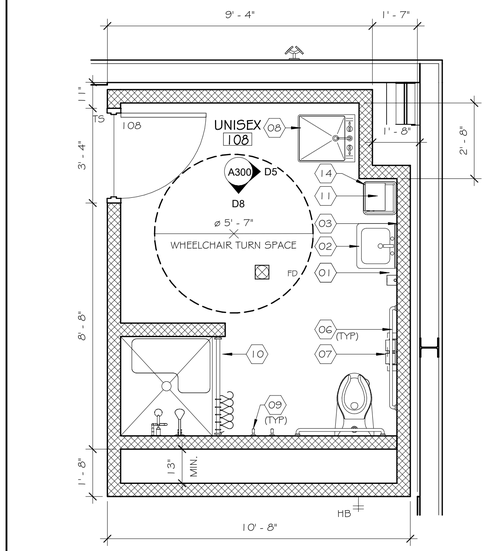
STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

DATE 09/25/2025

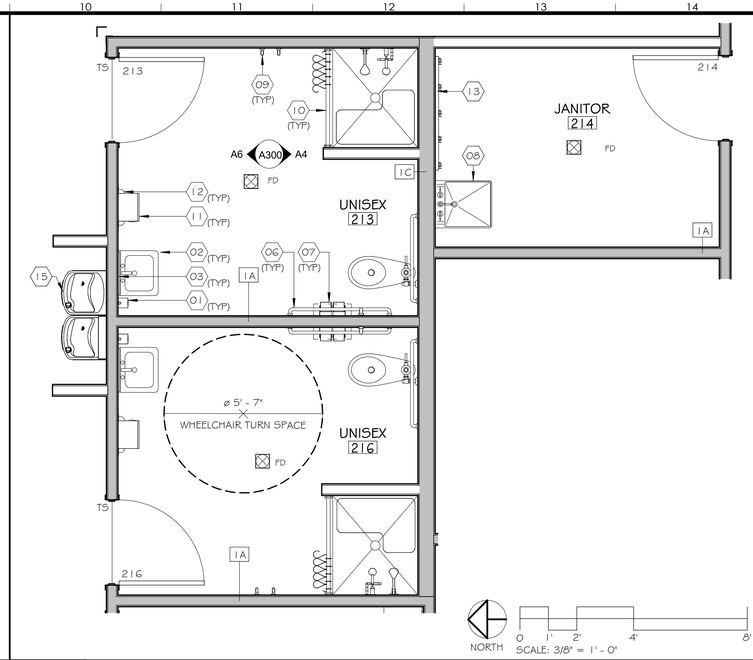
A202



G1	MOUNTING HEIGHTS
3/8" = 1'-0"	



G6	TOILET 108 - ENLARGED FLOOR PLAN
3/8" = 1'-0"	RE: A1 / A102



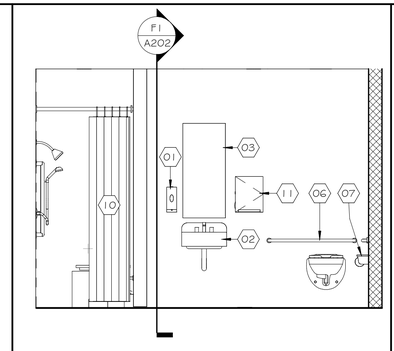
G10	TOILET 213 & 216 & JANITOR 214 - ENLARGED FLOOR PLAN
3/8" = 1'-0"	RE: A1 / A103

REFERENCE NOTES

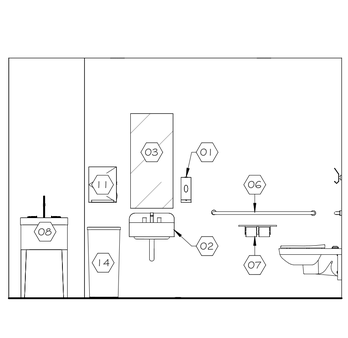
01 SOAP DISPENSER; RE: SPEC 10 28 00
02 WALL HUNG LAVATORY
03 MIRROR; RE: SPEC 10 28 00
04 INSULATE EXPOSED PLUMBING PIPING
05 LINE OF KNEE & TOE CLEARANCE
06 GRAB BARS; RE: SPEC 10 28 00
07 TOILET TISSUE DISPENSER; RE: SPEC 10 28 00
08 UTILITY SINK; RE: SPEC 10 28 00
09 ROBE HOOK; RE: SPEC 10 28 00
10 CURTAIN ROD & CURTAIN; RE: G9/A002 & SPEC 10 28 00
11 PAPER TOWEL DISPENSER; RE: SPEC 10 28 00
12 TRASH RECEPTACLE - SEMI-RECESSED; RE: SPEC 10 28 00
13 MOP HOLDER; RE: SPEC 10 28 00
14 TRASH RECEPTACLE, FLOOR STANDING
15 BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER
16 METAL GROMMET; RE: INTERIOR ELEVATIONS

LEGEND

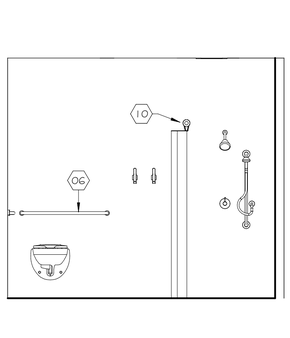
TS — TRANSITION STRIP; RE: SPEC 09 30 13
FD — FLOOR DRAIN; RE: PLUMBING.



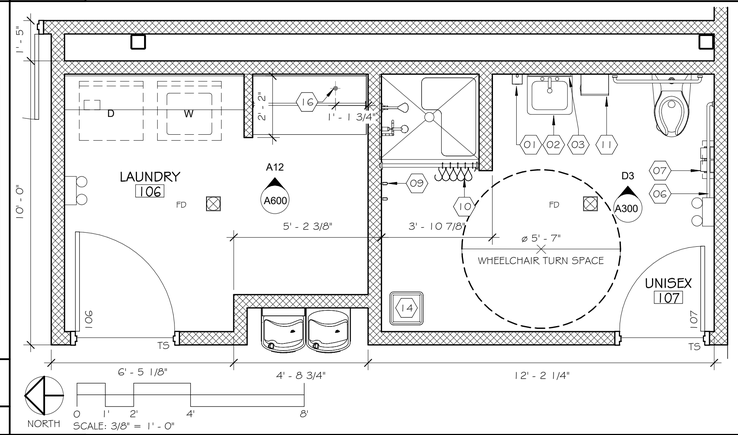
D3	106 TOILET - EAST
3/8" = 1'-0"	RE: C10 / A300



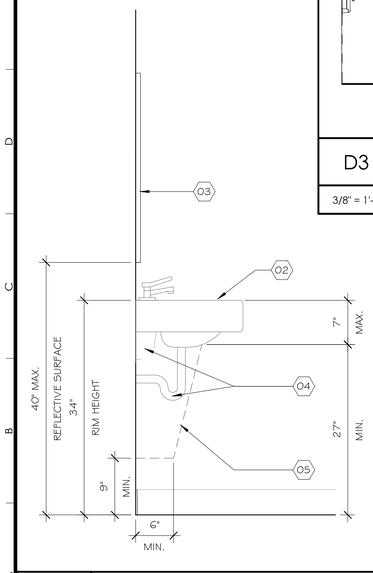
D5	108 TOILET - SOUTH
3/8" = 1'-0"	RE: G6 / A300



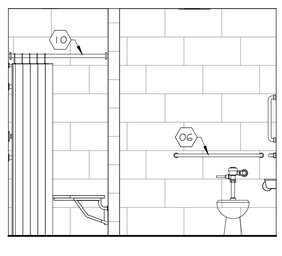
D8	108 TOILET - WEST
3/8" = 1'-0"	RE: G6 / A300



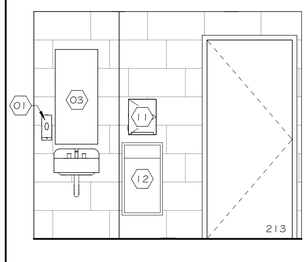
C10	TOILET 106 & LAUNDRY 107 - ENLARGED FLOOR PLAN
3/8" = 1'-0"	RE: A1 / A102



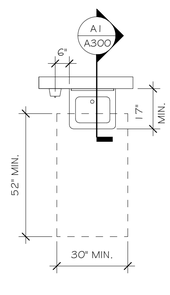
A1	WALL HUNG LAVATORY SECTION
1" = 1'-0"	RE: A8 / A300



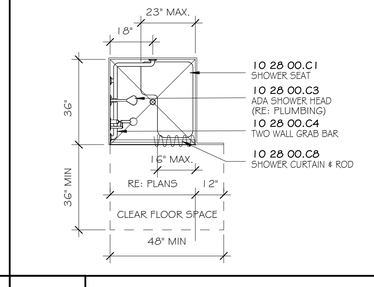
A4	213 TOILET - SOUTH
3/8" = 1'-0"	RE: G10 / A300



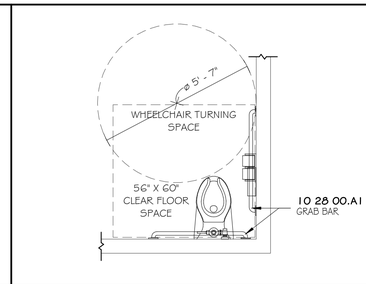
A6	213 TOILET - NORTH
3/8" = 1'-0"	RE: G10 / A300



A8	LAVATORY DETAILS
3/8" = 1'-0"	



A10	ADA SHOWER
3/8" = 1'-0"	



A12	TOILET CLEARANCE
3/8" = 1'-0"	

GFP ARCHITECTURE INTERIOR DESIGN

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F	ISSUED FOR BID	09/25/25
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D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

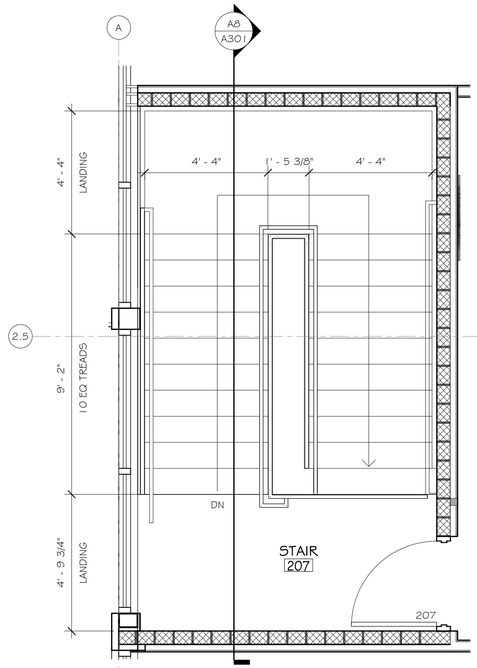
ENLARGED RESTROOM PLANS & DETAILS

MICHAEL B. WILSON NO. 29973 STATE OF LOUISIANA REGISTERED ARCHITECT

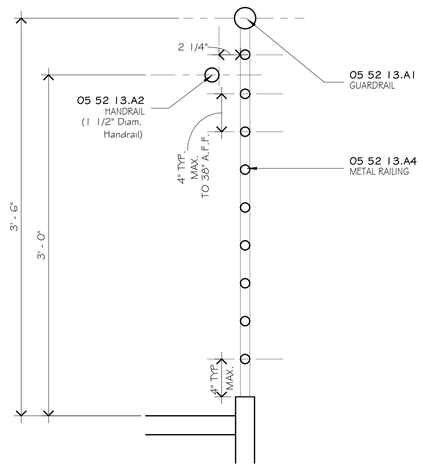
DATE 09/25/2025

STATE PROJ. #
SITE ID# — PROJECT NO. 2020-23
STATE ID# — FILE NAME LHMC1
PM/PIC EO/MW — DRAWN BY PD/NM

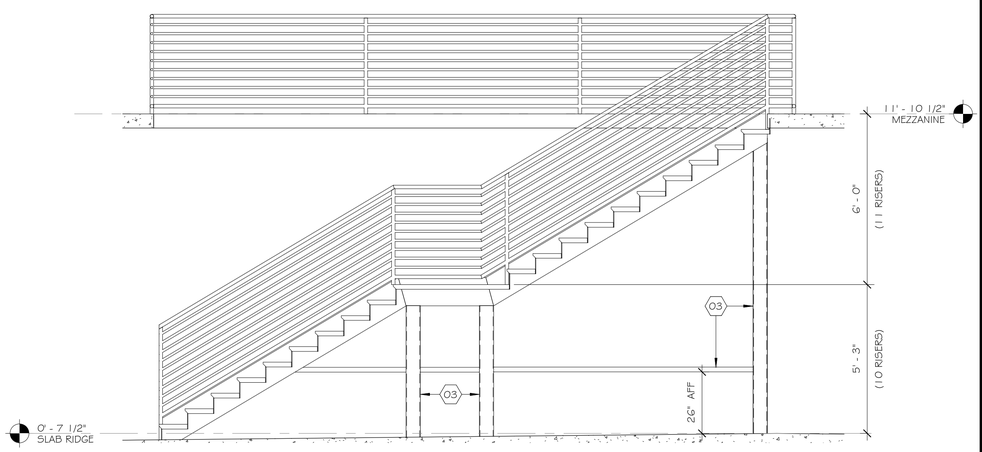
A300



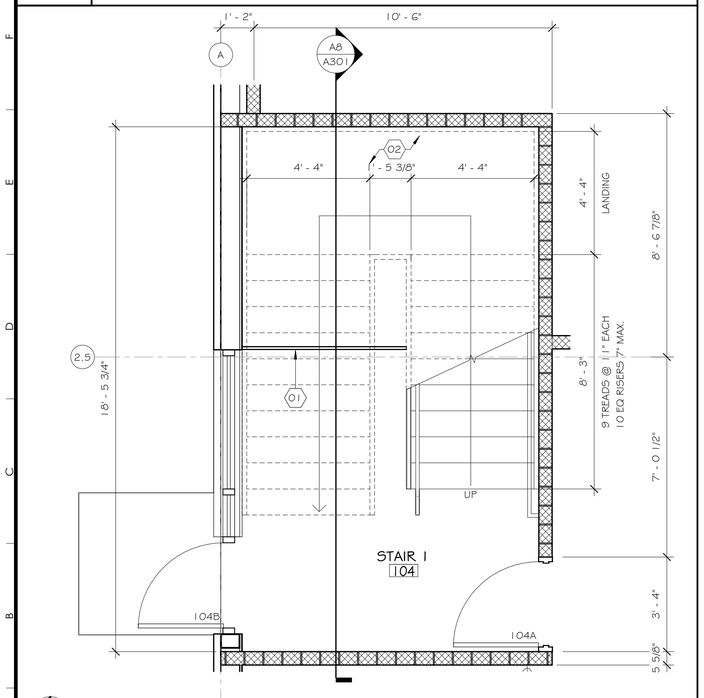
F1	ENLARGED STAIR PLAN - MEZZANINE
3/8" = 1'-0"	RE: A1 / A103



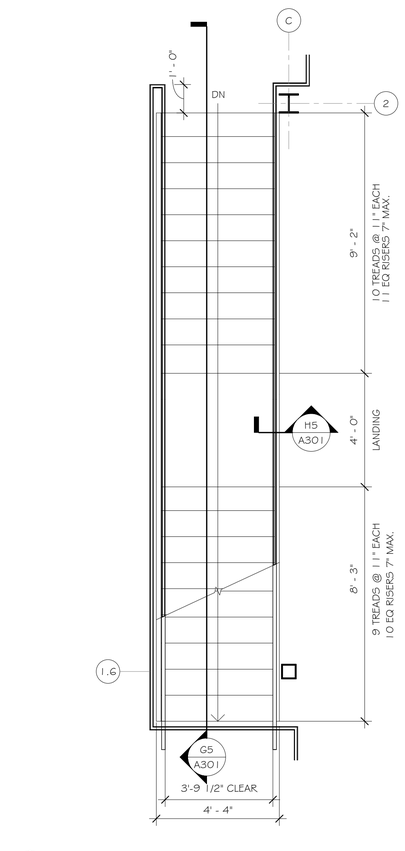
H5	TYPICAL RAILING DETAIL
1 1/2" = 1'-0"	RE: A5 / A301



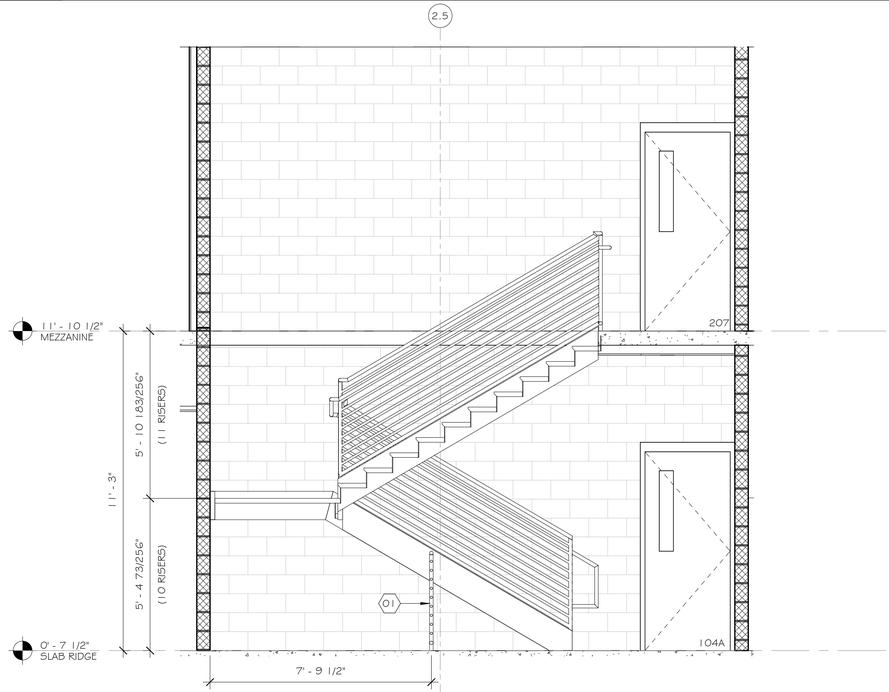
G5	SECTION DETAIL - STAIR 2
3/8" = 1'-0"	RE: A5 / A301



A1	ENLARGED STAIR PLAN - FIRST FLOOR
3/8" = 1'-0"	RE: A1 / A102



A5	ENLARGED STAIR PLAN - STAIR 2
3/8" = 1'-0"	RE: A1 / A102



A8	SECTION DETAIL - STAIR 1
3/8" = 1'-0"	RE: A1 / A301

REFERENCE NOTES

01 42" HIGH SURFACE MOUNTED GUARD RAIL BARRIER UNDER STAIR

02 CONCRETE LANDING TO HAVE SEALED FINISH

03 STEEL FRAMING; RE: 13 34 19

GENERAL NOTES

1. FINISHED FLOOR ELEVATION 0' - 0" ON ELEVATIONS AND SECTIONS EQUALS ELEVATION OF 4.50' ON SITE DRAWINGS AND FOUNDATION GRADING PLAN.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
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C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

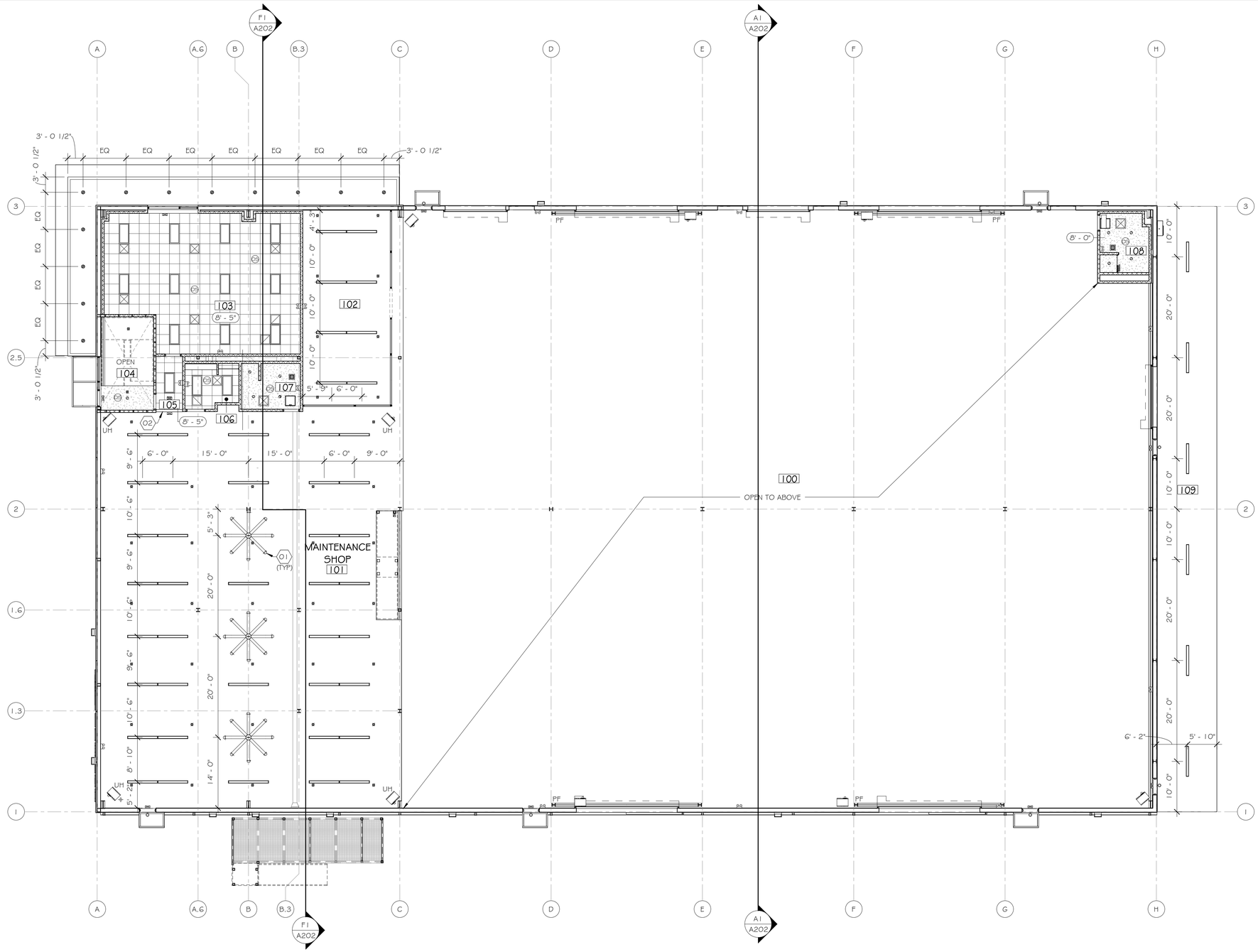
ENLARGED STAIR PLANS

MICHAEL B. WILSON NO. 29973 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM

A301



NORTH

0 2' 4' 8' 16'

SCALE: 3/32" = 1' - 0"

REFERENCE NOTES

01 12'-0" LOW SPEED, HIGH VOLUME INDUSTRIAL FAN WITH LIGHT KIT

02 PAINTED GYPSUM FURR-DOWN OVER 3 5/8" METAL STUD. BOTTOM OF FURR-DOWN TO BE 7' - 2" A.F.F.

LEGEND

- CMU WALL
- STUD WALL
- 1 HR RATED FIRE BARRIER
- 2' X 2' ACOUSTICAL CEILING TILE & GRID
- GYPSUM BOARD CEILING
- 2' X 4' LIGHT FIXTURE; RE: ELECTRICAL
- LINEAR PENDANT LIGHT FIXTURE; RE: ELECTRICAL
- WW — WALL WASH LIGHT FIXTURE; RE: ELECTRICAL
- 6" RECESSED CAN LIGHT; RE: ELECTRICAL
- 8" RECESSED CAN LIGHT; RE: ELECTRICAL
- PENDANT LIGHT FIXTURE; RE: ELECTRICAL
- EXIT SIGN; RE: ELECTRICAL
- EMERGENCY LIGHT; RE: ELECTRICAL
- SPRINKLER HEAD; RE: MECHANICAL
- WALL MOUNTED EXTERIOR EMERGENCY LIGHT; RE: ELECTRICAL
- SUPPLY AIR DIFFUSER; RE: MECHANICAL
- RETURN AIR GRILLE; RE: MECHANICAL
- EXHAUST FAN; RE: MECHANICAL
- HIGH BAY LED LIGHT FIXTURE; RE: MECHANICAL
- CEILING ACCESS HATCH
- PF — PEMB PORTAL FRAME
- UH — UNIT HEATER; RE MECHANICAL

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
F	ISSUED FOR BID	09/25/25
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D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

REFLECTED CEILING PLAN - FIRST FLOOR

MICHAEL B. WILSON NO. 29... STATE OF LOUISIANA REGISTERED ARCHITECT

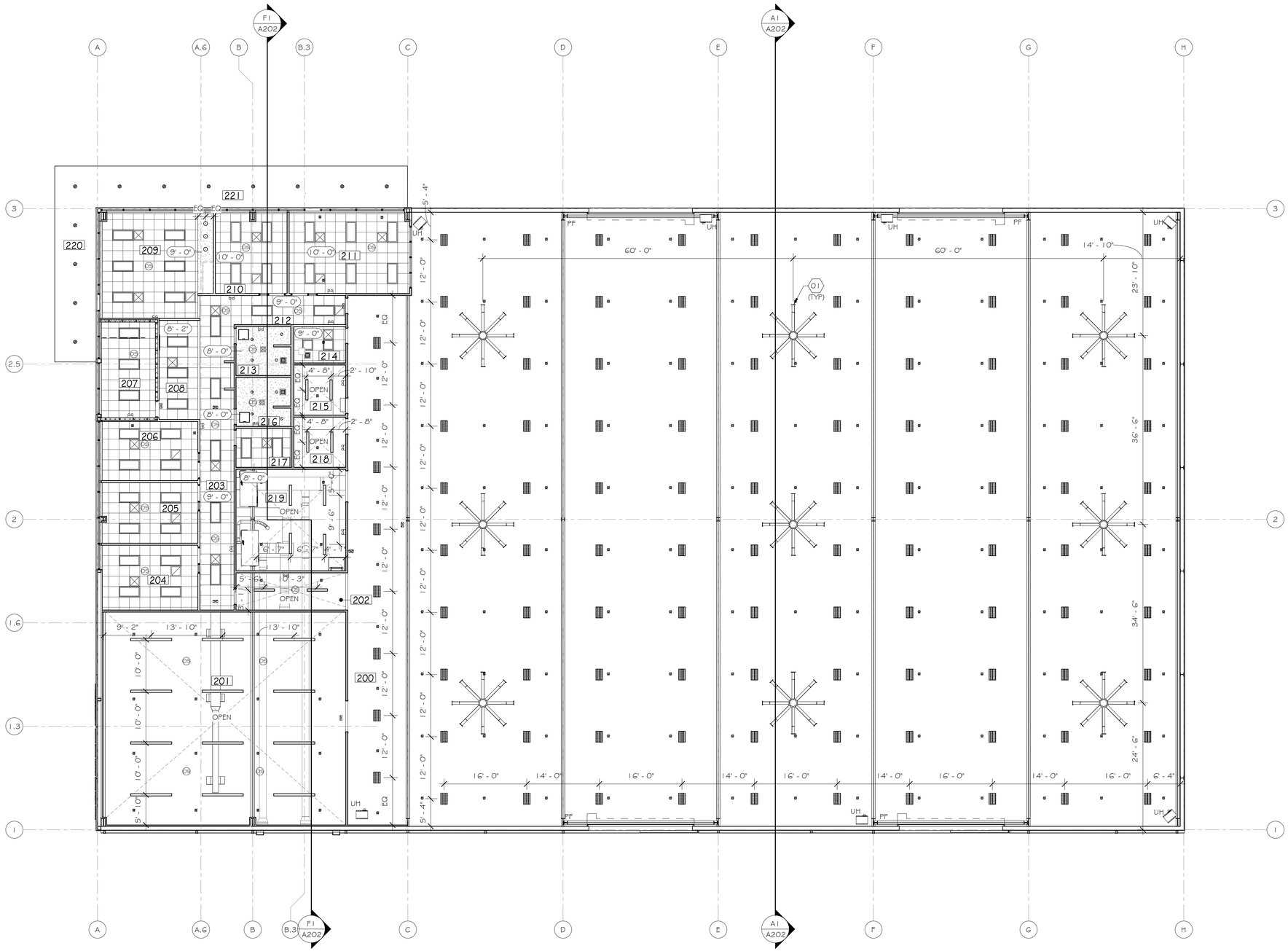
STATE PROJ. #	
SITE ID#	PROJECT NO. 2020-23
STATE ID#	FILE NAME LHMC1
PM/PIC EO/MW	DRAWN BY PD/NM
DATE 09/25/2025	

A400

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

A1 REFLECTED CEILING PLAN - FIRST FLOOR

3/32" = 1'-0" RE: A1 / A200



REFERENCE NOTES

01 12'-0" LOW SPEED, HIGH VOLUME INDUSTRIAL FAN

GENERAL NOTES

1. CEILINGS TO BE 10' - 0" AFF, UNO.

LEGEND

- CMU WALL
- STUD WALL
- 1 HR RATED FIRE BARRIER
- 2' X 2' ACOUSTICAL CEILING TILE & GRID
- GYPSUM BOARD CEILING
- 2' X 4' LIGHT FIXTURE; RE: ELECTRICAL
- LINEAR PENDANT LIGHT FIXTURE; RE: ELECTRICAL
- WW — WALL WASH LIGHT FIXTURE; RE: ELECTRICAL
- 6" RECESSED CAN LIGHT; RE: ELECTRICAL
- 8" RECESSED CAN LIGHT; RE: ELECTRICAL
- PENDANT LIGHT FIXTURE; RE: ELECTRICAL
- EXIT SIGN; RE: ELECTRICAL
- EMERGENCY LIGHT; RE: ELECTRICAL
- SPRINKLER HEAD; RE: MECHANICAL
- WALL MOUNTED EXTERIOR EMERGENCY LIGHT; RE: ELECTRICAL
- SUPPLY AIR DIFFUSER; RE: MECHANICAL
- RETURN AIR GRILLE; RE: MECHANICAL
- EXHAUST FAN; RE: MECHANICAL
- HIGH BAY LED LIGHT FIXTURE; RE: MECHANICAL
- CEILING ACCESS HATCH
- PF — PEMB PORTAL FRAME
- UH — UNIT HEATER; RE MECHANICAL

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUED FOR APPROVAL	05/15/25
C	CDS - ISSUED FOR APPROVAL	04/21/22
B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

REFLECTED CEILING PLAN - MEZZANINE

NOTE:
ORIENTATION OF BUILDING PLANS ARE ROTATED 90 DEGREES COUNTERCLOCKWISE FROM THE SITE PLAN TO FIT THE ORIENTATION OF THE SHEET. TRUE NORTH ON THE SITE PLAN IS UP ON THE SHEET WHILE TRUE NORTH ON THE FLOOR PLANS IS LEFT ON THE SHEET.

NORTH

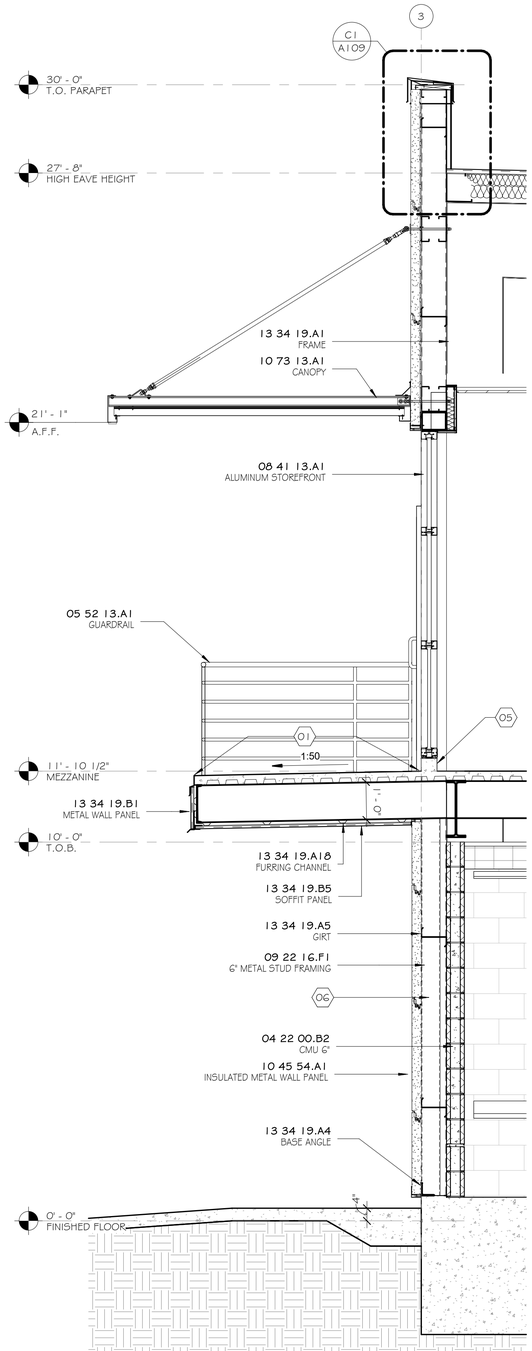
0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

MICHAEL B. WILSON NO. 28917 STATE OF LOUISIANA REGISTERED ARCHITECT

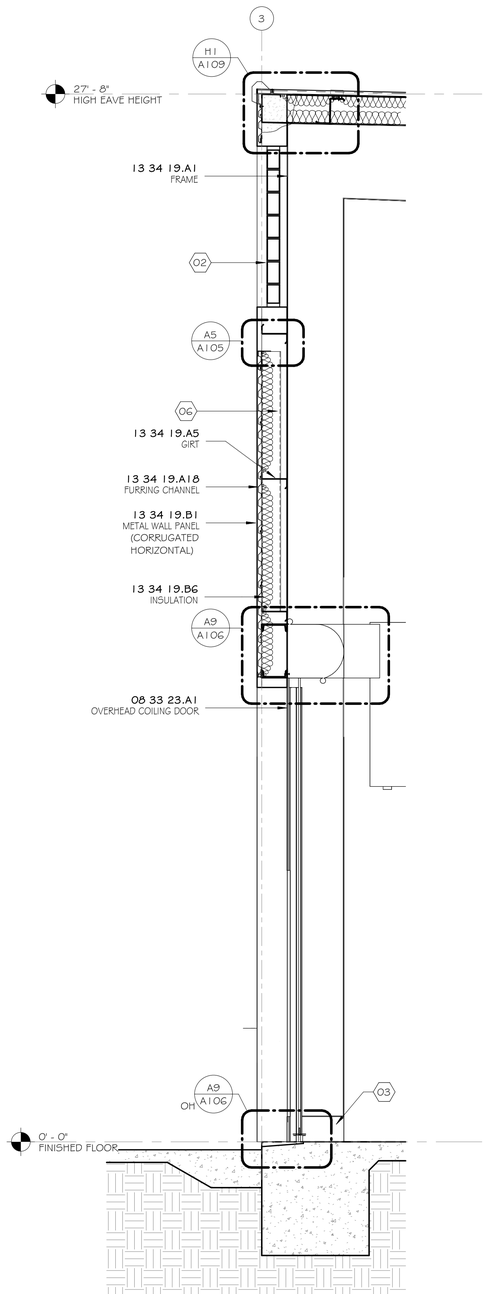
STATE PROJ. #	
SITE ID#	PROJECT NO. 2020-23
STATE ID#	FILE NAME LHMC1
PM/PIC EO/MW	DRAWN BY PD/NM
DATE 09/25/2025	

A401

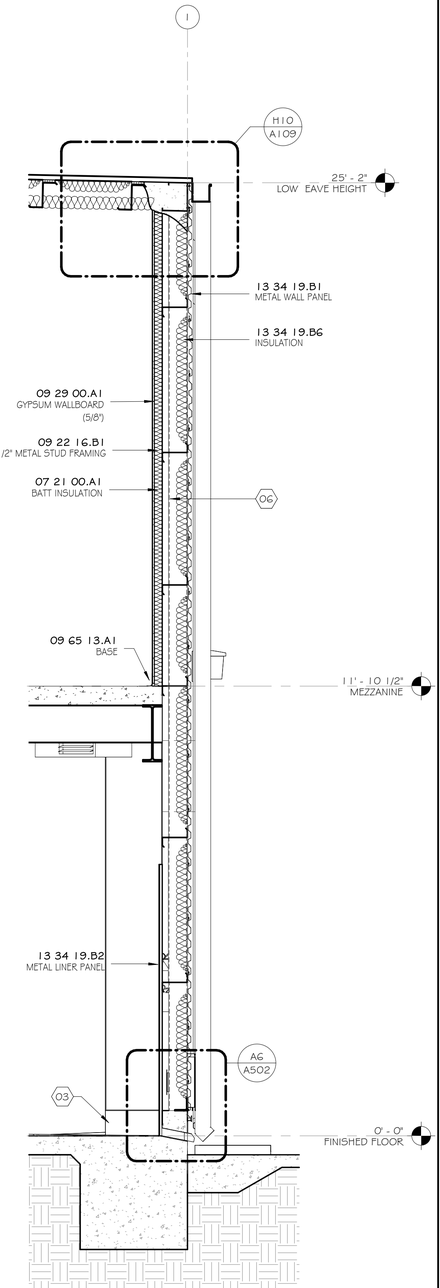
A1	REFLECTED CEILING PLAN - MEZZANINE
3/32" = 1'-0"	RE: A1 / A200



A1	WALL SECTION 1
1/2" = 1'-0"	RE: F1 / A202



A5	WALL SECTION 2
1/2" = 1'-0"	RE: A1 / A202



A9	WALL SECTION 3
1/2" = 1'-0"	RE: A1 / A202

REFERENCE NOTES

01 BALCONY SURFACE TO HAVE NON-SLIP BROOM FINISH; RE: SPEC 03 30 00

02 **TRANSLUCENT WALL PANEL SYSTEM; RE: SPEC 08 45 23.**
BASIS OF DESIGN:
MANUFACTURER: KALWALL
PRODUCT: KALWALL 100MM, 4" THICK PANELS
STRUCTURAL GRID PATTERN: LADDER

03 RIGID METAL FRAME AND COLUMN BASE PLATES TO SIT ON A CONCRETE PEDISTAL 6" ABOVE FINISH FLOOR

04 SUPPORT UNFACED BATT INSULATION WITH WIREMESH FROM PURLIN TO PURLIN

05 5'W X 4'H CONCRETE CURB AT BALCONY WINDOW SILL.

06 6" 18 GAUGE METAL STUDS VERTICALLY SPACED BETWEEN GIRTS 48" O.C. MECHANICALLY FASTENED TO GIRT WITH ANGLE CLIP. FACE OF STUD TO BE FLUSH WITH OUTSIDE FACE OF GIRT. NOTCH STUD AS NEEDED.

GENERAL NOTES

1. BUILDING ENVELOPE INSULATION IS SPECIFIED IN SECTIONS 072100 "THERMAL INSULATION", 072140 "SPRAY FOAMINSULATION", AND 133419 "METAL BUILDING SYSTEMS. PROVIDE TOTAL ASSEMBLY R-VALUES AS FOLLOWS:
   1. EXTERIOR WALL ASSEMBLIES: R-19 MINIMUM.
   2. ROOF ASSEMBLY: R-30 MINIMUM.
2. FINISHED FLOOR ELEVATION 0' - 0" ON ELEVATIONS AND SECTIONS EQUALS ELEVATIONS OF 4.50' ON SITE DRAWINGS AND FOUNDATION GRADING PLAN.

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

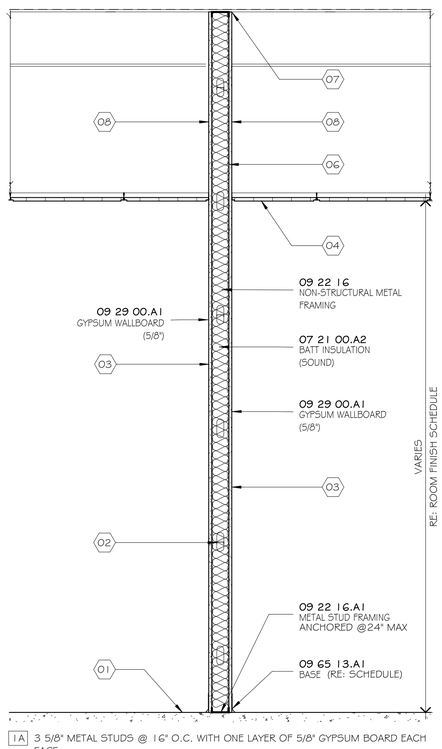
WALL SECTIONS

MICHAEL B. WILSON NO. 28917 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM

A500

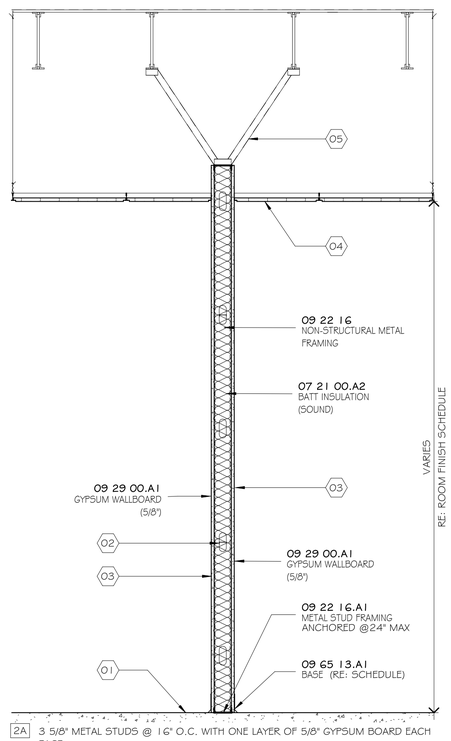


1A 3 5/8" METAL STUDS @ 16" O.C. WITH ONE LAYER OF 5/8" GYPSUM BOARD EACH FACE.

1B 3 5/8" METAL STUDS @ 16" O.C. WITH ONE LAYER OF 5/8" FIRECODE GYPSUM BOARD EACH FACE. 1 HR RATED ASSEMBLY - UL DESIGN NO. U465

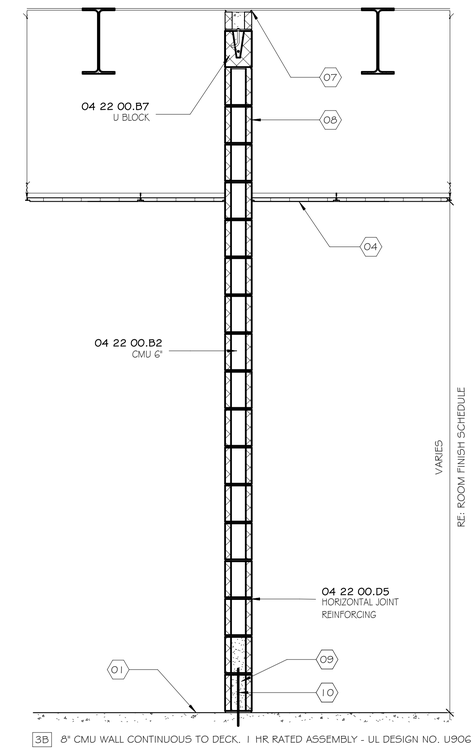
1C 6" METAL STUDS @ 16" O.C. WITH ONE LAYER OF 5/8" GYPSUM BOARD EACH FACE.

A1	WALL TYPE 1
3/4" = 1'-0"	



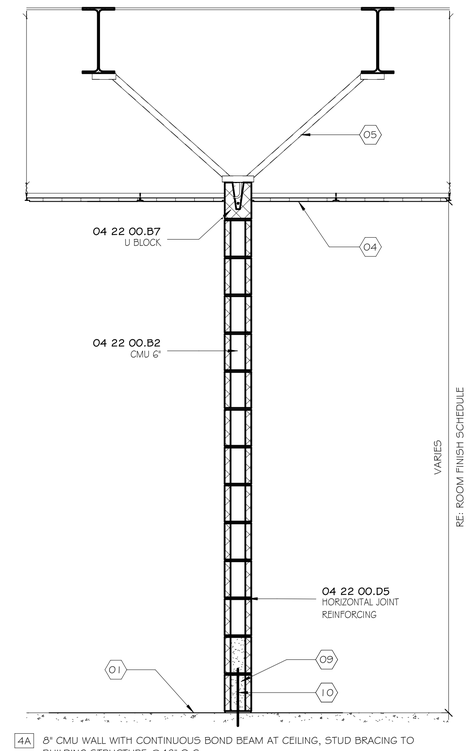
2A 3 5/8" METAL STUDS @ 16" O.C. WITH ONE LAYER OF 5/8" GYPSUM BOARD EACH FACE.

A4	WALL TYPE 2
3/4" = 1'-0"	



3B 8" CMU WALL CONTINUOUS TO DECK. 1 HR RATED ASSEMBLY - UL DESIGN NO. U906

A8	WALL TYPE 3
3/4" = 1'-0"	



4A 8" CMU WALL WITH CONTINUOUS BOND BEAM AT CEILING, STUD BRACING TO BUILDING STRUCTURE @48" O.C.

A11	WALL TYPE 4
3/4" = 1'-0"	

REFERENCE NOTES

01 SCHEDULED FLOOR

02 HORIZONTAL BRIDGING BETWEEN STUDS @ 4' O.C. MAX

03 SCHEDULED FINISH

04 SCHEDULED CEILING

05 STUD BRACING TO BUILDING STRUCTURE @ 48" O.C.

06 EXTEND FRAMING & GYPSUM BOARD TO BOTTOM OF ROOF/FLOOR DECK

07 FIRE CAULK @ RATED WALLS (BOTH SIDES).

08 MARK ALL FIRE-RATED WALLS ABOVE ACCESSIBLE CEILINGS IN RED PAINTED STENCILING AS FOLLOWS:
"FIRE BARRIER - PROTECT ALL OPENINGS."
MARKINGS SHALL BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL.

09 GROUT FILL BOTTOM TWO COURSES

10 (1) #4 12"L VERTICAL REINFORCEMENT 16" O.C. EPOXY 3" INTO SLAB.

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

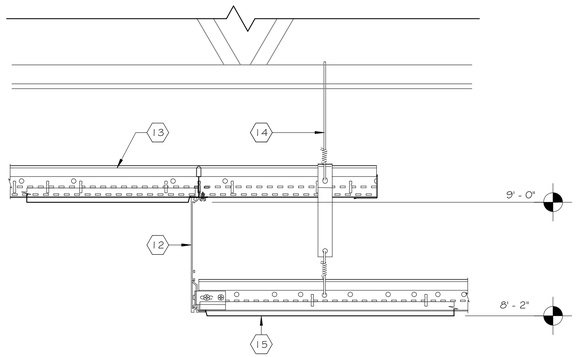
HOUMA, LA

WALL TYPES

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

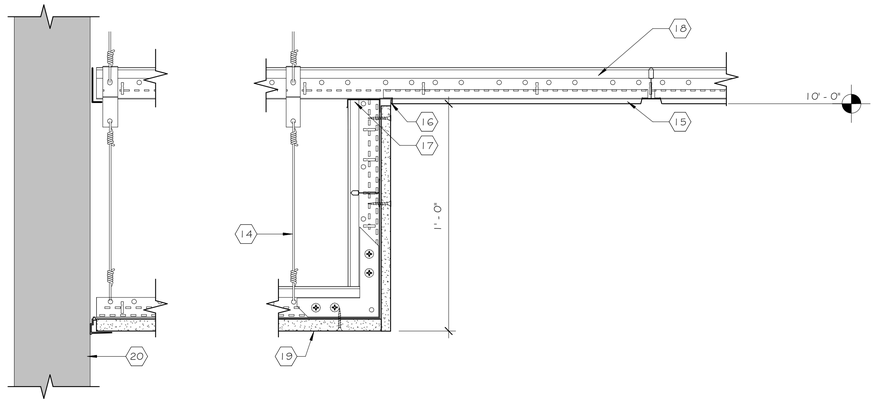
STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/NM
DATE	09/25/2025		

A501



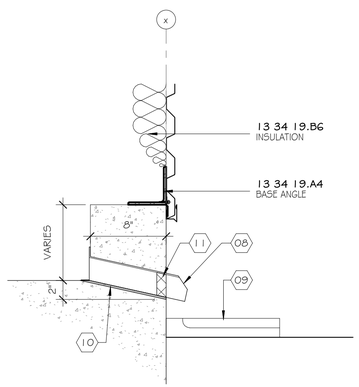
H9 CEILING TRANSITION

3" = 1'-0" RE: H9 / A600



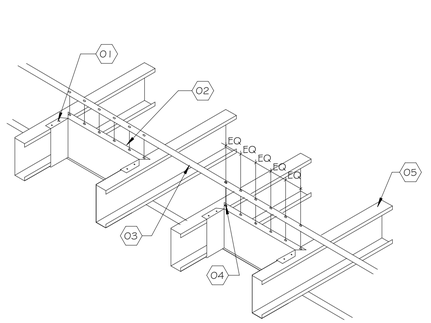
E9 FURR-DOWN DETAIL

3" = 1'-0" RE: H4 / A600



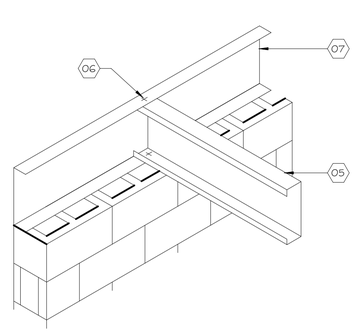
A6 SCUPPER SECTION DETAIL

1 1/2" = 1'-0" RE: A9 / A500



A9 METAL JOIST BRIDGING DETAIL

3/4" = 1'-0"



A12 METAL JOIST BEARING DETAIL

3/4" = 1'-0"

REFERENCE NOTES

01 SCREW ATTACH BOTH PARTS OF CUT FLANGE TO STUD ON EACH SIDE WITH (2) #10-16 SCREW

02 MIN. 18 GA. RUNNER TRACK SOLID BLOCKING @ 8'-0" O.C. MAX. MAKE RUNNER TRACK 8" LONGER THAN STUD INSIDE SPACING. CLIP FLANGES OF TRACK 4" FROM EACH END. BEND TRACK AT CLIPPED FLANGES

03 2" X 20 GA. STRAPPING, SCREW ATTACH TO EVERY STUD FLANGE, BOTH SIDES W/ (1) #10-16 SCREW. (STRAPPING TO START & END ON SOLID BLOCKING, STRAP SHOWN PULLED AWAY FOR CLARITY)

04 AT BLOCKING OR SPLICE USE (6) #10-16 SCREW ON EACH SIDE OF BLOCKING

05 6" 18 GUAGE METAL JOIST @ 16" O.C.

06 ATTACH TOP AND BOTTOM FLANGES OF RUNNER TRACK TO FLANGES OF JOIST WITH (1) #10-16 SCREW

07 CLOSURE TRACK

08 3" X 12" ALUMINUM SCUPPER

09 NEW CONCRETE SPLASH BLOCK

10 CONCRETE TO SLOPE DOWN AND OUT TOWARD THE EXTERIOR

11 INSECT SCREEN

12 **METAL PERIMETER TRIM**
MANUFACTURER: ARMSTRONG CEILINGS
PRODUCT: AXIOM CLASSIC, STRAIGHT PERIMETER TRIM
MODEL: 6" STRAIT
COLOR: SILVER SATIN (SA)

13 EXPOSED TEE GRID SYSTEM

14 12 GA. HANGER WIRE

15 ACOUSTICAL CEILING PANEL

16 EDGE BEAD

17 CHANNEL MOLDING

18 EXPOSED TEE GRID SYSTEM

19 GYPSUM BOARD

20 FINISHED WALL

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

SECTION DETAILS

MICHAEL B. WILSON NO. 28927 STATE OF LOUISIANA REGISTERED ARCHITECT

DATE 09/25/2025

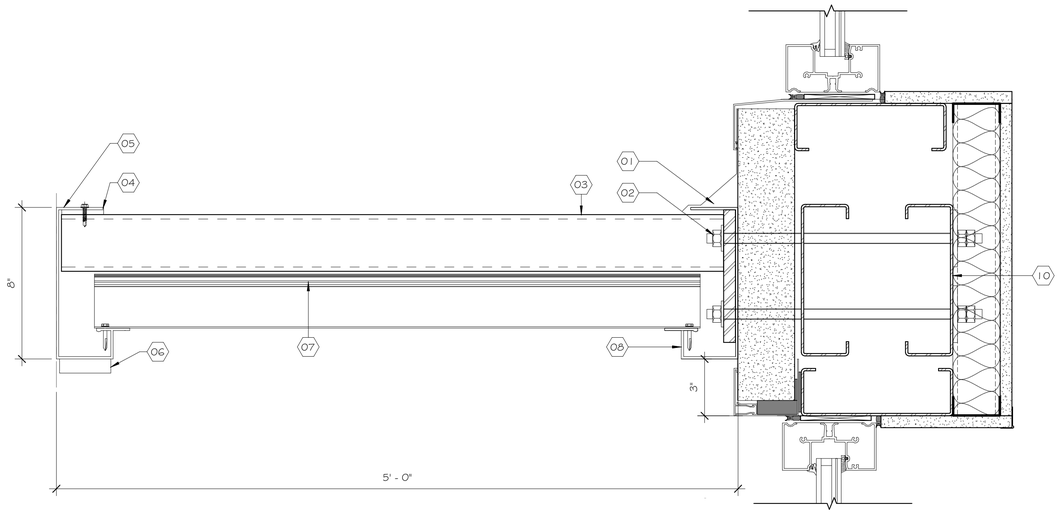
STATE PROJ. #

SITE ID# PROJECT NO. 2020-23

STATE ID# FILE NAME LHMC1

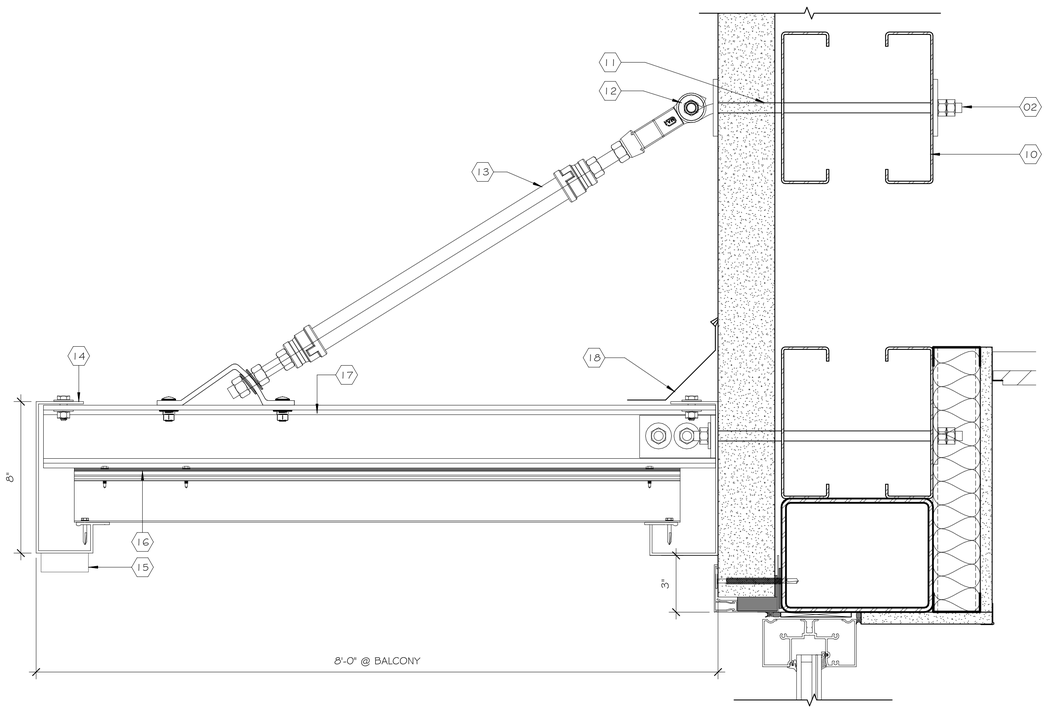
PM/PIC EO/MW DRAWN BY PD/CB

A502



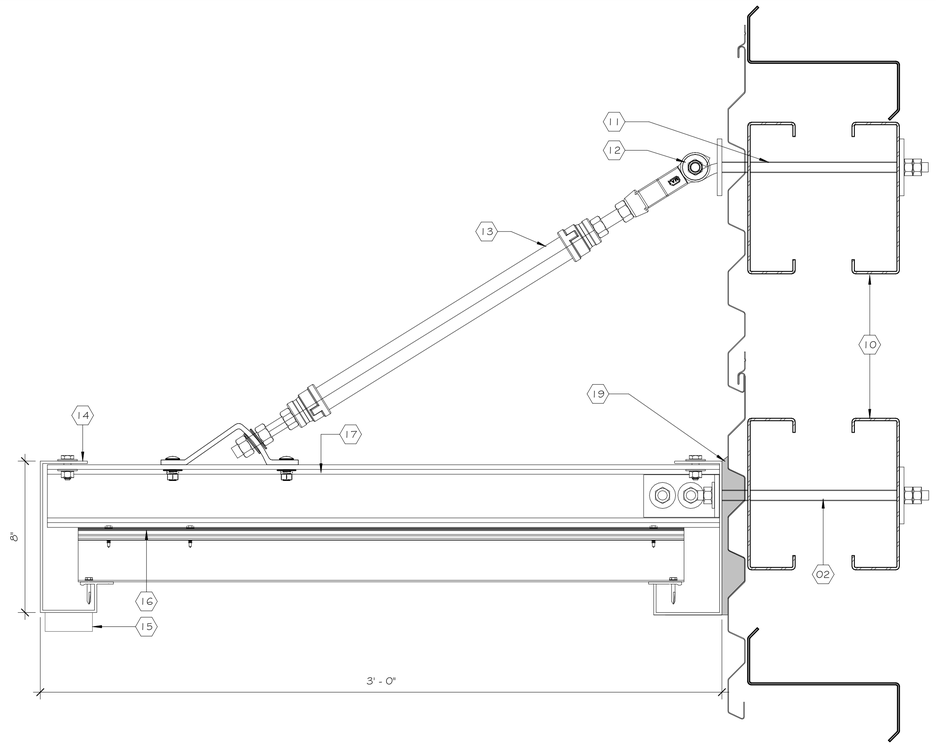
G1 | CANTILEVER CANOPY DETAIL

3" = 1'-0" | RE: A1 / A107



A1 | HANGER ROD CANOPY @ BALCONY DETAIL

3" = 1'-0" | RE: A1 / A107



A8 | HANGER ROD CANOPY @ HORIZONTAL PANEL

3" = 1'-0"

REFERENCE NOTES

01 FLASHING BY CANOPY MFG
02 CARRIAGE BOLT ASSEMBLY
03 TS3X3X1/4" STEEL HANGER TUBE WELDED TO PL8"X7"X.5", HANGER TUBES TO BE 6' O.C. MAX
04 2"X3"X.25" SPACER
05 24 GA., 12"X4" GUTTER FASCIA
06 SCUPPER (SIDE DISCHARGED)
07 24 GA., FLAT SOFFIT DECKING
08 ALUMINUM CONTINUOUS REAR GUTTER (CLOSED AT ENDS)
09 SEALANT @ TRIM
10 PEMB TO PROVIDE STEEL SUPPORT. COORDINATE WITH MANUFACTURE
11 THRU EYEBOLT & BACKING PLATE
12 THRU BOLT W/ WASHERS & NUT
13 HANGER PIPE
14 24 GA., 8"X4" GUTTER FASCIA
15 ALUMINUM CONTINUOUS REAR GUTTER (CLOSED AT ENDS)
16 24 GA., FLAT SOFFIT DECKING
17 EXTRUDED ALUM. SUPPORT I-BEAM
18 FLASHING BY CANOPY MFG
19 CONTINUOUS NEOPRENE CLOSURE AND SEALANT

GFP ARCHITECTURE INTERIOR DESIGN

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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

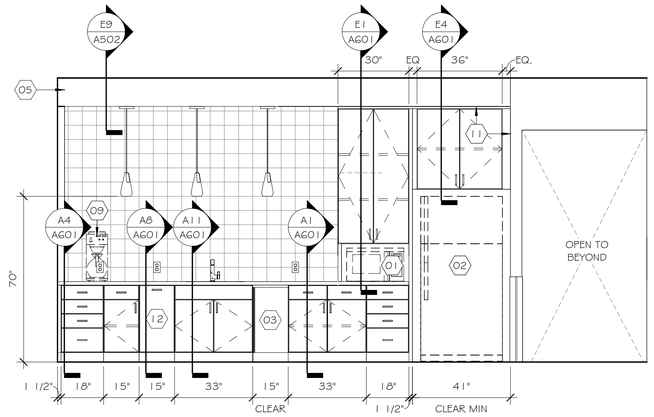
CANOPY DETAILS

MICHAEL B. WILSON NO. 28977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

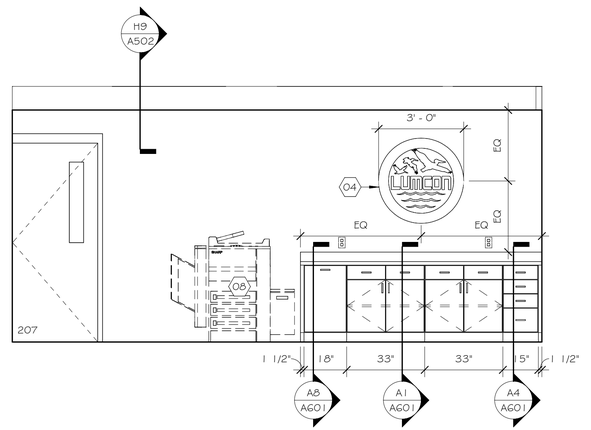
DATE 09/25/2025

A503



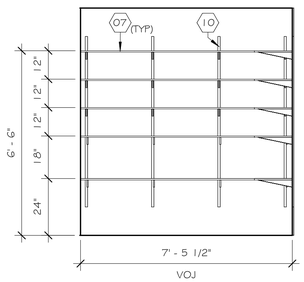
H4 BREAKROOM 209 - SOUTH

3/8" = 1'-0" RE: A1 / A103



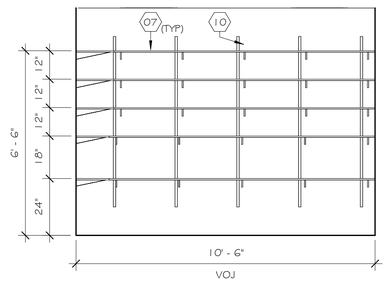
H9 COPY / PRINT 208 - NORTH

3/8" = 1'-0" RE: G10 / A110



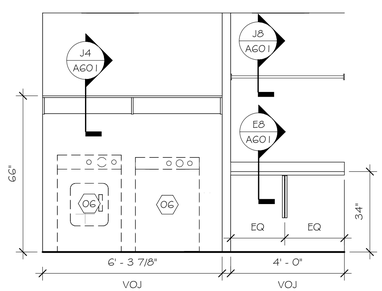
D9 OFFICE STORAGE 217 - SOUTH

3/8" = 1'-0" RE: G10 / A300



D12 OFFICE STORAGE 217 - WEST

3/8" = 1'-0"



A12 LAUNDRY 107- NORTH

3/8" = 1'-0" RE: C10 / A300

REFERENCE NOTES

01 MICROWAVE, BY OWNER

02 REFRIGERATOR, BY OWNER

03 ICE MACHINE, BY OWNER

04 **CUSTOM DIMENSIONAL SIGNAGE**
PRODUCT: ASI LPP SERIES LASER CUT ACRYLIC GRAPHICS ON A LASER CUT ACRYLIC BACKER
FACE PANEL:
¼" THICK LOGO, ARCHITECT TO SELECT FROM FULL RANGE OF FINISHES. LOGO TAPE MOUNT TO BACK PANEL.
BACK PANEL:
3/8" THICK ACRYLIC, MOUNTED W/ (4) 1" DIAM. ALUMINUM PUCKS AND ½" DEEP SPACERS
NOTE: MANUFACTURER TO CREATE VECTOR FILE PER OWNERS CORPORATE STANDARDS. CONTRACTOR TO COORDINATE DESIGN WITH ARCHITECT

05 GYPSUM BOARD FURR-DOWN

06 WASHER AND DRYER, BY OWNER

07 SHELVES TO BE PL-1; RE: G9/A002 & SPEC 06 41 16

08 EQUIPMENT, BY OWNER

09 COFFEE MAKER, BY OWNER

10 **HEAVY DUTY ADJUSTABLE WALL MOUNT SHELVING**
MANUFACTURER: KNAPE & VOGT
PRODUCT: 85/185 BRACKET SERIES
COLOR: WHITE
NOTE: WALL MOUNT BRACKETS TO BE MOUNTED 32" O.C. MAX. WALL MOUNT BRACKETS TO BE FASTENDED TO METAL WALL STUDS. CONTRACTOR TO PROVIDE 30% ADDITIONAL BRACKETS IF ADDITIONAL SUPPORT IS NEEDED.

11 PAINT UNDERSIDE OF GYPSUM BOARD FURR-DOWN AND ADJACENT WALL PT-2

12 PULL OUT TRASH

GENERAL NOTES

1. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.

LEGEND

DUPLEX OUTLET; RE: ELECTRICAL

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
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NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD

LUMCON HOUMA MARINE CAMPUS PHASE 2

HOUMA, LA

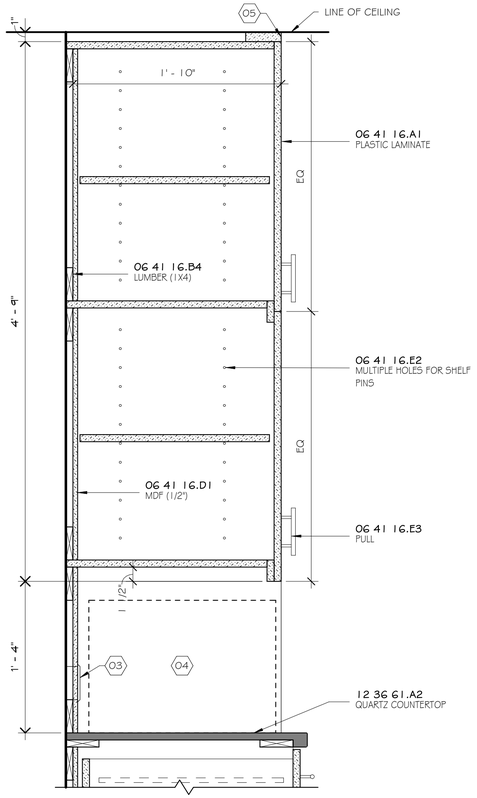
INTERIOR ELEVATIONS

MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

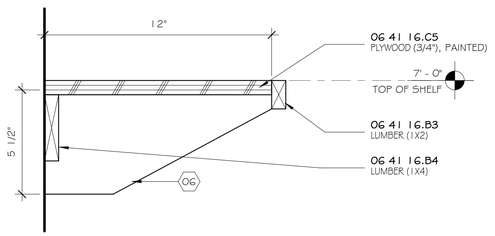
DATE 09/25/2025

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB

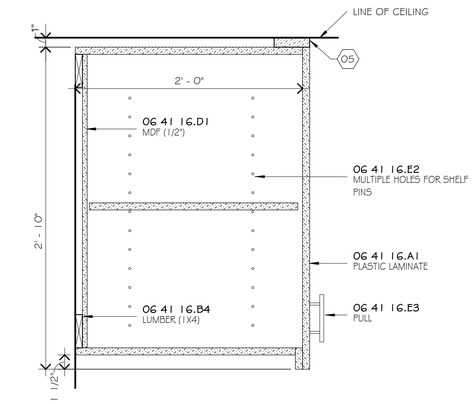
A600



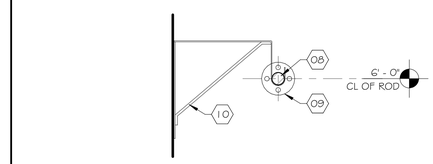
E1	SECTION AT MICROWAVE CABINET
1 1/2" = 1'-0"	RE: H4 / A600



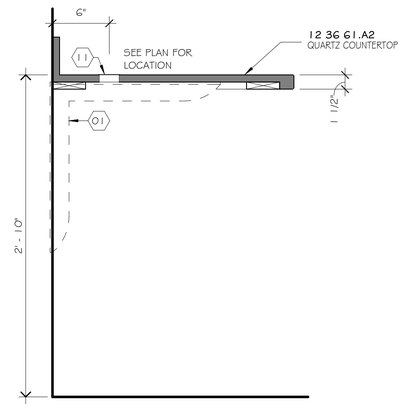
J4	SECTION AT JANITOR SHELF
3" = 1'-0"	RE: A12 / A600



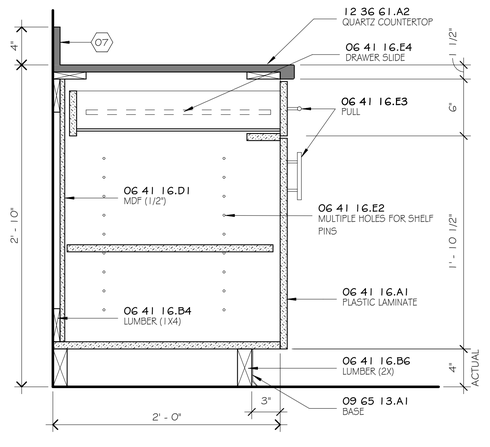
E4	SECTION AT SMALL UPPER CABINET
1 1/2" = 1'-0"	RE: H4 / A600



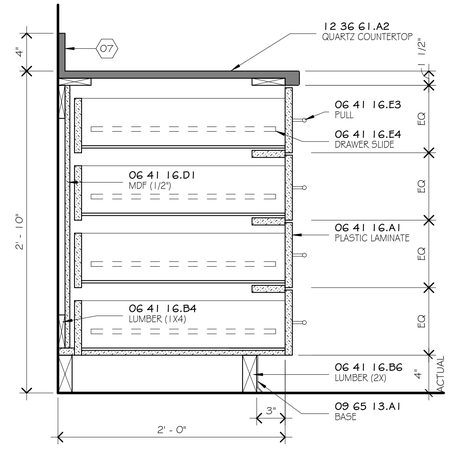
J8	SECTION AT COAT ROD
1 1/2" = 1'-0"	RE: A12 / A600



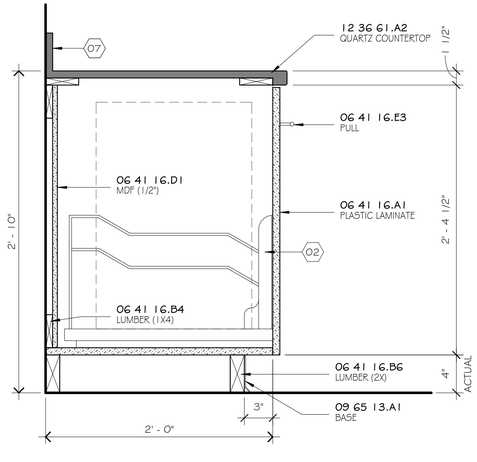
E8	COUNTER WITH WALL BRACKET
1 1/2" = 1'-0"	RE: A12 / A600



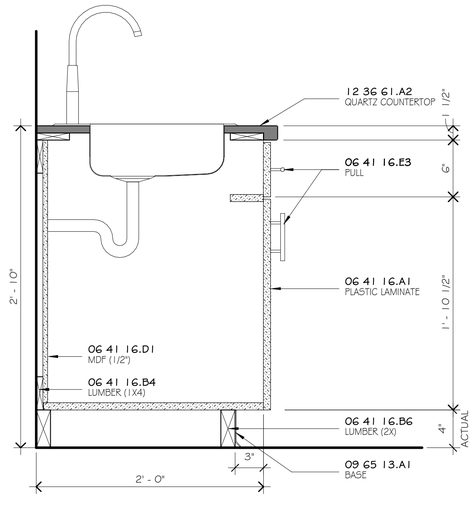
A1	SECTION AT BASE CABINET & DRAWER
1 1/2" = 1'-0"	RE: H4 / A600



A4	SECTION AT 4 DRAWER CABINET
1 1/2" = 1'-0"	RE: H4 / A600



A8	TRASH RECEPTACLE
1 1/2" = 1'-0"	RE: H4 / A600



A11	SECTION AT SINK CABINET
1 1/2" = 1'-0"	RE: H4 / A600

REFERENCE NOTES

01 **COUNTER SUPPORT BRACKET**
MANUFACTURER: RAKKS
MODEL: EH-1818
STYLE: RADIUS END,
FINISH: TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE

02 **DOUBLE 35 QT. PULL-OUT WASTE CONTAINER WITH SOFT CLOSE SLIDES**
MANUFACTURER: REV-A-SHELF
PRODUCT: 53WC-1855CDM-217
SIZE: 19" H X 14 1/8" W x 22 1/4" D
FINISH: SILVER METALLIC

03 DUPLEX OUTLET; RE: A600 & ELECTRICAL

04 MICROWAVE, BY OWNER

05 MILLWORK SCRIBE FLUSH WITH DOOR

06 PROVIDE PAINTED PLYWOOD SUPPORTS AT 4' - 0" O.C. MAX

07 4" QUARTZ BACKSPLASH TO MATCH COUNTERTOP MATERIAL AT GYPSUM WALL LOCATIONS ONLY. 4" BACKSPLASH TO BE EXCLUDED FROM WALLS WITH WALL TILE.

08 **HANGING ROD,** CUT TO SIZE IN FIELD.
MANUFACTURER: RICHELIEU
PRODUCT #: 12156081174
FINISH: MATTE CHROME, 14 GA.
SIZE: 1 5/16" DIA. X 8'-0" L

09 **CLOSET ROD SUPPORT,** AT BOTH ENDS OF ROD CONNECTION TO WALL
MANUFACTURER: RICHELIEU
PRODUCT #: 22156121174
FINISH: MATTE CHROME
SIZE: 1 5/16"

10 **ROUND ROD AND SHELF BRACKET,** CENTERED ON ROD
MANUFACTURER: RICHELIEU
PRODUCT #: 3221560174
FINISH: MATTE CHROME
SIZE: 12 3/8"D X 10 7/8"H WITH 1 5/16" ROD HOLE

11 2" STAINLESS STEEL METAL GROMMET

GENERAL NOTES

1. ALL EXPOSED MILLWORK SURFACES & BACK SIDES OF DOORS & DRAWER FRONTS TO BE PLASTIC LAMINATE U.N.O.
2. ALL INSIDE MILLWORK SURFACES TO BE MELAMINE.
3. ALL MILLWORK TO BE 3/4" MDF U.N.O.
4. ALL ITEMS/PRODUCTS SPECIFICED ON DRAWINGS ARE CONSIDERED THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR ALTERNATE MANUFACTURES.

GFP ARCHITECTURE INTERIOR DESIGN

NO.	REVISION / DESCRIPTION	DATE
4		
3	ISSUED FOR BID	09/25/25
2	CDS-ISSUED FOR APPROVAL	05/15/25
1	CDS - ISSUED FOR APPROVAL	04/21/22

CRUMP WILSON ARCHITECTS
9311 Bluebonnet Blvd. Suite B
Baton Rouge, Louisiana 70810

NEW OFFICE/WAREHOUSE BUILDING AND BULKHEAD
LUMCON HOUMA MARINE CAMPUS PHASE 2
HOUMA, LA

MILLWORK DETAILS

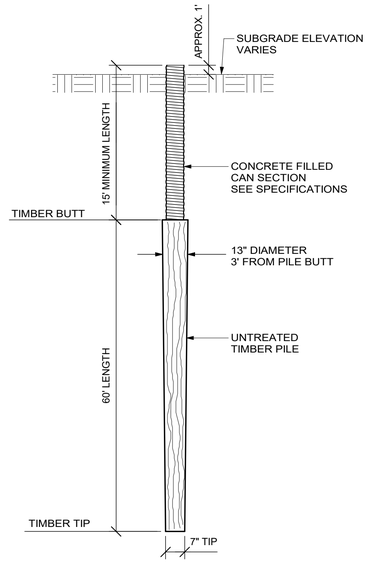
MICHAEL B. WILSON NO. 29977 STATE OF LOUISIANA REGISTERED ARCHITECT

STATE PROJ. #			
SITE ID#		PROJECT NO.	2020-23
STATE ID#		FILE NAME	LHMC1
PM/PIC	EO/MW	DRAWN BY	PD/CB
DATE	09/25/2025		

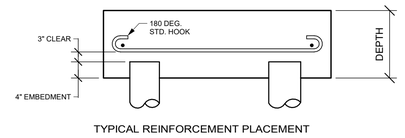
A601

GENERAL NOTES:

1. Verify all slab edge and brick ledge dimensions and locations with the architectural Drawings.
2. Depressions, slopes and penetrations shown on the structural Drawings may not be all inclusive and the indicated location may vary depending on final equipment and finishes. Coordinate and verify all depressions, slopes and penetrations with architectural and mechanical requirements and final selected equipment.
3. Any conduits & pipes which are embedded in slabs shall be less than 1 inch outside diameter, shall not cross within the slab thickness and shall have at least 1 inch clear cover to slab surfaces and reinforcing bars. Conduits and pipe which do not meet this criteria shall not be embedded in slab.
4. Lap splice all continuous concrete reinforcing bars 40 diameters unless noted otherwise.
5. All reinforcing bar hooks are to be 90° standard hooks unless noted otherwise.
6. Provide corner reinforcing bars at all corners and intersections of grade beams to match horizontal reinforcement. Extend corner bars 40 diameters from corner in each direction.
7. If reinforcing bars must be cut at openings or penetrations, one splice bar of same size shall be added for each cut bar, and shall lap the cut bar 40 diameters at each end.
8. All elevations shown on foundation drawings are reference elevations based on a Finished Floor reference elevation of 0'-0". See Architectural and Civil drawings for actual Finished Floor elevation.

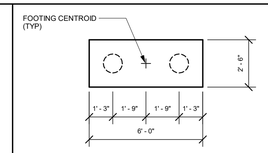
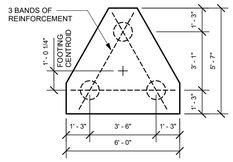
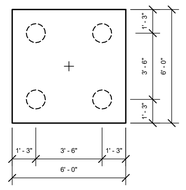
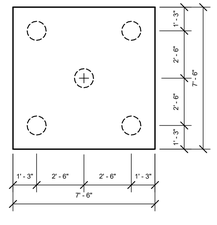
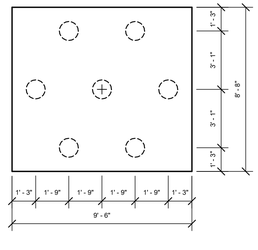


TYPICAL COMPOSITE PILE
NOT TO SCALE



TYPICAL REINFORCEMENT PLACEMENT

FOOTING SCHEDULE

MK	NO. OF PILES	FOOTING	DEPTH	REINFORCING LONG WAY / SHORT WAY	
2P	2		2' - 0"	6- #5 LONG WAY	10- #5 SHORT WAY
3P	3		2' - 0"	3 BANDS OF 5- #5	
4P	4		2' - 6"	7- #7 EACH WAY	
5P	5		2' - 6"	9- #7 EACH WAY	
7P	7		2' - 9"	11- #7 LONG WAY	12- #7 SHORT WAY

PRIMARY STRUCTURAL FRAMING DESIGN INFORMATION	
BUILDING CODE:	INTERNATIONAL BUILDING CODE 2021
FLOOR LIVE LOADS:	
FIRST FLOOR:	275 PSF
MEZZANINE:	
RECORDS ROOM 201	150 PSF
OTHER AREAS	100 PSF
ROOF LIVE LOAD:	20 PSF
WIND DESIGN PER ASCE 7-16:	
BASIC WIND VELOCITY:	
Vult:	155 MPH
Vasd:	120 MPH
RISK CATEGORY:	II
EXPOSURE CATEGORY:	C
ENCLOSURE CLASSIFICATION:	ENCLOSED

	COMPONENTS & CLADDING DESIGN PRESSURES (BASED ON Vult = 155 mph)			
	ZONE	EFFECTIVE WIND AREA (SQ. FT.)	POSITIVE PRESSURE (PSF)	NEGATIVE PRESSURE (PSF)
ROOF ZONES	1'	10	24	-53
	1'	20	22	-53
	1'	50	20	-53
	1'	100	19	-53
	1	10	24	-93
	1	20	22	-87
	1	50	20	-79
	1	100	19	-73
	2	10	24	-122
	2	20	22	-115
	2	50	20	-104
	2	100	19	-96
	3	10	24	-167
	3	20	22	-151
	3	50	20	-130
	3	100	19	-115
WALL ZONES	4	10	53	-58
	4	20	51	-55
	4	50	48	-52
	4	100	46	-50
	4	500	40	-45
	5	10	53	-71
	5	20	51	-66
	5	50	48	-60
	5	100	46	-55
	5	500	40	-45

ZONE 1': ROOF FIELD
ZONE 1: WITHIN 30 FEET OF ANY ROOF EDGE
ZONE 2: WITHIN 15 FEET OF ANY ROOF EDGE
ZONE 3: WITHIN 15 FEET OF ANY ROOF CORNER
ZONE 4: WALL FIELD
ZONE 5: WITHIN 12 FEET OF ANY WALL CORNER

BADEAUX ENGINEERS
INCORPORATED
CONSULTING STRUCTURAL AND CIVIL ENGINEERS
115 EAST SIXTH ST. 70301
POST OFFICE BOX 1056 70302
985-447-2317 THIBODAUX LA.

No.	Revision/Description	Date
E.	CDs - ISSUED FOR BID	09/25/25
D.	CDs - ISSUED FOR APPROVAL	05/15/25
C.	CDs - ISSUED FOR APPROVAL	04/21/22
B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

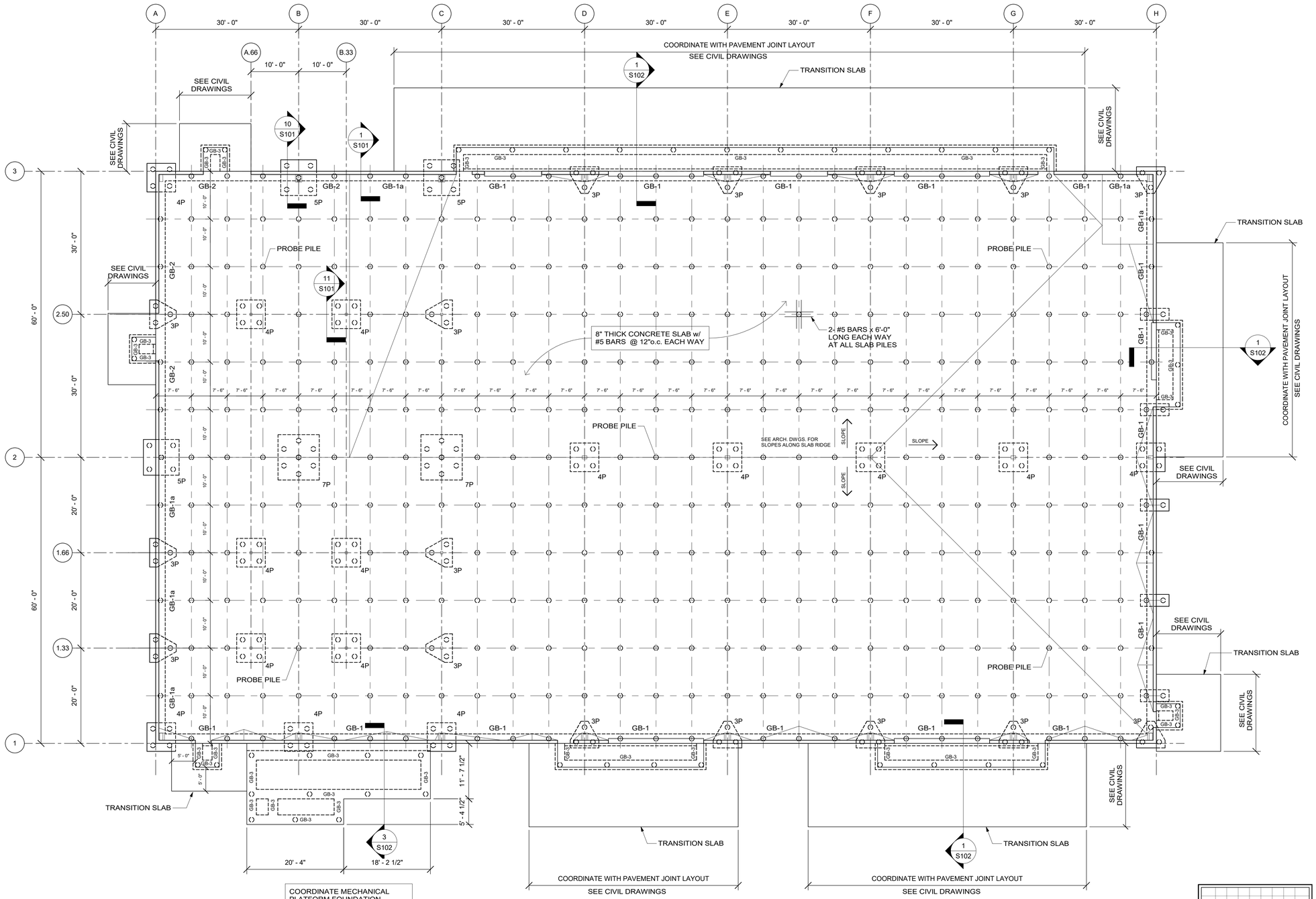
Drawing: GENERAL NOTES

Seal: STATE OF LOUISIANA — MICHAEL H. BADEAUX — REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

Date: 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
State ID # XXXXX | File Name 3489
PM/PIC MHB | Drawn By MHB

S000



AT MEZZANINE LEVEL, PROVIDE 4" THICK CONCRETE SLAB ON 9/16" DEEP, 26 GAUGE STEEL FORM DECK w/ 4x4-W2.9xW2.9 WELDED WIRE REINFORCEMENT

COORDINATE MECHANICAL PLATFORM FOUNDATION DIMENSIONS WITH PLATFORM FRAMING

1 FOUNDATION PLAN

3/32" = 1'-0"

SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPES AND ELEVATIONS

SUBMIT FINAL BUILDING REACTIONS TO ARCHITECT PRIOR TO BEGINNING FOUNDATION CONSTRUCTION. FOUNDATION MODIFICATIONS MAY BE REQUIRED DUE TO FINAL BUILDING REACTIONS.

No.	Revision/Description	Date
E.	CDs - ISSUED FOR BID	09/25/25
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CRUMP WILSON ARCHITECTS

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CONSULTING STRUCTURAL AND CIVIL ENGINEERS
115 EAST SIXTH ST. 70301
POST OFFICE BOX 1056 70302
985-447-2317 THIBODAUX LA.

Project LUMCON HOUMA MARINE CAMPUS PHASE II

OFFICE / WAREHOUSE BUILDING & BULKHEAD

HOUMA, LA

Drawing

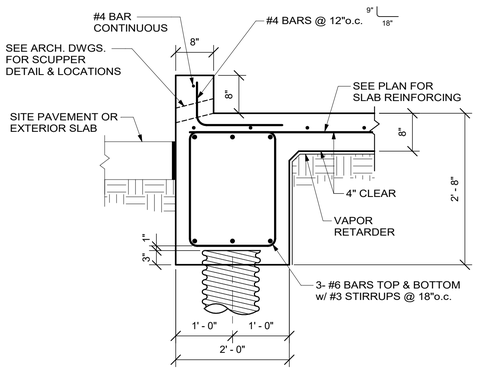
FOUNDATION PLAN

Seal

STATE OF LOUISIANA
MICHAEL H. BADEAUX
REG. NO. 25670
REGISTERED PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING
9/16/25

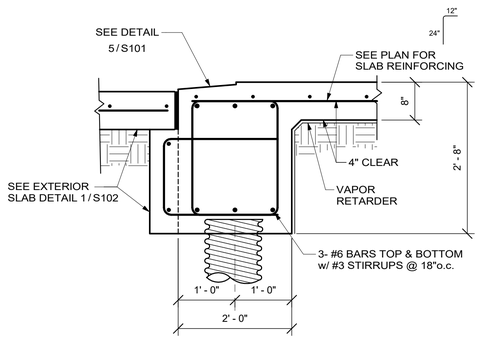
State Proj. #	19-674-19-01, F.19002314
Site ID #	3-55-003
Project No.	2020-23
State ID #	XXXXX
File Name	3469
PM/PIC	MHB
Drawn By	MHB
Date	09/25/25

S100



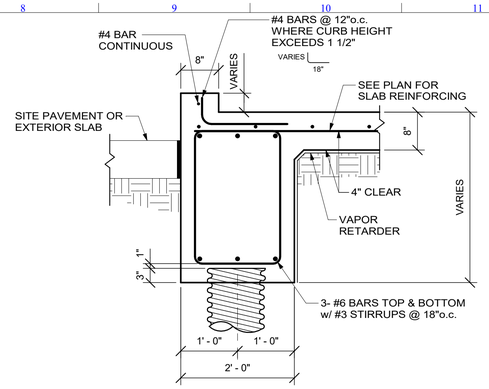
1 GRADE BEAM GB-1

3/4" = 1'-0"



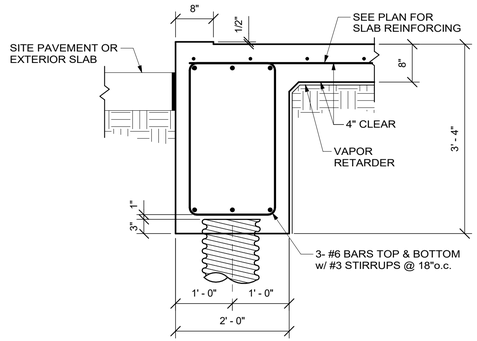
2 GB-1 AT OVERHEAD DOOR

3/4" = 1'-0"



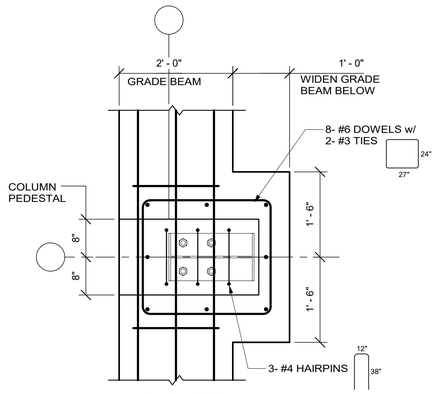
3 GRADE BEAM GB-1a

3/4" = 1'-0"



4 GRADE BEAM GB-2

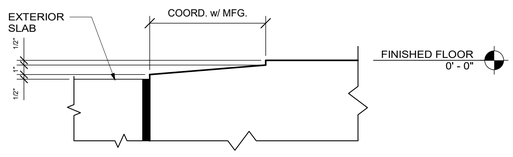
3/4" = 1'-0"

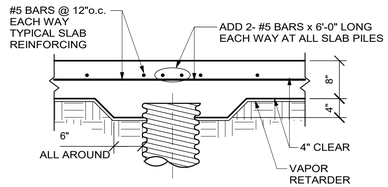


PLAN VIEW

5 SILL AT OVERHEAD DOOR

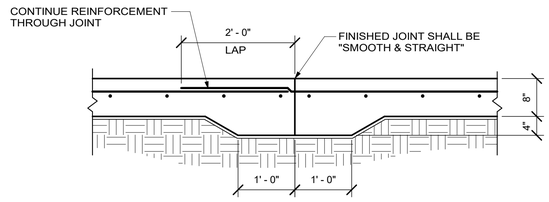
1 1/2" = 1'-0"





6 TYPICAL SLAB PILE

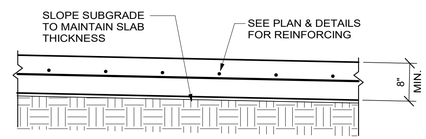
3/4" = 1'-0"



7 SLAB CONSTRUCTION JOINT

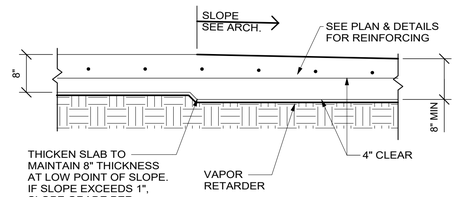
3/4" = 1'-0"

CONTRACTOR'S OPTION
VERIFY LOCATIONS w/ ARCHITECT



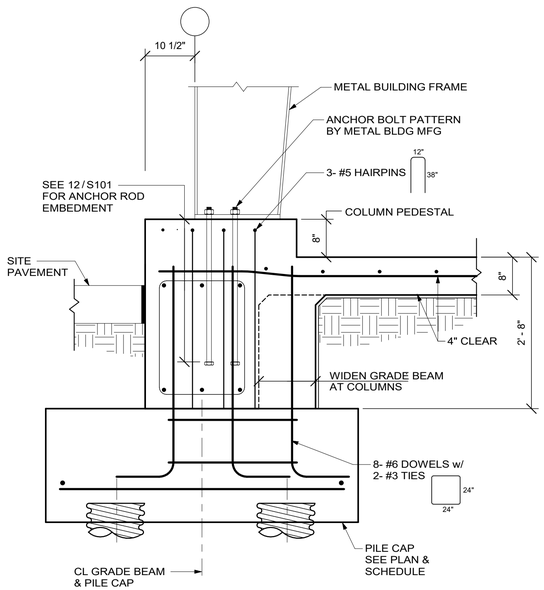
8 TYPICAL SLOPED SLAB

3/4" = 1'-0"



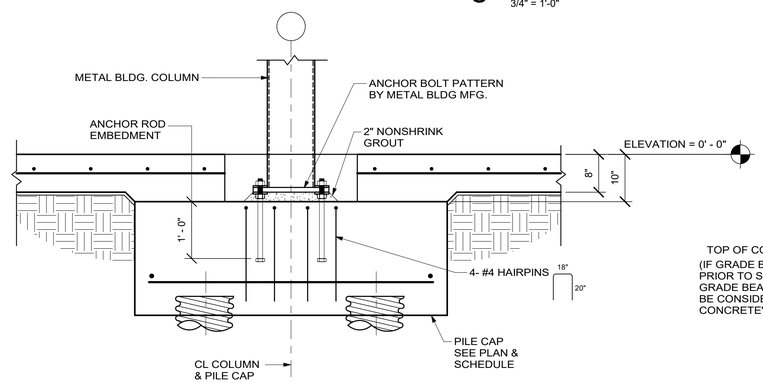
9 OPTIONAL SLOPED SLAB DETAIL

3/4" = 1'-0"



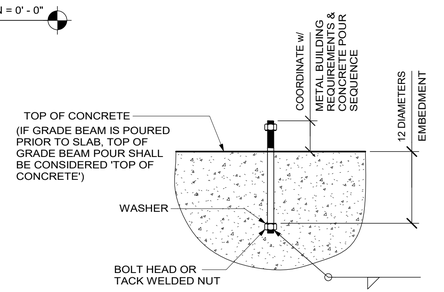
10 COLUMN BASE AT EXTERIOR GRADE BEAM

3/4" = 1'-0"



11 COLUMN BASE AT INTERIOR COLUMN

3/4" = 1'-0"



12 TYPICAL ANCHOR ROD

1" = 1'-0"

ALL ANCHOR RODS TO BE ASTM F1554, GRADE 36 HEADED BOLTS OR GRADE 36 THREADED RODS w/ BOTTOM NUT & WASHER

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B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/21

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Project LUMCON HOUMA MARINE CAMPUS PHASE II

OFFICE / WAREHOUSE BUILDING & BULKHEAD

HOUMA, LA

Drawing

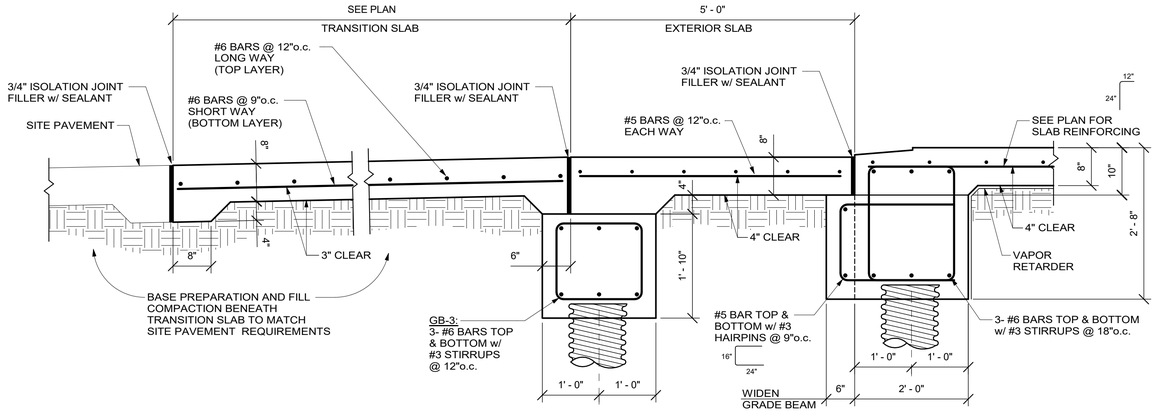
FOUNDATION DETAILS

Seal

STATE OF LOUISIANA — MICHAEL H. BADEAUX III — REG. NO. 25640 — PROFESSIONAL ENGINEER — IN CIVIL ENGINEERING — 9/16/25

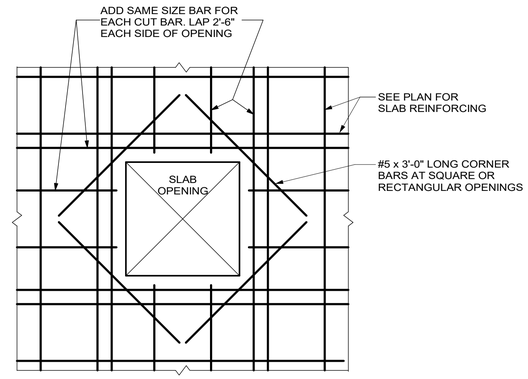
State Proj. #	19-674-19-01, F.19002314
Site ID #	3-55-003
Project No.	2020-23
State ID #	XXXXX
File Name	3499
PM/PIC	MHB
Drawn By	MHB
Date	09/25/25

S101



1 SECTION - EXTERIOR SLAB

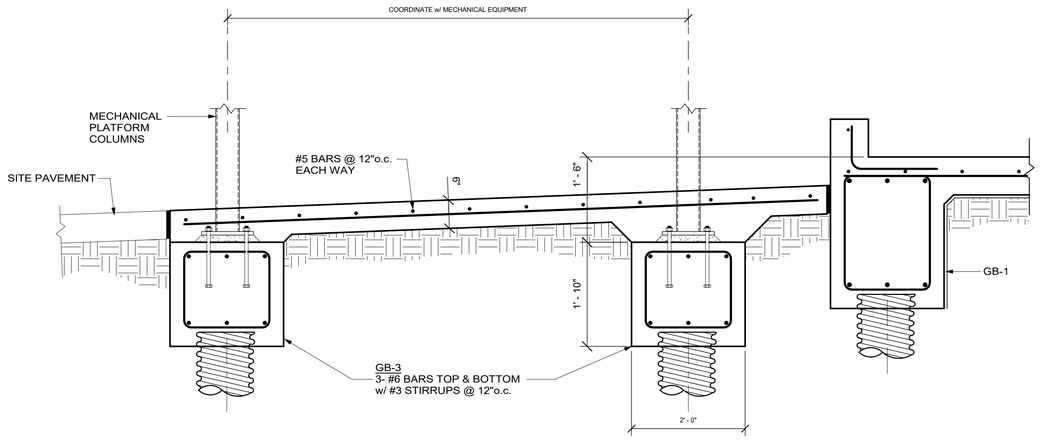
3/4" = 1'-0"



2 REINFORCING AT SLAB OPENING OR PENETRATION

3/4" = 1'-0"

THIS DETAIL TO BE USED AT ALL SLAB OPENINGS AND PENETRATIONS, INCLUDING COLUMN BASE PLATE BLOCK-OUTS



3 SECTION - MECHANICAL PLATFORM FOUNDATION

3/4" = 1'-0"

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No.	Revision/Description	Date
C.	CDs - ISSUED FOR BID	09/25/25
B.	CDs - ISSUED FOR APPROVAL	05/15/25

CRUMP WILSON
ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II

OFFICE / WAREHOUSE BUILDING & BULKHEAD

HOUMA, LA

Drawing

FOUNDATION DETAILS

Seal

STATE OF LOUISIANA
MICHAEL H. BADEAUX
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

State Proj. #
19-674-19-01, F.19002314

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S102

1 GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE
2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK (HVAC, PLUMBING AND FIRE PROTECTION) ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY
3. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS
4. PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE
5. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED
6. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS
7. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS
8. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED
9. LOCATE ALL TEMPERATURE PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWN STREAM AS RECOMMENDED BY THE MANUFACTURER FOR GOOD ACCURACY
10. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED
11. REINFORCEMENT, DETAILING, AND PLACEMENT OF CONCRETE SHALL CONFORM TO ASTM 315 AND ACI 318. CONCRETE SHALL CONFORM TO ASTM C94. CONCRETE WORK SHALL CONFORM TO ACI318, PART ENTITLED "CONSTRUCTION REQUIREMENTS." COMPRESSIVE STRENGTH IN 28 DAYS SHALL BE 3,000 PSI. TOTAL AIR CONTENT OF EXTERIOR CONCRETE SHALL BE BETWEEN 5 AND 7 PERCENT BY VOLUME. SLUMP SHALL BE BETWEEN 3 AND 4 INCHES. CONCRETE SHALL BE CURED FOR 7 DAYS AFTER PLACEMENT.
12. COORDINATE ALL EQUIPMENT CONNECTION WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
13. ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND DIVISION 16 OF THE SPECIFICATION
14. MINIMUM CONCRETE PAD THICKNESS SHALL BE 4 INCHES. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 INCHES ON EACH SIDE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
15. LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED
16. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION

2 PLUMBING NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE
2. PROVIDE SHUTOFF VALVES IN ALL DOMESTIC WATER PIPING SYSTEMS BRANCHES IN WHICH BRANCH PIPING SERVES TWO OR MORE FIXTURES
3. UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE SAME SIZE AS NOTED ON THE PLUMBING FIXTURE SCHEDULE
4. UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB, WITH SPACE FOR INSULATION IF REQUIRED
5. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE
6. WHERE DOMESTIC COLD AND HOT WATER PIPING DROPS INTO A PIPE CHASE, THE SIZE SHOWN FOR THE PIPE DROPS SHALL BE USED TO THE LAST FIXTURE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
7. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING
8. ALL PIPING SHALL CLEAR DOORS AND WINDOWS
9. ALL PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF ALL RISERS AND LOW POINTS
10. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS
11. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION
12. ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTION TO EQUIPMENT AND CONTROLS
13. PROVIDE ALL PLUMBING FIXTURES AND EQUIPMENT WITH ACCESSIBLE STOPS
14. UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, DRAINS SHALL BE INSTALLED AT THE LOW POINT OF ROOFS, AREAWAYS, FLOORS, ETC
15. PROVIDE CLEANOUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT ENDS OF RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 50 FEET IN HORIZONTAL RUNS AND ELSEWHERE AS INDICATED (EDIT HORIZONTAL CLEANOUT SPACING TO SUIT CODE AND PROJECT REQUIREMENTS)
16. ALL CLEANOUTS SHALL BE FULL SIZE OF PIPE FOR BUILDING DRAINS 6 INCHES AND SMALLER AND SHALL BE 6 INCHES FOR BUILDING DRAINS LARGER THAN 6 INCHES
17. ALL BALANCING VALVES AND BUTTERFLY VALVES SHALL BE PROVIDED WITH POSITION INDICATORS AND MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS)
18. ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED
19. ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER
20. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE OR AS INDICATED ON THE DRAWINGS

3 SYMBOL LEGEND

- NEW WORK
- EXISTING WORK TO REMAIN
- EXISTING WORK TO BE DEMOLISHED
- NEW EQUIPMENT OR FIXTURE
- MATCHLINE (1 / M101)
- GRID LINE (1)
- SECTION SYMBOL (1 / M101 — SECTION NUMBER / SHEET NUMBER)
- DETAIL SYMBOL (1 / M101 — DETAIL NUMBER / SHEET NUMBER)
- DIFFUSER TAG (A: 500 CFM / 10"ø NECK SIZE / MARK)
- SHEET REFERENCE TAG (RE: 1 / M101 — SHEET NUMBER / VIEW NUMBER)
- GENERAL NOTE (1)
- DEMO NOTE (1)
- REVISION TAG (1)
- TIE INTO
- THERMOSTAT SYMBOL (T_{60})

4 DUCTWORK LEGEND

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

5 PIPING LEGEND

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

6 FIRE PROTECTION LEGEND

- SPRINKLER RISER
- SIAMESE CONNECTION
- CONCEALED POPOUT HEAD - WET PIPE
- UPRIGHT PENDANT HEAD - WET PIPE
- PENDANT HEAD - WET PIPE
- UPRIGHT PENDANT HEAD - ANTI-FREEZE
- PENDANT HEAD - ANTI-FREEZE
- CONCEALED POPOUT HEAD - DRY PIPE
- UPRIGHT PENDANT HEAD - DRY PIPE
- PENDANT HEAD - DRY PIPE

7 MECHANICAL NOTES

1. DUCTWORK DIMENSIONS GIVEN ARE METAL TO METAL
2. REFER TO DIFFUSER AND GRILLE SCHEDULE FOR BRANCH DUCT SIZE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
3. REFER TO MECHANICAL SCHEDULE SHEET FOR EQUIPMENT, DIFFUSER, AND GRILLE SCHEDULES
4. INSTALL TRANSITION DUCT FROM INLET AND OUTLET OF EQUIPMENT TO DUCT SIZE SHOWN ON PLANS; CONSULT EQUIPMENT MANUFACTURER FOR INLET AND OUTLET SIZE
5. ALL DUCT ELBOWS, BENDS, AND TEES SHALL BE PROVIDED WITH DOUBLE THICKNESS TURNING VANES OR RADIUS ELBOWS UNLESS SHOWN OR NOTED OTHERWISE. ELBOWS IN DISHWASHER, KITCHEN, AND LAUNDRY EXHAUST SHALL BE UNVANED SMOOTH RADIUS CONSTRUCTION WITH A RADIUS OF 1.5 TIMES THE WIDTH OF THE DUCT
6. REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR COORDINATION WITH MECHANICAL DRAWINGS. OFFSETS IN DUCTS, INCLUDING DIVIDED DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER
7. EQUIPMENT SIZES AND SERVICE SPACE REQUIREMENTS VARY AMONG MANUFACTURERS; CONSULT MANUFACTURER DATA FOR SPACE REQUIREMENTS AND VERIFY SPACE ADEQUACY
8. DO NOT BLOCK TUBE PULL, FILTER PULL, COIL PULL, SAFETY OR SERVICE CLEARANCE SPACE ON EQUIPMENT WITH PIPING, DUCTWORK, ETC. FLANGED OR REMOVABLE SECTIONS MAY BE USED IN SOME INSTANCES WHERE TIGHT CLEARANCES EXIST; VERIFY WITH ARCHITECT IN SUCH CASE
9. REFER TO ARCHITECTURAL REFLECTIVE CEILING PLAN DRAWINGS FOR COORDINATION OF MECHANICAL ITEMS TO BE INSTALLED IN CEILING AND MAKE MINOR DUCT MODIFICATIONS TO SUIT
10. PROVIDE ESCUTCHEONS AT ALL EXPOSED LOCATIONS WHERE PIPE PENETRATES WALL
11. ROOM NUMBERS AND NAMES ON THE CONSTRUCTION DOCUMENTS ARE FOR CONSTRUCTION PURPOSES ONLY AND CAN CHANGE DURING CONSTRUCTION; OBTAIN FINAL ROOM NUMBERS AND NAMES FROM THE ARCHITECT
12. WHERE CONCEALED BY INACCESSIBLE FINISHES, PROVIDE ACCESS DOORS TO ALL VALVE BOXES, VALVES, DUCT STATIC PRESSURE SENSORS, MANUAL VOLUME DAMPERS, FIRE DAMPERS, FIRE/SMOKE CONTROLS, AIR VENTS, DRAIN CONNECTIONS AND ALL OTHER ITEMS REQUIRING PERIODIC MAINTENANCE, OPERATION, OR ADJUSTMENT. ACCESS DOORS ARE TO BE SIZED AND LOCATED FOR EASY PERFORMANCE OF THE FUNCTION INTENDED. COORDINATE LOCATION OF ACCESS DOORS WITH ALL TRADES AFFECTED
13. ALL EQUIPMENT INSTALLATIONS SHALL BE INSTALLED TO MEET THE INSTALLATION AND OPERATION REQUIREMENT OF THE EQUIPMENT MANUFACTURER AND ALL CODES AND REGULATIONS IN EFFECT IN THE AREA WHERE WORK IS DONE
14. THE CONDENSATE DRAIN LINE SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE FLOOR DRAIN; ELEVATE UNIT TO ACCOMMODATE P-TRAP
15. ALL EQUIPMENT AND DEVICES TO BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF CONTRACT DRAWINGS, SPECIFICATIONS, MANUFACTURERS RECOMMENDATIONS, AND ACCORDING TO CODE
16. ALL EQUIPMENT TO BE TAGGED AND IDENTIFIED ACCORDING TO THE IDENTIFICATION NUMBER OR DESIGNATION ON THE MECHANICAL DRAWING EQUIPMENT SCHEDULES
17. ALL HVAC EQUIPMENT SHALL MEET THE REQUIREMENTS OF ASHRAE STANDARD 90.1-2004
18. CERTAIN ITEMS SUCH AS RISES AND DROPS IN DUCTWORK, ACCESS DOORS, VOLUME DAMPERS, ETC., ARE INDICATED ON THE CONTRACT DOCUMENT DRAWINGS FOR CLARITY FOR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOTE BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS
19. UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, LOCATE ALL ROOM THERMOSTATS AND HUMIDISTATS 4'-0" (CENTERLINE) AFF. NOTIFY THE ENGINEER OF ANY ROOMS WHERE THE ABOVE LOCATION CANNOT BE MAINTAINED OR WHERE THERE IS A QUESTION ON LOCATION
20. ALL DUCTWORK SHALL CLEAR DOORS AND WINDOWS
21. ALL AIR HANDLING UNITS SHALL OPERATE WITHOUT MOISTURE CARROVER
22. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS (SUPPLY, RETURN, AND EXHAUST) CONNECTED TO AIR HANDLING UNITS, FANS, AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECITON TO THE EQUIPMENT UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
23. UNLESS OTHERWISE NOTED, ALL DUCTOWRK IS OVERHEAD, TIGHT TO UNDERSIDE OF THE STRUCTURE, WITH SPACE FOR INSULATION IF REQUIRED
24. RUNS OF FLEXIBLE DUCT SHALL NOT EXCEED 6 FEET
25. SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MOUNTING THE SMOKE DETECTOR IN DUCTWORK AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS
26. SEE SPECIFICATIONS FOR DUCTWORK GAUGES, BRACING, HANGERS, AND OTHER REQUIREMENTS
27. REFER TO HVAC SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

8 ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	BTU	BRITISH THERMAL UNIT	CONC	CONCRETE	DN	DOWN	EWC	ELECTRIC WATER COOLER	FPI	FINS PER INCH	LPC	LOW PRESSURE CONDENSATE	MIN	MINIMUM	R/A	RETURN AIR	VD	VOLUME DAMPER
ABV	ABOVE	BTUH	BRITISH THERMAL UNIT/HOUR	CONT	CONTINUATION	DP	PRESSURE DROP	EWT	ENTERING WATER TEMPERATURE	FPM	FEET PER MINUTE	LPS	LOW PRESSURE STEAM	MOCP	MAXIMUM OVERCURRENT PROTECTION	REF	REFRIGERANT	VRV	VARIABLE REFRIGERANT VOLUME
ACC	AIR COOLED CHILLER	CAP	CAPACITY	COP	COEFFICIENT OF PERFORMANCE	DWG	DRAWING	EXH	EXHAUST	FSD	COMBINATION FIRE SMOKE DAMPER	LWB	LEAVING WET BULB TEMPERATURE	MUA	MAKE-UP AIR UNIT	RLA	RATED LOAD AMPS	VTR	VENT THROUGH ROOF
AFF	ABOVE FINISHED ROOF	CAV	CONSTANT AIR VOLUME	CRAH	COMPUTER ROOM AIR HANDLER	DX	DIRECT EXPANSION	FA	FREE AREA (SQUARE FEET)	FT	FEET	LWT	LEAVING WATER TEMPERATURE	NC	NORMALLY CLOSED	RPM	REVOLUTIONS PER MINUTE	W	WATTS
AFR	ABOVE FINISHED ROOF	CC	COOLING COIL	CV	CONSTANT VOLUME	EA	EACH	FC	FLEXIBLE CONNECTION	GPM	GALLONS PER MINUTE	MAV	MANUAL AIR VENT	NIC	NOT IN CONTRACT	RTU	ROOFTOP UNIT	WB	WET BULB
AHU	AIR HANDLING UNIT	CD	CONDENSATE DRAIN	CWR	CHILLED WATER RETURN	E/A	EXHAUST AIR	FCU	FAN COIL UNIT	HC	HEATING COIL	MAX	MAXIMUM	NO	NORMALLY OPEN	S/A	SUPPLY AIR	WCC	WATER COOLED CHILLER
A	AMPS	CDWS	CONDENSER WATER SUPPLY	CWS	CHILLED WATER SUPPLY	EAT	ENTERING AIR TEMPERATURE	FD	FIRE DAMPER	HHWR	HOT WATER RETURN	MBH	1000 BTUH	NPSH	NET POSITIVE SUCTION HEAD	SEN	SENSIBLE		
ARCH	ARCHITECTURAL	CDWR	CONDENSER WATER RETURN	dB	DECIBEL	EF	EXHAUST FAN	FLA	FULL LOAD AMPS	HHWS	HOT WATER SUPPLY	MCA	MINIMUM CIRCUIT AMPACITY	O/A	OUTSIDE AIR	TOT	TOTAL		
BDD	BACKDRAFT DAMPER	CFM	CUBIC FEET PER MINUTE	DB	DRY BULB	ELEC	ELECTRICAL	FLT	FILTER	KW	KILOWATT	MFG	MANUFACTURER	OBD	OPPOSED BLADE DAMPER	V	VOLTS		
BHP	BRAKE HORSEPOWER	CLG	CEILING	DG	DOOR GRILLE	ESP	EXTERNAL STATIC PRESSURE	FPB	FAN POWER BOX	LAT	LEAVING AIR TEMPERATURE	MHP	MOTOR HORSEPOWER	QTY	QUANTITY	VAV	VARIABLE AIR VOLUME		

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

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No.	Revision/Description	Date
E.	CDS - ISSUED FOR BID	09/25/25
D.	CDS - ISSUDE FOR APPROVAL	05/15/25
C.	CDS - ISSUED FOR APPROVAL	04/21/25
B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

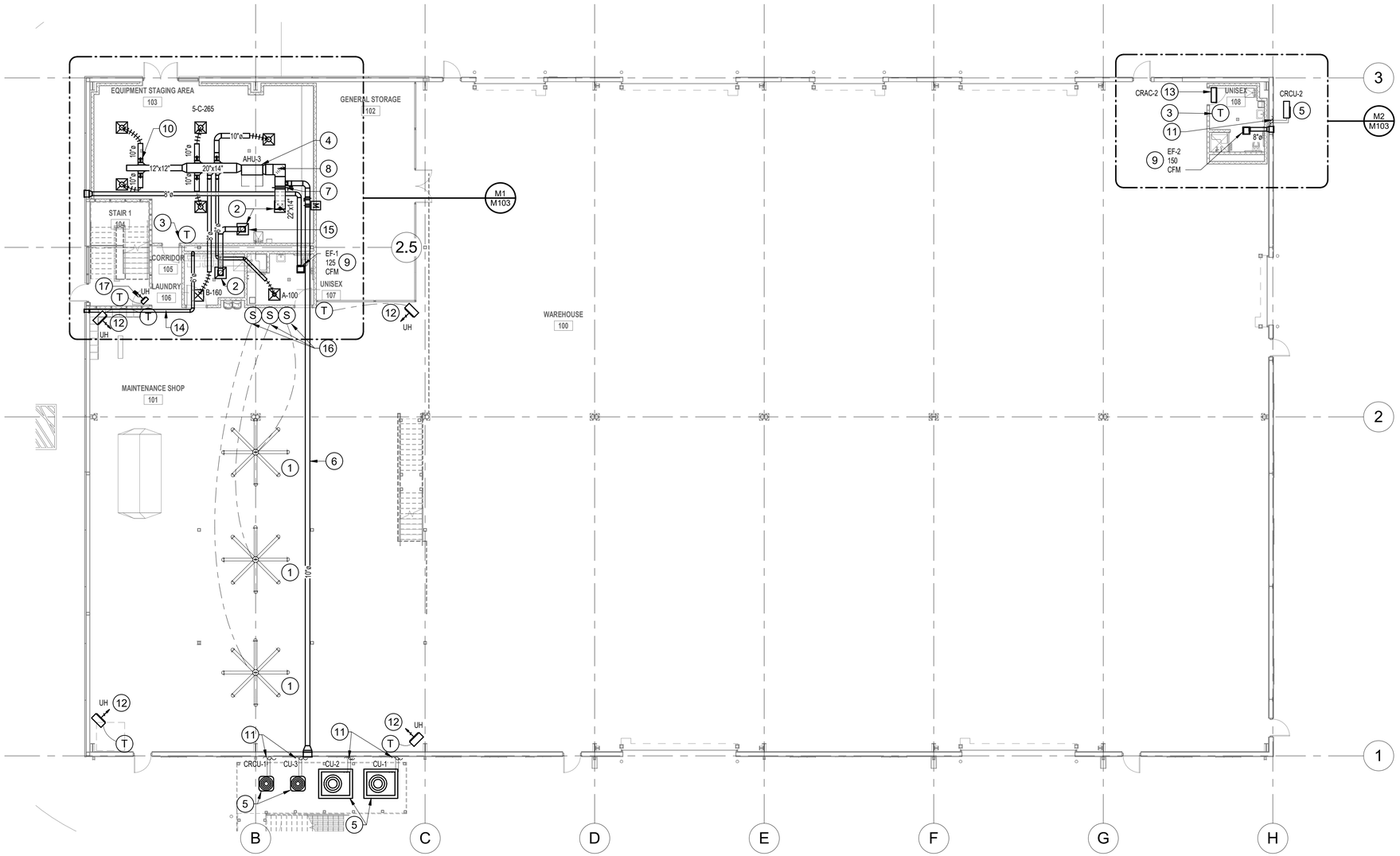
Drawing: MECHANICAL COVER SHEET

Seal: STATE OF LOUISIANA — FRANK S. THOMPSON — 28854 — PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date: 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
State ID # XXXXX | File Name LHMC1
PM/PIC FST | Drawn By KGV

M000



MECHANICAL PLAN NOTES

1. CONTRACTOR SHALL INSTALL NEW 10' DIAMETER DIRECT DRIVE CEILING MOUNTED FAN, 480/3/60, AND MUST INSTALL IN STRICT ACCORDANCE TO EQUIPMENT MANUFACTURER'S REQUIREMENTS. PROVIDE FAN CONTROLLER AND COORDINATE EXACT LOCATION WITH OWNER. PROVIDE ALL CONTROLLERS, POWER, CONDUIT, ETC. AS NECESSARY FOR A COMPLETE INSTALLATION. MACROAIR SERIES X AVDX HVLS OR APPROVED EQUAL, CONTRACTOR SHALL INCLUDE ALL DROPS IN BID, EXACT DROP LENGTH MUST BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
2. 24"X24" RETURN AIR GRILLE, TYPICAL.
3. ALL THERMOSTATS/HUMIDISTATS SHALL BE MOUNTED SAME HEIGHT AS OCCUPANCY/LIGHT SENSORS. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ORDERING.
4. AIR HANDLING UNIT MOUNTED ABOVE CEILING HUNG FROM STRUCTURE ABOVE. PROVIDE STAINLESS STEEL AUXILIARY DRAIN PAN WITH WELDED SEAMS, 1" COPPER DRAIN LINE WITH STAINLESS STEEL BALL VALVE FROM THE AUXILIARY DRAIN PAN (ROUTED TO NEAREST PLUMBING VENT WITH P-TRAP), WITH FLOAT SWITCH UNDER ENTIRE UNIT, TYPICAL. INSULATE 1" CONDENSING DRAIN LINE AND ROUTE TO NEAREST PLUMBING VENT WITH P-TRAP.
5. CONDENSING UNIT ON GALVANIZED PLATFORM (RE:ARCHITECTURAL), LOCATED AS PER MANUFACTURER'S REQUIREMENTS OFF THE WALL. CONTRACTOR SHALL ROUTE REFRIGERANT PIPING UP INSIDE WALLS, SIZED IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS, TO RESPECTIVE AHU. ALL EXPOSED REFRIGERANT PIPING SHALL BE INSULATED AND COVERED WITH ALUMINUM JACKET.
6. 10" DIAMETER FRESH AIR DUCT WITH SEPARATE FULL SIZE MOTORIZED AND FULL SIZE OPPOSED BLADE MANUAL BALANCING DAMPER. MOTORIZED DAMPER TO CLOSE WHEN UNIT CYCLES OFF. ALL MOTORIZED DAMPERS MUST BE 24 VOLT AND TIED INTO THE AIR HANDLING UNIT. CONTROLS CONTRACTOR OR MECHANICAL CONTRACTOR SHALL PROVIDE ALL POWER NECESSARY FOR A FULLY FUNCTIONING SYSTEM. FRESH AIR DUCT SHALL TRANSITION TO FULL SIZE OF 18"X18" LOUVER WITH 45 DEGREE HOOD ON EXTERIOR WALL. COLOR AND MOUNTING HEIGHT MUST BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING. FRESH AIR LOUVER SHALL BE LOCATED A MINIMUM OF 10' AWAY FROM ANY EXHAUST OR VENTING.
7. MANUAL VOLUME DAMPER.
8. CONTRACTOR SHALL PROVIDE AND INSTALL TURNING VANES IN ALL SUPPLY, RETURN AND EXHAUST DUCT AT ALL ELBOWS 45 DEGREES OR GREATER, TYPICAL.
9. CABINET TYPE EXHAUST FAN, CFMS AS SHOWN. INTERLOCK FAN WITH LIGHT/OCCUPANCY SENSOR. ROUTE EXHAUST DUCT TO 16"x16" EXTERIOR LOUVER WITH 45 DEGREE HOOD ON EXTERIOR WALL, EXACT COLOR AND MOUNTING HEIGHT BY ARCHITECT. GREENHECK EAD SERIES OR APPROVED EQUAL.
10. AIR EXTRACTOR AND MANUAL VOLUME DAMPER WITH LOCKABLE DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT, TYPICAL FOR ALL ROUND DUCT TAKE OFFS . DAMPER HANDLES SHALL NOT BE COVERED WITH INSULATION, TYPICAL ALL DAMPERS.
11. ROUTE INSULATED REFRIGERANT LINES THROUGH WALL AND INTO CEILING SPACE AND OVER UP TO AIR HANDLING UNIT. HOLD REFRIGERANT LINES AS TIGHT TO WALL/CEILING AS POSSIBLE. SEAL PENETRATION WATER TIGHT. REFRIGERANT LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S REQUIREMENTS. SUCTION LINE SHALL BE INSULATED AND WRAPPED IN AN ALUMINUM JACKET, TYPICAL. SUPPORT LINES ON GRADE WITH GALVANIZED UNISTRUTS, TYPICAL.
12. CONTRACTOR SHALL PROVIDE AND INSTALL NEW WALL MOUNTED ELECTRIC UNIT HEATER, 15 KW, BRASCH OR APPROVED EQUAL, INSTALL CONTROLLERS FOR HEATER IN LOCATION SELECTED BY OWNER, RE: ELECTRICAL. CONTRACTOR MUST INSTALL IN STRICT ACCORDANCE TO EQUIPMENT MANUFACTURER'S REQUIREMENTS.
13. MINI SPLIT WALL MOUNTED AS HIGH AS ALLOWABLE BY MANUFACTURER'S REQUIREMENTS. PROVIDE INTEGRAL CONDENSATE PUMP, 1" INSULATED CONDENSATE DRAIN PIPING SHALL DRAIN TO NEAREST PLUMBING VENT, PROVIDE P-TRAP AND INDIRECT CONNECTION, TYPICAL. UNIT SHALL BE SET AT 78 DEGREES AT ALL TIMES.
14. 6" DIAMETER RIGID DRYER DUCT ROUTED TO EXTERIOR WALL CAP.
15. RETURN AIR TRANSFER ASSEMBLY WITH TWO 24"X24" RETURN AIR GRILLES WITH LINED PLENUM BOX CONNECTED TOGETHER WITH 10" DIAMETER INTERNALLY LINED RETURN AIR DUCT.
16. SPEED CONTROLLERS FOR CIRCULATION FANS. EXACT LOCATIONS TO BE COORDINATED WITH OWNER PRIOR TO ORDERING.
17. CONTRACTOR SHALL PROVIDE AND INSTALL NEW WALL MOUNTED ELECTRIC UNIT HEATER, 3 KW, TRANE OR APPROVED EQUAL. INSTALL CONTROLLERS FOR HEATER IN LOCATION SELECTED BY OWNER, RE: ELECTRICAL. CONTRACTOR MUST INSTALL IN STRICT ACCORDANCE TO EQUIPMENT MANUFACTURER'S REQUIREMENTS.

NORTH

0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

M1 | FIRST FLOOR HVAC PLAN

3/32" = 1'-0"

THOMPSON LUKE & ASSOCIATES, L.L.C.
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BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

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B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing FIRST FLOOR HVAC PLAN

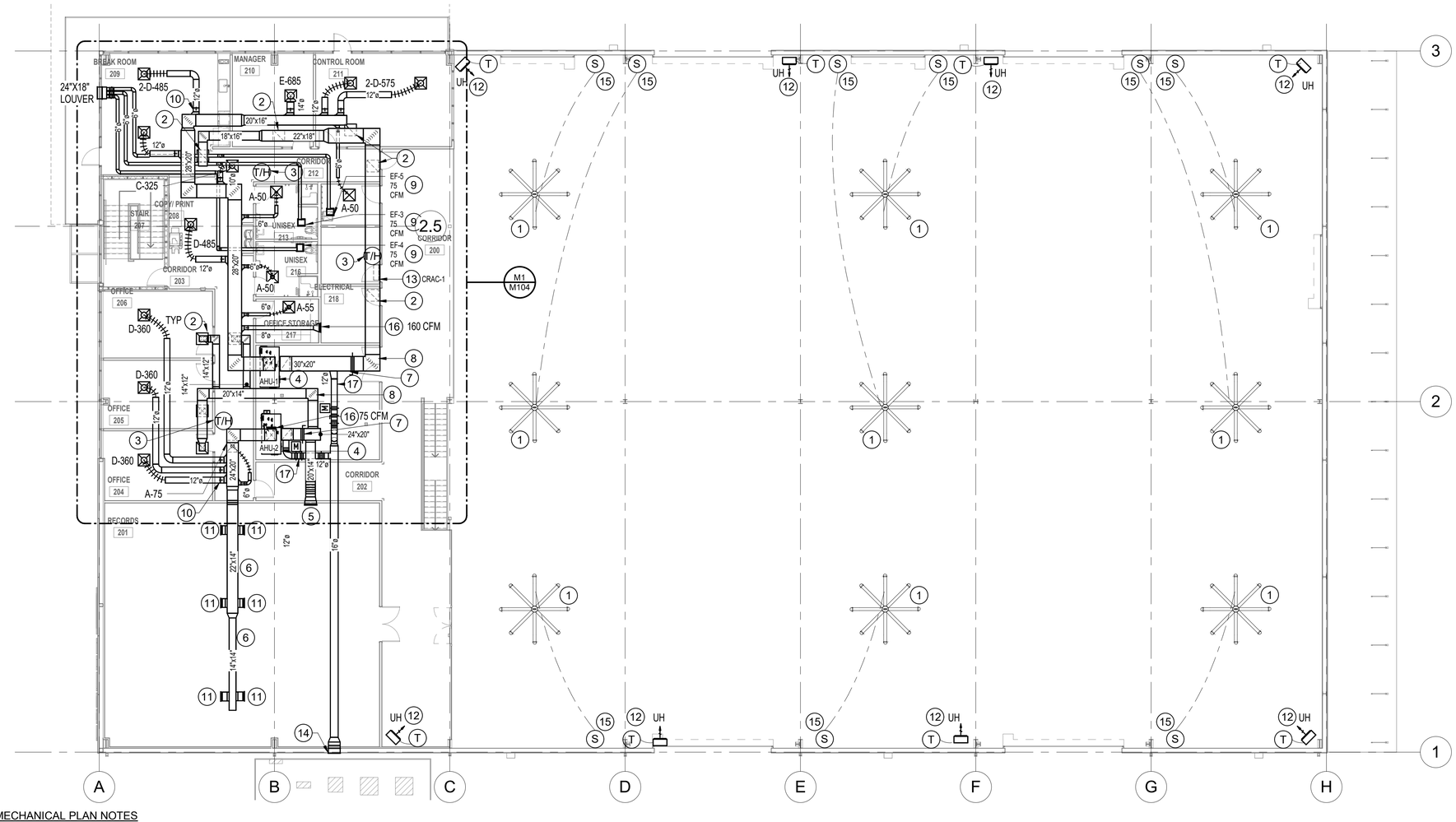
Seal: STATE OF LOUISIANA · FRANK SAVILLE THOMPSON · 28854 · PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
State ID #	xxxxx	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

M101



MECHANICAL PLAN NOTES

1. CONTRACTOR SHALL INSTALL NEW 12' DIAMETER DIRECT DRIVE CEILING MOUNTED FAN, 480/3/60, AND MUST INSTALL IN STRICT ACCORDANCE TO EQUIPMENT MANUFACTURER'S REQUIREMENTS. PROVIDE FAN CONTROLLER AND COORDINATE EXACT LOCATION WITH OWNER. PROVIDE ALL CONTROLLERS, POWER, CONDUIT, ETC. AS NECESSARY FOR A COMPLETE INSTALLATION. MACROAIR SERIES X AVDX HVLS OR APPROVED EQUAL, CONTRACTOR SHALL INCLUDE ALL DROPS IN BID, EXACT DROP LENGTH MUST BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
2. 24"X24" RETURN AIR GRILLE, TYPICAL.
3. ALL THERMOSTATS/HUMIDISTATS SHALL BE MOUNTED SAME HEIGHT AS OCCUPANCY/LIGHT SENSORS. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ORDERING.
4. VERTICAL AIR HANDLING UNIT. PROVIDE STAINLESS STEEL AUXILIARY DRAIN PAN WITH WELDED SEAMS, 1" COPPER DRAIN LINE WITH STAINLESS STEEL BALL VALVE FROM THE AUXILIARY DRAIN PAN (ROUTED TO NEAREST FLOOR DRAIN), WITH FLOAT SWITCH UNDER ENTIRE UNIT, TYPICAL. INSULATE 1" CONDENSING DRAIN LINE AND ROUTE TO NEAREST FLOOR DRAIN. ROUTE REFRIGERANT LINES, SIZED AS PER MANUFACTURER'S REQUIREMENTS THROUGH CEILING SPACE OVER TO INSIDE EXTERIOR WALL AND DOWN TO RESPECTIVE CONDENSING UNIT, TYPICAL.
5. 24"X30" SIDEWALL RETURN AIR GRILLE.
6. ALL EXPOSED SPIRAL OR RECTANGULAR DUCTWORK SHALL BE SINGLE WALL, W/ MINIMUM OF1" INTERNAL RIGID INSULATION. EXACT MOUNTING HEIGHT AND ROUTING SHALL BE COORDINATED W/ ARCHITECTURAL, STRUCTURAL AND ELECTRICAL PRIOR TO ORDERING. DUCTWORK SHALL HAVE PAINT GRIP FINISH. COLOR TO BE SELECTED BY ARCHITECT PRIOR TO ORDERING. DIMENSIONS SHOWN ARE INSIDE CLEAR. EXPOSED DUCTWORK EXTERNALLY LINED WILL NOT BE ALLOWED.
7. MANUAL VOLUME DAMPER.
8. CONTRACTOR SHALL PROVIDE AND INSTALL TURNING VANES IN ALL SUPPLY, RETURN AND EXHAUST DUCT AT ALL ELBOWS 45 DEGREES OR GREATER, TYPICAL.
9. CABINET TYPE EXHAUST FAN, CFMS AS SHOWN. INTERLOCK FAN WITH LIGHT/OCCUPANCY SENSOR. ROUTE EXHAUST DUCT TO 24"x18" EXTERIOR LOUVER, WITH 45 DEGREE HOOD ON EXTERIOR WALL, EXACT COLOR AND MOUNTING HEIGHT BY ARCHITECT. PROVIDE BACKDRAFT DAMPER IN EACH EXHAUST DUCT WORK PRIOR TO GANGING TO LOUVER. BLANK OFF ANY UNUSED PORTION OF LOUVER. GREENHECK EAD SERIES OR APPROVED EQUAL.
10. AIR EXTRACTOR AND MANUAL VOLUME DAMPER WITH LOCKABLE DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT, TYPICAL FOR ALL ROUND DUCT TAKE OFFS . DAMPER HANDLES SHALL NOT BE COVERED WITH INSULATION, TYPICAL ALL DAMPERS.
11. PROVIDE 18"X6" SIDEWALL SUPPLY GRILLES, 295 CFM TYPICAL. FINAL LOCATION, COLOR AND MOUNTING HEIGHT BY ARCHITECT. PROVIDE BALANCING DAMPERS ACCESSIBLE FROM FACE OF GRILLE.
12. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CEILING MOUNTED ELECTRIC UNIT HEATER, 15 KW, BRASCH OR APPROVED EQUAL, INSTALL CONTROLLERS FOR HEATER IN LOCATION SELECTED BY OWNER, RE: ELECTRICAL. CONTRACTOR MUST INSTALL IN STRICT ACCORDANCE TO EQUIPMENT MANUFACTURER'S REQUIREMENTS.
13. MINI SPLIT WALL MOUNTED AS HIGH AS ALLOWABLE BY MANUFACTURER'S REQUIREMENTS. PROVIDE INTEGRAL CONDENSATE PUMP, 1" INSULATED CONDENSATE DRAIN PIPING SHALL DRAIN TO NEAREST PLUMBING VENT, PROVIDE P-TRAP AND INDIRECT CONNECTION, TYPICAL.
14. 16" DIAMETER FRESH AIR DUCT. FRESH AIR DUCT SHALL TRANSITION TO FULL SIZE OF 24"X24" LOUVER WITH 45 DEGREE HOOD ON EXTERIOR WALL. COLOR AND MOUNTING HEIGHT MUST BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING. FRESH AIR LOUVER SHALL BE LOCATED A MINIMUM OF 10' AWAY FROM ANY EXHAUST OR VENTING.
15. SPEED CONTROLLERS FOR CIRCULATION FANS. ALL SPEED CONTROLLERS SHALL BE LOCATED ON THE FIRST FLOOR LEVEL, THEY ARE SHOWN ON THIS PLAN FOR CONNECTIVITY TO CIRCULATION FANS ONLY. EXACT LOCATIONS TO BE COORDINATED WITH OWNER PRIOR TO ORDERING.
16. PROVIDE 14"X6" SIDEWALL SUPPLY GRILLES, CFMS AS SHOWN, TYPICAL. FINAL LOCATION, COLOR AND MOUNTING HEIGHT BY ARCHITECT. PROVIDE BALANCING DAMPERS ACCESSIBLE FROM FACE OF GRILLE.
17. 12" DIAMETER FRESH AIR DUCT, SIZED AS SHOWN, WITH SEPARATE FULL SIZE MOTORIZED AND FULL SIZE OPPOSED BLADE MANUAL BALANCING DAMPER, AND BACKDRAFT DAMPER, TYPICAL. MOTORIZED DAMPER TO CLOSE WHEN UNIT CYCLES OFF. MOTORIZED DAMPER MUST BE 24 VOLT AND TIED INTO THE AIR HANDLING UNIT. CONTROLS CONTRACTOR OR MECHANICAL CONTRACTOR SHALL PROVIDE ALL POWER NECESSARY FOR A FULLY FUNCTIONING SYSTEM.

NORTH

0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

M1 | MEZZANINE HVAC PLAN

3/32" = 1'-0"

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

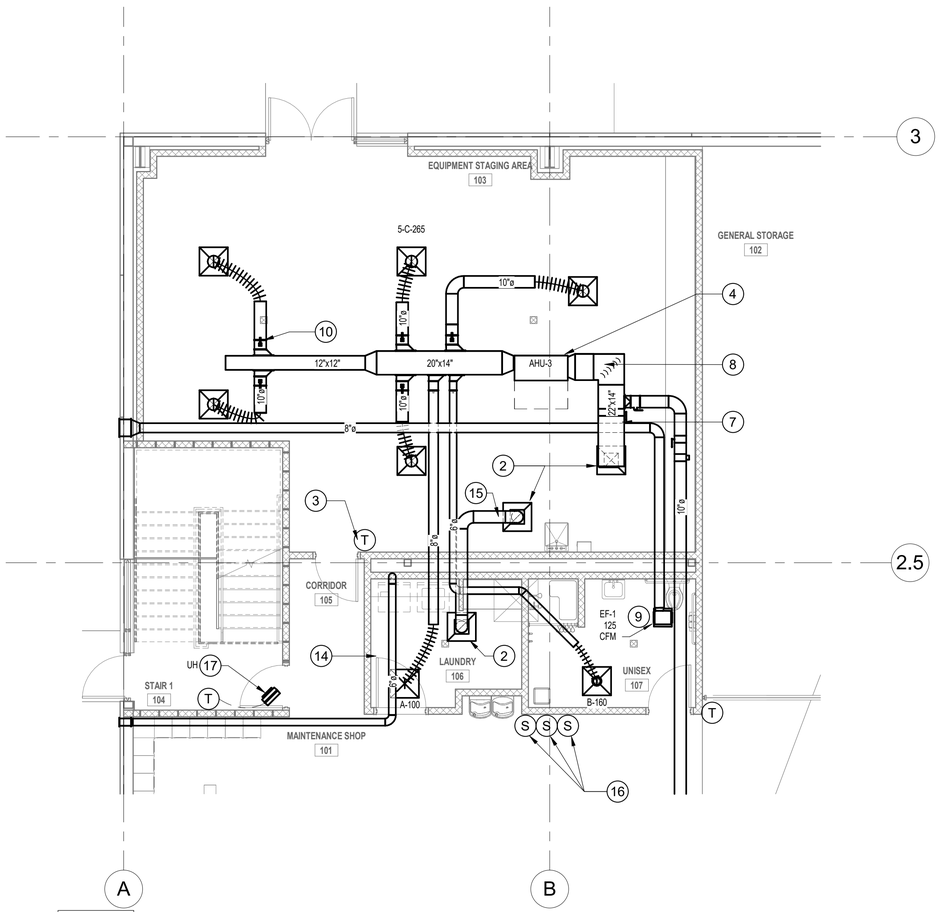
Drawing
MEZZANINE HVAC PLAN

Seal
STATE OF LOUISIANA FRANK SAVILLE THOMPSON 28854 REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # xxxxx File Name LHMC1
PM/PIC FST Drawn By KGV

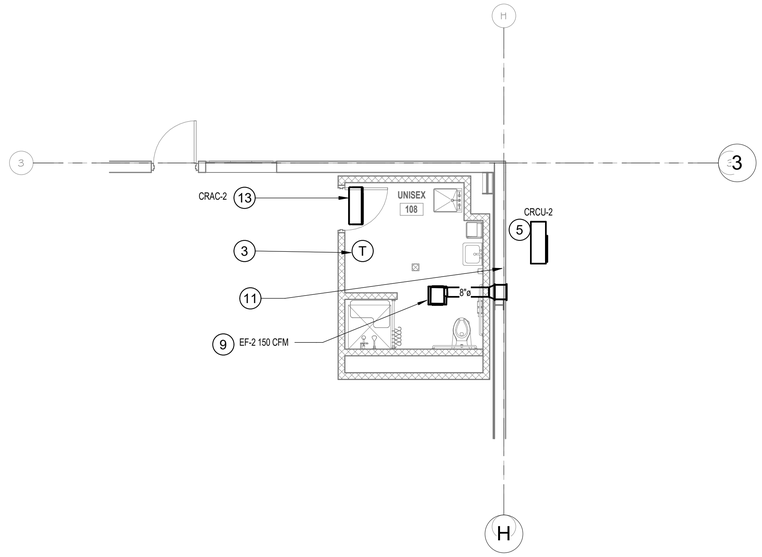
M102



M1 — PARTIAL ENLARGED FIRST FLOOR HVAC PLAN

3/16" = 1'-0" RE: M1 / M101

NORTH



M2 — FIRST FLOOR HVAC PLAN - TOILET 108

3/16" = 1'-0" RE: M1 / M101

NORTH

MECHANICAL PLAN NOTES

1. CONTRACTOR SHALL INSTALL NEW 10' DIAMETER DIRECT DRIVE CEILING MOUNTED FAN, 480/3/60, AND MUST INSTALL IN STRICT ACCORDANCE TO EQUIPMENT MANUFACTURER'S REQUIREMENTS. PROVIDE FAN CONTROLLER AND COORDINATE EXACT LOCATION WITH OWNER. PROVIDE ALL CONTROLLERS, POWER, CONDUIT, ETC. AS NECESSARY FOR A COMPLETE INSTALLATION. MACROAIR SERIES X AVDX HVLS OR APPROVED EQUAL, CONTRACTOR SHALL INCLUDE ALL DROPS IN BID, EXACT DROP LENGTH MUST BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
2. 24"X24" RETURN AIR GRILLE, TYPICAL.
3. ALL THERMOSTATS/HUMIDISTATS SHALL BE MOUNTED SAME HEIGHT AS OCCUPANCY/LIGHT SENSORS. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ORDERING.
4. AIR HANDLING UNIT MOUNTED ABOVE CEILING HUNG FROM STRUCTURE ABOVE. PROVIDE STAINLESS STEEL AUXILIARY DRAIN PAN WITH WELDED SEAMS, 1" COPPER DRAIN LINE WITH STAINLESS STEEL BALL VALVE FROM THE AUXILIARY DRAIN PAN (ROUTED TO NEAREST PLUMBING VENT WITH P-TRAP), WITH FLOAT SWITCH UNDER ENTIRE UNIT, TYPICAL. INSULATE 1" CONDENSING DRAIN LINE AND ROUTE TO NEAREST PLUMBING VENT WITH P-TRAP.
5. CONDENSING UNIT ON GALVANIZED PLATFORM (RE:ARCHITECTURAL), LOCATED AS PER MANUFACTURER'S REQUIREMENTS OFF THE WALL. CONTRACTOR SHALL ROUTE REFRIGERANT PIPING UP INSIDE WALLS, SIZED IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS, TO RESPECTIVE AHU. ALL EXPOSED REFRIGERANT PIPING SHALL BE INSULATED AND COVERED WITH ALUMINUM JACKET.
6. 10" DIAMETER FRESH AIR DUCT WITH SEPARATE FULL SIZE MOTORIZED AND FULL SIZE OPPOSED BLADE MANUAL BALANCING DAMPER. MOTORIZED DAMPER TO CLOSE WHEN UNIT CYCLES OFF. ALL MOTORIZED DAMPERS MUST BE 24 VOLT AND TIED INTO THE AIR HANDLING UNIT. CONTROLS CONTRACTOR OR MECHANICAL CONTRACTOR SHALL PROVIDE ALL POWER NECESSARY FOR A FULLY FUNCTIONING SYSTEM. FRESH AIR DUCT SHALL TRANSITION TO FULL SIZE OF 18"X18" LOUVER WITH 45 DEGREE HOOD ON EXTERIOR WALL. COLOR AND MOUNTING HEIGHT MUST BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING. FRESH AIR LOUVER SHALL BE LOCATED A MINIMUM OF 10' AWAY FROM ANY EXHAUST OR VENTING.
7. MANUAL VOLUME DAMPER.
8. CONTRACTOR SHALL PROVIDE AND INSTALL TURNING VANES IN ALL SUPPLY, RETURN AND EXHAUST DUCT AT ALL ELBOWS 45 DEGREES OR GREATER, TYPICAL.
9. CABINET TYPE EXHAUST FAN, CFMS AS SHOWN. INTERLOCK FAN WITH LIGHT/OCCUPANCY SENSOR. ROUTE EXHAUST DUCT TO 16"x16" EXTERIOR LOUVER WITH 45 DEGREE HOOD ON EXTERIOR WALL, EXACT COLOR AND MOUNTING HEIGHT BY ARCHITECT. GREENHECK EAD SERIES OR APPROVED EQUAL.
10. AIR EXTRACTOR AND MANUAL VOLUME DAMPER WITH LOCKABLE DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT, TYPICAL FOR ALL ROUND DUCT TAKE OFFS . DAMPER HANDLES SHALL NOT BE COVERED WITH INSULATION, TYPICAL ALL DAMPERS.
11. ROUTE INSULATED REFRIGERANT LINES THROUGH WALL AND INTO CEILING SPACE AND OVER UP TO AIR HANDLING UNIT. HOLD REFRIGERANT LINES AS TIGHT TO WALL/CEILING AS POSSIBLE. SEAL PENETRATION WATER TIGHT. REFRIGERANT LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S REQUIREMENTS. SUCTION LINE SHALL BE INSULATED AND WRAPPED IN AN ALUMINUM JACKET, TYPICAL. SUPPORT LINES ON GRADE WITH GALVANIZED UNISTRUTS, TYPICAL.
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14. 6" DIAMETER RIGID DRYER DUCT ROUTED TO EXTERIOR WALL CAP.
15. RETURN AIR TRANSFER ASSEMBLY WITH TWO 24"X24" RETURN AIR GRILLES WITH LINED PLENUM BOX CONNECTED TOGETHER WITH 10" DIAMETER INTERNALLY LINED RETURN AIR DUCT.
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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing ENLARGED FIRST FLOOR HVAC PLANS

Seal — STATE OF LOUISIANA · FRANK SAVILLE THOMPSON · 28854 · PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
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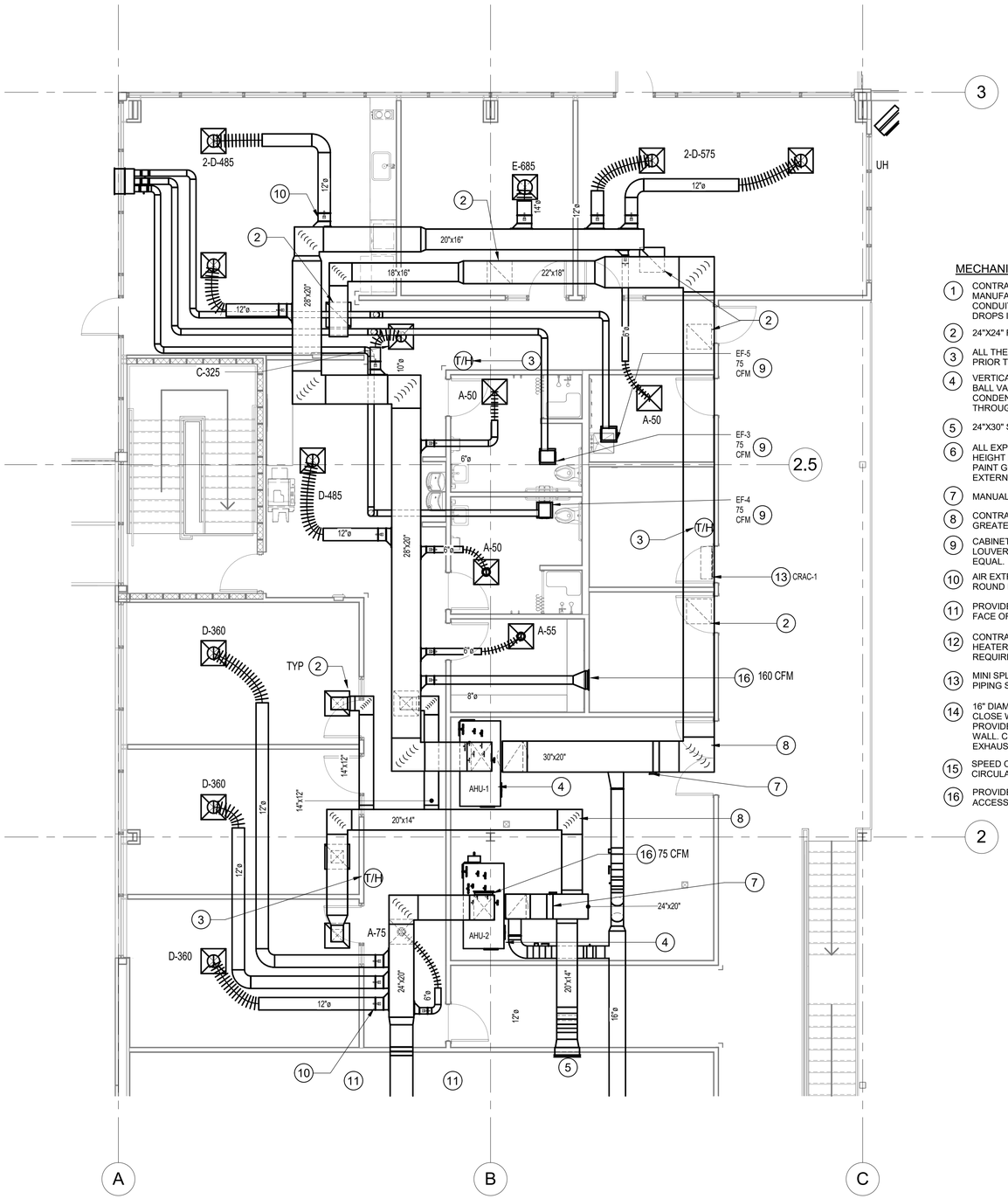
PM/PIC	FST	Drawn By	KGV

M103



NORTH

MECHANICAL PLAN NOTES

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5. 24"X30" SIDEWALL RETURN AIR GRILLE.
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10. AIR EXTRACTOR AND MANUAL VOLUME DAMPER WITH LOCKABLE DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT, TYPICAL FOR ALL ROUND DUCT TAKE OFFS . DAMPER HANDLES SHALL NOT BE COVERED WITH INSULATION, TYPICAL ALL DAMPERS.
11. PROVIDE 18"X6" SIDEWALL SUPPLY GRILLES, 295 CFM TYPICAL. FINAL LOCATION, COLOR AND MOUNTING HEIGHT BY ARCHITECT. PROVIDE BALANCING DAMPERS ACCESSIBLE FROM FACE OF GRILLE.
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CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing: ENLARGED MEZZANINE HVAC PLAN

Seal: STATE OF LOUISIANA — FRANK SAVILLE THOMPSON — 28854 — PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date: 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
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PM/PIC FST | Drawn By KGV

M104

M1 | PARTIAL ENLARGED MEZZANINE HVAC PLAN

3/16" = 1'-0" | RE: M1 / M102

AIR HANDLING UNIT SCHEDULE (AHU)

1. EXTERNAL STATIC PRESSURE LOSSES DO NOT INCLUDE LOSS FOR DIRTY FILTERS.
2. UNITS SHALL HAVE SINGLE POINT ELECTRICAL CONNECTION.
3. ALL UNITS MUST HAVE HUMIDITY CONTROL CAPABILITIES.

PLAN MARK	NOMINAL TONS	TOTAL CFM	O/A CFM	FAN DATA		COOLING COIL DATA		HEATING ELECTRIC		ELECTRIC				REMARKS
				EXT. S.P. IN. W.C.	H.P.	TOTAL MBH	SENSIBLE MBH	KW	NUMBER OF STAGES	TOTAL MBH	MIN AMP	MAX FUSE	ELECTRIC SERVICE	
AHU-1	10.0	4000	400	1.0	2	120	86.4	30.0	2	86.4	49.1	50	480-3-60	DAIKIN DAQ 1204 OR APPROVED EQUAL
AHU-2	7.5	3000	300	1.0	2	90	66.9	20.0	2	68.2	34.6	35	480-3-60	DAIKIN DAQ 0904 OR APPROVED EQUAL
AHU-3	4.0	1600	160	0.50	3/4	48	38.4	15.0	1	38.4	72.1	80	208-3-60	DAIKIN ASPT48CU1300 OR APPROVED EQUAL

CONDENSING UNIT SCHEDULE (CU)

1. LOW AMBIENT TO 30°F.
2. ALL CONDENSING UNITS SHALL BE MOUNTED ON PLATFORMS, RE: ARCHITECTURAL.
3. UNIT SHALL HAVE SINGLE POINT ELECTRICAL CONNECTION.
4. REFRIGERANT LINES SHALL BE SIZED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
5. CU-1 AND CU-2 SHALL BE 2 STAGE.

PLAN MARK	TONS OF REFR.	COMPRESSOR MOTOR DATA:							CONDENSER DATA:						MINIMUM CIRCUIT AMPACITY	MAXIMUM FUSE SIZE	REMARKS
		NO. REQ'D.	R.L.A.	TYPE REFR.	SUCT. TEMP.	TOTAL M.B.H.	VOLTS	PH. / HZ.	AMBIENT TEMP.	COND. TEMP.	NO. OF FANS	H.P. EACH	VOLTS	PH. / HZ.			
CU-1	10.0	1	7.7	R-32	47	120	480	3 / 60	95	120	1	1	480	3 / 60	20.8	25	DAIKIN DC6TE1204A OR APPROVED EQUAL
CU-2	7.5	1	6.4	R-32	47	90	480	3 / 60	95	120	1	1	480	3 / 60	17.9	20	DAIKIN DC6TE0904A OR APPROVED EQUAL
CU-3	4.0	1	12.2	R-32	47	48	208	3 / 60	95	120	1	1/4	208	3 / 60	16.6	25	DAIKIN DC3SEA4830A OR APPROVED EQUAL

MINI AIR HANDLING UNIT SCHEDULE

1. CONDENSATE PIPING FROM PUMP SHALL BE INSULATED AND FED TO NEAREST PLUMBING VENT, PROVIDE P-TRAP.
2. CONTRACTOR SHALL VERIFY VOLTAGE REQUIREMENTS WITH ELECTRICAL PRIOR TO ORDERING.
3. CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR ANY NECESSARY PLUMBING REQUIREMENTS AND SHALL PROVIDE AND INSTALL AS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEM.
4. CONTRACTOR SHALL MOUNT ALL MINI AHU'S ON WALL ABOVE DOOR, TYPICAL.
5. PROVIDE CONDENSATE PUMP, TYPICAL ALL UNITS.

PLAN MARK	SERVICE	TYPE	COOLING / HEATING MIN-MAX BTUH	FAN MOTOR OUTPUT W	WEIGHT LBS	MANUFACTURER
CRAC-1	UNISEX 106	WALL MOUNTED	4,400-11,200 /4,400-14,300	22 WATTS	20	DAIKIN FTXF09AXVJU OR APPROVED EQUAL
CRAC-2	IT 217	WALL MOUNTED	4,400-11,200 COOLING ONLY	22 WATTS	20	DAIKIN FTKF09AXVJU OR APPROVED EQUAL

HEAT PUMP SCHEDULE

1. PROVIDE LOW AMBIENT KIT DOWN TO 14°F, INVERTER COMPRESSOR
2. CONFIRM ALL VOLTAGES WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING
3. ALL AIR COOLED CONDENSER CAPACITIES FOR 95 DEG. F AMB.
4. ALL CONDENSING UNITS SHALL BE MOUNTED ON PLATFORMS, RE: ARCHITECTURAL.

PLAN MARK	SERVICE	REFRIGERANT TYPE	TYPE	COOLING/HEATING	COMPRESSOR TYPE	FAN MOTOR F.L.A.	MOCP A	MCA	ELECTRIC SERVICE	MANUFACTURER
CRCU-1	UNISEX 106	R-32	HEAT PUMP	10,200/13,000 BTUH	SWING	0.33	9.3	15	208-240/1/60	DAIKIN RX09FAXVJU OR APPROVED EQUAL
CRCU-2	IT 217	R-410A	COOL ONLY	10,200 BTUH COOLING ONLY	SWING	0.33	9.1	15	208-240/1/60	DAIKIN RK09AXVJU OR APPROVED EQUAL

EXHAUST FAN SCHEDULE (EF)

1. PROVIDE BACKDRAFT DAMPER ON DISCHARGE OF FAN.
2. PROVIDE SOLID STATE SPEED CONTROLLER, CONTROLLER MUST BE ACCESSIBLE FROM FACE OF FAN.
3. CONTRACTOR SHALL INSTALL ALL EXTERIOR EXHAUST LOUVERS AS TO MAINTAIN A MINIMUM OF 15'-0" CLEAR FROM ANY FRESH/OUTSIDE AIR INTAKE. NO EXCEPTIONS.
4. EXACT MOUNTING HEIGHT, COLOR AND LOCATION OF ALL EXTERIOR EXHAUST LOUVERS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
5. ALL EXHAUST FANS SHALL BE INTERLOCKED WITH LIGHTS.
6. ALL FANS SHALL HAVE ECM MOTORS.

PLAN MARK	TOTAL CFM	S.P. LOSS IN. W.C.	HORSEPOWER OR WATTS	FAN RPM	MOTOR RPM	DRIVE TYPE	MAXIMUM SONES	ELECTRIC SERVICE	MANUFACTURER & MODEL NUMBER
EF-1	125	0.5	125 WATTS	1050	N/A	DIRECT	3.5	115/1/60	TWIN CITY OR GREENHECK SP SERIES APPROVED EQUAL
EF-2	150	0.5	125 WATTS	1050	N/A	DIRECT	3.5	115/1/60	TWIN CITY OR GREENHECK SP SERIES APPROVED EQUAL
EF-3,4,5	75	0.5	125 WATTS	950	N/A	DIRECT	0.8	115/1/60	TWIN CITY OR GREENHECK SP SERIES APPROVED EQUAL

DIFFUSER SCHEDULE

NOTES:

1. CONTRACTOR SHALL COORDINATE LOCATION OF DIFF W/ ARCHITECTURAL REFLECTIVE CEILING PLAN TO AVOID ANY CONFLICTS W/ LIGHTS, AUDIO EQUIPMENT AND OTHER CEILING APPURTENANCE.
2. CONTRACTOR TO PROVIDE ALL TRANSITIONS NECESSARY TO ACCOMMODATE GRILLE CONNECTION.

SYM.	CFM RANGE	FACE SIZE	NECK SIZE	MATERIAL	FINISH/ COLOR	REMARKS
AA	0-70	12x12	6"dia	ALUMINUM	WHITE	TITUS TMSA-AA, PRICE ASCDA, SQUARE CEILING DIFF
A	0-120	24x24	6"dia	ALUMINUM	WHITE	TITUS TMSA-AA, PRICE ASCDA, SQUARE CEILING DIFF
B	120-230	24x24	8"dia	ALUMINUM	WHITE	TITUS TMSA-AA, PRICE ASCDA, SQUARE CEILING DIFF
C	230-320	24x24	10"dia	ALUMINUM	WHITE	TITUS TMSA-AA, PRICE ASCDA, SQUARE CEILING DIFF
D	325-600	24x24	12"dia	ALUMINUM	WHITE	TITUS TMSA-AA, PRICE ASCDA, SQUARE CEILING DIFF
E	600-850	24x24	14"dia	ALUMINUM	WHITE	TITUS TMSA-AA, PRICE ASCDA, SQUARE CEILING DIFF

GENERAL NOTES:

1. ALL HVAC WORK SHALL BE IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES.
2. SHOP DRAWINGS FOR ALL DUCTWORK AND HVAC EQUIPMENT MUST BE APPROVED BY THE ARCHITECT AND ENGINEER BEFORE FINAL PRODUCTION. THE CONTRACTOR SHALL PROVIDE FULL DUCTWORK SHOP DRAWINGS PRIOR TO ORDERING.
3. CONTRACTOR MUST SUBMIT COORDINATION SHOP DRAWINGS. ALL STRUCTURAL, PLUMBING, DUCTWORK, SPRINKLER ETC. SHALL BE SHOWN. ANY CONFLICTS MUST BE CLOUDED AND BROUGHT TO THE ARCHITECTS ATTENTION FOR RESOLUTION PRIOR TO ORDERING ANY MATERIAL. NO EXCEPTIONS GIVEN.
4. A FULL TEST AND BALANCE REPORT IS REQUIRED AND SHALL BE SUBMITTED TO THE ARCHITECT AS A PART OF THE CLOSEOUT DOCUMENTS.
5. CONTRACTOR SHALL FIRE CAULK ALL FIRE WALL AND FLOOR PENETRATIONS.
6. COORDINATE DUCTWORK WITH ELECTRICAL WIRE TRAYS AND LIGHTS, PLUMBING, STRUCTURE AND CEILING GRID PRIOR TO ORDERING OR BEGINNING WORK. NO CHANGE ORDERS WILL BE GIVEN.
7. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS ON ALL MECHANICAL PLATFORMS WHICH SHALL INCLUDE CLEARANCES FOR MAINTENANCE OF FILTERS, ETC. AND ALL LADDER ACCESSES. THIS INCLUDES UNITS LOCATED IN CEILING SPACES AS WELL PRIOR TO ORDERING OR BEGINNING ANY WORK.
8. ALL SMOKE DAMPERS SHALL BE 120V AND THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
9. ALL MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH ELECTRICAL PRIOR TO ORDERING. ANY CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO ORDERING. NO EXCEPTIONS GIVEN.
10. THE TOPS OF ALL EQUIPMENT CURBS, HOUSEKEEPING PADS AND PLATFORMS SHALL BE LEVEL.
11. ALL EQUIPMENT HOUSEKEEPING PADS SHALL BE A MINIMUM 4" HIGH, MINIMUM 6" ALL AROUND UNIT, ALL CORNERS CHAMFERED, AND ALL EXPOSED-TO-VIEW SURFACES DRESSED SMOOTH.
12. ALL EQUIPMENT LABELING/IDENTIFICATION SHALL BE LEGIBLE AND SHALL BE MECHANICALLY SECURED TO THE EQUIPMENT WITH NON-CORRODING FASTENERS.
13. ALL WALL-APPLIED ITEMS (SUCH AS, BUT NOT NECESSARILY LIMITED TO THERMOSTATS, ANNUNCIATORS, AND DETECTORS) SHALL BE INSTALLED PLUMB, LEVEL, AND IN THE LOCATIONS DESIGNATED ON THE CONTRACT DRAWINGS. ALL DEVICE COVERS AND TRIM SHALL FIT SNUGLY TO WALL SURFACES ON ALL SIDES. IF THE CONTRACT DOCUMENTS HAVE OVERLOOKED SPECIFIC LOCATIONS FOR SOME ITEMS, THEN THE CONTRACTOR SHALL OBTAIN CLARIFICATION AND DIRECTION FROM THE ARCHITECT PRIOR TO INSTALLATION OF THESE ITEMS.
14. CRAC UNIT CONDENSATE DRAIN PIPING SHALL HAVE P-TRAPS WITH AIR VENT, ROUTED AWAY FROM UNITS 12" FROM TRAP. ROUTE COPPER CONDENSATE LINE TO NEAREST PLUMBING VENT ABOVE CEILING, PROVIDE P-TRAP AND INDIRECTLY DRAIN TO TRAP. CONTRACTOR TO INSULATE CONDENSATE DRAIN LINE AND HORIZONTAL DRAIN LINE THE CONDENSATE IS TIED INTO.
15. PROVIDE ADDITIONAL SUSPENDED SUPPORTS AS MAY BE NECESSARY TO PREVENT FLEXIBLE DUCTWORK FROM CONTACTING THE CEILING MATERIAL AND/OR THE CEILING FRAMING/GRID ASSEMBLY.
16. CONTRACTOR SHALL INSTALL ALL EXHAUST LOUVERS AS TO MAINTAIN A MINIMUM OF 15'-0" CLEAR FROM ANY FRESH/OUTSIDE AIR INTAKE. NO EXCEPTIONS.
17. MECHANICAL CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BIDDING, ORDERING AND INSTALLATION. THIS SHALL INCLUDE STRUCTURAL, ELECTRICAL, MECHANICAL, ARCHITECTURAL AND CIVIL. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL PLUMBING WORK WITH OTHER DISCIPLINES PRIOR TO ORDERING AND INSTALLING AND SHALL BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES OR CONFLICTS FOR RESOLUTION PRIOR TO ORDERING OR BEGINNING ANY WORK. NO CHANGE ORDERS SHALL BE GIVEN.
18. THE SUBMISSION OF PROPOSAL BY THE CONTRACTOR WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE ENTIRE CONSTRUCTION PLANS & BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS & LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED DUE TO EXISTING JOBSITE CONDITIONS WILL NOT BE RECOGNIZED HAD PROPER EXAMINATION BEEN MADE.
19. CONTRACTOR SHALL VERIFY ALL VOLTAGE REQUIREMENTS NECESSARY FOR ALL AIR HANDLING UNITS PRIOR TO ORDERING. NO CHANGE ORDER SHALL BE GIVEN FOR THIS ITEM.
20. ALL AIR HANDLING UNITS SHALL HAVE MANUAL BALANCING DAMPER AND MOTORIZED CONTROL DAMPER IN OUTSIDE AIR DUCTS OF EACH UNIT. CONTRACTOR TO COORDINATE POWER WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING. POWER SHALL BE INCLUDED IN PROJECT.
21. HVAC SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 101:9.2.1.
22. CONTRACTOR SHALL INSTALL SMOKE DETECTORS TO AUTOMATICALLY STOP THE FAN IN HVAC DUCT SYSTEMS OVER 2000 CFM IN ACCORDANCE WITH NFPA 90A:6.4.2.(1).

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5	CDS - ISSUED FOR BID	09/25/25
4	CDS - ISSUDE FOR APPROVAL	05/15/25
3	CDS - ISSUED FOR APPROVAL	04/21/25
2	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
HVAC SCHEDULES

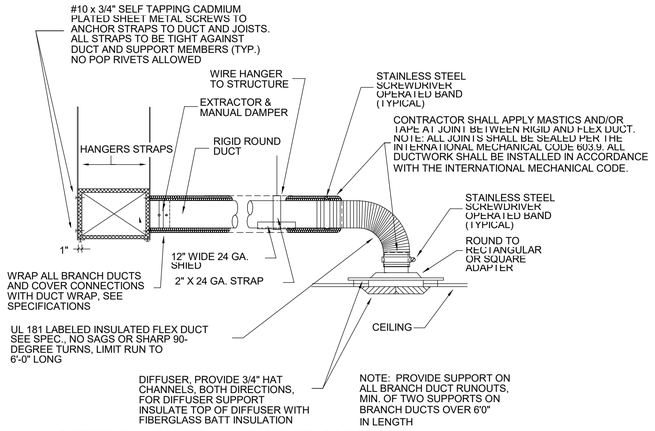
Seal: STATE OF LOUISIANA · FRANK S. THOMPSON · 28854 · PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

State Proj. #
19-674-19-01, F.19002314

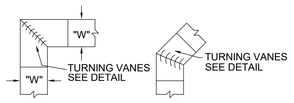
Site ID #	3-55-003	Project No.	2020-23
State ID #	XXXXX	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

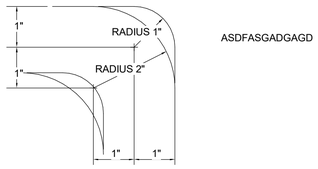
Date 09/25/25

M200

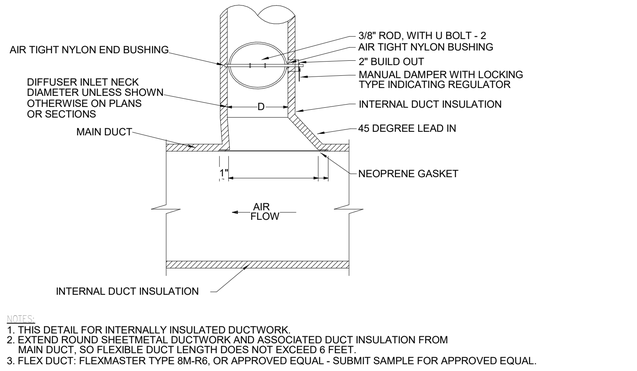


1 DETAIL - DIFFUSER CONNECTION
NTS



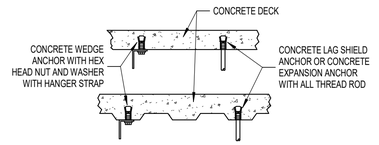


2 DETAIL - DUCT LAYOUT
NTS

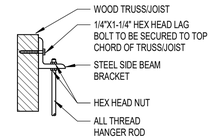


NOTES:
1. THIS DETAIL FOR INTERNALLY INSULATED DUCTWORK.
2. EXTEND ROUND SHEETMETAL DUCTWORK AND ASSOCIATED DUCT INSULATION FROM MAIN DUCT, SO FLEXIBLE DUCT LENGTH DOES NOT EXCEED 6 FEET.
3. FLEX DUCT: FLEXMASTER TYPE 8M-R6, OR APPROVED EQUAL - SUBMIT SAMPLE FOR APPROVED EQUAL.

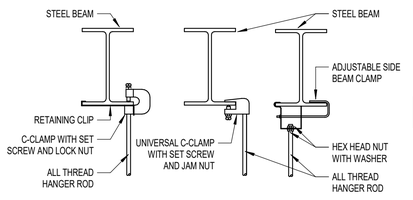
3 DETAIL - EXTRACTOR & MANUAL DAMPER
NTS



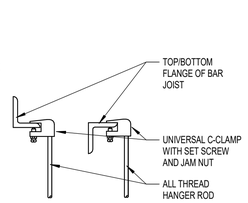
CONCRETE DECK ANCHORS



WOOD ANCHORS

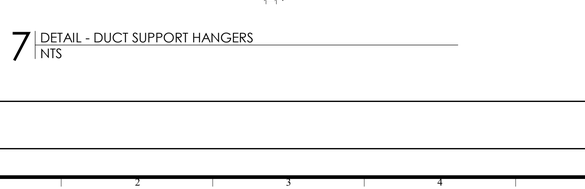


I-BEAM ANCHORS

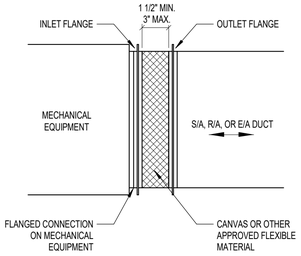


BAR JOIST ANCHORS

6 DETAIL - DUCT/PIPE HANGER ANCHORS
NTS



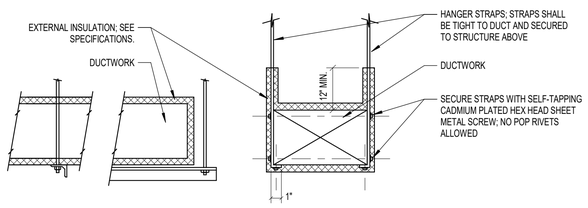
4 DETAIL - CABINET EXHAUST FAN
NTS



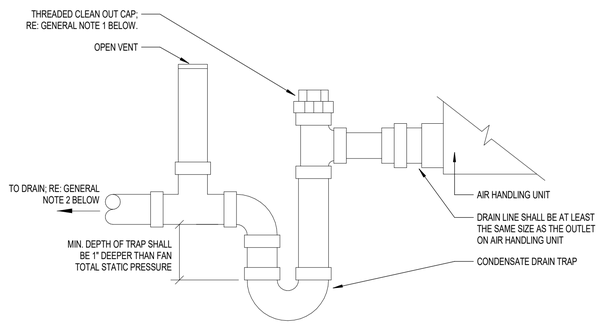
GENERAL NOTES:
1. FLEX CONNECTION SHALL BE FURNISHED AND INSTALLED ON ALL INLETS AND OUTLETS OF AIR HANDLING UNITS AND FANS.
2. FLEX CONNECTION SHALL BE SAME SIZE AS INLET/OUTLET OF EQUIPMENT.
3. FLEX CONNECTION SHALL BE PER NFPA-90A WITH 25 OR LESS FLAME SPREAD AND 50 OR LESS SMOKE DEVELOPMENT RATINGS.

5 DETAIL - FLEX CONNECTION
NTS

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

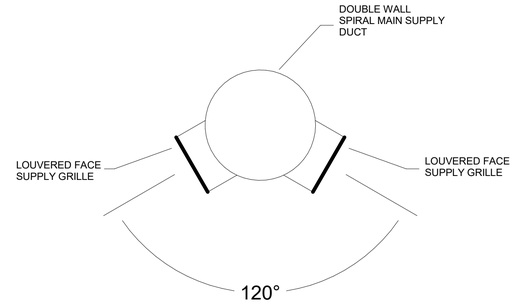


7 DETAIL - DUCT SUPPORT HANGERS
NTS



GENERAL NOTES:
1. INSTALL A CLEANOUT AT EVERY CHANGE IN DIRECTION GREATER THAN 45° AND AT A MAXIMUM OF 25' INTERVALS.
2. PITCH CONDENSATE DRAIN DOWN TOWARD DRAIN AT A MINIMUM OF 1/8" PER FOOT.
3. CONDENSATE DRAIN TO BE HARD DRAWN TYPE M COPPER.

8 DETAIL - CONDENSATE DRAIN TRAP
NTS



9 DETAIL - EXPOSED SPIRAL DUCT CONFIGURATION
NTS

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E.	CDS - ISSUED FOR BID	09/25/25
D.	CDS - ISSUDE FOR APPROVAL	05/15/25
C.	CDS - ISSUED FOR APPROVAL	04/21/25
B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
HVAC DETAILS

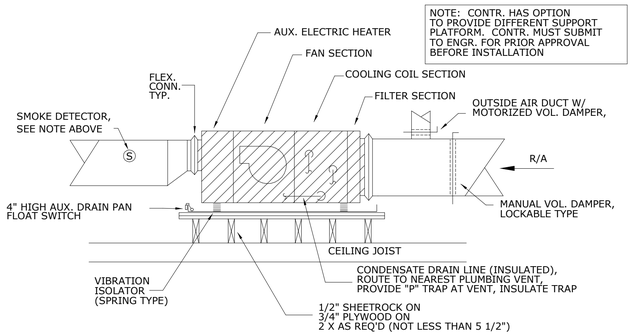
Seal
STATE OF LOUISIANA FRANK S. THOMPSON 25844 PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

State Proj. #
19-674-19-01, F.19002314

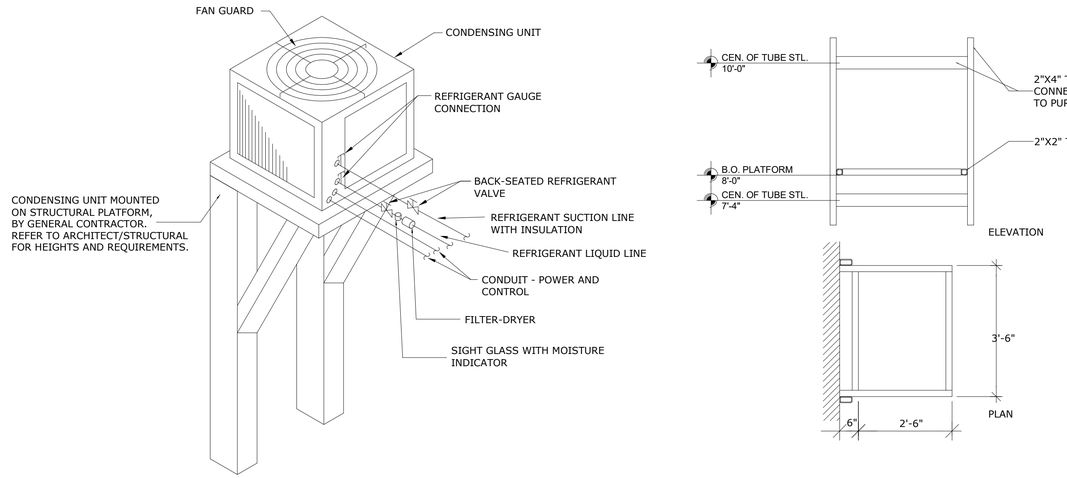
Site ID #	3-55-003	Project No.	2020-23
State ID #	XXXXX	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

Date 09/25/25

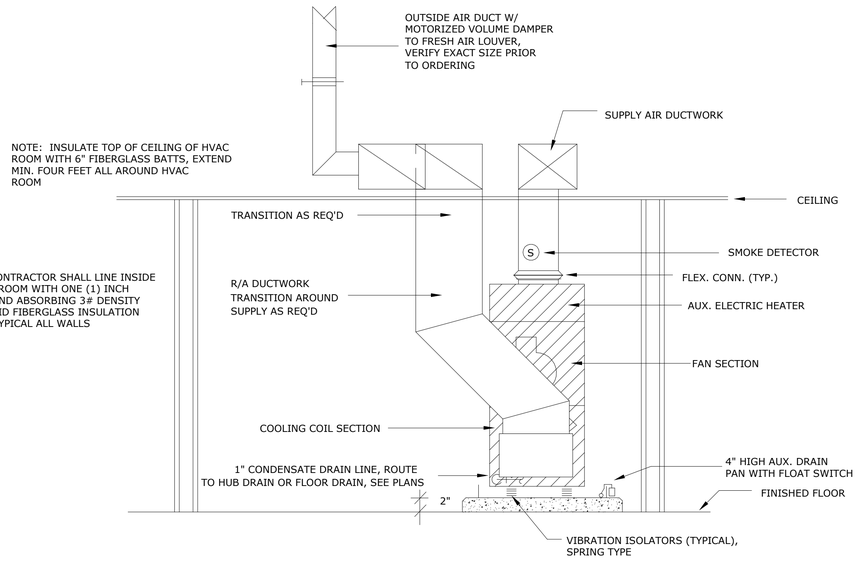
M201



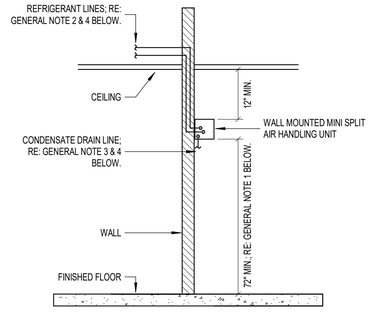
1 DETAIL - AIR HANDLING UNIT, PLATFORM MOUNTED
1/8" = 1'-0"



2 DETAIL - PLATFORM MOUNTED CONDENSING UNIT
NTS



3 DETAIL - VERT. AIR HANDLING UNIT
NTS



GENERAL NOTES:

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

4 DETAIL - WALL MOUNTED MINI AIR HANDLING UNIT
NTS

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

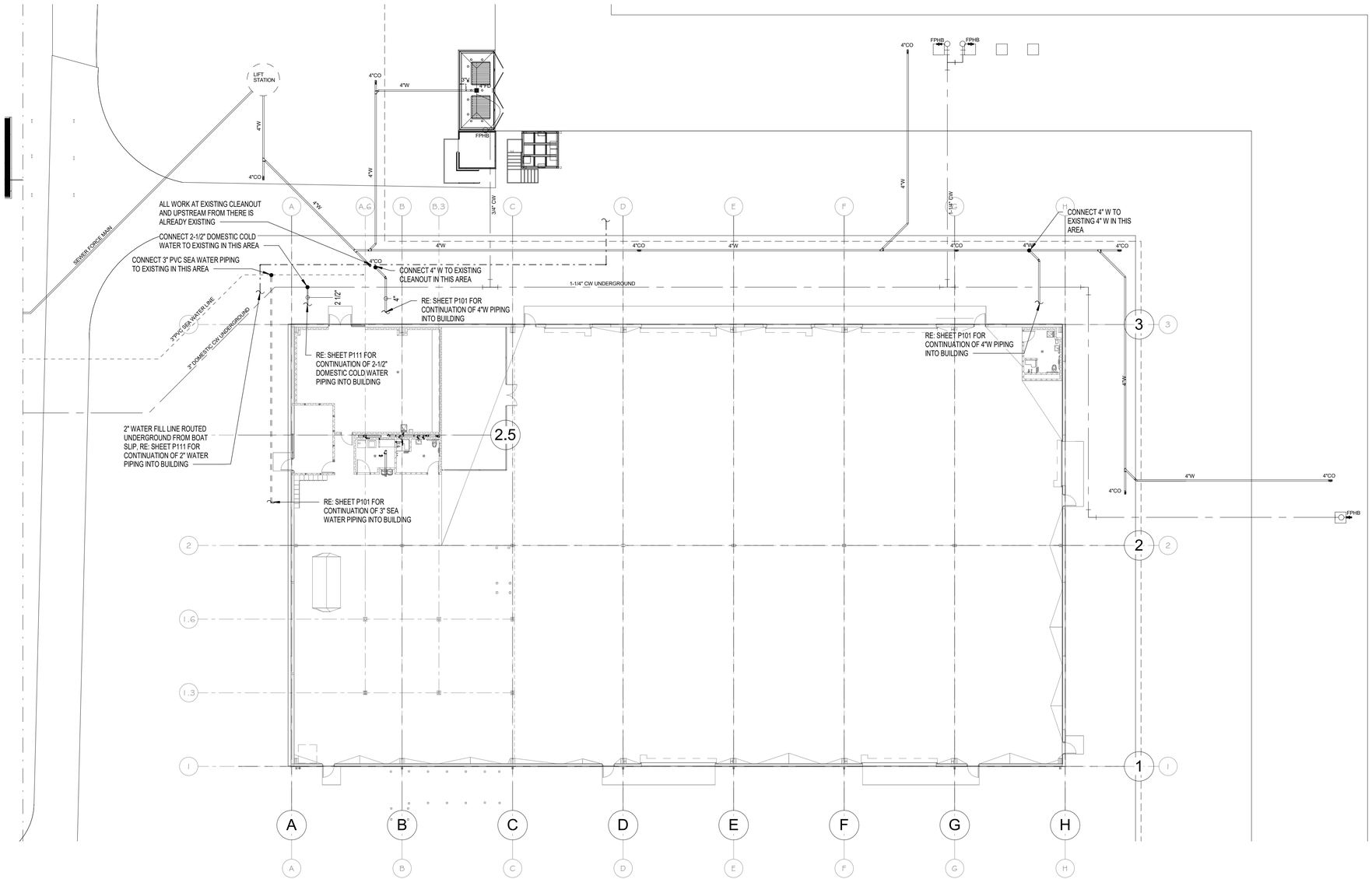
Drawing
HVAC DETAILS

Seal
STATE OF LOUISIANA FRANK SAVILLE THOMPSON 32884 REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # xxxxx File Name LHMC1
PM/PIC FST Drawn By KGV

M202



NORTH

P1 SITE PLUMBING AND UTILITY PLAN

1/16" = 1'-0"

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

No.	Revision/Description	Date
E.	CDS - ISSUED FOR BID	09/25/25
D.	CDS - ISSUDE FOR APPROVAL	05/15/25
C.	CDS - ISSUED FOR APPROVAL	04/21/25
B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
SITE PLUMBING AND UTILITY PLAN

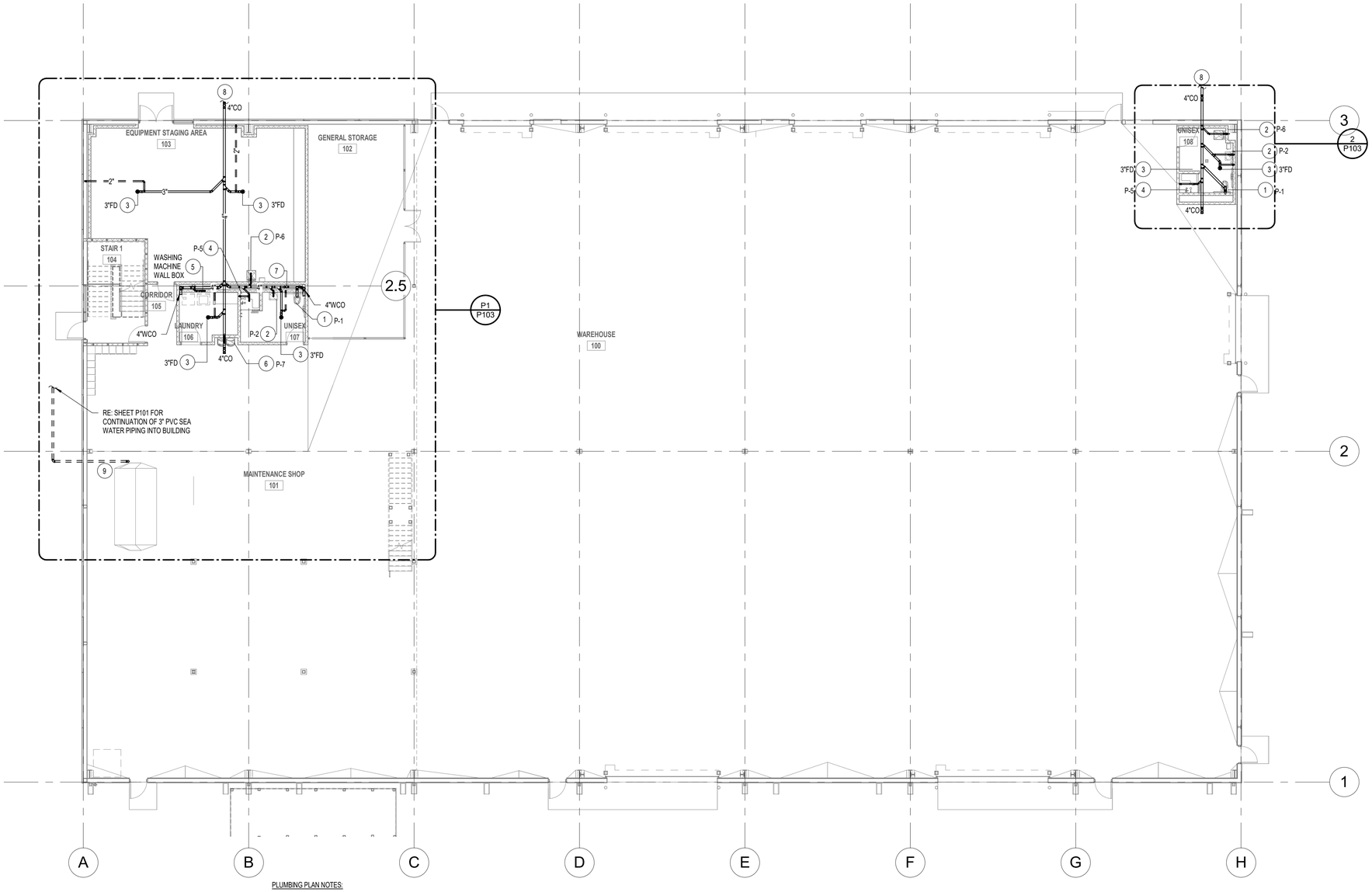
Seal
STATE OF LOUISIANA · FRANK S. THOMPSON · 28854 · REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. #
19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
State ID #	xxxxx	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

P100



PLUMBING PLAN NOTES:

1. 4"W, 3"V TO SERVE WATER CLOSET.
2. 2"W, 2"V TO SERVE LAVATORY.
3. 3"W, 2"V TO SERVE 3"FD.
4. 2"W, 2"V, 2"SD TO SERVE SHOWER.
5. 2"W, 2"V TO SERVE WASHING MACHINE WALL BOX.
6. 2"W, 2"V TO SERVE BI-LEVEL WATER COOLER/BOTTLE FILLER.
7. CONTRACTOR SHALL ROUTE NEW 4"W UP IN THIS AREA UP TO SECOND FLOOR ABOVE. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
8. CONTRACTOR SHALL REFER TO SHEET P100 FOR CONTINUATION.
9. ROUTE 3" PVC SEA WATER LINE UNDERGROUND / SLAB AND UP IN THIS AREA TO TANK IN THIS AREA. VERIFY EXACT LOCATION OF TANK PRIOR TO ANY BEGINNING ANY WORK AND ADJUST LOCATION AS REQUIRED TO ACCOMMODATE. PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.

NORTH

0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

P1 FIRST FLOOR PLUMBING PLAN

3/32" = 1'-0"

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
FIRST FLOOR PLUMBING PLAN

Seal
STATE OF LOUISIANA
FRANK S. THOMPSON
#28854
REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. #
19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
State ID #	XXXXX	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

P101

PLUMBING PLAN NOTES:

1. 4"W, 3"V TO SERVE WATER CLOSET.
2. 2"W, 2"V TO SERVE LAVATORY.
3. 3"W, 2"V TO SERVE 3"FD.
4. 2"W, 2"V, 2"SD TO SERVE SHOWER.
5. 2"W, 2"V TO 2" HUB DRAIN (HD) ABOVE CEILING TO SERVE CRAC UNIT CONDENSATE.
6. CONTRACTOR SHALL ROUTE NEW 4"W UP IN THIS AREA FROM FIRST FLOOR. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
7. 2"W, 2"V TO SERVE BI-LEVEL WATER COOLER/BOTTLE FILLER.

NORTH

SCALE: 3/32" = 1' - 0"

P1 MEZZANINE PLUMBING PLAN

3/32" = 1'-0"

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

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B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
MEZZANINE PLUMBING PLAN

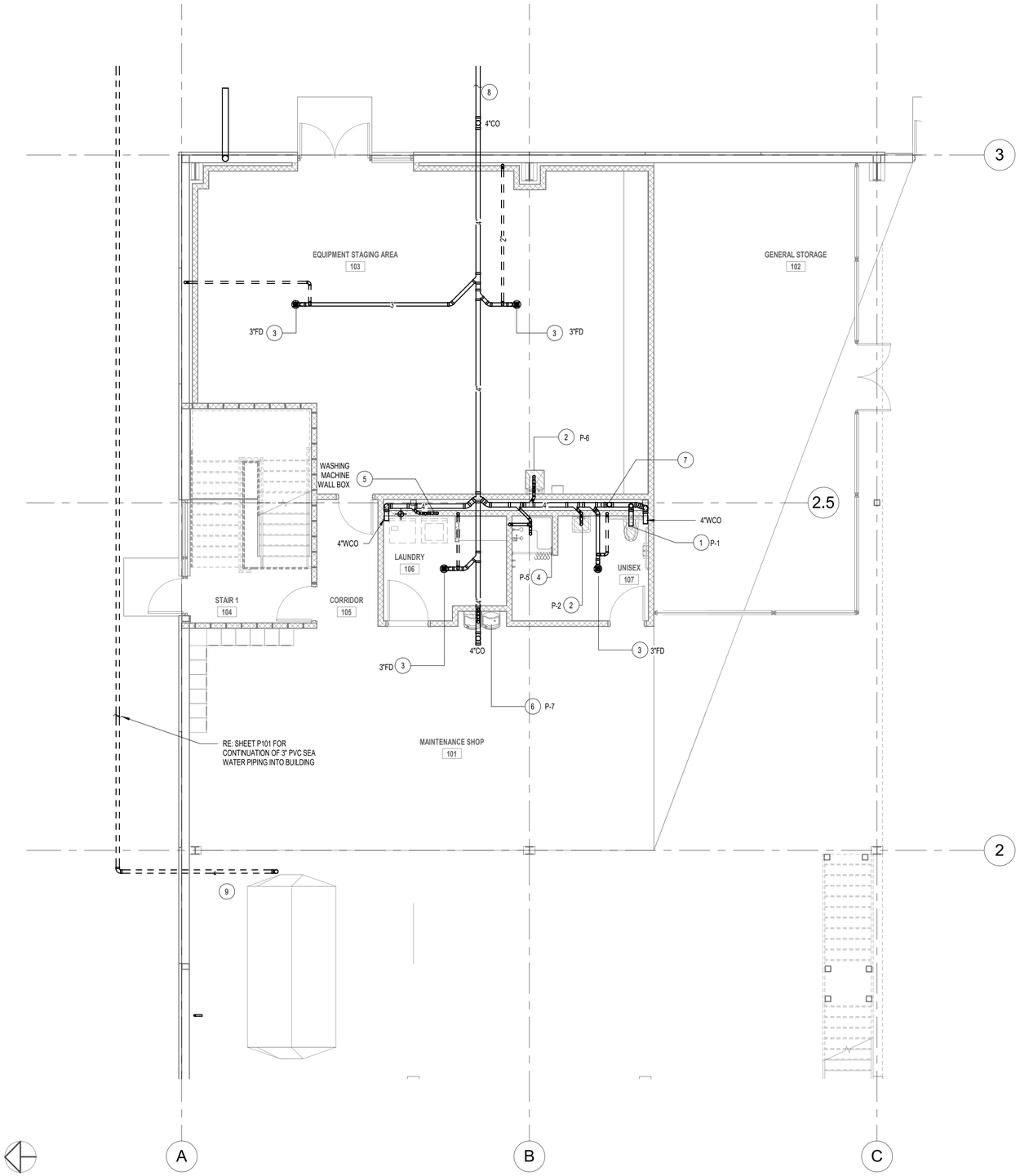
Seal
STATE OF LOUISIANA
FRANK SAVILLE THOMPSON
28854
REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

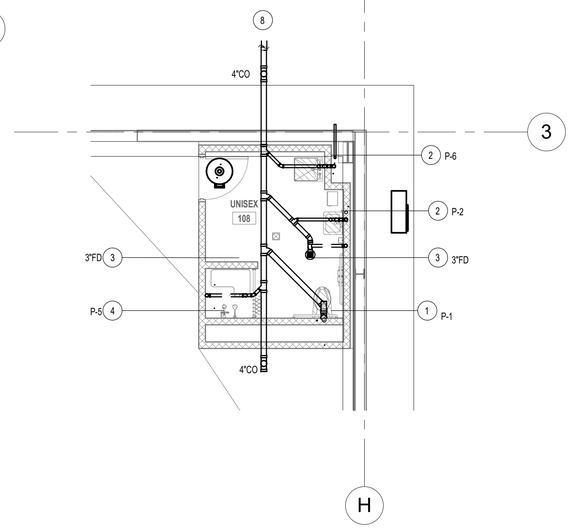
Date 09/25/25

State Proj. #
19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
State ID #	xxxxx	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

P102





2	FIRST FLOOR PLUMBING PLAN - TOILET 108
3/16" = 1'-0"	RE: P1 / P101

PLUMBING PLAN NOTES:

1. 4"W, 3"V TO SERVE WATER CLOSET.
2. 2"W, 2"V TO SERVE LAVATORY.
3. 3"W, 2"V TO SERVE 3"FD.
4. 2"W, 2"V, 2"SD TO SERVE SHOWER.
5. 2"W, 2"V TO SERVE WASHING MACHINE WALL BOX.
6. 2"W, 2"V TO SERVE BI-LEVEL WATER COOLER/BOTTLE FILLER.
7. CONTRACTOR SHALL ROUTE NEW 4"W UP IN THIS AREA UP TO SECOND FLOOR ABOVE. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
8. CONTRACTOR SHALL REFER TO SHEET P100 FOR CONTINUATION.
9. ROUTE 3" PVC SEA WATER LINE UNDERGROUND / SLAB AND UP IN THIS AREA TO TANK IN THIS AREA. VERIFY EXACT LOCATION OF TANK PRIOR TO ANY BEGINNING ANY WORK AND ADJUST LOCATION AS REQUIRED TO ACCOMMODATE. PROVIDE SHUT OFF VALVE IN ACCESSIBLE LOCATION.

P1	PARTIAL ENLARGED FIRST FLOOR PLUMBING PLAN
3/16" = 1'-0"	RE: P1 / P101

THOMPSON LUKE & ASSOCIATES, L.L.C.
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(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

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E.	CDS - ISSUED FOR BID	09/25/25
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B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing ENLARGED FIRST FLOOR PLUMBING PLANS

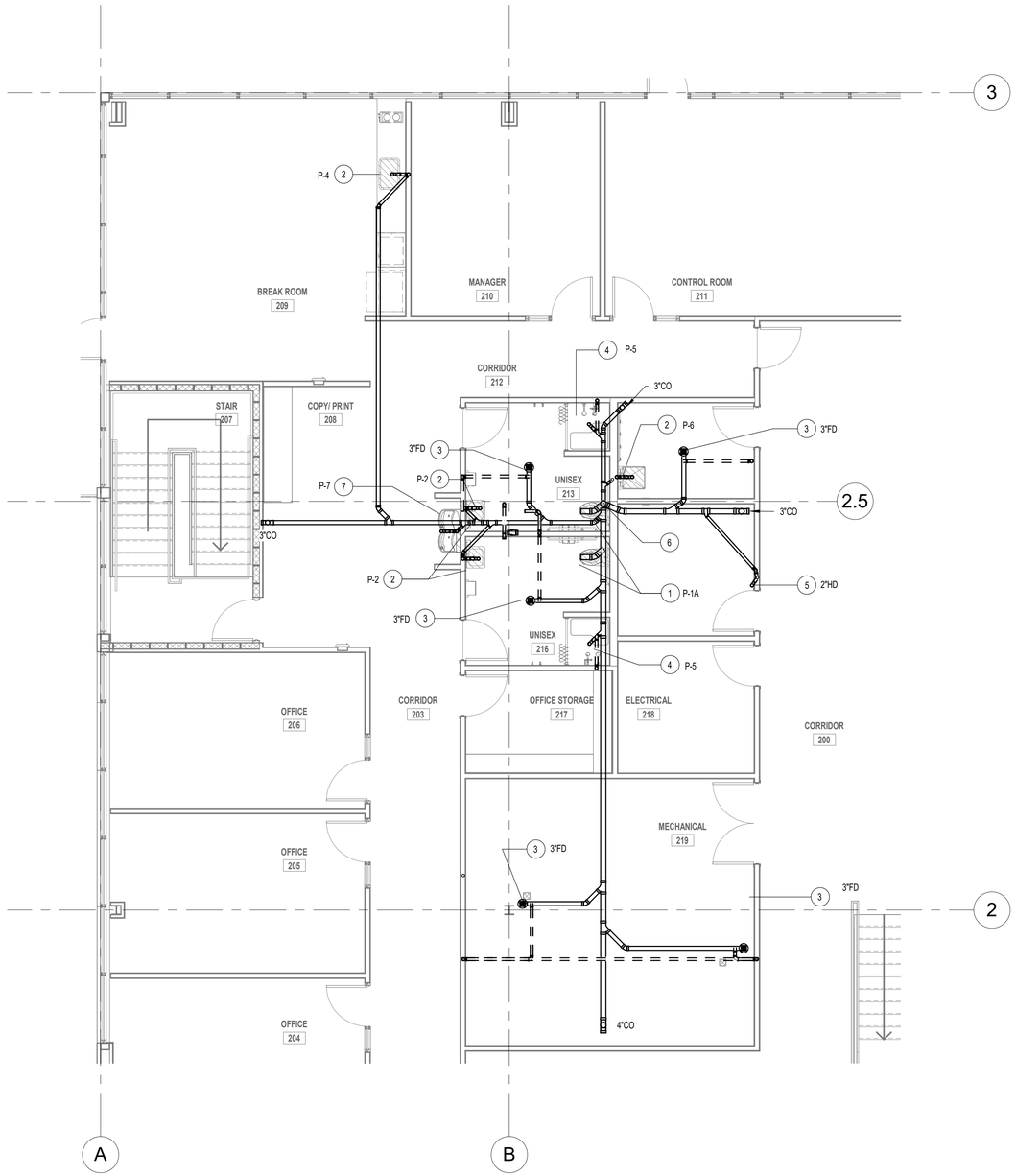
Seal STATE OF LOUISIANA FRANCIS THOMPSON 28854 PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
State ID #	XXXX	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

P103



PLUMBING PLAN NOTES:

1. 4"W, 3"V TO SERVE WATER CLOSET.
2. 2"W, 2"V TO SERVE LAVATORY.
3. 3"W, 2"V TO SERVE 3"FD.
4. 2"W, 2"V, 2"SD TO SERVE SHOWER.
5. 2"W, 2"V TO 2" HUB DRAIN (HD) ABOVE CEILING TO SERVE CRAC UNIT CONDENSATE.
6. CONTRACTOR SHALL ROUTE NEW 4"W UP IN THIS AREA FROM FIRST FLOOR. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
7. 2"W, 2"V TO SERVE BI-LEVEL WATER COOLER/BOTTLE FILLER.

NORTH

P1 ENLARGED MEZZANINE PLUMBING PLAN

3/16" = 1'-0" RE: P1 / P102

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

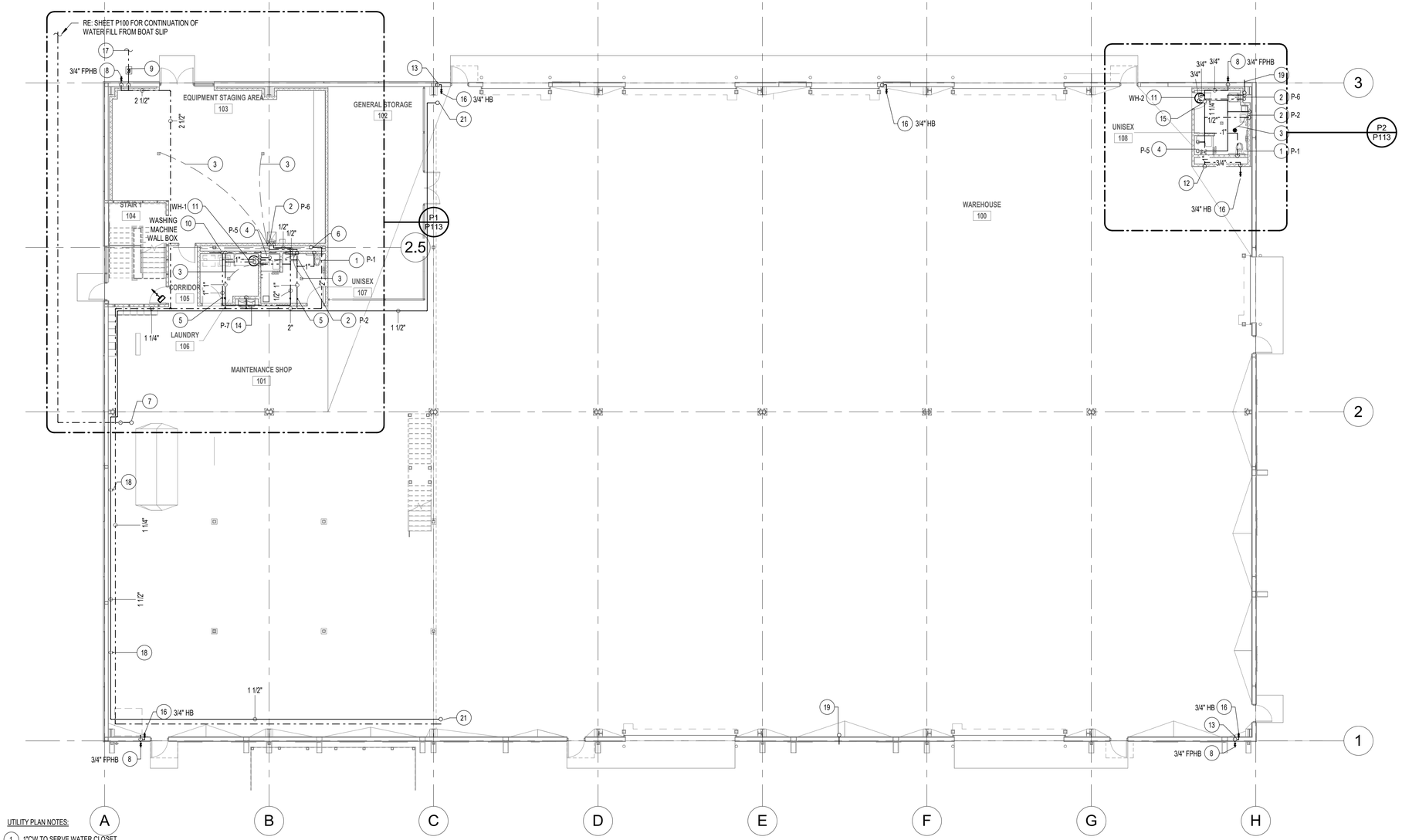
Drawing ENLARGED MEZZANINE PLUMBING PLAN

Seal STATE OF LOUISIANA · FRANK S. THOMPSON · 28854 · PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # xxxxx File Name LHMC1
PM/PIC FST Drawn By KGV

P104



UTILITY PLAN NOTES:

1. 1"CW TO SERVE WATER CLOSET.
2. 1/2" H&CW TO SERVE LAVATORY.
3. 1/2" TRAP PRIMER TO SERVE 3"FD.
4. 1/2" H&CW TO SERVE SHOWER. VERIFY EXACT LOCATION OF SHOWER CONTROLS WITH ARCHITECTURAL PLANS AND ADJUST PIPING AS REQUIRED TO ACCOMMODATE LOCATION.
5. SHUT OFF VALVE ABOVE CEILING IN DOMESTIC WATER LINES, PROVIDE LABEL ON CEILING.
6. CONTRACTOR SHALL ROUTE NEW 2"CW UP IN THIS AREA UP TO SECOND FLOOR. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
7. ROUTE 2" WATER LINE UNDERGROUND / SLAB AND UP IN THIS AREA TO OWNER PROVIDED INLINE PUMP IN THIS AREA. ROUTE 2" WATER LINE FROM PUMP TO TANK AND PROVIDE SHUT OFF VALVE AND BFP IN ACCESSIBLE LOCATION. VERIFY EXACT LOCATION OF TANK PRIOR TO ANY BEGINNING ANY WORK AND ADJUST LOCATION AS REQUIRED TO ACCOMMODATE.
8. 3/4" CW LINE TO FREEZEPROOF HOSE BIBB. PROVIDE SHUT OFF VALVE AND BFP IN ACCESSIBLE LOCATION.
9. SHUT OFF VALVE IN CAST IRON BOX LABELED "WATER".
10. 1/2" H&CW TO WASHING MACHINE WALL BOX.
11. 40 GALLON LOW BOY ELECTRIC TANK TYPE WATER HEATER WITH DRAIN PAN AND T&P MOUNTED HIGH ON WALL ABOVE WASHER AND DRYER. PROVIDE 1" PVC DRAIN LINE, INDIRECTLY DRAINED TO NEAREST PLUMBING VENT WITH P-TRAP, MAINTAIN 2" AIR GAP. PROVIDE TMV.
12. CONTRACTOR SHALL ROUTE NEW 3/4" CW DOWN IN THIS AREA FROM HIGH ABOVE. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE. THIS PIPING SHALL BE ROUTED DOWN ALONG INSIDE EXTERIOR WALL TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. SEE NOTE NO. 13, THIS SHEET.
13. CONTRACTOR SHALL ROUTE NEW 3/4" CW DOWN IN THIS AREA FROM HIGH ABOVE TO SERVE THE FREEZEPROOF HOSE BIBB. RE: SHEET P112 FOR CONTINUATION.
14. 1/2" CW TO WATER COOLER/BOTTLE FILLER.
15. CONTRACTOR SHALL ROUTE NEW 1-1/4" CW DOWN IN THIS AREA WITH ACCESSIBLE ISOLATION VALVE FROM HIGH ABOVE. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE. THIS PIPING SHALL BE ROUTED DOWN ALONG INSIDE EXTERIOR WALL TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. RE: SHEET P112 FOR CONTINUATION.
16. 3/4" CW LINE TO INTERIOR HOSE BIBB. PROVIDE SHUT OFF VALVE AND BFP IN ACCESSIBLE LOCATION.
17. CONTRACTOR SHALL REFER TO SHEET P100 FOR CONTINUATION.
18. COMPRESSED AIR LINE ROUTED EXPOSED AND SECURED DOWN WALL, PROVIDE QUICK DISCONNECT AND VERIFY EXACT MOUNTING LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN. PROVIDE SHUT OFF VALVE IN COMPRESSED AIR LINE.
19. 1" COMPRESSED AIR LINE ROUTED DOWN FROM ABOVE IN THIS AREA, EXPOSED AND SECURED DOWN WALL AND THEN PENETRATE THE EXTERIOR WALL, PROVIDE QUICK DISCONNECT AND VERIFY EXACT MOUNTING LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN. PROVIDE SHUT OFF VALVE IN COMPRESSED AIR LINE.
20. ROUTE NEW 1" COMPRESSED AIR LINE FROM OWNER PROVIDED AIR COMPRESSOR/DRYER. RE: ARCHITECTURAL FOR EXACT LOCATION. SIZE AIR LINE IN STRICT ACCORDANCE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS. ADJUST AS NECESSARY TO ACCOMMODATE.
21. ROUTE NEW 1-1/2" COMPRESSED AIR LINE AND 1-1/4" DOMESTIC COLD WATER, SIZED AS SHOWN, UP IN THIS AREA, RE: SHEET P112 FOR CONTINUATION.

GENERAL NOTE:
ANY AND ALL EXPOSED DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS AND COVERED WITH ALUMINUM JACKET.

NORTH
0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

P1 FIRST FLOOR UTILITY PLAN
3/32" = 1'-0"

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

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B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

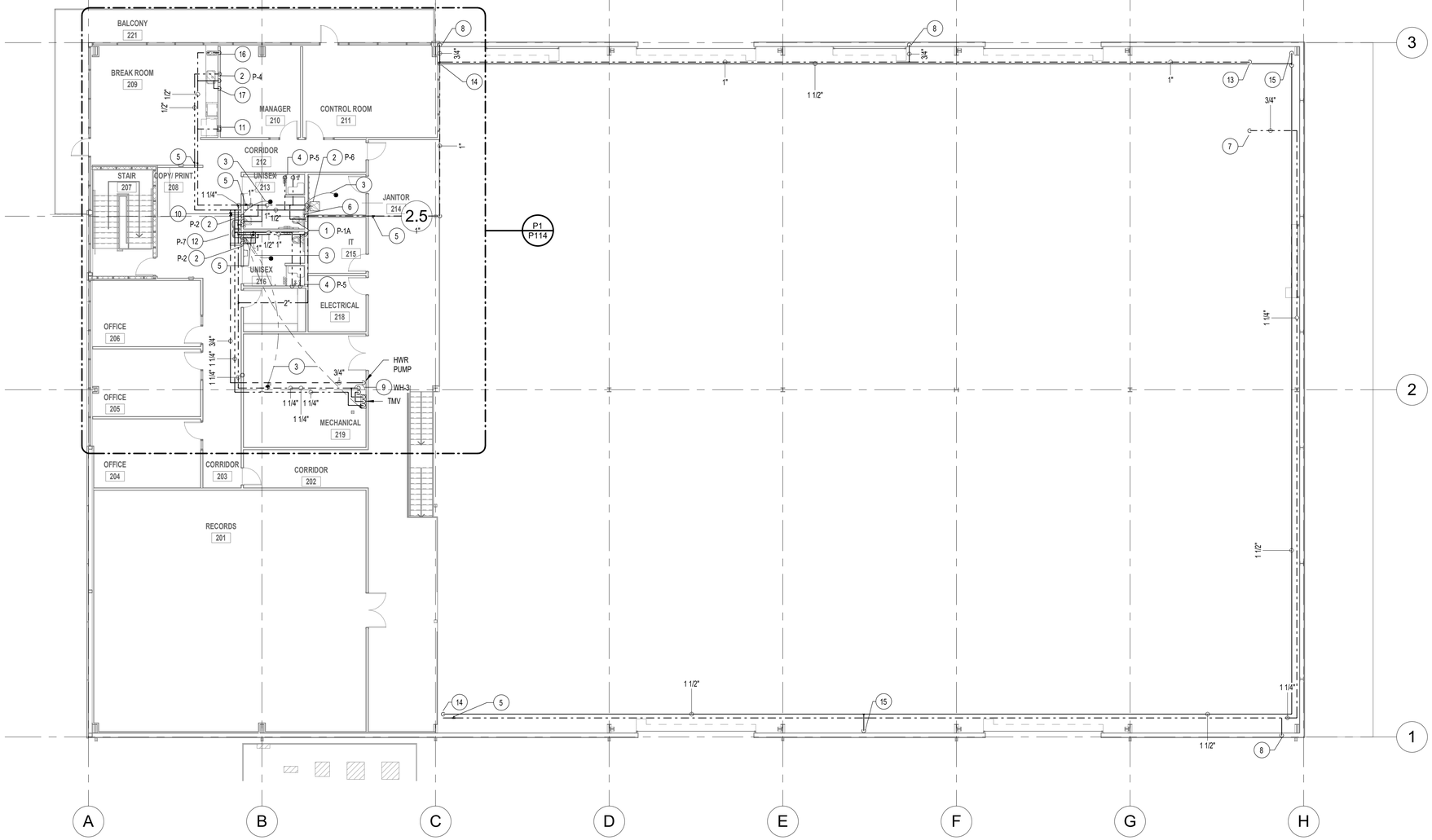
Drawing
FIRST FLOOR UTILITY PLAN

Seal: STATE OF LOUISIANA · FRANK S. THOMPSON · 28854 · PROFESSIONAL ENGINEER IN MECHANICAL ENTERPRISE

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # XXXXX File Name LHMC1
PM/PIC FST Drawn By KGV

P111



UTILITY PLAN NOTES:

1. 1"CW TO SERVE WATER CLOSET.
2. 1/2" H&CW TO SERVE LAVATORY.
3. 1/2" TRAP PRIMER TO SERVE 3"FD.
4. 1/2" H&CW TO SERVE SHOWER. VERIFY EXACT LOCATION OF SHOWER CONTROLS WITH ARCHITECTURAL PLANS AND ADJUST PIPING AS REQUIRED TO ACCOMMODATE LOCATION.
5. SHUT OFF VALVE ABOVE CEILING IN DOMESTIC WATER LINES, PROVIDE LABEL ON CEILING.
6. CONTRACTOR SHALL ROUTE NEW 2" CW UP IN THIS AREA FROM FIRST FLOOR. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
7. CONTRACTOR SHALL ROUTE NEW 3/4" CW UP IN THIS AREA FROM FLOOR BELOW. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE. THIS PIPING SHALL BE ROUTED HIGH ALONG INSIDE EXTERIOR WALL TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. SEE NOTE NO. 8, THIS SHEET.
8. CONTRACTOR SHALL ROUTE NEW 3/4" CW DOWN IN THIS AREA TO FIRST FLOOR TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. RE: SHEET P111 FOR CONTINUATION.
9. 50 GALLON ELECTRIC TANK TYPE WATER HEATER WITH DRAIN PAN AND T&P. PROVIDE 1" PVC DRAIN LINE, INDIRECTLY DRAINED TO NEAREST FLOOR DRAIN, MAINTAIN 2" AIR GAP. PROVIDE TMV AND HOT WATER RECIRC PUMP, 1/6 HP, 115/1/60.
10. BALANCING VALVE ABOVE CEILING IN DOMESTIC HOT WATER RECIRC LINE, PROVIDE LABEL ON CEILING.
11. 1/2" CW WITH BFP TO REFRIGERATOR VALVE BOX.
12. 1/2" CW TO SERVE WATER COOLER/BOTTLE FILLER.
13. CONTRACTOR SHALL ROUTE NEW 1" CW DOWN IN THIS AREA TO FIRST FLOOR TO SERVE THE RESTROOM ON THE FIRST FLOOR. RE: SHEET P111 FOR CONTINUATION.
14. ROUTE NEW 1-1/2" COMPRESSED AIR LINE AND 1-1/4" DOMESTIC COLD WATER, SIZED AS SHOWN, UP FROM ABOVE IN THIS AREA, RE: SHEET P111 FOR CONTINUATION. EXACT MOUNTING HEIGHT SHALL BE COORDINATED WITH STRUCTURAL AND MUST CLEAR ALL DOORS.
15. ROUTE NEW COMPRESSED AIR LINE, SIZED AS SHOWN, DOWN IN THIS AREA TO SERVE FIRST FLOOR BELOW, RE: SHEET P111 FOR CONTINUATION.
16. 1/2" CW WITH BFP TO COFFEE MAKER, VERIFY EXACT LOCATION AND ADJUST AS REQUIRED TO ACCOMMODATE.
17. 1/2" CW WITH BFP TO UNDERCOUNTER ICEMAKER, VERIFY EXACT LOCATION AND ADJUST AS REQUIRED TO ACCOMMODATE.

GENERAL NOTE:
ANY AND ALL EXPOSED DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS AND COVERED WITH ALUMINUM JACKET.

NORTH

0 2' 4' 8' 16'
SCALE: 3/32" = 1'-0"

P1 MEZZANINE UTILITY PLAN

3/32" = 1'-0"

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT #20-089
Frank Saville Thompson - License No. 28854

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B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

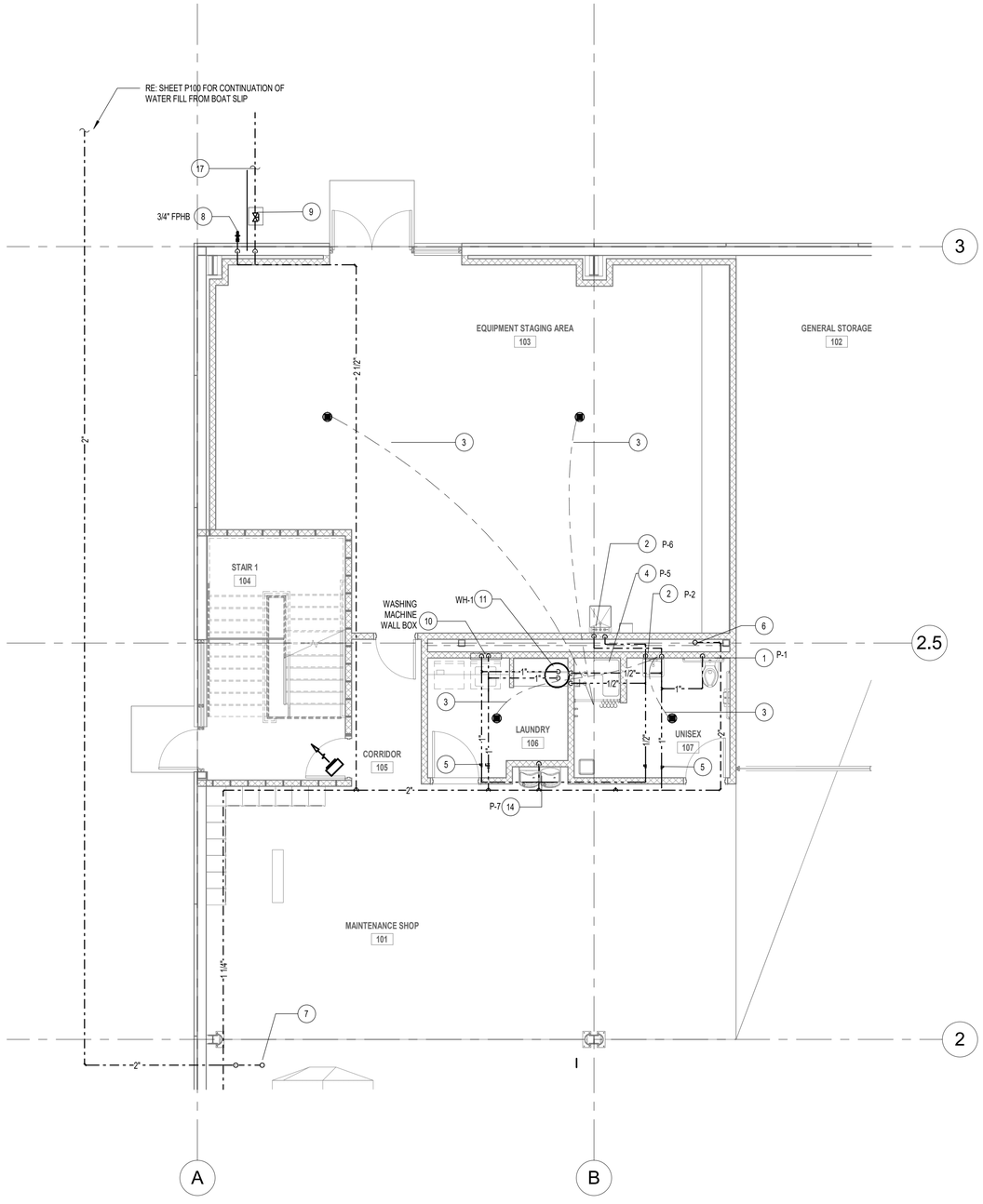
Drawing
MEZZANINE UTILITY PLAN

Seal
STATE OF LOUISIANA
FRANK SAVILLE THOMPSON
#32884
REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # xxxxx File Name LHMC1
PM/PIC FST Drawn By KGV

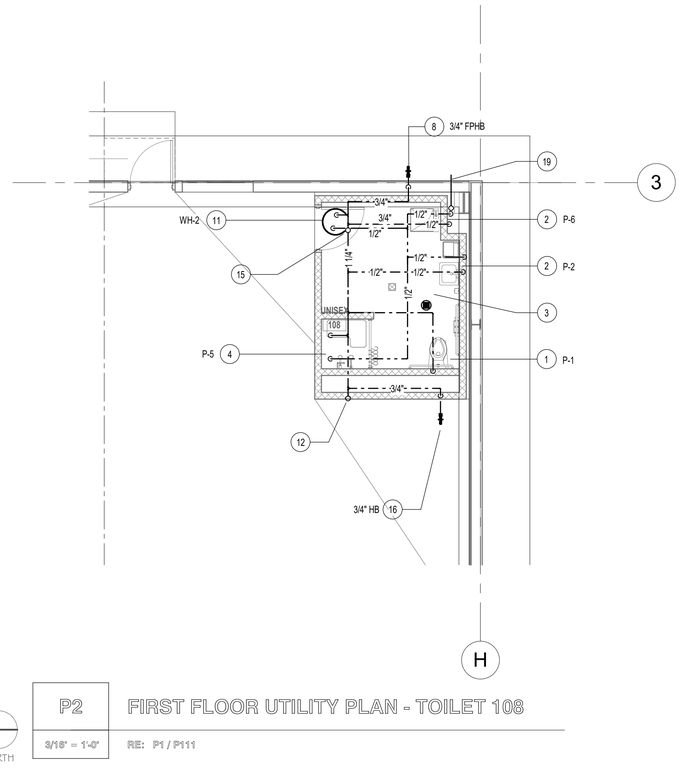
P112



P1 — PARTIAL ENLARGED FIRST FLOOR UTILITY PLAN

3/16" = 1'-0" RE: P1 / P111

NORTH



P2 — FIRST FLOOR UTILITY PLAN - TOILET 108

3/16" = 1'-0" RE: P1 / P111

NORTH

GENERAL NOTE:
ANY AND ALL EXPOSED DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS AND COVERED WITH ALUMINUM JACKET.

UTILITY PLAN NOTES:

1. 1"CW TO SERVE WATER CLOSET.
2. 1/2" H&CW TO SERVE LAVATORY.
3. 1/2" TRAP PRIMER TO SERVE 3"FD.
4. 1/2" H&CW TO SERVE SHOWER. VERIFY EXACT LOCATION OF SHOWER CONTROLS WITH ARCHITECTURAL PLANS AND ADJUST PIPING AS REQUIRED TO ACCOMMODATE LOCATION.
5. SHUT OFF VALVE ABOVE CEILING IN DOMESTIC WATER LINES, PROVIDE LABEL ON CEILING.
6. CONTRACTOR SHALL ROUTE NEW 2"CW UP IN THIS AREA UP TO SECOND FLOOR. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
7. ROUTE 2" WATER LINE UNDERGROUND / SLAB AND UP IN THIS AREA TO OWNER PROVIDED INLINE PUMP IN THIS AREA. ROUTE 2" WATER LINE FROM PUMP TO TANK AND PROVIDE SHUT OFF VALVE AND BFP IN ACCESSIBLE LOCATION. VERIFY EXACT LOCATION OF TANK PRIOR TO ANY BEGINNING ANY WORK AND ADJUST LOCATION AS REQUIRED TO ACCOMMODATE.
8. 3/4" CW LINE TO FREEZEPROOF HOSE BIBB. PROVIDE SHUT OFF VALVE AND BFP IN ACCESSIBLE LOCATION.
9. SHUT OFF VALVE IN CAST IRON BOX LABELED "WATER".
10. 1/2" H&CW TO WASHING MACHINE WALL BOX.
11. 40 GALLON LOW BOY ELECTRIC TANK TYPE WATER HEATER WITH DRAIN PAN AND T&P MOUNTED HIGH ON WALL ABOVE WASHER AND DRYER. PROVIDE 1" PVC DRAIN LINE, INDIRECTLY DRAINED TO NEAREST PLUMBING VENT WITH P-TRAP, MAINTAIN 2" AIR GAP. PROVIDE TMV.
12. CONTRACTOR SHALL ROUTE NEW 3/4" CW DOWN IN THIS AREA FROM HIGH ABOVE. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE. THIS PIPING SHALL BE ROUTED DOWN ALONG INSIDE EXTERIOR WALL TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. SEE NOTE NO. 13, THIS SHEET.
13. CONTRACTOR SHALL ROUTE NEW 3/4" CW DOWN IN THIS AREA FROM HIGH ABOVE TO SERVE THE FREEZEPROOF HOSE BIBB. RE: SHEET P112 FOR CONTINUATION.
14. 1/2" CW TO WATER COOLER/BOTTLE FILLER.
15. CONTRACTOR SHALL ROUTE NEW 1-1/4" CW DOWN IN THIS AREA WITH ACCESSIBLE ISOLATION VALVE FROM HIGH ABOVE. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE. THIS PIPING SHALL BE ROUTED DOWN ALONG INSIDE EXTERIOR WALL TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. RE: SHEET P112 FOR CONTINUATION.
16. 3/4" CW LINE TO INTERIOR HOSE BIBB. PROVIDE SHUT OFF VALVE AND BFP IN ACCESSIBLE LOCATION.
17. CONTRACTOR SHALL REFER TO SHEET P100 FOR CONTINUATION.
18. COMPRESSED AIR LINE ROUTED EXPOSED AND SECURED DOWN WALL, PROVIDE QUICK DISCONNECT AND VERIFY EXACT MOUNTING LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN. PROVIDE SHUT OFF VALVE IN COMPRESSED AIR LINE.
19. 1" COMPRESSED AIR LINE ROUTED DOWN FROM ABOVE IN THIS AREA, EXPOSED AND SECURED DOWN WALL AND THEN PENETRATE THE EXTERIOR WALL, PROVIDE QUICK DISCONNECT AND VERIFY EXACT MOUNTING LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN. PROVIDE SHUT OFF VALVE IN COMPRESSED AIR LINE.
20. ROUTE NEW 1" COMPRESSED AIR LINE FROM OWNER PROVIDED AIR COMPRESSOR/DRYER. RE: ARCHITECTURAL FOR EXACT LOCATION. SIZE AIR LINE IN STRICT ACCORDANCE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS. ADJUST AS NECESSARY TO ACCOMMODATE.
21. ROUTE NEW 1-1/2" COMPRESSED AIR LINE AND 1-1/4" DOMESTIC COLD WATER, SIZED AS SHOWN, UP IN THIS AREA, RE: SHEET P112 FOR CONTINUATION.

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No.	Revision/Description	Date
E.	CDS - ISSUED FOR BID	09/25/25
D.	CDS - ISSUDE FOR APPROVAL	05/15/25
C.	CDS - ISSUED FOR APPROVAL	04/21/25
B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing: ENLARGED FIRST FLOOR UTILITY PLANS

Seal: STATE OF LOUISIANA — FRANK SAVILLE THOMPSON — REG. NO. 28854 — PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

State Proj. # 19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
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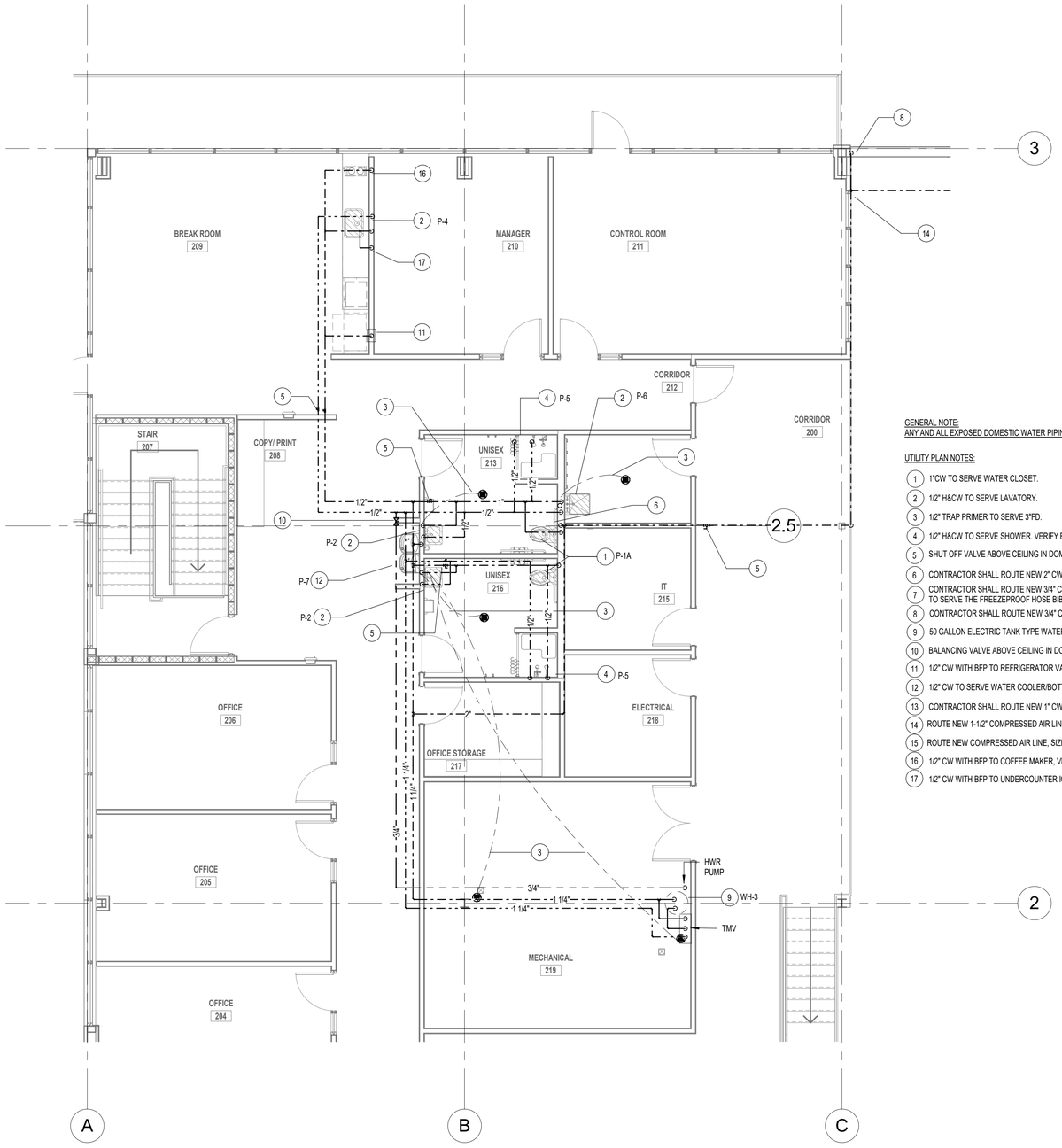
PM/PIC	FST	Drawn By	KGV

Date: 09/25/25

P113



GENERAL NOTE:
ANY AND ALL EXPOSED DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS AND COVERED WITH ALUMINUM JACKET.

UTILITY PLAN NOTES:

1. 1"CW TO SERVE WATER CLOSET.
2. 1/2" H&CW TO SERVE LAVATORY.
3. 1/2" TRAP PRIMER TO SERVE 3"FD.
4. 1/2" H&CW TO SERVE SHOWER. VERIFY EXACT LOCATION OF SHOWER CONTROLS WITH ARCHITECTURAL PLANS AND ADJUST PIPING AS REQUIRED TO ACCOMMODATE LOCATION.
5. SHUT OFF VALVE ABOVE CEILING IN DOMESTIC WATER LINES, PROVIDE LABEL ON CEILING.
6. CONTRACTOR SHALL ROUTE NEW 2" CW UP IN THIS AREA FROM FIRST FLOOR. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE.
7. CONTRACTOR SHALL ROUTE NEW 3/4" CW UP IN THIS AREA FROM FIRST FLOOR. PROVIDE ALL ELBOWS, PIPING, TRANSITIONS BETWEEN FLOORS AS NECESSARY TO ACCOMMODATE. THIS PIPING SHALL BE ROUTED HIGH ALONG INSIDE EXTERIOR WALL TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. SEE NOTE NO. 8, THIS SHEET.
8. CONTRACTOR SHALL ROUTE NEW 3/4" CW DOWN IN THIS AREA TO FIRST FLOOR TO SERVE THE FREEZEPROOF HOSE BIBB ON THE FIRST FLOOR. RE: SHEET P111 FOR CONTINUATION.
9. 50 GALLON ELECTRIC TANK TYPE WATER HEATER WITH DRAIN PAN AND T&P. PROVIDE 1" PVC DRAIN LINE, INDIRECTLY DRAINED TO NEAREST FLOOR DRAIN, MAINTAIN 2" AIR GAP. PROVIDE TMV AND HOT WATER RECIRC PUMP, 1/6 HP, 115/1/60.
10. BALANCING VALVE ABOVE CEILING IN DOMESTIC HOT WATER RECIRC LINE, PROVIDE LABEL ON CEILING.
11. 1/2" CW WITH BFP TO REFRIGERATOR VALVE BOX.
12. 1/2" CW TO SERVE WATER COOLER/BOTTLE FILLER.
13. CONTRACTOR SHALL ROUTE NEW 1" CW DOWN IN THIS AREA TO FIRST FLOOR TO SERVE THE RESTROOM ON THE FIRST FLOOR. RE: SHEET P111 FOR CONTINUATION.
14. ROUTE NEW 1-1/2" COMPRESSED AIR LINE AND 1-1/4" DOMESTIC COLD WATER, SIZED AS SHOWN, UP FROM ABOVE IN THIS AREA, RE: SHEET P111 FOR CONTINUATION. EXACT MOUNTING HEIGHT SHALL BE COORDINATED WITH STRUCTURAL AND MUST CLEAR ALL DOORS.
15. ROUTE NEW COMPRESSED AIR LINE, SIZED AS SHOWN, DOWN IN THIS AREA TO SERVE FIRST FLOOR BELOW, RE: SHEET P111 FOR CONTINUATION.
16. 1/2" CW WITH BFP TO COFFEE MAKER, VERIFY EXACT LOCATION AND ADJUST AS REQUIRED TO ACCOMMODATE.
17. 1/2" CW WITH BFP TO UNDERCOUNTER ICEMAKER, VERIFY EXACT LOCATION AND ADJUST AS REQUIRED TO ACCOMMODATE.

NORTH

P1 | ENLARGED MEZZANINE UTILITY PLAN

3/16" = 1'-0" | RE: P1 / P112

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CRUMP WILSON ARCHITECTS

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Seal: STATE OF LOUISIANA · FRANK SAVILLE THOMPSON · 28854 · REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

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PLUMBING FIXTURE SCHEDULE - CONTRACTOR MUST VERIFY MOUNTING HEIGHTS ON ALL PLUMBING FIXTURES PRIOR TO ORDERING AND ROUGH-IN. NO EXCEPTIONS

NOTES:
1. ALL PLUMBING FIXTURES SHALL BE LEAD FREE. NO EXCEPTIONS.
2. WATER HAMMER ARRESTORS AND BACKFLOW PREVENTORS SHALL BE INSTALLED ON ALL PLUMBING FIXTURES AS REQUIRED BY IPC AND EQUIPMENT MANUFACTURER'S REQUIREMENTS. MIFAB OR APPROVED MANUFACTURER.

TAG	FIXTURE DESCRIPTION	MANUFACTURER AND MODEL NUMBER	TRIM						CONNECTION SIZE				NOTES
			FLUSH/VALVE	SEAT	CARRIER	FAUCET	DRAIN	MISCELLANEOUS	CW	HW	SAN.	VENT	
P-1	WALL MOUNTED WHITE VITREOUS CHINA WATER CLOSET WITH TOP SPUD AND MANUAL FLUSH VALVE(1.6 GPF) ADA COMPLIANT	AMERICAN STANDARD 2257.001 KOHLER K-4330 ZURN Z5615-BWL	AMERICAN STANDARD 6047.121.002 TOP SPUD SLOAN MODEL 111-1.6 ZURN Z6000-WS1	BENEKE 527 SS CHURCH 9500 SSC	J.R SMITH 0210 SERIES JOSAM 12714	--	--	--	1"	--	4"	3"	WATER CLOSET IS ADA COMPLIANT WHEN TOP OF SEAT HEIGHT IS SET AT A HEIGHT OF 15"-17". COORDINATE ADA FIXTURE LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
P-1A	FLOOR MOUNTED WHITE VITREOUS CHINA WATER CLOSET WITH TOP SPUD AND MANUAL FLUSH VALVE(1.6 GPF) ADA COMPLIANT	AMERICAN STANDARD 3043.001 KOHLER K-4368 ZURN Z5665-BWL	AMERICAN STANDARD 6047.121.002 TOP SPUD SLOAN MODEL 111-1.6 ZURN Z6000-WS1	BENEKE 527 SS CHURCH 9500 SSC	J.R SMITH 0210 SERIES JOSAM 12714	--	--	--	1"	--	4"	3"	WATER CLOSET IS ADA COMPLIANT WHEN TOP OF SEAT HEIGHT IS SET AT A HEIGHT OF 15"-17". COORDINATE ADA FIXTURE LOCATIONS WITH ARCHITECTURAL FLOOR PLANS.
P-2	20"X18" WHITE VITREOUS CHINA WITH OVERFLOW WALL HUNG LAVATORY WITH 4" CENTER FAUCET HOLES, VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN	AMERICAN STANDARD 0124.131 KOHLER K-1729 ZURN Z5344	--	--	UNIVERSAL LAVATORY CARRIER W/ CONCEALED ARMS MIFAB MC-41 JAY R. SMITH 0700-Z ZURN Z1231	AMERICAN STANDARD 7385.003 TS BRASS B-2711 ZURN Z81000-G	--	1½" CAST BRASS "P" TRAP W/ CLEAN OUT; ⅜" ANGLE STOP SUPPLIES WITH LOOSE KEY STOP	½"	½"	2"	2"	
P-3	NOT USED		=	=	=	--	--	--	--	--	--	--	
P-4	25"X22" TOP MOUNT SELF RIMMING 18 GA. TYPE 304 STAINLESS STEEL SINK WITH 3 FAUCET HOLES WITH HIGH ARC ADA COMPLIANT FAUCET	ELKAY LRADQ252155 JUST SL-ADA-2125-A-GR-5.5	--	--	--	ELKAY LKD2445BH JUST JTR-50	ELKAY LK-35 JUST J-35	1½" CAST BRASS "P" TRAP W/ CLEAN OUT; ⅜" ANGLE STOP SUPPLIES WITH LOOSE KEY STOP	½"	½"	2"	2"	
P-5	JOB BUILT SHOWER	BY CONTRACTOR	--	--	--	--	2" SHOWER DRAIN	--	½"	½"	2"	2"	SYMMONS MODEL 96-500-B30-L-V TEMPTROL SHOWER SYSTEM WITH HAND SPRAY, SS CURTAIN ROD/CUPS, POLYESTER WHITE WEIGHTED CURTAIN. REFER TO ARCH. FOR SHOWER THRESHOLD REQUIREMENTS AND SPECIFIC SHOWER HANDLE.
P-6	19-7/8"X16-3/8" WALL MOUNTED SERVICE SINK WITH RIM GUARD AND FAUCET	AMERICAN STANDARD AKRON 7695.008, 8379.026 RIM GUARD	--	--	--	KOHLER K-7320-4-CP	JUST J-15-SS ELKAY LK-1	1 ½" CAST BRASS "P" TRAP W/ CLEAN OUT;⅜" ANGLE STOP SUPPLIES WITH LOOSE KEY STOP	½"	½"	2"	2"	
P-7	TWO STATION WALL HUNG SELF-CONTAINED ELECTRIC WATER COOLER/BOTTLE FILLER STATION (ON ADA SIDE) WITH BARRIER FREE ACCESS, 8 GPH, PROVIDE WALL HANGER	ELKAY EZOOTLBWSLK, ACORN OR HALSEY TAYLOR APPROVED EQUAL	--	--	MIFAB MC-33	--	--	--	½"	--	2"	2"	
REFRIG VALVE BOX	REFRIGERATOR VALVE BOX	OATEY 39141 ICE MAKER BOX	--	--	--	--	--	--	1/2"	--	--	--	PROVIDE BACKFLOW PREVENTER IN DOMESTIC COLD WATER LINE
FPHB	¾" FREEZE PROOF HOSE BIBB IN WALL BOX WITH LOOSE KEY	JAY R. SMITH 5519 WOODFORD B65	--	--	--	--	--	--	¾"	--	--	--	PROVIDE 2 LOOSE KEYS PER HYDRANT. CONTRACTOR SHALL PROVIDE ISOLATION VALVE IN CEILING PRIOR TO THE HOSE BIBB.
H.B.	¾" HOSE BIBB IN WALL BOX WITH LOOSE KEY	WOODFORD B74	--	--	--	--	--	--	¾"	--	--	--	PROVIDE 2 LOOSE KEYS PER HYDRANT. CONTRACTOR SHALL PROVIDE ISOLATION VALVE IN CEILING PRIOR TO THE HOSE BIBB.
FD	FLOOR DRAIN 3" OR 4" DIAMETER (SEE PLANS FOR SIZE), ROUND TOP AND FLASHING COLLAR, ADJ. STAINLESS STEEL STRAINER HEAD, TRAP PRIMER CONNECTION	MIFAB F100(3 OR 4)P-C-S6-3 JAY R. SMITH 2005 WADE 1100G	--	--	--	--	--	--	--	--	--	--	ALL FLOOR DRAINS SHALL BE INSTALLED WITH ½" TRAP PRIMER. SEE PLANS FOR SANITARY SEWER AND VENT CONNECTION SIZES. ALL FLOOR DRAINS RECEIVING 140 DEGREE HOT WATER MUST HAVE CAST IRON PIPING CAPABLE OF 140 DEGREE HOT WATER AND MUST BE A MINIMUM OF 20' OF HORIZONTAL RUN OF THE WASTE PIPE.
CO	CLEANOUT PLUG W/ NICKEL BRONZE ROUND TOP	MIFAB C1100-XR	--	--	--	--	--	--	--	--	--	--	SEE PLANS FOR SIZE

ELECTRIC WATER HEATER SCHEDULE

1. WATER HEATER TO BE FURNISHED AND INSTALLED WITH THERMOSTATIC MIXING VAVLE, THERMAL EXPANSION TANK.
2. COORDINATE WITH ELECTRICAL PLANS FOR POWER.

MARK	TYPE	FUEL TYPE	CAPACITY	GPH AT 100F RISE	ELEMENTS			ELECTRIC SERVICE				AMPS	WEIGHT LBS	ACCEPTABLE MANUFACTURERS
					QTY	CAP EA.	CAP TOTAL	VOLTS	PH	FREQ				
WH-1	TANK-TYPE	ELECTRIC	47 gal	18	2	4500 W	4500 W	240 V	1	60 Hz		18.8	450	ELDS52 RHEEM OR APPROVED EQUALS, NON-SIMULTANEOUSLY WIRED, ELBI DTS-8 ASME THERMAL EXPANSION TANK, 2 GALLON TANK VOLUME
WH-2	TANK-TYPE	ELECTRIC	47 gal	18	2	4500 W	4500 W	240 V	1	60 Hz		18.8	450	ELDS52 RHEEM OR APPROVED EQUALS, NON-SIMULTANEOUSLY WIRED, ELBI DTS-8 ASME THERMAL EXPANSION TANK, 2 GALLON TANK VOLUME
WH-3	TANK-TYPE	ELECTRIC	50 gal	21	2	4500 W	4500 W	240 V	1	60 Hz		30	600	ELDS2-TB/FTB RHEEM OR APPROVED EQUALS, NON-SIMULTANEOUSLY WIRED, ELBI DTS-8 ASME THERMAL EXPANSION TANK, 2 GALLON TANK VOLUME

GENERAL PLUMBING PLAN NOTES:

1. CONTRACTOR SHALL INSTALL SANITARY SEWER CLEANOUTS EVERY 75'-0" ON CENTER ON ALL NEW SANITARY SEWER PIPING ON SITE, IF NOT ALREADY SHOWN ON PLANS.
2. ALL NEW SANITARY SEWER PIPING SHALL BE SLOPED AT 1/8" FALL PER LINEAR FOOT AS PER THE LOUISIANA STATE PLUMBING CODE. CONTRACTOR SHALL CONTACT THE LOCAL WATER COMPANY AND OBTAIN PRICES FOR THE INSTALLATION OF NEW WATER METER AND PROVIDING NEW WATER SERVICE AND INCLUDE ALL NECESSARY CHARGES, FEES, AND PERMITS IN HIS BID. THERE SHALL BE NO EXTRA CHARGE TO THE OWNER FOR UTILITY CONNECTION AFTER TIME OF BID. CONTRACTOR SHALL INSTALL NEW BACKFLOW PREVENTER AT VICINITY OF NEW WATER METER NEAR ROAD. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL HEAT TRACE OR INSULATED HOT BOX AND INSULATE BACKFLOW PREVENTOR FOR FREEZE PROTECTION. PLUMBING CONTRACTOR SHALL INSTALL THE ABOVE MENTIONED BACKFLOW PREVENTOR ABOVE GRADE AND IN THE VICINITY OF THE WATER METER. PLUMBING CONTRACTOR SHALL PROVIDE A CROSS CONNECTION CERTIFICATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTOR PRIOR TO ACCEPTANCE OF THE PROJECT. THIS CERTIFICATION SHALL BE PERFORMED BY AN INDIVIDUAL WHO MEETS ASSE 5000 PROFESSIONAL QUALIFICATION STANDARD AND HAS A TESTING CERTIFICATE FROM A NATIONALLY RECOGNIZED BACKFLOW CERTIFICATION ORGANIZATION APPROVED BY THE STATE OF LOUISIANA, DEPARTMENT OF HEALTH AND HOSPITALS. ALL TAPS, METER AND FEES SHALL BE INCLUDED IN BID.
3. ALL SANITARY SEWER PIPING BELOW SLAB SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS EXCEPT FOR THE KITCHEN GREASE WASTE WHICH SHALL BE CAST IRON. REFER TO SPECIFICATIONS.
4. ALL DOMESTIC WATER LINES 5'-0" FROM BUILDINGS SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS.
5. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING SANITARY SEWER, STORM WATER, FIRE WATER, AND DOMESTIC WATER PRIOR TO BEGINNING WORK.
6. ALL DOMESTIC HOT AND COLD WATER SHUT OFF VALVES LOCATED ABOVE THE CEILING WILL BE IDENTIFIED WITH 1" WIDE RED REFLECTIVE TAPE, WRAPPED TWO (2) COMPLETE TURNS AROUND THE CEILING GRID WITH THE CUT END OF THE TAPE CONCEALED ABOVE THE CEILING AND WILL BE LOCATED DIRECTLY BELOW EACH VALVE. CEILING SHALL BE LABELED WITH BLACK LABELS AND WHITE LETTERING "SHUT OFF VALVE".
7. DOMESTIC WATER SHALL BE RUN A MINIMUM OF 36" BELOW FINISHED GRADE.
8. SUPPLY SYSTEMS SHALL USE DIELECTRIC ADAPTERS WHERE PIPES OF DISSIMILAR METALS ARE BEING CONNECTED.
9. IN ADDITION TO THE TEST CALLED FOR IN THE SPECIFICATIONS, THE POTABLE WATER SYSTEM SHALL BE PROPERLY DISINFECTED IN ACCORDANCE WITH FEDERAL SPECIFICATION BB-C-120. SUBSEQUENT TO THE DISINFECTION, THE CONTRACTOR SHALL SUBMIT WATER SAMPLES TO THE LOCAL HEALTH DEPARTMENT FOR TESTING AND APPROVAL. LOCAL HEALTH DEPARTMENT APPROVAL MUST BE ATTAINED BEFORE THE SYSTEM IS PUT INTO SERVICE.
10. ALL DOMESTIC WATER, SANITARY, VENT, AND FIRE PROTECTION PIPING SHALL BE SLEEVED THROUGH WALLS; SLEEVES SHALL BE SIZED TO ALLOW PASSAGE OF THE PIPE AND ITS FULL INSULATION THICKNESS PLUS ANNULAR SPACE FOR INSTALLATION OF SAFING AND/OR SEALANT AS REQUIRED.
11. COORDINATE PROVISION FOR PROTECTING PIPING BENEATH HANDICAP LAVATORIES REQUIRED AND IDENTIFIED WITH TOILET ACCESSORIES.
12. ALL WATER CLOSETS SHALL BE CENTERED BETWEEN RESPECTIVE TOILET PARTITIONS (EXCEPT AS SPECIFICALLY NOTED OTHERWISE). THE CONTRACTOR SHALL COORDINATE ROUGHING IN WITH APPROVED TOILET PARTITION SHOP DRAWINGS. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR PLACEMENT AND LOCATIONS AND MOUNTING HEIGHTS.
13. NEATLY INSTALL WHITE MILDEW-RESISTANT SILICONE SEALANT BEAD AROUND THE PERIPHERY OF ALL PLUMBING FIXTURES IN CONTACT WITH WALLS AND/OR FLOORS.
14. ALL UNDERGROUND NON-CONDUCTIVE PIPE SHALL BE INSTALLED WITH #10 COPPER WIRE SET WITH THE PIPE. ALL UNDERGROUND NON-CONDUCTIVE PIPING OUTSIDE THE BUILDING SHALL HAVE BRIGHTLY-COLORED, METALLIC-CORE, NON-DETERIORATING, MINIMUM 2" WIDE, IDENTIFICATION RIBBON TAPE SET 12" ABOVE THE TOP OF THE PIPE, OR 24" BELOW FINISHED GRADE, WHICHEVER DIMENSION IS SHALLOWER.
15. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY PIPING AND PIPING OFFSETS TO ACCOMMODATE INSTALLATION OF ALL NEW PIPING AND PLUMBING FIXTURES. THIS SHALL INCLUDE ALL PIPING AND PIPING OFFSETS TO ACCOMMODATE ROUTING AROUND ALL STRUCTURAL, MECHANICAL, AND ARCHITECTURAL. NO CHANGE ORDERS SHALL BE GIVEN FOR THIS ITEM.
16. MOUNTING HEIGHTS TO BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH IN OR INSTALLATION OF ALL PLUMBING FIXTURES. NO CHANGE ORDERS WILL BE GIVEN FOR THIS ITEM.
17. INSULATE HORIZONTAL WASTE PIPING SERVING THE AHU/CRAC CONDENSATE PIPING TO THE VERTICAL RISER.
18. CONTRACTOR SHALL PRESSURE TEST ALL PIPING SYSTEMS AS PER SPECIFICATIONS. THE PRESSURE TESTING SHALL BE WITNESSED AND FOUND ACCEPTABLE BY ENGINEER OF RECORD BEFORE PROJECT IS FINISHED.
19. PLUMBING CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BIDDING, ORDERING AND INSTALLATION. THIS SHALL INCLUDE STRUCTURAL, ELECTRICAL, MECHANICAL, SPRINKLER, ARCHITECTURAL AND CIVIL. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL PLUMBING WORK WITH OTHER DISCIPLINES PRIOR TO ORDERING AND INSTALLING AND SHALL BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES OR CONFLICTS FOR RESOLUTION PRIOR TO ORDERING OR BEGINNING ANY WORK. NO CHANGE ORDERS SHALL BE GIVEN.
20. THE SUBMISSION OF PROPOSAL BY THE CONTRACTOR WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE ENTIRE SET OF CONSTRUCTION PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
21. ALL DOMESTIC WATER PIPING MUST BE ROUTED AS HIGH UP AND TIGHT TO STRUCTURE AS POSSIBLE. CONTRACTOR MUST INCLUDE EXTRA ELBOWS, TRANSITIONS, AND PIPING AS NEEDED TO ACCOMMODATE.
22. ALL PLUMBING FIXTURES MUST BE LEAD FREE.
23. ALL WALL HUNG LAVATORIES SHALL HAVE TRU BRO LAVSHIELD IN COMPLIANCE WITH ALL LOCAL CODES.
24. WATER HAMMER ARRESTORS AND BACKFLOW PREVENTORS SHALL BE INSTALLED ON ALL PLUMBING FIXTURES AS REQUIRED BY IPC AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
25. ALL EXPOSED DOMESTIC WATER PIPING LOCATED INSIDE OF BUILDING SHALL BE INSULATED WITH 1" RIGID FIBERGLASS WITH ALUMINUM JACKET.
26. ALL EXPOSED SANITARY SEWER WASTE PIPING LOCATED INSIDE OF BUILDING SHALL BE INSULATED WITH 2" RIGID FIBERGLASS WITH ALUMINUM JACKET.
27. CONTRACTOR SHALL REFER TO CIVIL PLANS AND VERIFY EXACT TIE IN LOCATION AND SIZES FOR ALL SANITARY SEWER, FIRE WATER AND DOMESTIC COLD WATER SERVICES PRIOR TO ORDERING. CONTRACTOR MUST ADJUST TIE IN LOCATIONS AS NECESSARY TO ACCOMMODATE PROPER TIE IN OF ALL THESE SERVICES TO THE PROJECT SITE. THIS SHALL INCLUDE ALL NECESSARY PIPING, TRANSITIONS, SUPPORTS, THRUST BLOCKS, ETC.

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
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HOUMA, LA

Drawing
PLUMBING SCHEDULES

Seal
STATE OF LOUISIANA · FRANK SAVILLE THOMPSON · 28854 · REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

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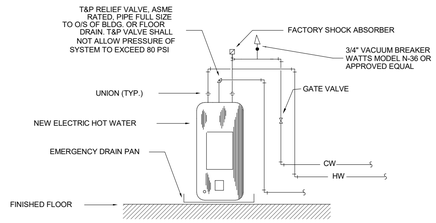
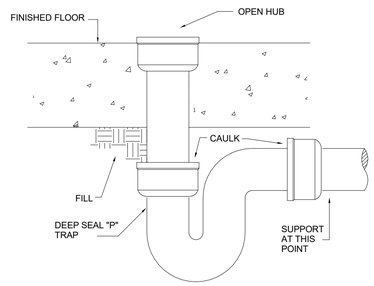
P200



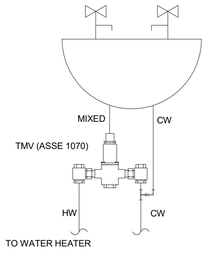
NOTE:
1. CONTRACTOR SHALL INSTALL SUITABLE WATER VALVE OR COCK THROUGH WHICH SEDIMENT MAY BE DRAWN OFF FROM THE HEATER OR TANK ON BOTTOM OF HEATER PER SECTION 501.D OF LOUISIANA STATE PLUMBING CODE.
2. CONTRACTOR SHALL INSTALL VACUUM RELIEF VALVE ON TOP OF HEATER OR TANK TO PREVENT BACK-SIPHONAGE PER SECTION 511.A OF THE LOUISIANA STATE PLUMBING CODE.
3. THERMOSTATIC MIXING VALVE WATER TEMPERATURE SHALL NOT EXCEED 110 DEGREES.

1 DETAIL - ELECTRIC WATER HEATER
SCALE: NO SCALE



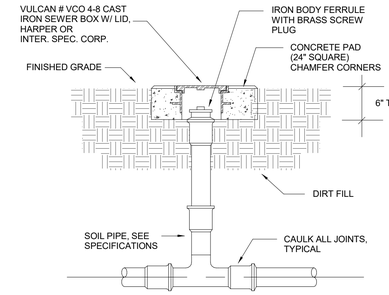
2 DETAIL - HUB DRAIN
SCALE: NO SCALE

CONTRACTOR SHALL PROVIDE AND INSTALL LEONARD 170-LF OR 270-LF (FOR MULTIPLE FIXTURES) THERMOSTATIC MIXING VALVE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOUISIANA STATE PLUMBING CODE

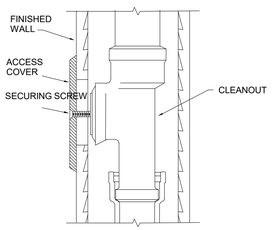


CONTRACTOR SHALL PROVIDE AND INSTALL LEONARD 170-LF OR 270-LF (FOR MULTIPLE FIXTURES) THERMOSTATIC MIXING VALVE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TEMPERATURE SHALL NOT EXCEED 110 DEGREES.

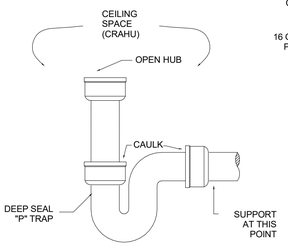
3 DETAIL - THERMOSTATIC MIXING VALVE (ASSE 1070)
SCALE: NO SCALE



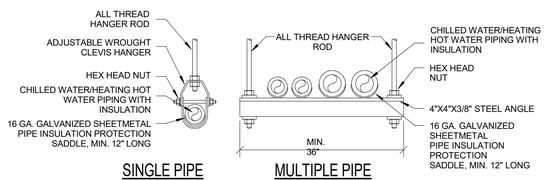
4 DETAIL - TWO WAY CLEANOUT
SCALE: NO SCALE



5 DETAIL - WALL CLEANOUT
SCALE: NO SCALE



6 DETAIL - HUB DRAIN
SCALE: NO SCALE

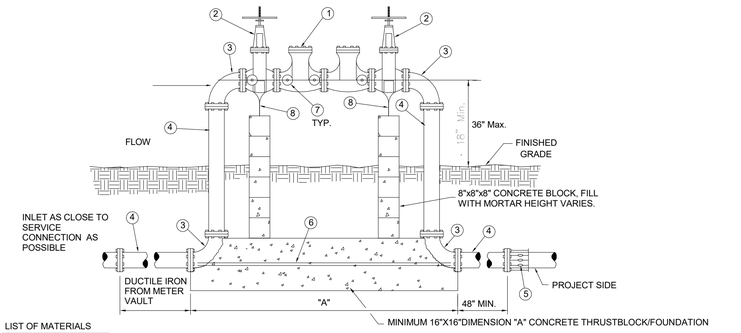


SINGLE PIPE MULTIPLE PIPE

HANGER ROD SCHEDULE	
PIPE SIZE	ROD DIA.
3/4" - 2"	3/8"
2-1/2" - 3"	1/2"
4" - 5"	5/8"
6" - ABOVE	3/4"

NOTES:
1. SINGLE PIPE RUNS TO BE SUPPORTED ON 10'-0" CENTERS AND AT ALL TURNS.
2. MULTIPLE PIPE RUNS TO BE SUPPORTED ON 4'-0" CENTERS AND AT ALL TURNS.

7 DETAIL - PIPE HANGERS
SCALE: NO SCALE



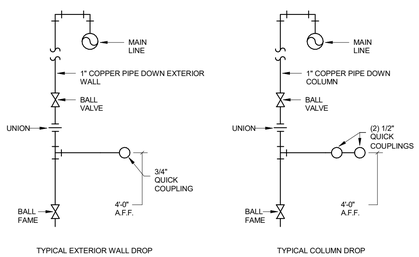
LIST OF MATERIALS

1. APPROVED DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY
2. RESILIENT SEATED STAINLESS STEEL BALL VALVE, O.S.&Y. FOR FIRE LINE CONNECTION
3. 90° ELL, FLANGED D.I.P. 3" THRU 10", MEGA LUG OR APPROVED EQUAL MAY BE USED ON UNDERGROUND JOINTS.
4. PIPE SPOOL, FLANGED D.I.P. 3" THRU 10", MEGA LUG OR APPROVED EQUAL MAY BE USED ON UNDERGROUND JOINTS.
5. FLANGED ADAPTER WHEN REQUIRED.
6. 3/4" ZINC COATED THREADED ROD FOR 6" AND LARGER 5/8" ROD ON 3" TO 4", BOLT TO FLANGES AS SHOWN, TYPICAL BOTH SIDES
7. TEST COCKS WITH BRASS PLUGS OR ADAPTERS WITH CAPS INSTALLED. (4 REQUIRED)
8. ADJUSTABLE METAL PIPE SUPPORTS AND CONCRETE BLOCK SUPPORTS WITH 1" ADJUSTING ROD AND NUT ASSEMBLIES 4" AND LARGER. INSTALL ABOVE GRADE.

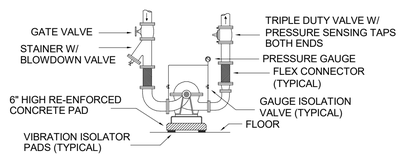
GENERAL NOTES:
1. BACKFLOW ASSEMBLIES MUST BE TESTED BY A CERTIFIED TESTING AGENT.
2. BACKFLOW PREVENTERS SHALL BE FREEZE PROTECTED BY HEAT TRACE WIRE AND INSULATION. INSULATION SHALL BE INSTALLED SO THAT IT IS SEALED WEATHER TIGHT AND IS PROTECTED FROM OUTDOOR ELEMENTS.
3. BACKFLOW PREVENTERS ON FIRE LINES REQUIRE TAMPER SWITCHES ON SHUT OFF VALVES.
4. VERTICAL INSTALLATIONS OF ASSEMBLIES ON FIRE SPRINKLER SYSTEMS ARE ALLOWED USING ASSEMBLIES APPROVED FOR USE IN THE VERTICAL POSITION ON FIRE SYSTEMS.
5. BACKFLOW ASSEMBLIES MUST HAVE SEAL APPROVAL FROM THE AMERICAN SOCIETY OF SANITATION ENGINEERS. BACKFLOW ASSEMBLIES INSTALLED ON FIRE SUPRESSION SYSTEMS MUST ALSO HAVE APPROVAL FROM UNDERWRITERS LABORATORIES AND/OR FACTORY MUTUAL RESEARCH CORPORATION

DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY FOR ASSEMBLIES 3 INCHES THRU 10 INCHES

8 DETAIL - BACKFLOW PREVENTER ASSEMBLY
SCALE: NO SCALE



9 DETAIL - COMPRESSED AIR HANGER ASSEMBLY
SCALE: N.T.S.



10 DETAIL - INLINE WATER PUMP
N.T.S.

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B	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

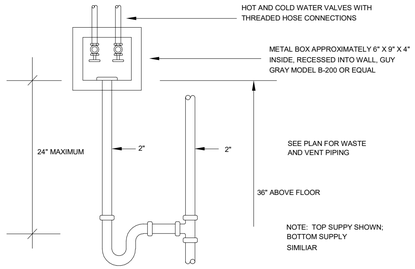
Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
PLUMBING DETAILS

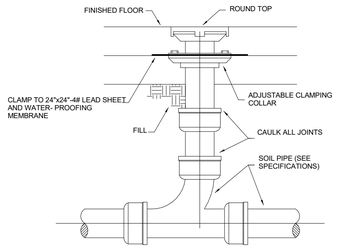
Seal: STATE OF LOUISIANA · FRANK S. THOMPSON · 28854 · REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
State ID # xxxxx | File Name LHMC1
PM/PIC FST | Drawn By KGV
Date 09/25/25

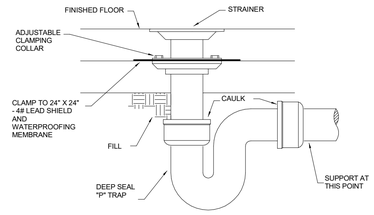
P201



1 DETAIL - WASHER OUTLET BOX
SCALE: NO SCALE



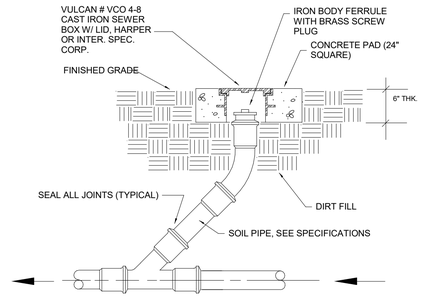
2 DETAIL - INTERIOR FLOOR CLEANOUT
SCALE: NO SCALE



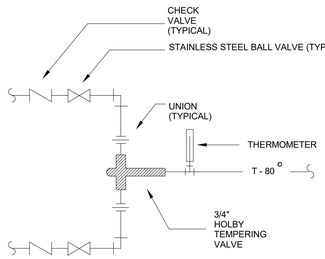
ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS, NO EXCEPTIONS.

FLOOR DRAINS LOCATED INSIDE MECHANICAL ROOMS SHALL BE COORDINATED WITH ALL PLUMBING AND MECHANICAL EQUIPMENT AND SHALL BE SHIFTED AS NECESSARY TO PREVENT ANY PART OF FLOOR DRAIN FROM BEING COVERED UP OR CONCEALED. WHERE THE MECHANICAL ROOMS ARE RETURN AIR PLENUM SPACES, THE FLOOR DRAINS SHALL BE ENCLOSED INSIDE A STAINLESS STEEL BOX WITH GASKETED HINGED ACCESS PANEL/DOOR.

3 DETAIL - FLOOR DRAIN
SCALE: NO SCALE

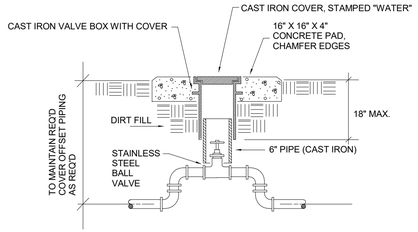


4 DETAIL - EXTERIOR CLEANOUT
SCALE: NO SCALE

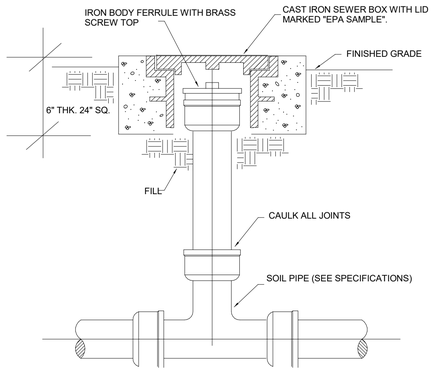


PROVIDE AND INSTALL AT EACH HAND WASH SINK, TYPICAL

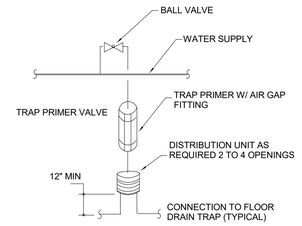
5 DETAIL - TEMPERED WATER VALVE
SCALE: NO SCALE



6 DETAIL - VALVE BOX FOR DOMESTIC WATER SERVICE
SCALE: NO SCALE

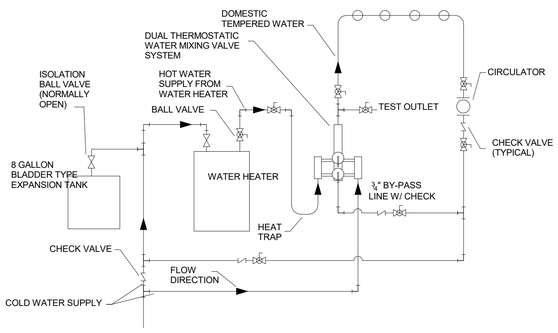


7 DETAIL - EPA SAMPLING STATION
SCALE: NO SCALE



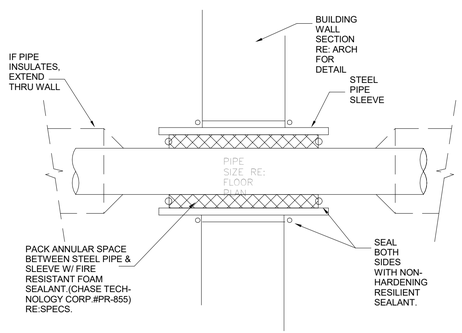
PROVIDE PROPER BACKFLOW PREVENTION DEVICES IF IT IS CONNECTED TO THE POTABLE WATER SUPPLY LINE.
TRAP PRIMERS SHALL BE INSTALLED ON ALL FLOOR DRAINS AND FLOOR SINKS, TYPICAL.

8 DETAIL - TRAP PRIMER
SCALE: NO SCALE



NOTES:
1. INSTALL CIRCULATION PUMP AND ASSOCIATED PIPING WHERE CALLED FOR ON PLANS.
2. SWING CHECK VALVES MOUNTED IN THE HORIZONTAL POSITIONS ARE PERFERRED.
3. CHECK VALVES MOUNTED IN THE VERTICAL POSITION SHALL BE SPRING LOADED.
4. BALL VALVES SHALL BE FULL PORT LINE SIZE.

9 DETAIL - THERMOSTATIC MIXING VALVE
SCALE: NO SCALE



10 DETAIL - PIPE SLEEVE THRU WALL
SCALE: NO SCALE

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CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing: PLUMBING DETAILS

Seal: STATE OF LOUISIANA — FRANK SAVILLE THOMPSON — 28854 — REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date: 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
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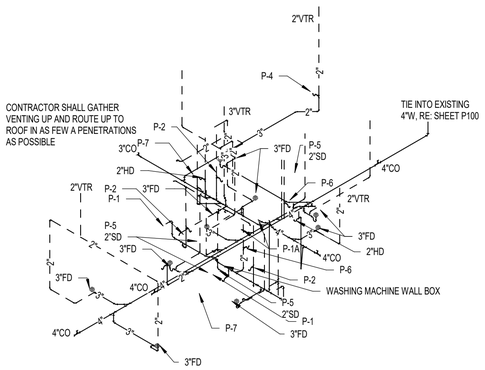

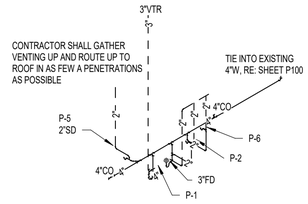

P1 SANITARY RISER DIAGRAM

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
PLUMBING RISER DIAGRAMS

Seal
STATE OF LOUISIANA
FRANK SAVILLE THOMPSON
REG. NO. 28854
PROFESSIONAL ENGINEER IN
CIVIL ENGINEERING

Date 09/25/25

State Proj. #
19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
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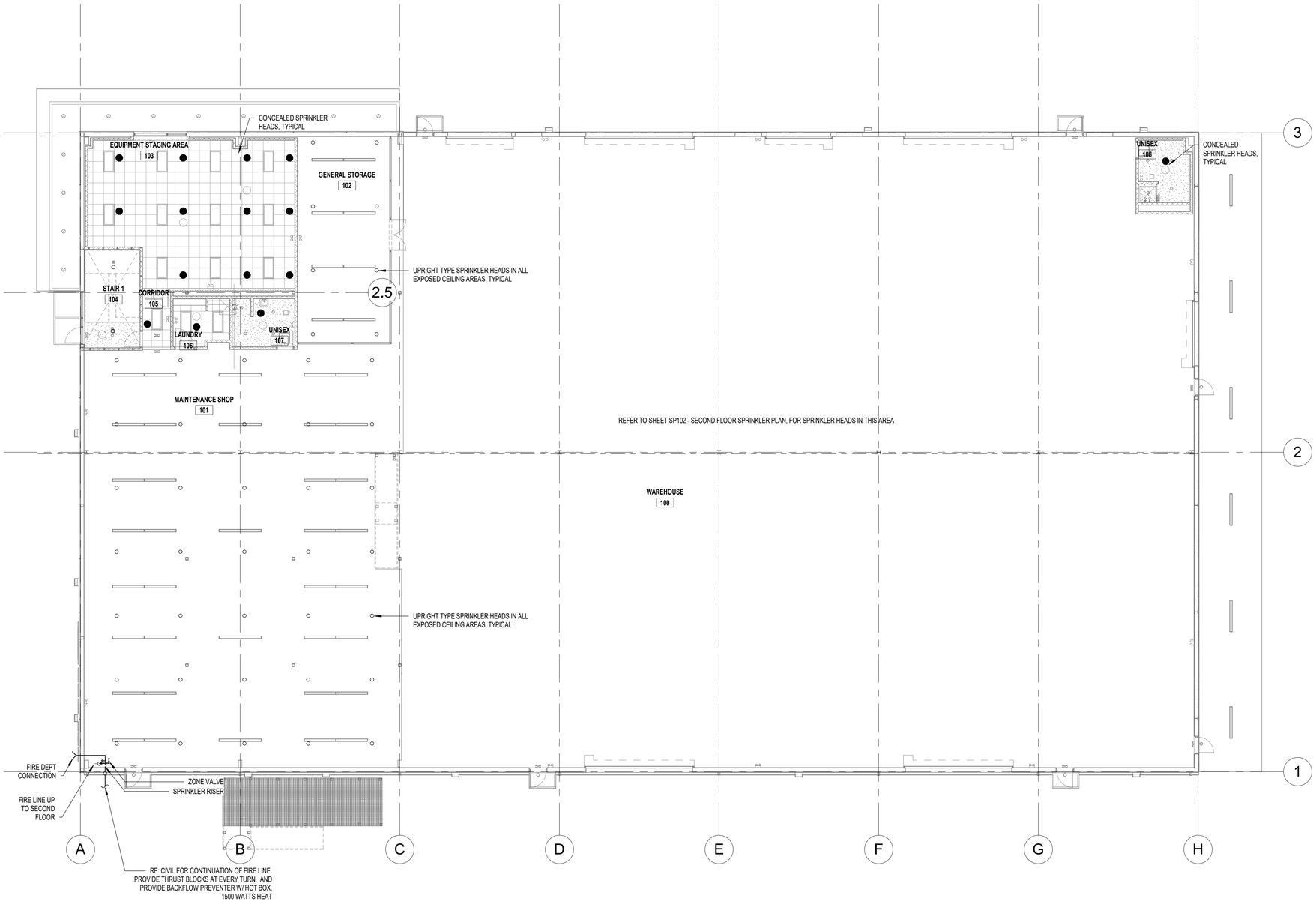
P203



NORTH

0 2' 4' 8' 16'

SCALE: 3/32" = 1' - 0"

SP1 FIRST FLOOR SPRINKLER PLAN

3/32" = 1'-0"

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II

OFFICE/WAREHOUSE BUILDING & BULKHEAD

HOUMA, LA

Drawing FIRST FLOOR SPRINKLER PLAN

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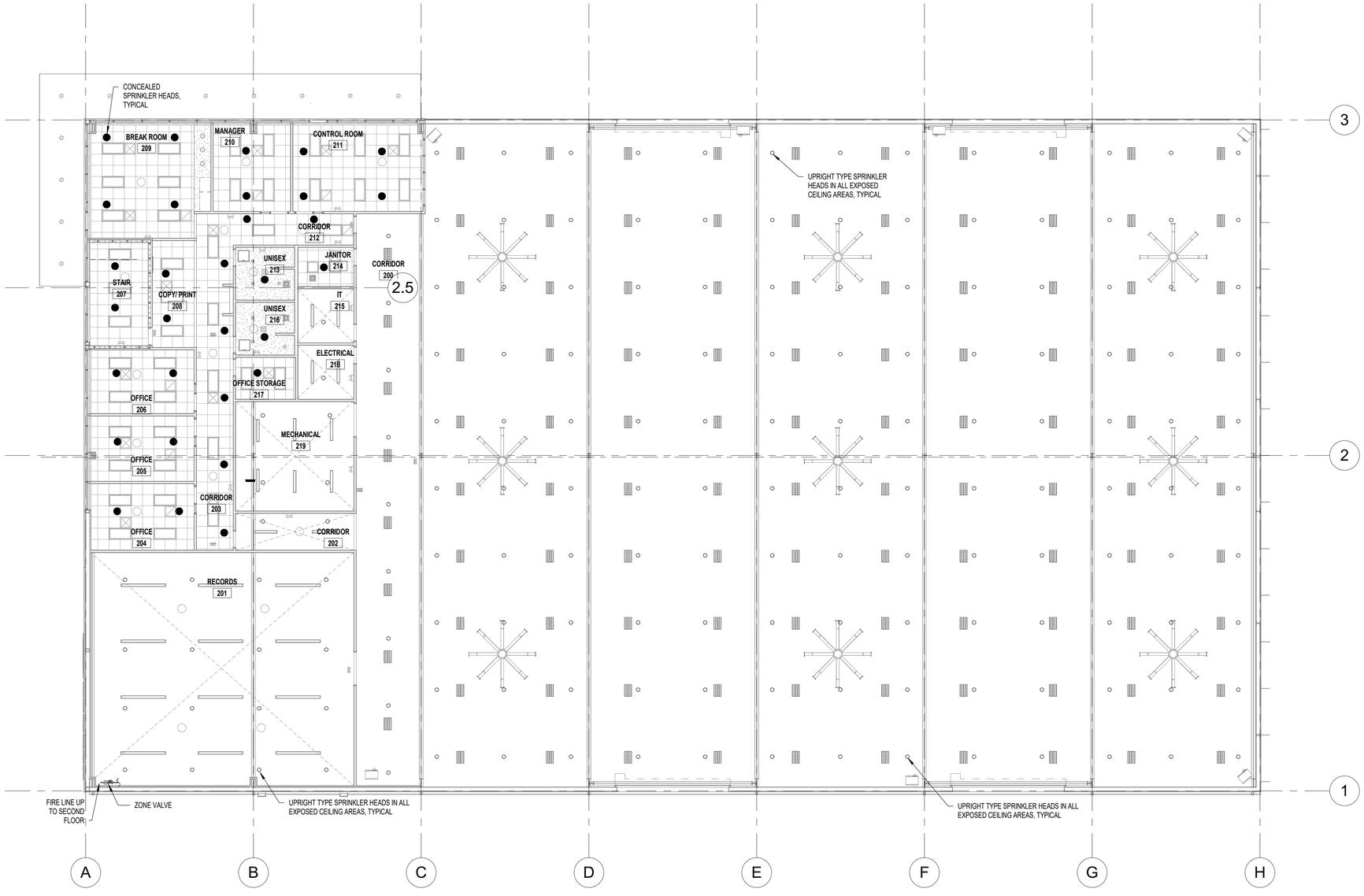
SP101



NORTH

0 2' 4' 8' 16'
SCALE: 3/32" = 1' - 0"

SP1 MEZZANINE SPRINKLER PLAN

3/32" = 1'-0"

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
MEZZANINE SPRINKLER PLAN

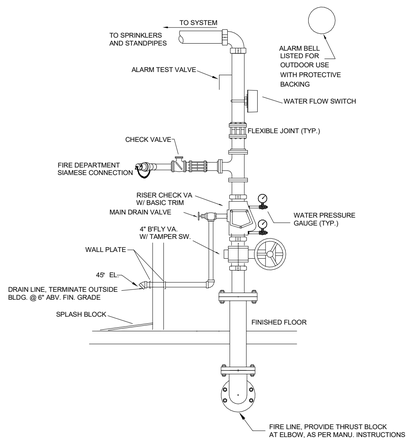
Seal
STATE OF LOUISIANA
FRANK S. THOMPSON
#28854
PROFESSIONAL ENGINEER IN
MECHANICAL ENGINEERING

Date 09/25/25

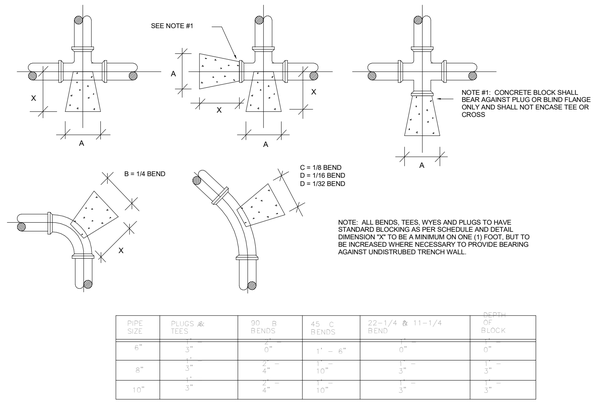
State Proj. #
19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
State ID #	xxxxx	File Name	LHMC1
PM/PIC	FST	Drawn By	KGV

SP102

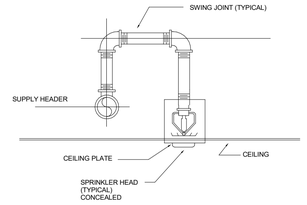


1 DETAIL - WET SPRINKLER RISER
SCALE: NO SCALE

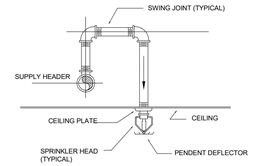


PIPE SIZE	PLUGS & TEES	90° B BENDS	45° C BENDS	22-1/4° & 11-1/4° BEND	DEPTH OF BLOCK
6"	3"	5"	1' - 6"	6"	6"
8"	3"	4' - 2"	10"	3"	3"
10"	3"	4' - 2"	10"	3"	3"

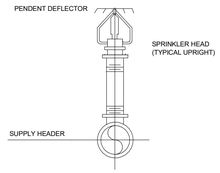
2 DETAIL - CONCRETE THRUST BLOCKS
SCALE: NO SCALE



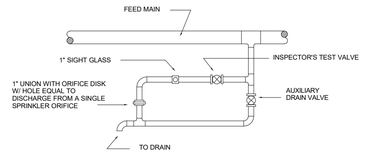
3 DETAIL - CONCEALED TYPE SPRINKLER HEAD
SCALE: NO SCALE



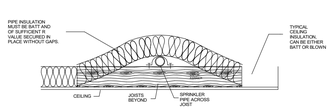
4 DETAIL - PENDANT TYPE SPRINKLER HEAD
SCALE: NO SCALE



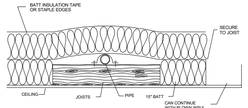
5 DETAIL - EXPOSED STRUCTURES SPRINKLER HEAD
SCALE: NO SCALE



6 DETAIL - INSPECTOR'S TEST VALVE
SCALE: NO SCALE



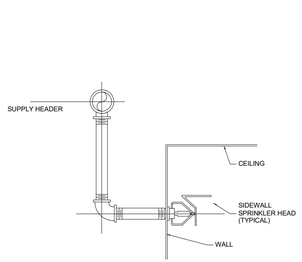
PIPING PERPENDICULAR WITH CEILING JOIST



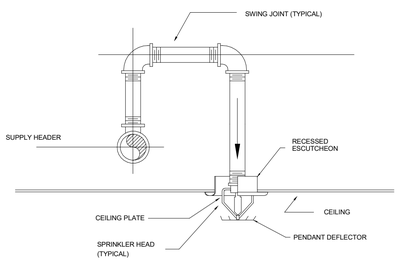
PIPING PERPENDICULAR WITH CEILING JOIST

PIPING PARALLEL WITH CEILING JOIST

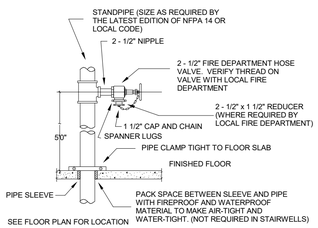
7 DETAIL - SPRINKLER PIPING INSULATION
SCALE: NO SCALE



8 DETAIL - SIDEWALL TYPE SPRINKLER HEAD
SCALE: NO SCALE



9 DETAIL - SEMI-RECESSED TYPE SPRINKLER HEAD
SCALE: NO SCALE



10 DETAIL - FIRE DEPARTMENT HOSE VALVE
SCALE: NO SCALE

SPRINKLER PLAN GENERAL NOTES:

A. THE SPRINKLER ARRANGEMENT AND PIPING SHOWN IS MEANT TO CONVEY THE GENERAL REQUIRED DESIGN PARAMETERS ONLY AND THE SPRINKLER CONTRACTOR SHALL HYDRAULICALLY CALCULATE AND DESIGN THE SPRINKLER SYSTEM TO CONFORM TO INSURANCE COMPANY REQUIREMENTS, STATE FIRE MARSHALL AND ALL APPLICABLE CODES. THE SYSTEM SHALL BE A WET/DRY TYPE SYSTEM AND SHALL BE ARRANGED AS NOT TO INTERFERE WITH LIGHTS AND CEILING PLATES AND SHALL NOT BE IN CONTACT WITH ANY PART OF CEILING SUPPORT. ALL PIPING SIZING AND SPACING SHALL BE AS INDICATED IN SPECIFICATIONS.
B. ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES WHERE APPLICABLE. ANY RELOCATION OF HEADS SHALL BE AT CONTRACTOR'S EXPENSE IN ORDER TO CENTER HEADS IN TILE.
C. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE EXACT LOCATION OF ALL SPRINKLER HEADS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL PLANS, MECHANICAL, PLUMBING AND STRUCTURAL PLANS TO AVOID CONFLICTS WITH LIGHTS, SPEAKERS, GRILLES, REGISTERS, DIFFUSERS, ETC. CEILING APPURTENANCES ARE SUBJECT TO CHANGE FROM THOSE INDICATED ON THIS PLAN. COORDINATION IS REQUIRED PRIOR TO ORDERING OR BEGINNING ANY WORK. NO CHANGE ORDERS SHALL BE GIVEN FOR THIS ITEM.
D. PROVIDE INSPECTOR'S TEST TEE AT ALL POINTS REQUIRED IN SYSTEM.
E. FIRE PROTECTION CONTRACTOR SHALL SEAL AROUND ALL PENETRATIONS OF FIRE AND SMOKE PARTITIONS, FLOORS, ETC. BY ALL SPRINKLER PIPING, CONTROL WIRING ETC., WITH FIRE RESISTANT MATERIAL.
F. PROVIDE THRUST BLOCK AT ALL UNDERGROUND TURNS OF SPRINKLER PIPING, REFER TO DETAIL.
G. SPRINKLER HEADS: SUSPENDED CEILING - CONCEALED HEADS. EXPOSED CEILINGS - UPRIGHT TYPE HEADS.
H. CONTRACTOR SHALL EXTEND ZONES (DRY OR WET) TO ACCOMMODATE. THE ZONES SHOWN ARE CONCEPTUAL ONLY. ALL LINES MUST BE COORDINATED TO FIT IN CEILING SPACE. CONTRACTOR TO ADD ZONES AS NECESSARY TO PROPERLY PROTECT AND ZONE THIS ENTIRE FACILITY. ALL ZONE VALVES MUST BE TIED INTO THE FIRE ALARM SYSTEM. NO CHANGE ORDER WILL BE GIVEN FOR THIS ITEM. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE SYSTEM. ZONES SHALL BE LIMITED IN SIZE ACCORDING TO NFPA 13.
I. CONTRACTOR SHALL HEAT TRACE ANY PIPING THAT IS RUNNING ABOVE ANY UNHEATED SPACES. THIS INCLUDES PROVIDING ALL ELECTRICAL NECESSARY. NO CHANGE ORDER WILL BE GIVEN FOR THIS.
J. CONTRACTOR SHALL TEST SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA. 200 PSI FOR TWO HOURS. COMPLETE SPRINKLER SYSTEM MUST BE IN PLACE AND ALL PIPING MUST BE EXPOSED FOR TEST. NO EXCEPTIONS.
K. CONTRACTOR SHALL PROVIDE FIRE PROTECTION ABOVE AND BELOW ALL CEILING SPACES.
L. CONTRACTOR SHALL RUN ALL SPRINKLER LINES PARALLEL TO THE STRUCTURE AND AS HIGH AND TIGHT AS POSSIBLE TO STRUCTURE. CONTRACTOR MUST INCLUDE ALL NECESSARY ELBOWS, TRANSITIONS AND PIPING AS NEEDED TO ACCOMMODATE THIS ITEM.
M. CONTRACTOR SHALL PROVIDE COMPLETE FIRE PROTECTION FOR ALL STAIRS ABOVE AND BELOW AND IN STRICT ACCORDANCE WITH NFPA 13.
N. CONTRACTOR MUST COORDINATE WITH ALL UTILITIES AND STRUCTURAL UNDERGROUND PRIOR TO ORDERING OR ROUGH IN. NO CHANGE ORDERS WILL BE GIVEN.

FIRE PROTECTION LEGEND

	SIDEWALL SPRINKLER HEAD
	UPRIGHT PENDANT TYPE SPRINKLER HEAD
	SPRINKLER HEAD, CONCEALED POP OUT TYPE
D	DRY PENDANT TYPE SPRINKLER HEAD
	STANDPIPE SPK RISER W/FLOW CONTROL VA. ASSEMBLY
	CHROME, UPRIGHT TYPE SPRINKLER HEAD SUITABLE FOR GYMNASIUM USE
	HOSE CABINET MOUNTED ON WALL

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No.	Revision/Description	Date
E.	CDS - ISSUED FOR BID	09/25/25
D.	CDS - ISSUDE FOR APPROVAL	05/15/25
C.	CDS - ISSUED FOR APPROVAL	04/21/25
B.	SCHEMATIC/DESIGN DEVELOPMENT	09/22/25

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE/WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
SPRINKLER DETAILS

Seal: STATE OF LOUISIANA · FRANCIS SAVILLE THOMPSON · 28854 · REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

Date 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # XXXXX File Name LHMC1
PM/PIC FST Drawn By KGV

SP103

ELECTRICAL SYMBOL LEGEND

(REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS)

GENERAL

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

WIRE, CONDUIT, AND RACEWAY

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

DISTRIBUTION

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

EQUIPMENT CONNECTIONS

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

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

POWER DEVICES

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING; SUBSCRIPT (WHEN USED): CR - CORD REEL
- ABOVE-COUNTER DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
- GFCI DUPLEX RECEPTACLE
- ABOVE-COUNTER GFCI DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
- QUADRAPLEX RECEPTACLE
- ABOVE-COUNTER QUADRAPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
- SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH THE MANUFACTURER OF THE EQUIPMENT SERVED
- VOICE/DATA/POWER FLUSH FLOOR BOX
- DUPLEX RECEPTACLE FLUSH FLOOR BOX
- QUADRAPLEX RECEPTACLE FLUSH FLOOR BOX

TELECOMMUNICATIONS

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

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

LIGHTING

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

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

FIRE ALARM

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

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

SECURITY (EQUIPMENT PROVIDED BY OWNER/OTHERS)

(EQUIPMENT PROVIDED BY OTHERS)

- KP JUNCTION BOX FOR KEYPAD; INSTALL 48" AFF AND PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
- DC JUNCTION BOX FOR DOOR CONTACT (MAGNETIC LOCK); PROVIDE 3/4"EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
- CR JUNCTION BOX FOR CARD READER; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
- JUNCTION BOX FOR CEILING MOUNTED CAMERA; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
- JUNCTION BOX FOR WALL MOUNTED CAMERA; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE AHJ.
2. THE WORDS "PROVIDE" AND "PROVIDED" AS USED HERIN SHALL BE UNDERSTOOD TO MEAN, "PROVIDE COMPLETE IN PLACE," THAT IS "FURNISH AND INSTALL". EQUIPMENT AND MATERIAL INDICATED TO BE PROVIDED SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE OF THE MOST SUITABLE GRADE FOR THE PURPOSE INTENDED.
3. ROUTE NEW CONDUIT AND WIRING CONCEALED IN WALLS AND CEILING WHERE POSSIBLE. COORDINATE INSTALLATION OF EXPOSED CONDUIT AND WIRING WITH THE ARCHITECT.
4. CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO NEW HVAC UNITS AS FURNISHED BY THE MECHANICAL CONTRACTOR. VERIFY THE EXACT ELECTRICAL REQUIREMENTS WITH THE REVIEWED HVAC SUBMITTALS PRIOR TO ORDERING ELECTRICAL EQUIPMENT.
5. BEFORE INSTALLATION, CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, SUPPORTS, ETC.
6. CONTRACTOR IS RESPONSIBLE FOR OVER-CURRENT PROTECTIVE DEVICE SHORT CIRCUIT, COORDINATION, AND ARC-FLASH STUDIES.
7. MATERIALS AND MANUFACTURERS NOTED ON DRAWINGS ARE TO BE USED AS BASIS OF DESIGN TO ESTABLISH QUALITY AND PERFORMANCE STANDARDS AND SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE CONSIDERED WHERE SUFFICIENT PRODUCT INFORMATION IS PROVIDED TO MAKE A PROPER EVALUATION. REVIEW OF A SUBSTITUTION IS AT THE SOLE DISCRETION OF THE PROFESSIONAL.
8. THE CONTRACTOR SHALL SUBMIT COPIES OF THE PRODUCT DATA, SHOP DRAWINGS, ETC. OF ALL MATERIALS NOTED ON THE DRAWINGS. ALL SUBMITTED PRODUCT DATA, SHOP DRAWINGS, ETC. SHALL BE MARKED WITH THE NAME OF THE PROJECT AND SHALL BEAR THE STAMP OF APPROVAL OF THE CONTRACTOR AS EVIDENCE THAT THE MATERIAL HAS BEEN CHECKED BY THE CONTRACTOR.
9. DRAWINGS SPECIFIC TO THIS TRADE DO NOT LIMIT THE RESPONSIBILITY OR WORK REQUIRED BY THE CONTRACT DOCUMENTS. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR COMPLETE INFORMATION PRIOR TO BID.
10. WHERE CONFLICTS EXIST AMONG DRAWINGS, SPECIFICATIONS, AND EQUIPMENT SCHEDULES, THE MOST STRINGENT REQUIREMENT OR QUANTITY SHALL APPLY. NOTIFY THE ARCHITECT/ENGINEER OF ALL CONFLICTS FOR RESOLUTION OR INTERPRETATION.
11. NO EQUIPMENT SHALL BE ORDERED OR INSTALLED UNTIL THE PROJECT ENGINEER HAS RECEIVED A COPY STAMPED "NO EXCEPTIONS TAKEN." "NO EXCEPTIONS TAKEN" DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE CONTRACT, EXTEND TO QUANTITIES OR DIMENSIONS, IMPLY THAT THE EQUIPMENT CAN BE INSTALLED OR OPERATE SATISFACTORILY, THAT THE EQUIPMENT CONTAINS ALL NECESSARY COMPONENTS, OR THAT IT WILL COORDINATE WITH OTHER REVIEWED ITEMS.
12. OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
13. COORDINATE INSTALLATION OF NEW ITEMS AND EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL INCUR ALL COSTS ASSOCIATED WITH THE RELOCATION OF EQUIPMENT CONFLICTING WITH NEW WORK BY OTHER TRADES THAT HAS NOT BEEN COORDINATED.
14. COORDINATE ALL ASPECTS OF NEW SERVICE WITH UTILITY COMPANY AND INCLUDE ALL COSTS IN BID.
15. WARNING TAPE SHALL BE INSTALLED 12 TO 18 INCHES BELOW GRADE OVER ALL CONDUITS.
16. PROVIDE 1/4" MINIMUM DIAMETER PULL ROPE. PULL ROPE SHALL NOT BE NYLON STRING.
17. FOR SERVICE ENTRANCE CONDUITS, UTILIZE LONG RADIUS (36") CONDUIT BENDS.
18. ALL CONDUIT RISERS FROM UNDERGROUND SHALL HAVE RIGID METAL ELLS AND RISERS.
19. PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THIS PROJECT.
20. ALL 277V, 20A CIRCUIT HOMERUNS OVER 150' IN LEGTH SHALL BE 3/4" C., 2#10, 1#10 GND. ALL 277V 20A CIRCUIT HOMERUNS OVER 300' IN LEGTH SHALL BE 1" C., 2#8, 1#10 GND.
21. ALL 120V, 20A CIRCUIT HOMERUNS OVER 75' IN LEGTH SHALL BE 3/4" C. 2#10, 1#10GND. ALL 120V, 20A CIRCUIT HOMERUNS OVER 150' IN LENGTH SHALL BE 3/4" C., 2#8, 1#10GND.

ELECTRICAL SHEET INDEX

E000	ELECTRICAL COVER SHEET
E001	SITE PLAN
E100	FIRST FLOOR POWER PLAN
E101	MEZZANINE POWER PLAN
E102	ENLARGED FLOOR PLANS
E200	LIGHT FIXTURE SCHEDULE
E201	FIRST FLOOR LIGHTING PLAN
E202	MEZZANINE LIGHTING PLAN
E203	ENLARGED LIGHTING PLANS
E300	POWER RISER DIAGRAM
E301	PANEL SCHEDULES / TELECOM RISER DIAGRAM
E302	PANEL SCHEDULE
E304	ADD ALTERNATE NO.1 - PANEL SCHEDULES
E400	ELECTRICAL DETAILS
E401	ELECTRICAL DETAILS

SPECIAL SYSTEMS GENERAL NOTES

1. VERIFY EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ELECTRICAL GEAR.
2. FOR ALL CAMERA LOCATIONS, PROVIDE ONE (1) GREEN JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
3. FOR ALL WIRELESS ACCESS POINT LOCATIONS, PROVIDE ONE (1) YELLOW JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
4. PROVIDE AN ADDITIONAL 10%, OR ONE (1), WHICHEVER IS GREATER, OF THE FOLLOWING DEVICES WHICH ARE INCLUDED IN THE PROJECT, AND INSTALL THEM AT THE DIRECTION OF THE ARCHITECT, ENGINEER, OR AHJ DURING THE COURSE OF THE PROJECT. PROVIDE ALL REQUIRED CONDUIT, INTERCONNECTIONS, CONDUCTORS, PROGRAMMING, ETC. AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER: INITIATING DEVICES (PULL STATIONS, SMOKE DETECTORS, THERMAL DETECTORS, ETC.), NOTIFICATION APPLIANCES (STROBES, HORN STROBES, SPEAKER STROBES, SPEAKERS, DUCT DETECTORS, ETC.), AND MONITORING MODULES.
5. VERIFY REQUIRED QUANTITY OF DUCT DETECTORS WITH DUCTWORK CONFIGURATION AS IT IS ACTUALLY INSTALLED. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

TELECOMMUNICATIONS GENERAL NOTES

1. PROVIDE 1" CONDUIT AND TWO (2) CAT 6 CABLES AT EACH DATA OUTLET SHOWN. ROUTE TO ABOVE CEILING AND ROUTE TO TELEPHONE BACKBOARD IN IT ROOM. COIL UP 10' OF SLACK FOR TERMINATIONS BY OWNER.
2. OWNER SHALL PROVIDE THE WALL MOUNT DATA RACK, ALL ITEMS INCLUDED IN THE DATA RACK, AND ANY NECESSARY TELEPHONE EQUIPMENT.
3. PLYWOOD FOR BACKBOARDS SHALL BE 0'-1" AC INDOOR GRADE, FIRE RETARDANT, AND PAINTED AS SPECIFIED.
4. COMMON BOND RACKS, PATCH PANELS, CABLE SHIELDS, PROTECTORS, AND THE BUILDING MAIN ELECTRICAL GROUNDING CONDUCTORS SHALL BE, AT MINIMUM, #6 AWG INSULATED AND STRANDED COPPER. FASTENERS SHALL BE RECESSED AND ANCHORED.
5. SUBMIT DIGITAL PHOTOGRAPHS OF ALL TERMINATIONS TO MAIN ELECTRICAL SERVICE GROUNDING MEANS.
6. ALL BACKBOARDS SHALL BE EQUIPPED WITH D-RINGS SPACED AT 1'-0" APART AROUND ALL EDGES OF THE PLYWOOD TO SUPPORT CABLE AND WIRE.
7. CAT 6 CABLES FOR DATA OUTLETS SHALL HAVE BLUE JACKETS AND CAT 6 CABLES FOR VOICE OUTLETS SHALL HAVE WHITE JACKETS.

LIGHTING GENERAL NOTES

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

FIRE ALARM INTIATION AND NOTIFICATION APPLIANCE SCHEDULE

NOTES:

1. THE BELOW SPECIFIES ONE MANUFACTURER. ALTERNATE MANUFACTURERS MAY BE SUBMITTED FOR APPROVAL PROVIDED THAT THEY MEET AND/OR EXCEED THE PERFORMANCE CHARACTERISTS OF THE DEVICE SPECFIED.
2. REFER TO DRAWINGS FOR LOCATIONS AND ANY/ALL SPECIAL CONDITIONS.

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	COUNT
(R)	CEILING MOUNTED HORN/STROBE	SYSTEM SENSOR	SPECTRAALERT ADVANCE SERIES	14
	CEILING MOUNTED STROBE	SYSTEM SENSOR	SPECTRAALERT ADVANCE SERIES	17
(D)	DUCT DETECTOR	HONEYWELL	VELOCITI SERIES	4
F S S	FIRE ALARM COMBO FLOW/TAMPER SWITCH	EDWARDS	SIGA-CT2	1
T S	FIRE ALARM TAMPER SWITCH	EDWARDS	SIGA-CT1	1
(S)	SMOKE DETECTOR	HONEYWELL	VELOCITI SERIES	2

ABBREVIATIONS

A	AMPERE(S)	CATV	CABLE TELEVISION	EF	EXHAUST FAN	FOC	FIBER OPTIC CABLE	MCB	MAIN CIRCUIT BREAKER	NO	NORMALLY OPEN	SF	SUPPLY FAN	UGS	UNDERGROUND SECONDARY
AC	ABOVE COUNTER (6" ABOVE BACKSPLASH)	CB	CIRCUIT BREAKER	EGC	EQUIPMENT GROUNDING CONDUCTOR	G, GND	GROUND	MCM/KCMIL	1,000 CIRCULAR MILS	NU	WEATHERPROOF IN-USE COVER	S/N	SOLID NEUTRAL	UH	UNIT HEATER
AF	AMPERE(S) FUSED	CKT	CIRCUIT	EMER.	EMERGENCY	GEC	GROUNDING ELECTRODE CONDUCTOR	MECH.	MECHANICAL	OH	OVERHEAD	SPD	SURGE PROTECTIVE DEVICE	UL	UNDERWRITER'S LABORATORY, INC.
AFCI	ARC FAULT CIRCUIT INTERRUPTER	CLG	CLG	EMT	ELECTRICAL METALLIC TUBING	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MH	MANHOLE	OHE	OVERHEAD ELECTRICAL	STD	STANDARD	UON	UNLESS OTHERWISE NOTED
AFF	ABOVE FINISHED FLOOR	CORR	CORRIDOR	EQ	EQUAL	GRS	GALVANIZED RIGID STEEL	MLO	MAIN LUGS ONLY	OSP	OUTSIDE PLANT	TEL	TELEPHONE	V	VOLTS
AFG	ABOVE FINISHED GRADE	CT	CURRENT TRANSFORMER	EQUIP.	EQUIPMENT	HH	HANDHOLE	MOCP	MAXIMUM OVERCURRENT PROTECTION	UPP	UTILITY POWER POLE	TELECOM	TELECOMMUNICATIONS	VAC	VOLTS ALTERNATING CURRENT
AIC	ABOVE FINISHED GRADE	CTRL	CONTROLLER	EWC	ELECTRIC WATER COOLER	HP	HORSEPOWER	MTD	MOUNTED	PB	PULL BOX	TGB	TELECOMMUNICATIONS GROUND BUS	VDC	VOLTS DIRECT CURRENT
AT	AMP SYMMETRICAL INTERRUPTING CAPACITY RMS	D	TO BE DEMOLISHED	EWH	ELECTRICA WATER HEATER	KAIC	1,000 AMP SYMMETRICAL INTERRUPTING CAPACITY RMS	MTG	MOUNTING	PH	PHASE	TMGB	TELECOMMUNICATIONS MAIN GROUND BUS	VFD	VARIABLE FREQUENCY DRIVE
AWG	AMERICAN WIRE GAUGE	DISC.	DISCONNECT	EXIST.	EXISTING	KWH	1,000 WATT HOURS	NC	NORMALLY CLOSED	PNL	PANEL	TTB	TELECOM TERMINAL BOARD	WH	WATER HEATER
BG	BELOW GRADE	DIST.	DISTRIBUTION	FACP	FIRE ALARM CONTROL PANEL	KVA	1,000 VOLT AMPERES	NEC	NATIONAL ELECTRICAL CODE	PV	PHOTOVOLTAIC	TV	TELEVISION	WP	WEATHERPROOF
BLDG	BUILDING	DWG	DRAWING	FACPRA	FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATOR	LAN	LOCAL AREA NETWORK	NEU	NEUTRAL	PVC	POLYVINYL CHLORIDE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION	XFMR	TRANSFORMER
BKR	BREAKER	E	EXISTING TO REMAIN	FC	FOOTCANDLE	LC	LIGHTING CONTACTOR	NF	NON-FUSED	QTY	QUANTITY	TYP.	TYPICAL		
C	CONDUIT	EC	EMPTY CONDUIT	FCU	FAN COIL UNIT	LTG	LIGHTING	NIC	NOT IN CONTRACT	RCPT	RECEPTACLE	UG	UNDERGROUND		
CAT	CATEGORY	ECB	ENCLOSED CIRCUIT BREAKER	FLA	FULL LOAD AMPERE(S)	MCA	MINIMUM CIRCUIT AMPACITY	NL	NIGHT LIGHT	REQ'D	REQUIRED	UGP	UNDERGROUND PRIMARY		

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

GFP ARCHITECTURE INTERIOR DESIGN

THOMPSON LUKE & ASSOCIATES, L.L.C.
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BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 20-089
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484

No.	Revision/Description	Date
E	ISSUED FOR BID	09/25/25
D	CDS-ISSUE FOR APPROVAL	05/15/22
C	CDS-ISSUE FOR APPROVAL	04/21/22
B	SCHEMATIC DESIGN	09/22/21

CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

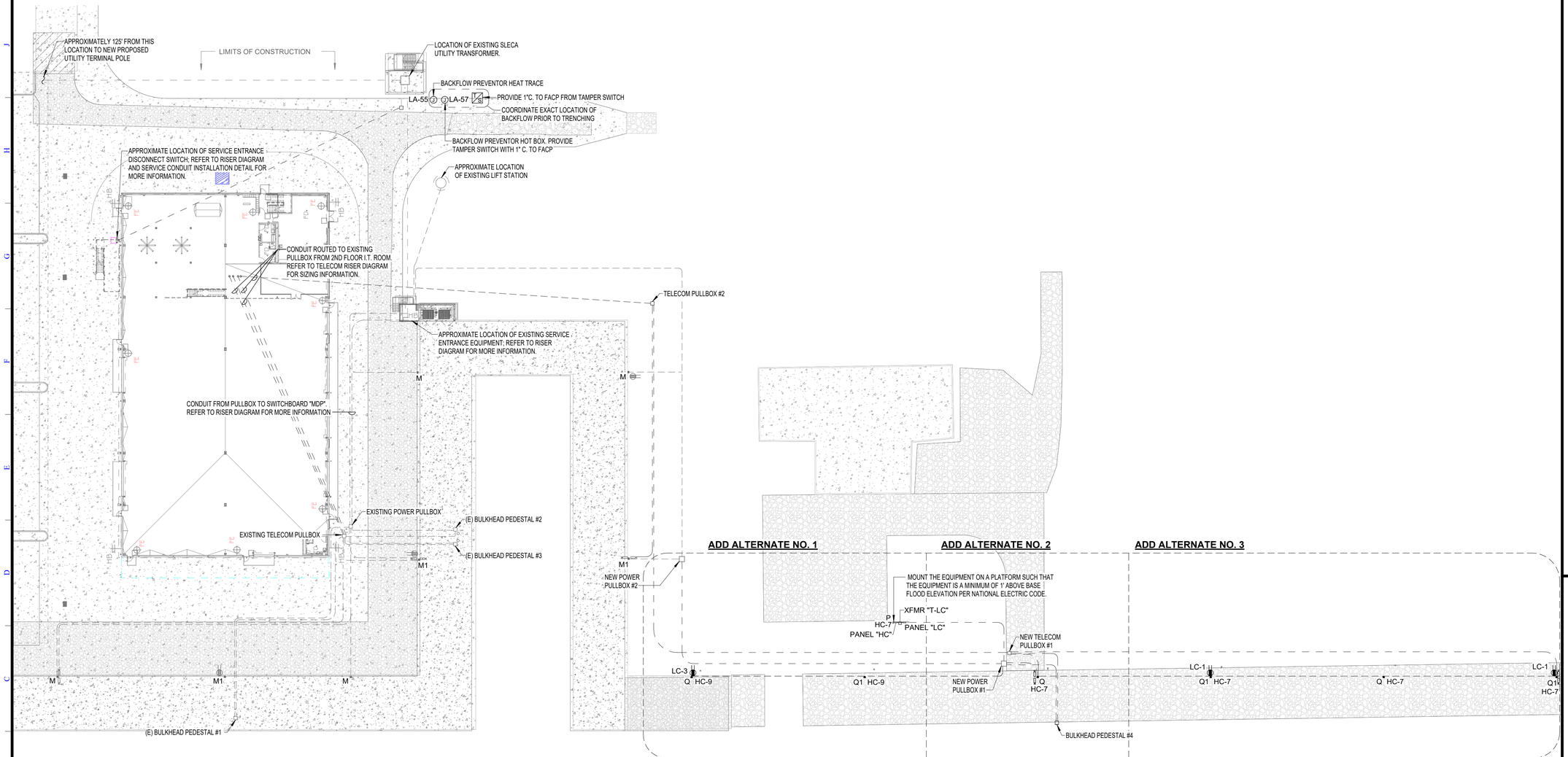
Drawing: ELECTRICAL COVER SHEET

Seal: STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING — 09/25/2025

Date: 09/25/2025

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
State ID # XXXXX | File Name LHMC1
PM/PIC LB | Drawn By KB

E000



1 SITE PLAN

1/32" = 1'-0" RE: /

ELECTRICAL GENERAL NOTE:

1. PROVIDE WIRE AS REQUIRED FROM EXISTING POLE MOUNTED LIGHTING FIXTURES SHOWN ON PLAN THROUGH EMPTY CONDUIT PROVIDED IN PHASE ONE TO PANEL "HA".

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
SITE PLAN

Seal
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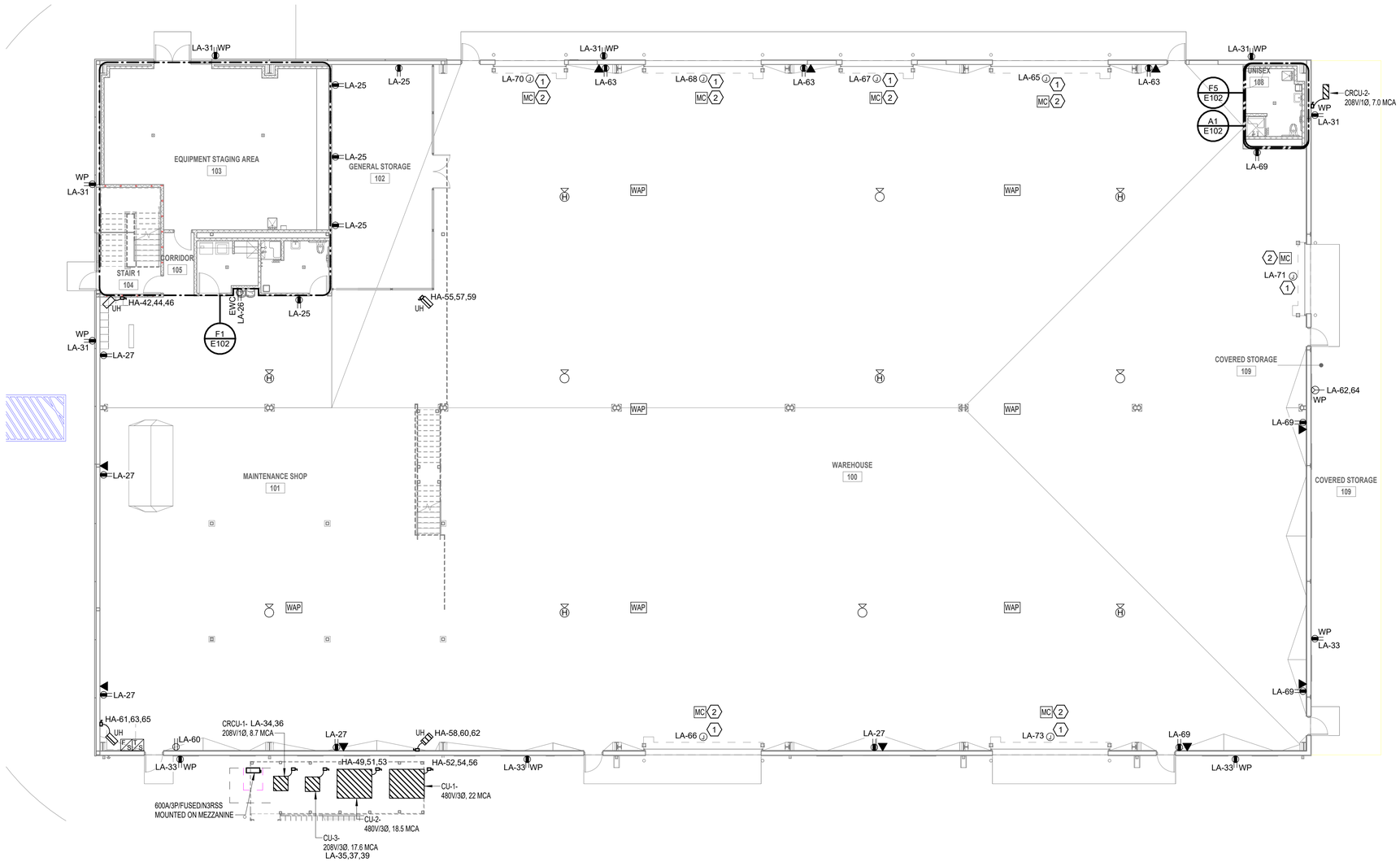
E001



ELECTRICAL KEYED NOTES:

1. MOTORIZED ROLLING DOOR; PROVIDE CONDUIT AND WIRE PER MANUFACTURER SPECIFICATIONS. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.
2. OVERHEAD DOOR CONTROL; PROVIDE CABLING/CONDUIT AS REQUIRED FOR DATA/POWER. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN

ELECTRICAL GENERAL NOTES:

1. ALL DISCONNECT SWITCHES LOCATED ON THE EXTERIOR SHALL BE NEMA-3R SS.
2. MOUNT ALL RECEPTACLES AND DATA OUTLETSON THE FIRST FLOOR AT 48" AFF.

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing FIRST FLOOR POWER PLAN

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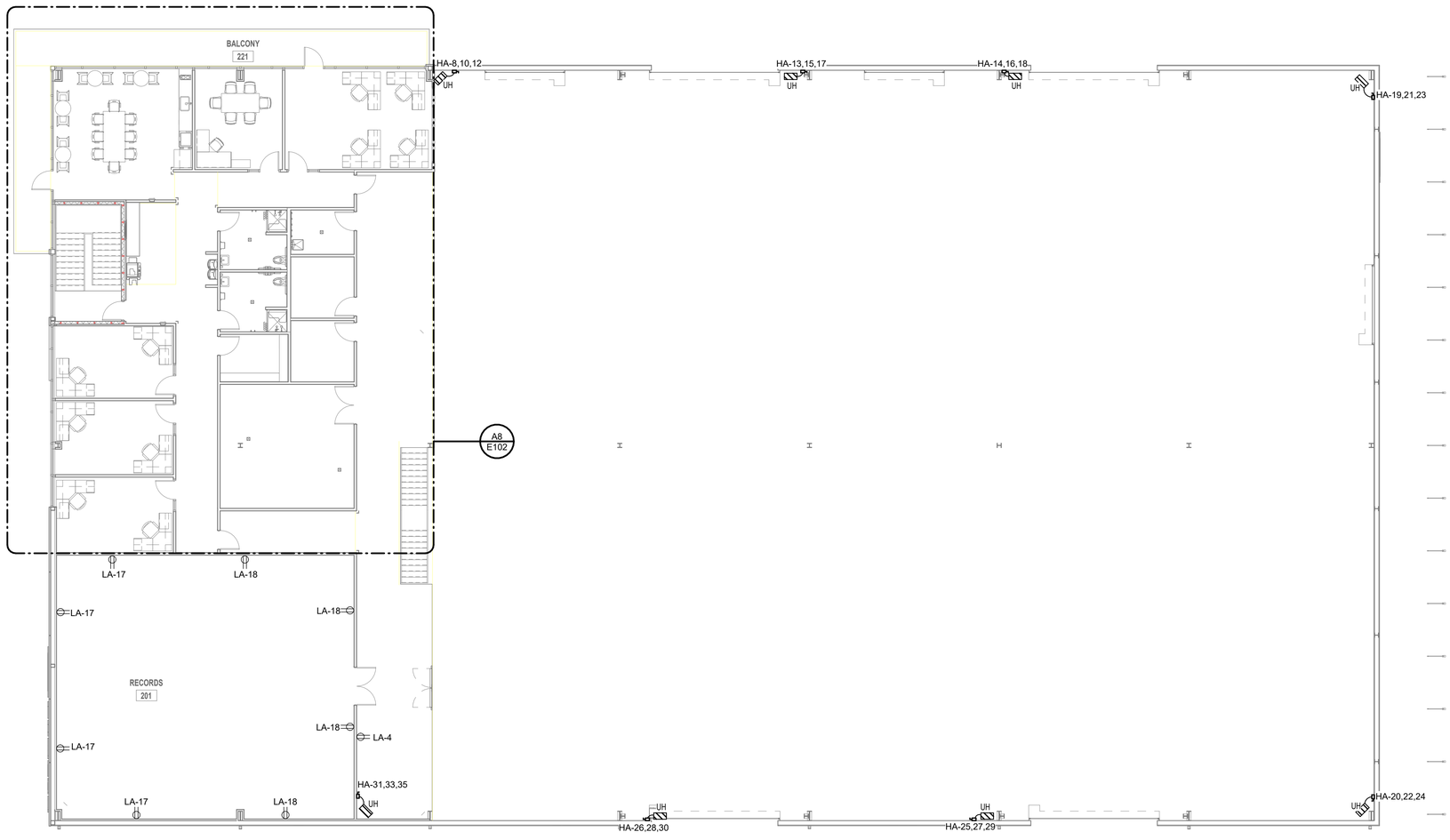
State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
State ID # XXXXX | File Name LH/IC1
PM/PIC LB | Drawn By KB
Date 09/25/2025

E100

A1 1ST FLOOR POWER PLAN

3/32" = 1'-0" RE: /



ELECTRICAL GENERAL NOTES:

1. ALL DISCONNECT SWITCHES LOCATED ON THE EXTERIOR SHALL BE NEMA-3R SS.

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
MEZZANINE POWER PLAN

Seal
STATE OF LOUISIANA
CAMDEN DAVID BURNS
License No. 46484
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
09/25/2025

State Proj. #
19-674-19-01, F.19002314

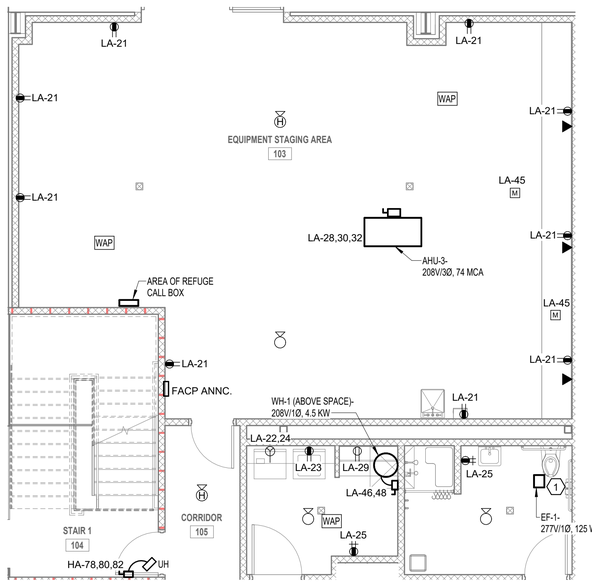
Site ID #	3-55-003	Project No.	2020-23
State ID #	xxxxx	File Name	LHMC1
PM/PIC	LB	Drawn By	KB

Date 09/25/2025

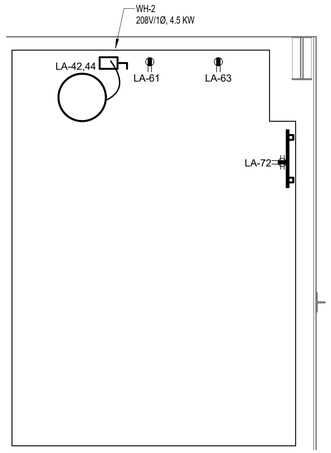
E101

A1 2ND FLOOR POWER PLAN

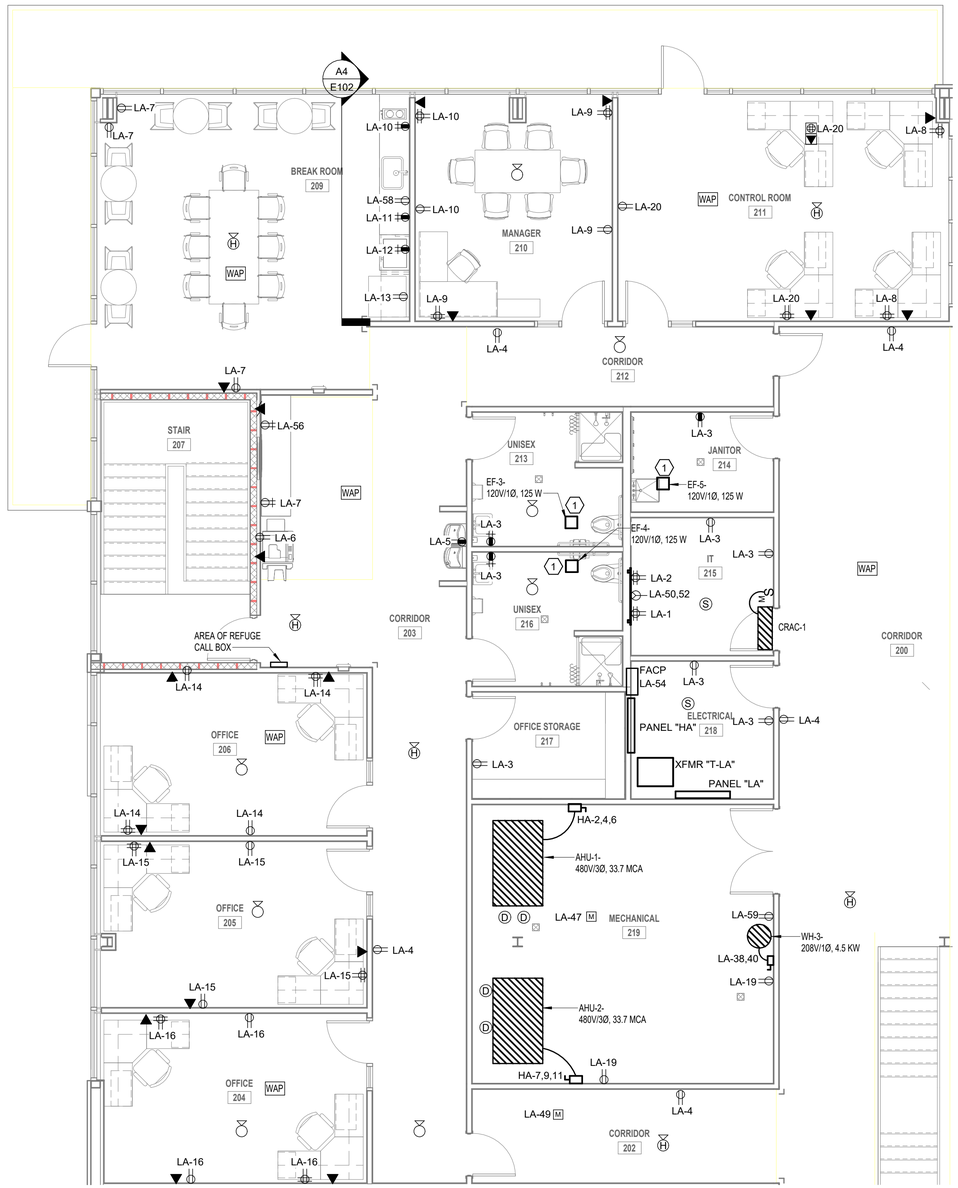
3/32" = 1'-0" RE: /



F1	ENLARGED SHOWCASE ROOM
3/16" = 1'-0"	RE: A1 / E100

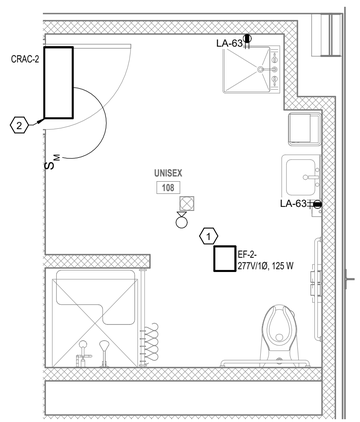


F5	ENLARGED RESTROOM MEZZANINE
3/8" = 1'-0"	RE: A1 / E100

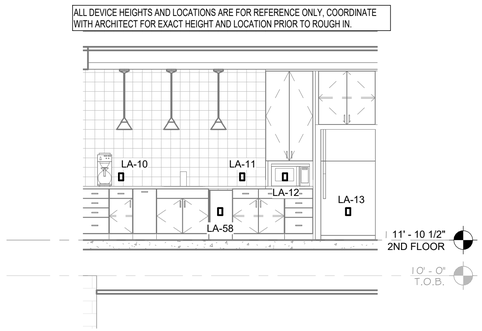


ELECTRICAL KEYED NOTES:

1. INTERLOCK EXHAUST FAN CONTROL WITH LIGHTING CIRCUIT FOR POWER AND CONTROL.
2. UNIT IS POWERED VIA ASSOCAITED OUTDOOR UNIT. PROVIDE 1" C.AND #12 CABLING AS REQUIRED PER MANUFACTURER SPECIFICATIONS. PROVIDE 208V CONNECTION TO INTEGRAL CONDENSTATE PUMP PER MANUFACTUER SPECS.



A1	ENLARGED RESTROOM POWER PLAN
3/8" = 1'-0"	RE: A1 / E100



A4	SECOND FLOOR BREAK ROOM COUNTER
1/4" = 1'-0"	RE: A8 / E102

A8	ENLARGED 2ND FLOOR POWER PLAN
3/16" = 1'-0"	RE: A1 / E101

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II

OFFICE / WAREHOUSE BUILDING & BULKHEAD

HOUMA, LA

Drawing

ENLARGED FLOOR PLANS

Seal

STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER — IN THE STATE OF LOUISIANA — ELECTRICAL ENGINEERING

State Proj. #	19-674-19-01, F.19002314		
Site ID #	3-55-003	Project No.	2020-23
State ID #	xxxxx	File Name	LHMC1
PM/PIC	Approver	Drawn By	KB
Date	09/25/2025		

E102

LIGHTING FIXTURE SCHEDULE

NOTES:
** FINISH TO BE SELECTED BY ARCHITECT

MARK	DESCRIPTION	LAMPS	VOLTS	LOAD	TEMP.	LUMENS	MOUNTING	OPTION 1	CATALOG NO.	OPTION 2	CATALOG NO.	COUNT
A	2'X4' LED FLAT PANEL	LED	UNV	50 VA	3,500	4,800	GRID	LITHONIA LIGHTING	EPANL-2x4-4800LM-80CRI-35K	METALUX	24FP4735	57
B	2'X2' LED FLAT PANEL	LED	UNV	40 VA	3,500	4,000	GRID	LITHONIA LIGHTING	EPANL-2x2-4000LM-80CRI-35K	METALUX	22FPFP4235C	2
C	8' HIGH HEAT RATED STRIP LIGHT WITH CHAIN MOUNTING AND WIRE GUARD.	LED	UNV	121 VA	4,000	14,000	SUSPENDED	LITHONIA LIGHTING	ZL1D-L96-14000LM-FST-MVOLT-40K-80CRI-**-HC36-M12-WGZ48	METALUX	8TSNLED LD5 110HL LW UNV L840 CD 1 AYC/ (2) CHAINSET WG SNF 4FT	44
CE	8' HIGH HEAT RATED STRIP LIGHT WITH CHAIN MOUNTING AND WIRE GUARD. INTEGRAL BATTERY BACKUP	LED	UNV	121 VA	4,000	14,000	SUSPENDED	LITHONIA LIGHTING	ZL1D-L96-14000LM-FST-MVOLT-40K-80CRI-E10WLCP-**-HC36-M12-WGZ48	METALUX	8TSNLED LD5 110HL LW UNV EL14W L840 CD 1 AYC/ (2) CHAINSET WG SNF 4FT	13
DE	4' LED STAIRWELL LIGHT WITH UP/DOWN LIGHT DISTRIBUTION. INTEGRAL BATTERY BACKUP	LED	UNV	40 VA	3,500	4,800	WALL	LITHONIA LIGHTING	BLWP4-48L-ADP-EZ1-LP835-E10WLCP-**	METALUX	4BCLED LD4 48HL F UNV EL14W L835 CD1	1
E	6" LED DOWNLIGHT	LED	UNV	20 VA	3,500	1,500	RECESSED	LITHONIA LIGHTING	LDN6-35K-15-LO6-LSS-MVOLT	HALO	HC6 15 D010 HM6 12 835 61 MD H	9
E1	6" WALLWASH LED DOWNLIGHT	LED	UNV	20 VA	3,500	1,500	RECESSED	LITHONIA LIGHTING	LDN6-35K-15-LW6-LSS-MVOLT	HALO	HC6 15 D010 HM6 12 835 61 MD H 61RWWPK	7
EE	6" LED DOWNLIGHT WITH BATTERY BACKUP	LED	UNV	20 VA	3,500	1,500	RECESSED	LITHONIA LIGHTING	LDN6-35K-15-LO6-LSS-MVOLT	HALO	HC6 15 D010 HM6 12 835 61 MD H	1
EM	EMERGENCY LIGHTING UNIT EQUIPMENT WITH TWO ADJUSTABLE LED HEADS. INTEGRAL BATTERY WITH SELF-DIAGNOSTICS.	LED	UNV	2 VA	N/A	N/A	CEILING/WALL	LITHONIA LIGHTING	ELM6L-UVOLT-LTP-SDRT	EXITRONIX	NFT-HO-**-G2	21
F	LED HIGH BAY LIGHT FIXTURE	LED	UNV	50 VA	4,000	4,800	GRID	LITHONIA LIGHTING	IBE-L48-18000LM-ATC-MD-MVOLT-GZ10-40K-80CRI-**-IBAC120-M100	METALUX	LHB 18 UNV L840 CD LHB Y TOGGLE 3M	85
FE	LED HIGH BAY LIGHT FIXTURE WITH INTEGRAL BATTERY BACKUP	LED	UNV	50 VA	4,000	4,800	GRID	LITHONIA LIGHTING	IBE-L48-18000LM-ATC-MD-MVOLT-GZ10-40K-80CRI-E15WCP-**-IBAC120-M100	METALUX	LHB 18 UNV L840 CD EPLED14W	23
G	DECORATIVE PENDANT FIXTURE	LED	UNV	13 VA	3,500	1,050	SUSPENDED	MODERN FORMS	PD-66110-3500K-BN	MODERN FORMS	PD-66110-3500K-BN	3
H	4' LED STRIP LIGHT WITH SEMI-FROSTED LENS. PROVIDE SUSPENSION HARDWARE AS REQUIRED.	LED	UNV	30 VA	3,500	5,000	SUSPENDED	LITHONIA LIGHTING	ZL1D-L48-5000LM-FST-MVOLT-35K-80CRI	METALUX	4SLSTP5535DD UNV ACY CHAIN/SET	12
K	8" LED DOWNLIGHT, WET LOCATION LISTED, SWITCHABLE LUMENS	LED	UNV	25 VA	3,500	1,500	RECESSED	LITHONIA LIGHTING	LDN8-ALO2-SWW1-LO8-AR-LL-LSS-MVOLT-UGZ	ASD	ASD CDL7 8DA30AC	13
L	4' LED STRIP LIGHT, WET LOCATION LISTED, SWITCHABLE LUMENS	LED	UNV	42 VA	3,500	4,000	SURFACE	LITHONIA LIGHTING	CSVT-L48-ALO3-MVOLT-SWW3-80CRI-STSL	METALUX	4VT3 LD5 4 G UNV L835 Cd1 SSL	6
M	EXISTING FIXTURE	LED	UNV	546 VA	-	-	POLE	-	-	-	-	4
M1	EXISTING FIXTURE WITH INTEGRAL RECEPTACLE	LED	UNV	546 VA	-	-	POLE	-	-	-	-	3
N	ARHITECTURAL LED WALL PACK	LED	UNV	50 VA	4,000	6,000	WALL	LITHONIA LIGHTING	ARC2-L180-40K-MVOLT-DDBXD	LUMARK	AXCL6A-**	12
P	VAPOR PROOF LED UNI-STRUT RACK LIGHT	LED	UNV	10 VA	4,000	850	WALL	LITHONIA LIGHTING	VP3-Q-W-10L-QT-50K	CANLET	68-**-12W-L-W-F-OG-01	1
Q	LED FIXTURE WITH TYPE 4 WIDE DISTRIBUTION, PHOTOELECTRIC CELL, MOUNTED ON 50'-0" SQUARE ALUMINUM POLE, RATED FOR 120 MPH WITH 1.3 GUST	LED	UNV	546 VA	4,000	68,000	POLE	LITHONIA LIGHTING	RSX4-LED-P6-40K-R3-MVOLT-SPA-PE-DDBXD	-	-	3
Q1	LED FIXTURE WITH TYPE 4 WIDE DISTRIBUTION, PHOTOELECTRIC CELL, MOUNTED ON 50'-0" SQUARE ALUMINUM POLE, RATED FOR 120 MPH WITH 1.3 GUST. PROVIDE 120V GFCI WEATHER PROOF DUPLEX RECEPTACLE.	LED	UNV	546 VA	4,000	68,000	POLE	LITHONIA LIGHTING	RSX4-LED-P6-40K-R3-MVOLT-SPA-PE-DDBXD	-	-	3
R	WET LOCATION RATED SIGNAGE LIGHT WITH A 36" STEM	LED	UNV	12 VA	3,000	600	WALL	HYDREL	PLACER-A-P2-80CRI-30K-120-40DEG-WSL-S36-**	TMS LIGHTING	D16-12LED-120-WM-**	11
X	WIRE GUARD EXIT SIGN WITH GREEN LETTERS. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED.	LED	UNV	1 VA	N/A	N/A	CEILING/WALL	LITHONIA LIGHTING	LQM-S-W-3-G-MVOLT-EL-N-SD-ELA-WG1	EXITRONIX	QXS U WB WH WG-S	13
Z	WET LOCATION LED EMERGENCY UNIT EQUIPMENT WITH INTEGRAL BATTERY BACKUP	LED	UNV	1 VA	N/A	N/A	WALL	LITHONIA LIGHTING	AFF-OEL-**-UVOLT-LTP-SDRT-WT	SURELITES	SELDWTA29 ** SD	7

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
LIGHT FIXTURE SCHEDULE

Seal
STATE OF LOUISIANA
LANDON DAVID BURNS
License No. 46484
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
09/25/25

Date 09/25/2025

State Proj. #
19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
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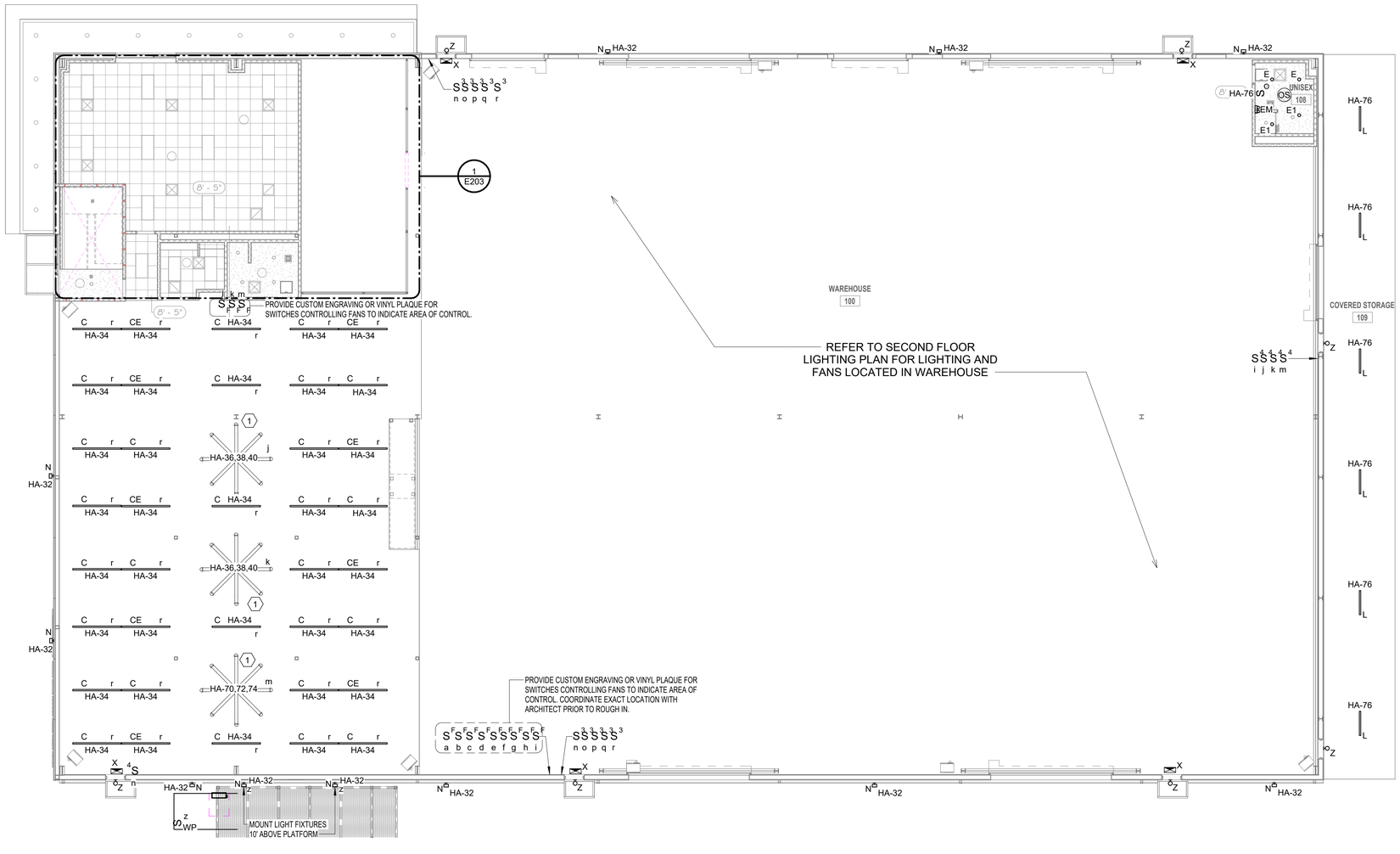
PM/PIC	Approver	Drawn By	KB

E200



A1 1ST FLOOR LIGHTING PLAN

3/32" = 1'-0" RE: /

ELECTRICAL GENERAL NOTES:

1. REFER TO SECOND FLOOR LIGHTING PLAN FOR FIXTURES CONTROLLED BY WAREHOUSE SWITCHES SHOWN.

ELECTRICAL KEY NOTES:

(1) PROVIDE 1" C. AND CAT 6 CABLE TO CONTROL LOCATIONS. INSTALL AND CONNECT FAN CONTROLLER FURNISHED BY DIVISION 23. COORDINATE ALL ELECTRICAL REQUIREMETNS WITH MANUFACTUERER SPECIFICATIONS PRIOR TO ROUGH-IN.

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing FIRST FLOOR LIGHTING PLAN

Seal STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER — ELECTRICAL ENGINEERING — 09/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
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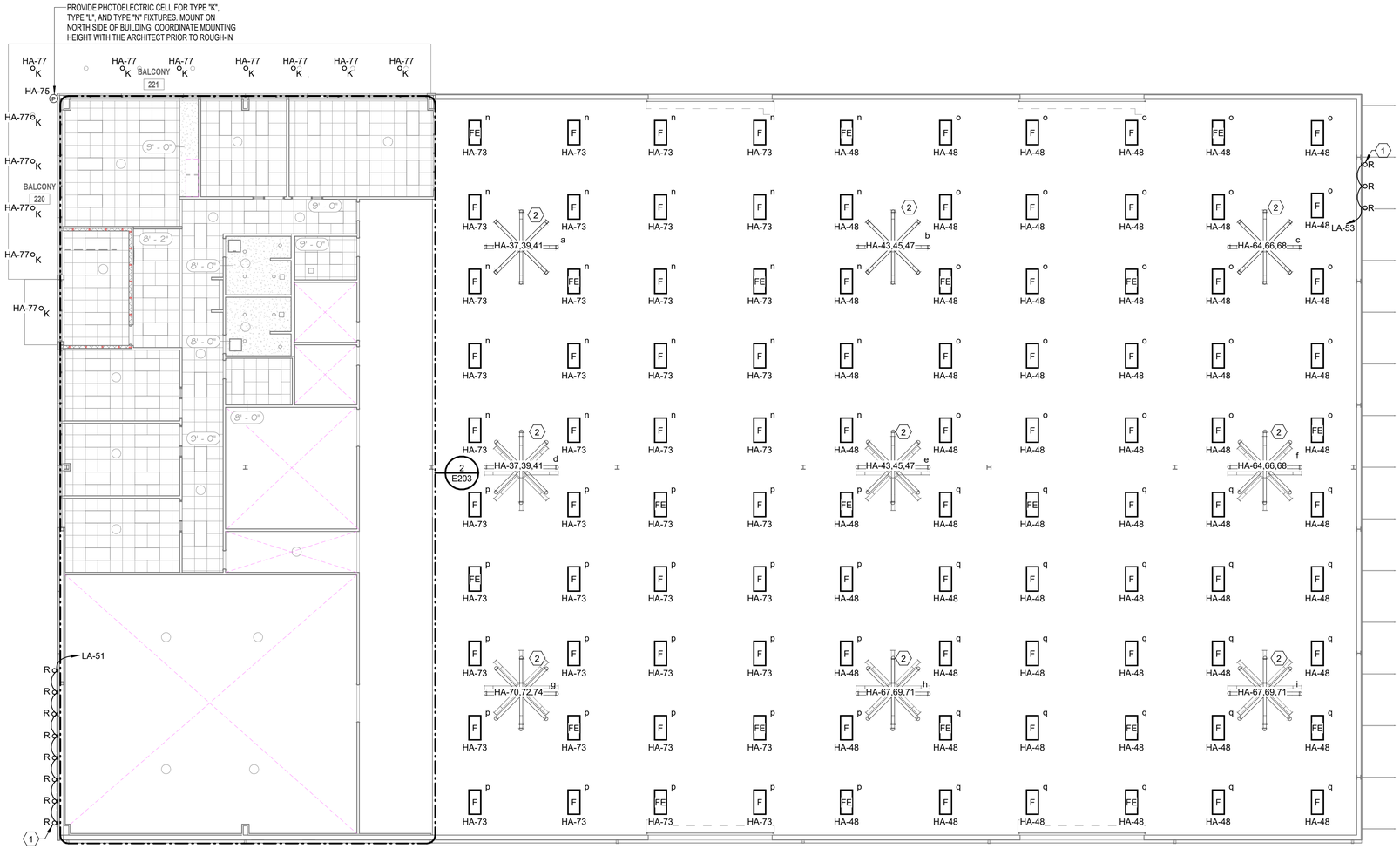
E201



ELECTRICAL KEY NOTES:

1. SIGNAGE LIGHTING, COORDINATE EXACT LOCATION/HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN(TYPICAL).
2. PROVIDE 1" C. AND CAT 6 CABLE TO CONTROL LOCATIONS. INSTALL AND CONNECT FAN CONTROLLER FURNISHED BY DIVISION 23. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTUERER SPECIFICATIONS PRIOR TO ROUGH-IN.

GFP ARCHITECTURE INTERIOR DESIGN

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 20-089
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484

No.	Revision/Description	Date
E.	ISSUED FOR BID	09/25/25
D.	CDS-ISSUE FOR APPROVAL	05/15/22
C.	CDS-ISSUE FOR APPROVAL	04/21/22
B.	SCHEMATIC DESIGN	09/22/21

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
MEZZANINE LIGHTING PLAN

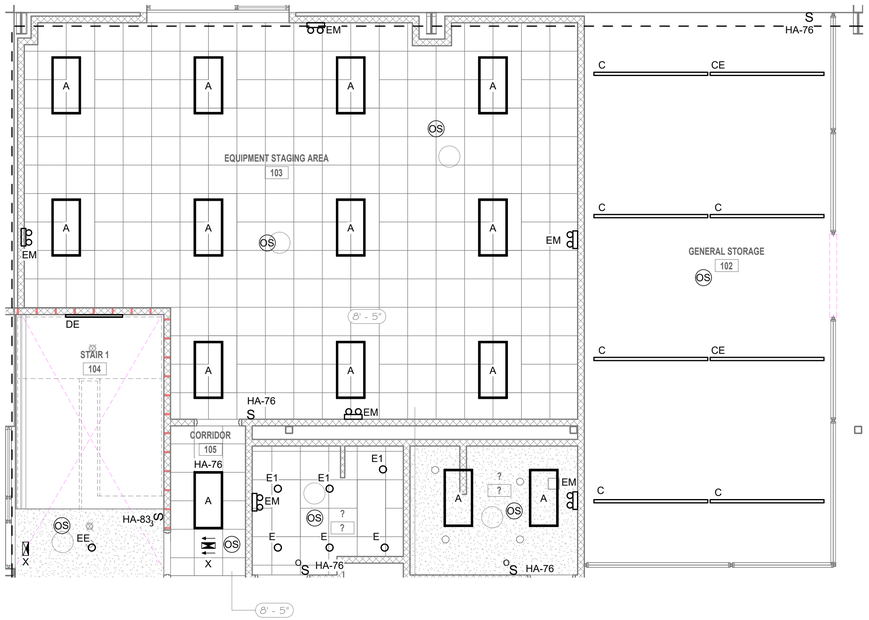
Seal: STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER — ELECTRICAL ENGINEERING — 09/24/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # XXXXX File Name LHMC1
PM/PIC LB Drawn By KB
Date 09/25/2025

E202

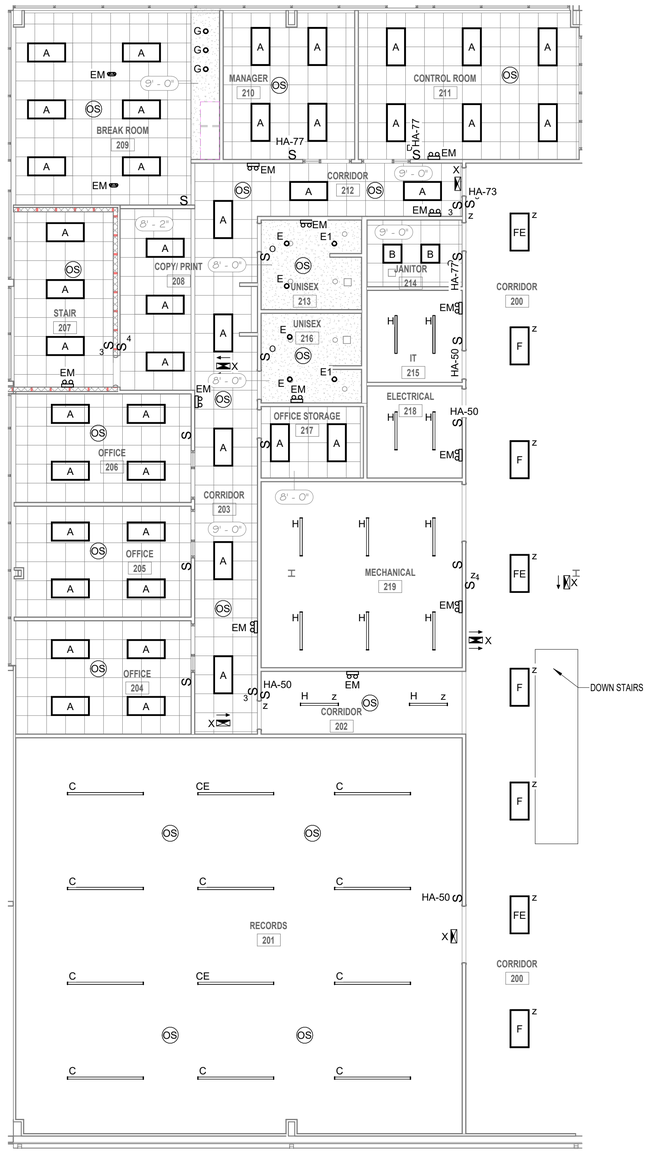
A1 2ND FLOOR LIGHTING PLAN

3/32" = 1'-0" RE: /



1 ENLARGED 1ST FLOOR LIGHTING PLAN

3/16" = 1'-0" RE: A1 / E201



2 ENLARGED MEZZANINE FLOOR LIGHTING PLAN

1/8" = 1'-0" RE: A1 / E202

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II

OFFICE / WAREHOUSE BUILDING & BULKHEAD

HOUMA, LA

Drawing ENLARGED LIGHTING PLANS

Seal: STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER — IN ELECTRICAL ENGINEERING — 09/25/2025

State Proj. # 19-674-19-01, F.19002314

Site ID # 3-55-003 | Project No. 2020-23

State ID # xxxxxx | File Name LHMC1

PM/PIC Approver | Drawn By KB

Date 09/25/2025

E203

SCHEDULE OF PANELS

PNL ID	SUPPLY FROM	MOUNTING	ENCLOSURE	RATING (AIC)	MLO/MCB	RATING (A)	ESTIMATED DEMAND (A)
HA		SURFACE	NEMA-1	10,000	MCB	600 A	450 A
HC		SURFACE	NEMA-3R SS	18,000	MCB	400 A	205 A
LA	T-LA	SURFACE	NEMA-1	10,000	MCB	400 A	216 A
LC	T-LC	SURFACE	NEMA-3R SS	10,000	MCB	60 A	1 A

SCHEDULE OF TRANSFORMERS

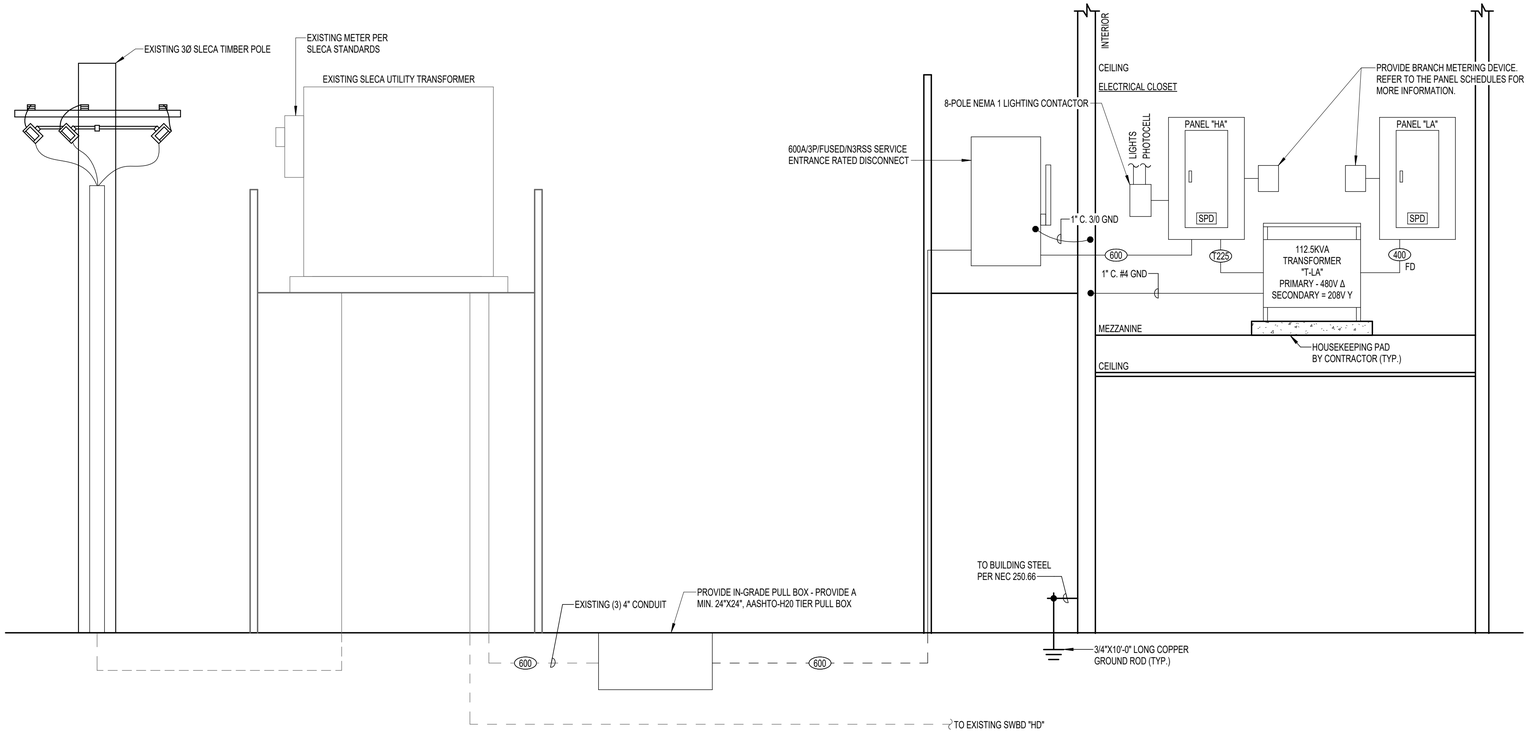
XFMR ID	SUPPLY FROM	ENCLOSURE	RATING (KVA)	ESTIMATED DEMAND (A)
T-LA	HA	Type 2	112.5 kVA	216 A
T-LC	HC	NEMA-3R SS	15KVA	1 A

4-WIRE FEEDER SCHEDULE

STD. FUSE OR BKR TRIP SIZE	# OF SETS	WIRE QUANTITY AND SIZE	CONDUIT SIZE (MINIMUM)
(30)	1	4#10 THWN, 1#8 GND	1"
(60)	1	4#6 THWN, 1#8 GND	1-1/4"
(100)	1	4#3 THWN, 1#8 GND	1-1/4"
(125)	1	4#1 THWN, 1#6 GND	1-1/2"
(150)	1	4#1/0 THWN, 1#6 GND	2"
(200)	1	4#3/0 THWN, 1#4 GND	2"
(225)	1	4#4/0 THWN, 1#4 GND	2-1/2"
(400)	2	4#3/0 THWN, 1#1/0 GND	2-1/2"
(600)	2	4#350 THWN MCM, 1#3/0 GND	3"
(800)	3	4#300 THWN MCM, 1#3/0 GND	3"
(2000)	5	4#600 KCMIL, 1#250KCMIL GND	4"

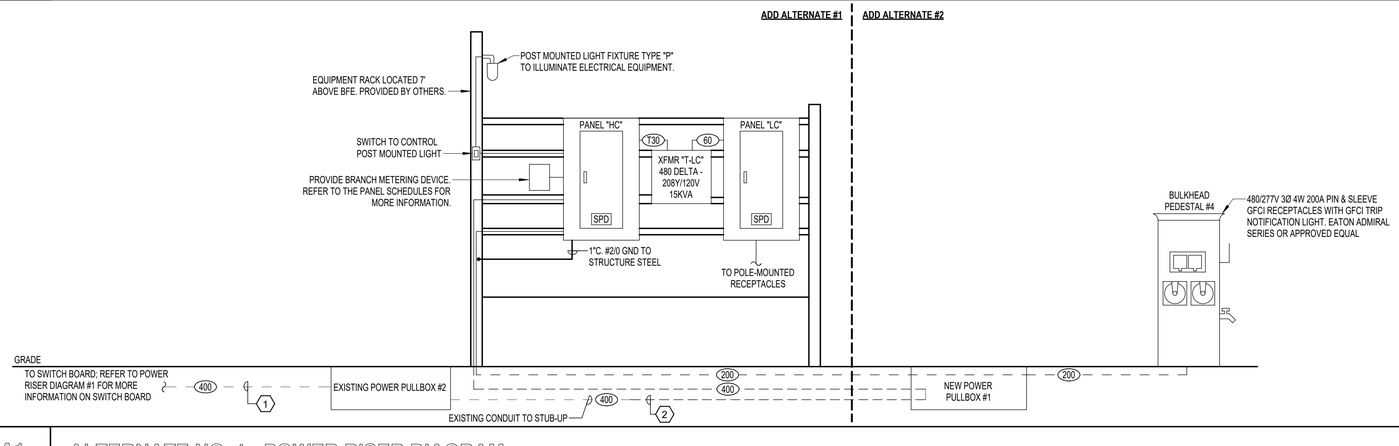
NOTES:

1. ALL FEEDER SIZES LISTED MAY NOT BE SHOWN IN POWER RISER DIAGRAM.
2. ELECTRICAL CONTRACTOR TO VERIFY SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
3. REFER TO THE 2014 EDITION OF THE NEC FOR CONDUIT TYPES REQUIRED PER THEIR TABLES.
4. ALL CONDUCTORS TO BE COPPER.
5. "VD" INDICATES WIRE UPSIZED FOR VOLTAGE DROP.
6. "FD" INDICATES TO PROVIDE A #3/0 GND.
7. "NG" INDICATES NO GROUND.
8. "T" INDICATES NO NEUTRAL REQUIRED.



D1 POWER RISER DIAGRAM #2

N.T.S. RE: /



A1 ALTERNATE NO. 1 - POWER RISER DIAGRAM

N.T.S. RE: /

ELECTRICAL RISER KEY NOTE

1. EXISTING 4" CONDUIT. PROVIDE ADDITIONAL 4" CONDUIT FROM STUB-UP TO EQUIPMENT AS REQUIRED. PROVIDE WIRE AS INDICATED.
2. PROVIDE 4" CONDUIT AS REQUIRED TO INTERCONNECT EXISTING CONDUIT TO NEW POWER PULLBOX #1.

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing: POWER RISER DIAGRAM

Seal: STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER IN CHEMICAL ENGINEERING

Date: 09/25/2025

State Proj. # 19-674-19-01, F.19002314

Site ID # 3-55-003 | Project No. 2020-23

State ID # xxxxx | File Name LHMC1

PM/PIC LB | Drawn By KB

E300

Branch Panel: HA

Location: MAINTENANCE SHOP 101
Supply From:
Mounting: SURFACE
Enclosure: NEMA-1
Number of Sections: 2

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Rating: 600 A
MCB Rating: 600 A

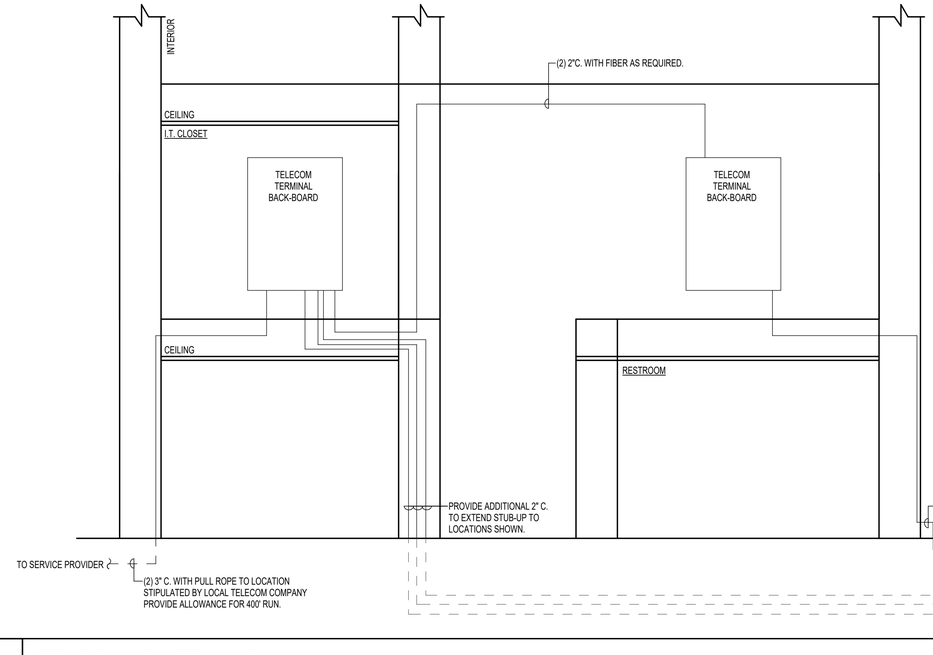
Panel Schedule Notes:

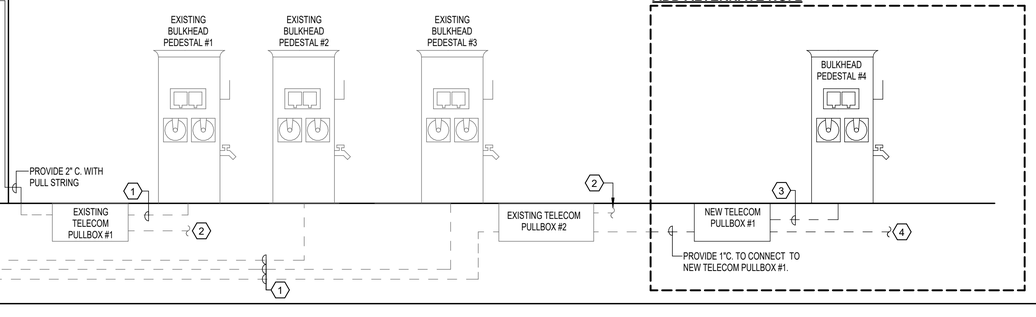
1L - REFER TO RISER DIAGRAM FOR MORE INFORMATION. | PROVIDE SUB METERING PER IECC2021; THE LOAD CATEGORIES FOR THIS PANEL ARE AS FOLLOWS:
H - INDICATES HVAC LOAD | L - INDICATES INTERIOR LIGHTING LOAD | EL - INDICATES EXTERIOR LIGHTING LOAD | O - INDICATES OTHER LOAD

ABR	CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT	ABR
O	1	225 A	3	1L	1L	1L	XFMR "T-LA"	29.2 kVA	13.9 kVA					AHU-1	3/4"	#10	4#8	3	50 A	2	H
--	3	--	--	--	--	--	--			37.3 kVA	13.9 kVA			--	--	--	--	--	--	4	--
--	5	--	--	--	--	--	--					27.6 kVA	13.9 kVA	--	--	--	--	--	--	6	--
H	7	35 A	3	4#10	#10	3/4"	AHU-2	9.7 kVA	5.0 kVA					UH	3/4"	#12	4#12	3	20 A	8	H
--	9	--	--	--	--	--	--			9.7 kVA	5.0 kVA			--	--	--	--	--	--	10	--
--	11	--	--	--	--	--	--					9.7 kVA	5.0 kVA	--	--	--	--	--	--	12	--
H	13	20 A	3	4#12	#12	3/4"	UH	5.0 kVA	5.0 kVA					UH	3/4"	#12	4#12	3	20 A	14	H
--	15	--	--	--	--	--	--			5.0 kVA	5.0 kVA			--	--	--	--	--	--	16	--
--	17	--	--	--	--	--	--					5.0 kVA	5.0 kVA	--	--	--	--	--	--	18	--
H	19	20 A	3	4#12	#12	3/4"	UH	5.0 kVA	5.0 kVA					UH	3/4"	#12	4#12	3	20 A	20	H
--	21	--	--	--	--	--	--			5.0 kVA	5.0 kVA			--	--	--	--	--	--	22	--
--	23	--	--	--	--	--	--					5.0 kVA	5.0 kVA	--	--	--	--	--	--	24	--
H	25	20 A	3	4#12	#12	3/4"	UH	5.0 kVA	5.0 kVA					UH	3/4"	#12	4#12	3	20 A	26	H
--	27	--	--	--	--	--	--			5.0 kVA	5.0 kVA			--	--	--	--	--	--	28	--
--	29	--	--	--	--	--	--					5.0 kVA	5.0 kVA	--	--	--	--	--	--	30	--
H	31	20 A	3	4#12	#12	3/4"	UH	5.0 kVA	0.6 kVA					EXTERIOR LGT	3/4"	#12	2#12	1	20 A	32	EL
--	33	--	--	--	--	--	--			5.0 kVA	4.5 kVA			FIRST FLR LTS #2	3/4"	#12	2#12	1	20 A	34	L
--	35	--	--	--	--	--	--					5.0 kVA	1.7 kVA	FIRST FLR FAN	3/4"	#12	2#12	3	20 A	36	O
O	37	20 A	3	2#12	#12	3/4"	WAREHOUSE FAN	1.7 kVA	1.7 kVA					--	--	--	--	--	--	38	--
--	39	--	--	--	--	--	--			1.7 kVA	1.7 kVA			--	--	--	--	--	--	40	--
--	41	--	--	--	--	--	--					1.7 kVA	5.0 kVA	UH	3/4"	#12	4#12	3	20 A	42	H
O	43	20 A	3	2#12	#12	3/4"	WAREHOUSE FAN	1.7 kVA	5.0 kVA					--	--	--	--	--	--	44	--
--	45	--	--	--	--	--	--			1.7 kVA	5.0 kVA			--	--	--	--	--	--	46	--
--	47	--	--	--	--	--	--					1.7 kVA	3.0 kVA	WAREHOUSE LTS #2	3/4"	#12	2#12	1	20 A	48	L
H	49	30 A	3	4#10	#10	3/4"	CU-2	8.3 kVA	1.9 kVA					RECORDS/ MECH LTS	3/4"	#12	2#12	1	20 A	50	L
--	51	--	--	--	--	--	--			8.3 kVA	9.7 kVA			CU-1	3/4"	#10	4#8	3	35 A	52	H
--	53	--	--	--	--	--	--					8.3 kVA	9.7 kVA	--	--	--	--	--	--	54	--
H	55	20 A	3	4#12	#12	3/4"	UH	5.0 kVA	9.7 kVA					--	--	--	--	--	--	56	--
--	57	--	--	--	--	--	--			5.0 kVA	5.0 kVA			UH	3/4"	#12	4#12	3	20 A	58	H
--	59	--	--	--	--	--	--					5.0 kVA	5.0 kVA	--	--	--	--	--	--	60	--
H	61	20 A	3	4#12	#12	3/4"	UH	5.0 kVA	5.0 kVA					--	--	--	--	--	--	62	--
--	63	--	--	--	--	--	--			5.0 kVA	1.7 kVA			WAREHOUSE FAN	3/4"	#12	4#12	3	20 A	64	O
--	65	--	--	--	--	--	--					5.0 kVA	1.7 kVA	--	--	--	--	--	--	66	--
O	67	20 A	3	4#12	#12	3/4"	WAREHOUSE FAN	1.7 kVA	1.7 kVA					--	--	--	--	--	--	68	--
--	69	--	--	--	--	--	--			1.7 kVA	1.7 kVA			1ST FLR/WH FAN	3/4"	#12	4#12	3	20 A	70	O
--	71	--	--	--	--	--	--					1.7 kVA	1.7 kVA	--	--	--	--	--	--	72	--
L	73	20 A	1	2#12	#12	3/4"	WAREHOUSE LTS #1	2.4 kVA	1.7 kVA					--	--	--	--	--	--	74	--
O	75	20 A	1	2#12	#12	3/4"	PHOTOCELL			0.5 kVA	1.7 kVA			FIRST FLR LTS #1	3/4"	#12	2#12	1	20 A	76	L
L	77	20 A	1	2#12	#12	3/4"	OFFICE LTS 2ND FLR					2.4 kVA	1.0 kVA	UH	3/4"	#12	3#12	3	20 A	78	H
	79	20 A	1	--	--	--	SPARE	0.0 kVA	1.0 kVA					--	--	--	--	--	--	80	--
	81	20 A	1	--	--	--	SPARE			0.0 kVA	1.0 kVA			--	--	--	--	--	--	82	--
L	83	20 A	1	2#12	#12	3/4"	STAIR LGT					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	84	
	85	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	86	
	87	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	88	
	89	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	90	
	91	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	92	
	93	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	94	
	95	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	96	
	97	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	98	
	99	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			INTERNAL SPD	--	--	--	3	30 A	100	
	101	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	--	--	--	--	--	--	102	--
	103	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					--	--	--	--	--	--	104	--
								144862 VA		151592 VA		145525 VA									
								523 A		548 A		526 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Cooling	63400 VA	0.01%	6 VA		
Kitchen Equipment - Non-Dwelling Unit	2400 VA	100.00%	2400 VA	**Total Conn. Load:**	441926 VA
Other	38450 VA	100.00%	38450 VA	**Total Est. Demand:**	373920 VA
Receptacle	24060 VA	70.78%	17030 VA	**Total Conn.:**	532 A
Lighting	12215 VA	125.00%	15269 VA	**Total Est. Demand:**	450 A
Miscellaneous	18500 VA	100.00%	18500 VA		
HVAC	285610 VA	100.00%	285610 VA		

Load Summary Notes:





TELECOM RISER KEY NOTES:

1. EXISTING CONDUIT, PROVIDE (2) CAT 6 CABLES AND (1) COAX CABLE. COORDINATE REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
2. EXISTING CONDUIT FOR POLE MOUNTED SECURITY CAMERAS. PROVIDE CABLING AS REQUIRED BY MANUFACTURER SPECIFICATION.
3. PROVIDE 1"C., (2) CAT 6 CABLES, AND (1) COAX CABLE. COORDINATE REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
4. PROVIDE 1" CONDUIT FOR POLE MOUNTED SECURITY CAMERAS. PROVIDE CABLING AS REQUIRED BY MANUFACTURER SPECIFICATION.

GFP ARCHITECTURE INTERIOR DESIGN

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CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing PANEL SCHEDULES / TELECOM RISER DIAGRAM

Seal: STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER — ELECTRICAL ENGINEERING — 09/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # xxxxx File Name LHMC1
PM/PIC LB Drawn By KB
Date 09/25/2025

E301

A1 TELECOM RISER DIAGRAM

N.T.S. RE: /

Branch Panel: LA

Location: MAINTENANCE SHOP 101
Supply From: T-LA
Mounting: SURFACE
Enclosure: NEMA-1
Number of Sections: 2

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Rating: 400 A
MCB Rating: 400 A

Panel Schedule Notes:

PROVIDE SUB METERING PER IECC2021; THE LOAD CATEGORIES FOR THIS PANEL ARE AS FOLLOWS:
H - INDICATES HVAC LOAD | PG - INDICATES PLUG LOAD | PC - INDICATES PROCESS LOAD | O - INDICATES OTHER LOAD | EL - INDICATES EXTERIOR LIGHTING LOAD

ABR	CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT	ABR
PC	1	20 A	1	2#12	#12	3/4"	TELECOM RECEPT	0.4 kVA	0.4 kVA					TELECOM RECEPT #2	3/4"	#12	2#12	1	20 A	2	PC
PG	3	20 A	1	2#12	#12	3/4"	RR, JANITOR, ELEC RECEPT			1.4 kVA	1.3 kVA			HALLWAY RECEPT	3/4"	#12	2#12	1	20 A	4	PG
PG	5	20 A	1	2#12	#12	3/4"	(G) WATER COOLER					0.2 kVA	1.2 kVA	COPIER RECEPT	3/4"	#12	2#12	1	20 A	6	PC
PC	7	20 A	1	2#12	#12	3/4"	COPY/PRINT RECEPT	0.7 kVA	0.7 kVA					CONTRL RM DESK RECEPT	3/4"	#12	2#12	1	20 A	8	PC
PG	9	20 A	1	2#12	#12	3/4"	MANAGER RECEPT			0.7 kVA	3.5 kVA			BRK RM COUNTER RECEPT	3/4"	#12	2#12	1	20 A	10	PG
PG	11	20 A	1	2#12	#12	3/4"	MICROWAVE RECEPT					0.2 kVA	0.2 kVA	DISHWASHER RECEPT	3/4"	#12	2#12	1	20 A	12	PG
PG	13	20 A	1	2#12	#12	3/4"	(G) REFRIDGE RECEPT	1.2 kVA	0.7 kVA					OFFICE 206 RECEPT	3/4"	#12	2#12	1	20 A	14	PG
PG	15	20 A	1	2#12	#12	3/4"	OFFICE 205 RECEPT			1.1 kVA	1.1 kVA			OFFICE 204 RECEPT	3/4"	#12	2#12	1	20 A	16	PG
PG	17	20 A	1	2#12	#12	3/4"	RECORDS RECEPT					0.7 kVA	0.7 kVA	RECORDS RECEPT #2	3/4"	#12	2#12	1	20 A	18	PG
PG	19	20 A	1	2#12	#12	3/4"	MECH RM RECEPT	0.4 kVA	0.9 kVA					CONTROL RM RECEPT	3/4"	#12	2#12	1	20 A	20	PG
PG	21	20 A	1	2#12	#12	3/4"	EQUIPMENT STAGE RECEPT			1.6 kVA	1.5 kVA			DRYER	3/4"	#10	4#10	2	30 A	22	O
PG	23	20 A	1	2#12	#12	3/4"	(G) WASHER MACHINE					0.2 kVA	1.5 kVA	--	--	--	--	--	--	24	--
PG	25	20 A	1	2#12	#12	3/4"	LAUNDRY RECEPT	1.3 kVA	0.2 kVA					(G) WATER COOLER 1ST FLR	3/4"	#12	2#12	1	20 A	26	PC
PG	27	20 A	1	2#12	#12	3/4"	WAREHOUSE RECEPT #1			0.9 kVA	9.6 kVA			AHU-3	1"	#8	4#4	3	80 A	28	H
O	29	20 A	1	2#12	#12	3/4"	WH-1 RECIRC PUMP					0.2 kVA	9.6 kVA	--	--	--	--	--	--	30	--
PG	31	20 A	1	2#12	#12	3/4"	EXTERIOR RECEPT #1	1.1 kVA	9.6 kVA					--	--	--	--	--	--	32	--
PG	33	20 A	1	2#12	#12	3/4"	EXTERIOR RECEPT #2			0.7 kVA	1.6 kVA			CRCU-1	3/4"	#12	3#12	2	15 A	34	H
H	35	30 A	3	4#10	#10	3/4"	CU-3					2.1 kVA	1.6 kVA	--	--	--	--	--	--	36	--
--	37	--	--	--	--	--	--	2.1 kVA	0.0 kVA					WH-3	3/4"	#10	3#10	2	30 A	38	H
--	39	--	--	--	--	--	--			2.1 kVA	0.0 kVA			--	--	--	--	--	--	40	--
H	41	15 A	2	3#12	#12	3/4"	CRCU-2					1.6 kVA	2.3 kVA	WH-2	3/4"	#10	3#10	2	30 A	42	H
--	43	--	--	--	--	--	--	1.6 kVA	2.3 kVA					--	--	--	--	--	--	44	--
O	45	20 A	1	2#12	#12	3/4"	MOTORIZED DAMPER			1.0 kVA	2.3 kVA			WH-1	3/4"	#10	3#10	2	30 A	46	H
O	47	20 A	1	2#12	#12	3/4"	MOTORIZED DAMPER					0.5 kVA	2.3 kVA	--	--	--	--	--	--	48	--
O	49	20 A	1	2#12	#12	3/4"	MOTORIZED DAMPER	0.5 kVA	1.5 kVA					TTB SPECIAL RECEPT	3/4"	#10	3#10	2	30 A	50	PC
EL	51	20 A	1	2#12	#12	3/4"	SIGN LIGHTING			0.1 kVA	1.5 kVA			--	--	--	--	--	--	52	--
EL	53	20 A	1	2#12	#12	3/4"	SIGN LIGHTING					0.0 kVA	0.5 kVA	FACP	3/4"	#12	2#12	1	20 A	54	PC
O	55	20 A	1	2#12	#12	3/4"	HEAT TRACE	0.5 kVA	0.2 kVA					COPY/PRINT RECEPT	3/4"	#12	2#12	1	20 A	56	PC
O	57	20 A	1	2#12	#12	3/4"	BF PREVENTOR			0.5 kVA	1.2 kVA			(G) ICE MAKER	3/4"	#12	2#12	1	20 A	58	PG
O	59	20 A	1	2#12	#12	3/4"	WH-3 RECIRC PUMP					0.2 kVA	0.2 kVA	HEAT TRACE	3/4"	#12	2#12	1	20 A	60	O
O	61	20 A	1	2#12	#12	3/4"	WH-2 RECIRC PUMP	0.2 kVA	1.5 kVA					EXTERIOR LIFT RECEPT	3/4"	#10	4#10	2	30 A	62	PG
PG	63	20 A	1	2#12	#12	3/4"	WAREHOUSE RECEPT #2			0.9 kVA	1.5 kVA			--	--	--	--	--	--	64	--
O	65	20 A	1	2#12	#12	3/4"	MOTORIZED DOOR					0.5 kVA	0.5 kVA	MOTORIZED DOOR	3/4"	#12	2#12	1	20 A	66	O
O	67	20 A	1	2#12	#12	3/4"	MOTORIZED DOOR	0.5 kVA	0.5 kVA					MOTORIZED DOOR	3/4"	#12	2#12	1	20 A	68	O
PG	69	20 A	1	2#12	#12	3/4"	WAREHOUSE RECEPT #3			0.7 kVA	0.5 kVA			MOTORIZED DOOR	3/4"	#12	2#12	1	20 A	70	O
O	71	20 A	1	2#12	#12	3/4"	MOTORIZED DOOR					0.5 kVA	0.4 kVA	TTB SPECIAL RECEPT	3/4"	#12	2#12	1	20 A	72	PC
O	73	20 A	1	2#12	#12	3/4"	MOTORIZED DOOR	0.5 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	74	
	75	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	76	
	77	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	78	
	79	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	80	
	81	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	82	
	83	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	84	
	85	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	86	
	87	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	88	
	89	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	90	
	91	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	92	
	93	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	94	
	95	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	96	
	97	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	98	
	99	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			INTERNAL SPD	--	--	--	3	30 A	100	
	101	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	--	--	--	--	--	--	102	--
	103	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					--	--	--	--	--	--	104	--
								29217 VA		37273 VA		27603 VA									
								246 A		313 A		230 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Cooling	9360 VA	0.01%	1 VA		
Kitchen Equipment - Non-Dwelling Unit	2400 VA	100.00%	2400 VA	**Total Conn. Load:**	94092 VA
Other	7700 VA	100.00%	7700 VA	**Total Est. Demand:**	77736 VA
Receptacle	24060 VA	70.78%	17030 VA	**Total Conn.:**	261 A
Lighting	132 VA	125.00%	165 VA	**Total Est. Demand:**	216 A
Miscellaneous	18500 VA	100.00%	18500 VA		
HVAC	31940 VA	100.00%	31940 VA		

Load Summary Notes:

GFP ARCHITECTURE INTERIOR DESIGN

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10705 Rieger Road., STE 101
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(225)293-9474 TLA PROJECT # 20-089
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484

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C	CDS-ISSUE FOR APPROVAL	04/21/22
B	SCHEMATIC DESIGN	09/22/21

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
PANEL SCHEDULE

Seal
STATE OF LOUISIANA
LANDON DAVID BURNS
License No. 46484
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
09/25/25

Date 09/25/2025

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 Project No. 2020-23
State ID # xxxxx File Name LHMC1
PM/PIC Approver Drawn By KB

E302

Branch Panel: HC

Location:
Supply From:
Mounting: SURFACE
Enclosure: NEMA-3R SS
Number of Sections: 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 18,000
Mains Rating: 400 A
MCB Rating: 400 A

Panel Schedule Notes:

1L - REFER TO RISER DIAGRAM FOR MORE INFORMATION | PANEL INCLUDED IN ADD ALTERNATE NO.1
PROVIDE SUB METERING PER IECC2021; THE LOAD CATEGORIES FOR THIS PANEL ARE AS FOLLOWS: EL - INDICATES EXTERIOR LIGHTING LOAD | O - INDICATES OTHER LOAD

ABR	CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT	ABR
O	1	200 A	3	1L	1L	1L	BULK PED #4	55.4 kVA	0.4 kVA					XFMR "T-LC"	1L	1L	1L	3	30 A	2	PG
--	3	--	--	--	--	--	--			55.4 kVA	0.2 kVA			--	--	--	--	--	--	4	--
--	5	--	--	--	--	--	--					55.4 kVA	0.0 kVA	--	--	--	--	--	--	6	--
EL	7	20 A	1	2#12	#12	3/4"	EXT. POLE LTG	2.2 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	8	
EL	9	20 A	1	2#10	#10	3/4"	EXT. POLE LTG			1.1 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	10	
	11	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	12	
	13	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPD	--	--	--	3	30 A	14	
	15	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			--	--	--	--	--	--	16	--
	17	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	--	--	--	--	--	--	18	--
								57970 VA		56680 VA		55400 VA									
								210 A		205 A		200 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	169500 VA	100.00%	169500 VA		
Receptacle	540 VA	100.00%	540 VA	**Total Conn. Load:**	170050 VA
Lighting	10 VA	125.00%	13 VA	**Total Est. Demand:**	170053 VA
				Total Conn.:	205 A
				Total Est. Demand:	205 A

Load Summary Notes:

Branch Panel: LC

Location:
Supply From: T-LC
Mounting: SURFACE
Enclosure: NEMA-3R SS
Number of Sections: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Rating: 60 A
MCB Rating: 60 A

Panel Schedule Notes:

PANEL INCLUDED IN ADD ALTERNATE NO. 1
PROVIDE SUB METERING PER IECC2021; THIS PANEL SHALL BE CONSIDERED A PLUG LOAD PANEL

ABR	CKT	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A		B		C		Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CKT	ABR
	1	20 A	1	2#8	#10	1"	POLE MOUNTED RECEPT	0.4 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	2	
	3	20 A	1	2#8	#10	1"	POLE MOUNTED RECEPT			0.2 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	4	
	5	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	6	
	7	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPARE	--	--	--	1	20 A	8	
	9	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			SPARE	--	--	--	1	20 A	10	
	11	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	12	
	13	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA					SPD	--	--	--	3	30 A	14	
	15	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA			--	--	--	--	--	--	16	--
	17	20 A	1	--	--	--	SPARE					0.0 kVA	0.0 kVA	--	--	--	--	--	--	18	--
								360 VA		180 VA		0 VA									
								3 A		2 A		0 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	540 VA	100.00%	540 VA		
				Total Conn. Load:	540 VA
				Total Est. Demand:	540 VA
				Total Conn.:	1 A
				Total Est. Demand:	1 A

Load Summary Notes:

GFP ARCHITECTURE INTERIOR DESIGN

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 20-089
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484

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C.	CDS-ISSUE FOR APPROVAL	04/21/22
B.	SCHEMATIC DESIGN	09/22/21

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

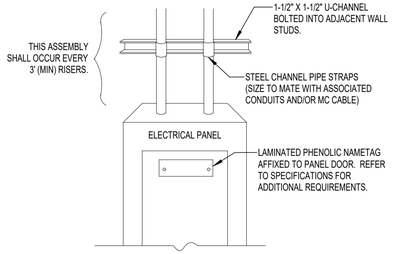
Drawing ADD ALTERNATE NO.1 - PANEL SCHEDULES

Seal: STATE OF LOUISIANA — SAMUEL JAMES BURNS — License No. 46484 — PROFESSIONAL ENGINEER — IN ELECTRICAL ENGINEERING — 09/25/2025

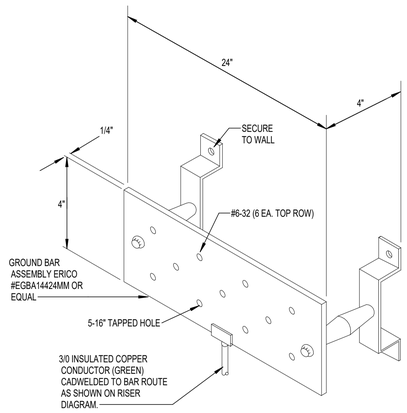
Date 09/25/2025

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
State ID # xxxxxx | File Name LHMC1
PM/PIC Approver | Drawn By KB

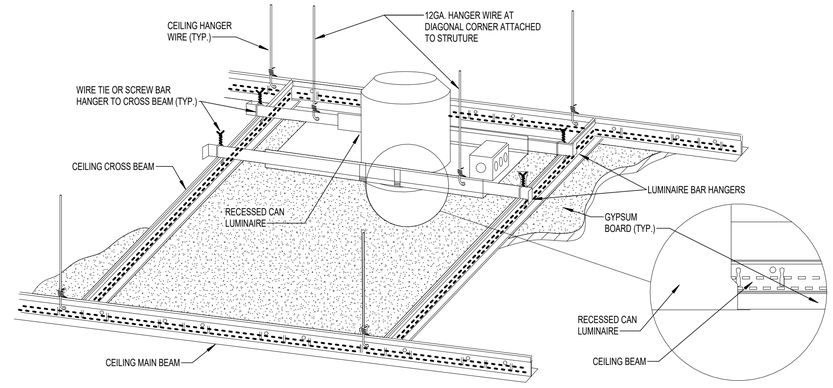
E304



H1	DETAIL - CONDUIT SUPPORT
N.T.S.	RE: /



H4	DETAIL - COPPER GROUNDING BUSBAR
N.T.S.	RE: /



H8	DETAIL - DOWNLIGHT MOUNTING
N.T.S.	RE: /

TYPICAL PANELBOARD PLAQUE

(INDICATE PANEL DESIGNATION)

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

TYPICAL DISCONNECT PLAQUE

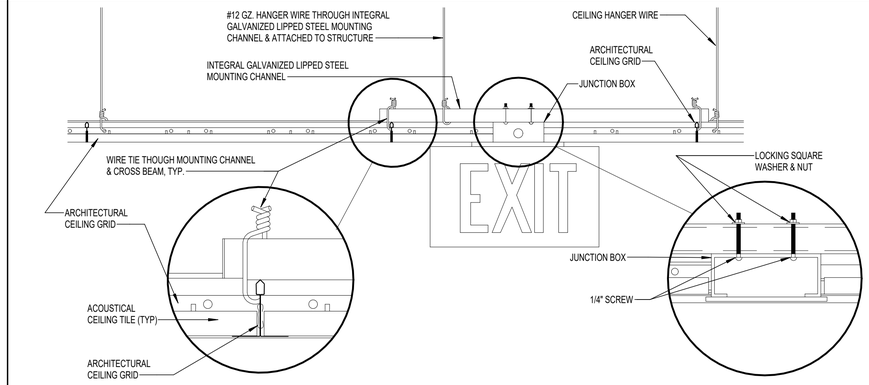
(INDICATE EQUIPMENT DESCRIPTION)

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

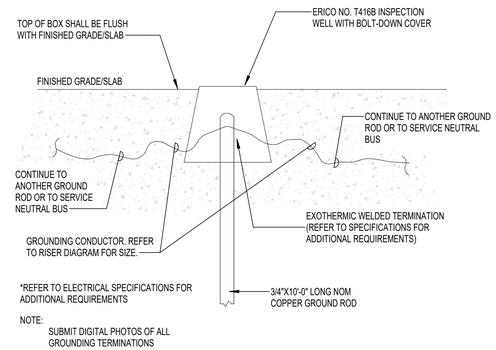
SEE SPECIFICATIONS FOR MATERIALS, COLORS SIZE LETTERING, ETC.

ATTACH PLAQUES USING INDUSTRIAL GRADE DOUBLE FACE ADHESIVE.

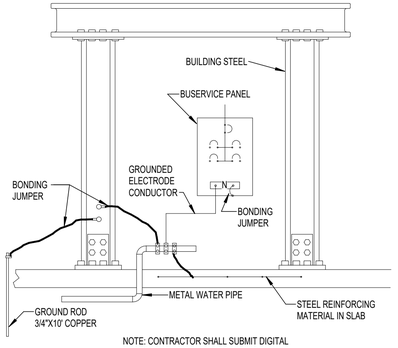
E1	DETAIL - EQUIPMENT SIGNAGE
N.T.S.	RE: /



E5	DETAIL - EXIT SIGN MOUNTING
N.T.S.	RE: /

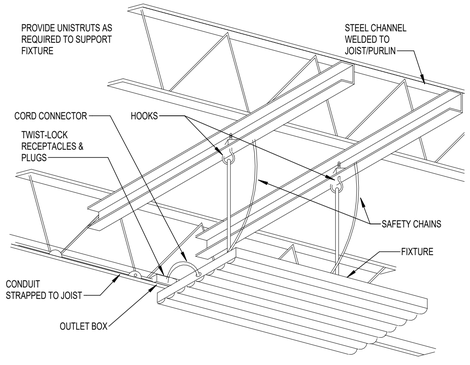


E11	DETAIL - GROUND ROD INSTALLATION
N.T.S.	RE: /

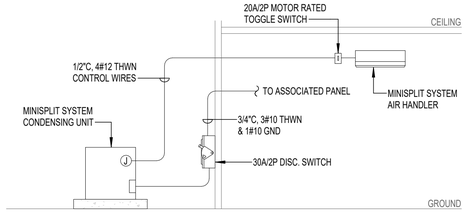


NOTE: CONTRACTOR SHALL SUBMIT DIGITAL PHOTOGRAPHS OF ALL GROUNDING TERMINATIONS.

A1	DETAIL - GROUNDING TO BLDG STEEL
N.T.S.	RE: /



A5	DETAIL - HIGH-BAY LED FIXTURE MOUNTING
N.T.S.	RE: /



A9	DETAIL - MINI SPLIT SYSTEM
N.T.S.	RE: /

GFP ARCHITECTURE INTERIOR DESIGN

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 20-089
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B.	SCHEMATIC DESIGN	09/22/21

CRUMP WILSON ARCHITECTS

Project: LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing: ELECTRICAL DETAILS

Seal: STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING — 09/25/25

State Proj. # 19-674-19-01, F.19002314
Site ID # 3-55-003 | Project No. 2020-23
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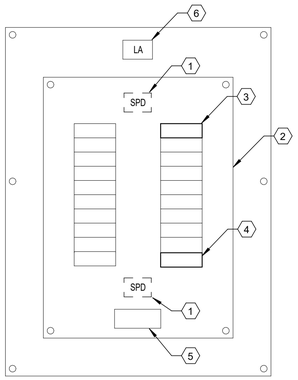
PM/PIC LB | Drawn By KB
Date 09/25/2025

E400



VERTICAL ORIENTATION

CONTRACTOR'S ATTENTION:

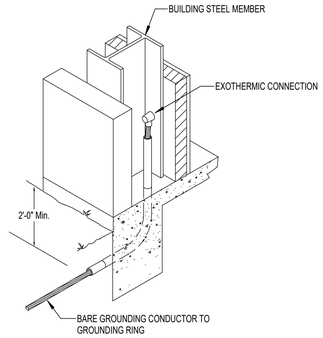
REFERENCE THE "SURGE PROTECTION DEVICE" SPECIFICATION FOR ADDITIONAL INSTALLATION REQUIREMENTS.

KEYNOTES

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

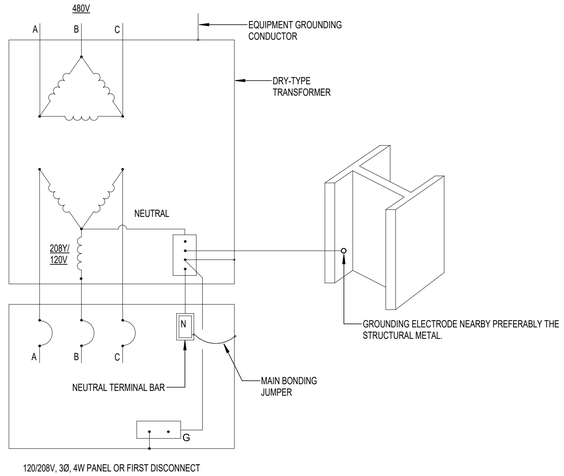
G1 DETAIL - SPD INSTALLATION

N.T.S. RE: /



G6 DETAIL - STEEL MEMBER GROUNDING

N.T.S. RE: /



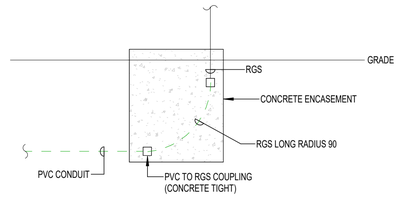
120/208V, 3Ø, 4W PANEL OR FIRST DISCONNECT

NOTE:
SUBMIT DIGITAL PHOTOS OF ALL GROUNDING TERMINATIONS

* REFER TO SPECIFICATION SECTION "GROUNDING" FOR ADDITIONAL REQUIREMENTS

G10 DETAIL - TRANSFORMER GROUNDING

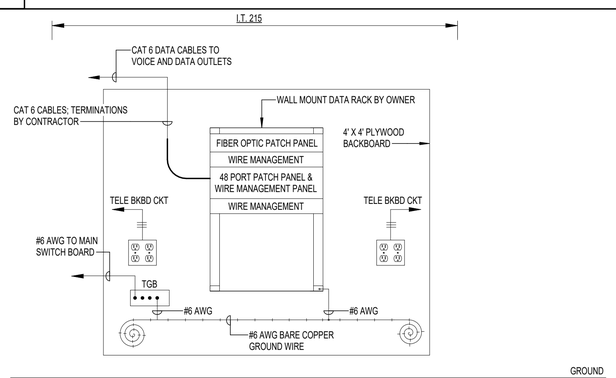
N.T.S. RE: /



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

D1 DETAIL - STUB-UP

N.T.S. RE: /



A1 DETAIL - TELEPHONE BACKBOARD

N.T.S. RE: /

GFP ARCHITECTURE INTERIOR DESIGN

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D	CDS-ISSUE FOR APPROVAL	05/15/22
C	CDS-ISSUE FOR APPROVAL	04/21/22
B	SCHEMATIC DESIGN	09/22/21

CRUMP WILSON ARCHITECTS

Project LUMCON HOUMA MARINE CAMPUS PHASE II
OFFICE / WAREHOUSE BUILDING & BULKHEAD
HOUMA, LA

Drawing
ELECTRICAL DETAILS

Seal: STATE OF LOUISIANA — LANDON DAVID BURNS — License No. 46484 — PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING

State Proj. # 19-674-19-01, F.19002314

Site ID #	3-55-003	Project No.	2020-23
State ID #	XXXXX	File Name	LHMC1
PM/PIC	LB	Drawn By	KB

Date 09/25/2025

E401

BENCHMARK DATA:

TBM #1 N=382,490.732
E=3,482,690.940
ELEV. 3.28'
DESCRIPTION – CHISELED X IN CONC

TBM #2 N=382,542.088
E=3,483,016.913
ELEV. 3.33'
DESCRIPTION – CHISELED X IN CONC

UTILITIES NOTIFIED VIA LOUISIANA ONE CALL TICKET NO. 200229796:

1. TERREBONNE PARISH CONSOLIDATED GOVERNMENT – WATER – MARKED AS SHOWN ON PLAT
2. TERREBONNE PARISH CONSOLIDATED GOVERNMENT – GAS – MARKED AS SHOWN ON PLAT
3. SLECA – POWER – MARKED AS SHOWN ON PLAT
4. TERREBONNE PARISH GOVERNMENT ELECTRIC – MARKED AS SHOWN ON PLAT
5. AT&T DISTRIBUTION – TELEPHONE – MARKED AS SHOWN ON PLAT

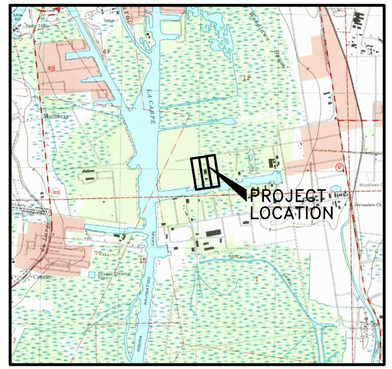
FEMA FLOOD ZONE AND HAZARDS:

THESE LOTS ARE LOCATED IN ZONE A, AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATION AND FLOOD HAZARD FACTORS NOT DETERMINED, PER F.I.R.M. PANEL NUMBER 225206 0270 C, DATED MAY 1, 1985, TERREBONNE PARISH LOUISIANA.

TERREBONNE PARISH ADVISORY BASE FLOOD ELEVATION MAP LA-P103, DATED FEBRUARY 23, 2006 INDICATES THESE LOTS ARE LOCATED IN ZONE A (EL. 6).

* FOR AREAS OUTSIDE OF THE A.B.F.E. LIMITS, PLEASE REFER TO THE COMMUNITY'S EFFECTIVE FIRM FOR ADDITIONAL FLOOD HAZARD INFORMATION, WHERE APPLICABLE.

LA SHIP, LLC
ATTN: DIONNE AUSTIN
OR ASSIGNS
367 DICKSON ROAD
HOUMA, LA 70363



VICINITY MAP
1" = 3000'

LEGEND

- EXISTING FLAG POLE
- SET AS NOTED
- FOUND AS NOTED
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING SEWER MANHOLE
- EXISTING POWER POLE
- EXISTING ANCHOR WIRE
- EXISTING FIRE HYDRANT
- 14.80' SPOT ELEVATION 4/7/2025 SURVEY
- LIGHT POLE
- CATCH BASIN
- EXISTING GAS VALVE
- EXISTING GAS METER
- SEWER CLEAN OUT
- AS NOTED
- SEWER LINE
- GAS LINE
- WATERLINE
- EXISTING OVERHEAD ELECTRIC
- EXISTING DITCH CENTERLINE
- TELEPHONE
- EXISTING FENCE
- EXISTING TREE
- GRAVEL
- CONCRETE
- CONCRETE ROAD

NOTES:

1. REFERENCE MAPS AND BEARINGS:
   A. "TOPOGRAPHIC SURVEY PLAT SHOWING THE FLETCHER TECHNICAL COMMUNITY COLLEGE SITE FRONTING ON DICKSON ROAD. PROPERTY IS LOCATED IN SECTION 12 OF T-17-S AND R-17-E. HOUMA, LOUISIANA, TERREBONNE PARISH" PREPAIRED BY: PICCIOLA & ASSOCIATES, INC. DATED: 9-22-09
2. REFERENCE BEARING DETERMINED FROM REFERENCE MAP "A"
3. VERTICAL DATUM: NAVD88, GEOID 18
   HORIZONTAL DATUM: NAD83 STATE PLANE COORDINATES LOUISIANA SOUTH ZONE 1702
4. A DILIGENT EFFORT HAS BEEN MADE TO SHOW ALL UTILITIES, HOWEVER OTHERS MAY BE PRESENT. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE LOCATIONS OF FEATURES ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO CONSTRUCTION.
5. THIS SURVEY DOES NOT PURPORT TO REPRESENT A BOUNDARY SURVEY AND THEREFORE DOES NOT MEET THE REQUIREMENTS SET FORTH BY THE BOARD OF LOUISIANA PROFESSIONAL ENGINEERS AND LAND SURVEYORS.
6. THIS SURVEY DOES NOT PURPORT TO SHOW THE LOCATION OF ALL EXISTING SERVITUDES, EASEMENTS, AND/OR RIGHT-OF-WAYS WHICH MAY AFFECT SAID PROPERTY EXCEPT AS OTHERWISE SHOWN HEREON.
7. THIS SURVEY WAS PREPARED FROM INFORMATION PROVIDED BY THE CLIENT AND WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT.
8. SURVEY COMPLETED 8/16/2021
9. UPDATED ELEVATIONS ON 04/07/2025
10. GOOGLE AERIAL IMAGERY DATE 11/05/2020

DATE	DESCRIPTION	BY
4/17/25	UPDATED TOPOGRAPHIC SURVEY	III
2/16/23	ADDED NORTH ARROW	III

REVISION

SCALE IN FEET
30' 15' 0 30' 60' 90'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
License No. 5250
PROFESSIONAL
LAND SURVEYOR

04/17/2025
DATE:

LEONARD CHAUVIN P.E., P.L.S., INC.
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

OWNER: GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN

PROJECT: TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY

TITLE: ELEVATION SURVEY

1

\\SERVER\SHARED FOLDERS\COMPANY\CAD\20-2533 GFP LUMCON\20-2533 TOPO 60 SC 4 17 2025 SS REV.DWG

NOTES:

1. REFERENCE MAPS AND BEARINGS:
   A. "TOPOGRAPHIC SURVEY PLAT SHOWING THE FLETCHER TECHNICAL COMMUNITY COLLEGE SITE FRONTING ON DICKSON ROAD. PROPERTY IS LOCATED IN SECTION 12 OF T–17–S AND R–17–E. HOUMA, LOUISIANA, TERREBONNE PARISH"
   PREPAIRED BY: PICCIOLA & ASSOCIATES, INC.
   DATED: 9–22–09

2. REFERENCE BEARING DETERMINED FROM REFERENCE MAP "A"

3. VERTICAL DATUM: NAVD88, GEOID 18
   HORIZONTAL DATUM: NAD83 STATE PLANE COORDINATES LOUISIANA SOUTH ZONE 1702

4. A DILIGENT EFFORT HAS BEEN MADE TO SHOW ALL UTILITIES, HOWEVER OTHERS MAY BE PRESENT. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE LOCATIONS OF FEATURES ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO CONSTRUCTION.

5. THIS SURVEY DOES NOT PURPORT TO REPRESENT A BOUNDARY SURVEY AND THEREFORE DOES NOT MEET THE REQUIREMENTS SET FORTH BY THE BOARD OF LOUISIANA PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

6. THIS SURVEY DOES NOT PURPORT TO SHOW THE LOCATION OF ALL EXISTING SERVITUDES, EASEMENTS, AND/OR RIGHT–OF–WAYS WHICH MAY AFFECT SAID PROPERTY EXCEPT AS OTHERWISE SHOWN HEREON.

7. THIS SURVEY WAS PREPARED FROM INFORMATION PROVIDED BY THE CLIENT AND WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT.

8. SURVEY COMPLETED 8/16/2021

FEMA FLOOD ZONE AND HAZARDS:

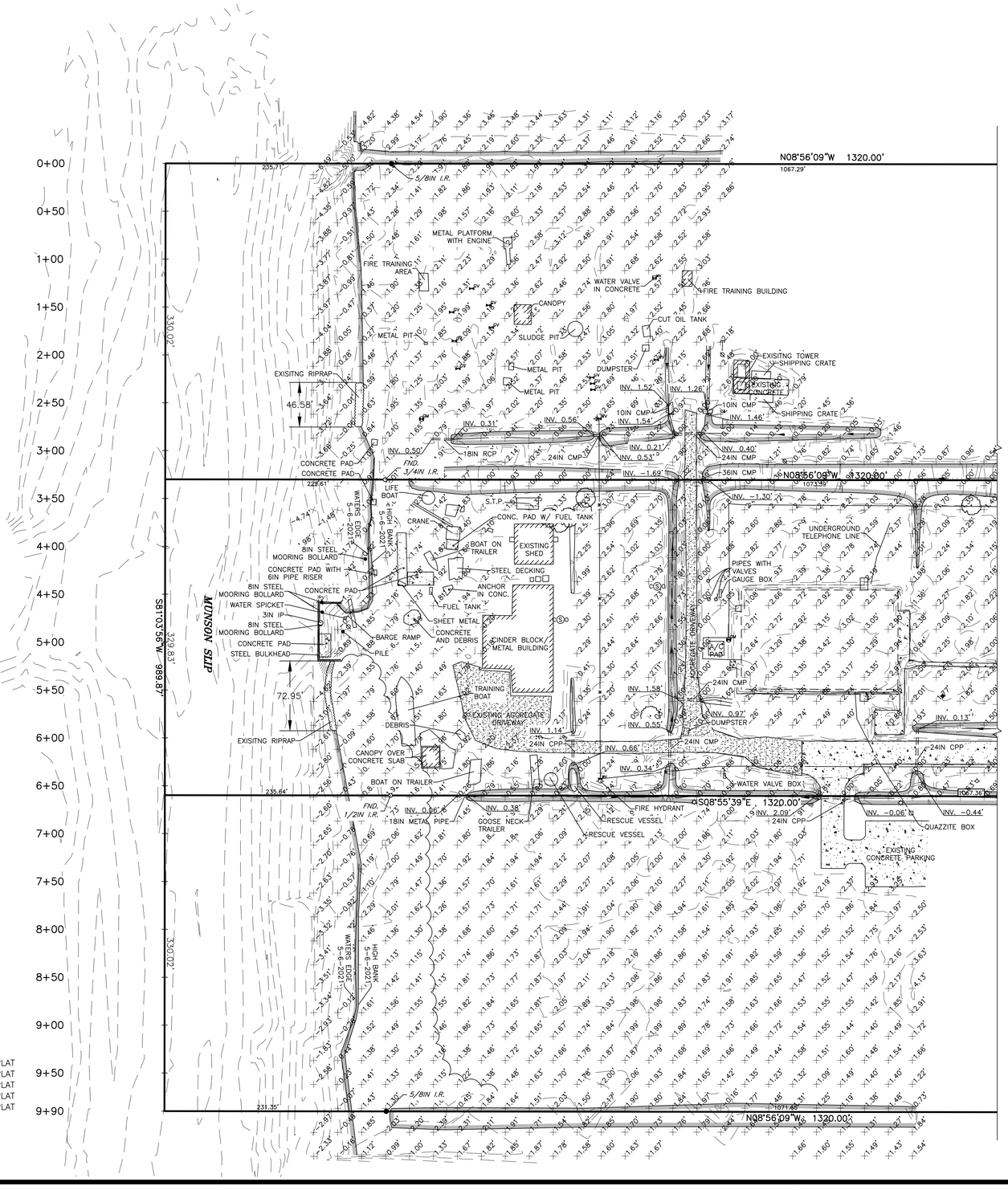
THESE LOTS ARE LOCATED IN ZONE A, AREAS OF 100–YEAR FLOOD; BASE FLOOD ELEVATION AND FLOOD HAZARD FACTORS NOT DETERMINED, PER F.I.R.M. PANEL NUMBER 225206 0270 C, DATED MAY 1, 1985, TERREBONNE PARISH LOUISIANA.

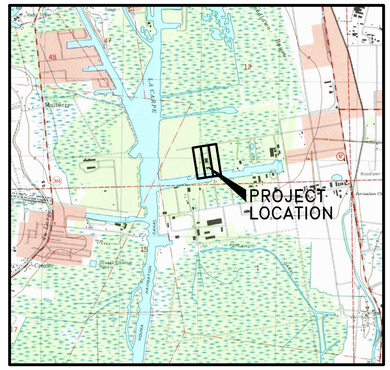
TERREBONNE PARISH ADVISORY BASE FLOOD ELEVATION MAP LA–P103, DATED FEBRUARY 23, 2006 INDICATES THESE LOTS ARE LOCATED IN ZONE A (EL. 6).

* FOR AREAS OUTSIDE OF THE A.B.F.E. LIMITS, PLEASE REFER TO THE COMMUNITY'S EFFECTIVE FIRM FOR ADDITIONAL FLOOD HAZARD INFORMATION, WHERE APPLICABLE.

UTILITIES NOTIFIED VIA LOUISIANA ONE CALL TICKET NO. 200229796:

1. TERREBONNE PARISH CONSOLIDATED GOVERNMENT – WATER – MARKED AS SHOWN ON PLAT
2. TERREBONNE PARISH CONSOLIDATED GOVERNMENT – GAS – MARKED AS SHOWN ON PLAT
3. SLECA – POWER – MARKED AS SHOWN ON PLAT
4. TERREBONNE PARISH GOVERNMENT ELECTRIC – MARKED AS SHOWN ON PLAT
5. AT&T DISTRIBUTION – TELEPHONE – MARKED AS SHOWN ON PLAT





VICINITY MAP
1" = 3000'

BENCHMARK DATA:

TBM #1 N=382,490.732
E=3,482,690.940
ELEV. 3.28'
DESCRIPTION – CHISELED X IN CONC

TBM #2 N=382,542.088
E=3,483,016.913
ELEV. 3.33'
DESCRIPTION – CHISELED X IN CONC

LEGEND

- EXISTING FLAG POLE
- SET AS NOTED
- FOUND AS NOTED
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING SEWER MANHOLE
- EXISTING POWER POLE
- EXISTING ANCHOR WIRE
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- TELEPHONE
- EXISTING FENCE
- EXISTING TREE
- GRAVEL
- CONCRETE
- CONCRETE ROAD

DATE	DESCRIPTION	BY
	REVISION	

SCALE IN FEET
60' 30' 0 60' 120' 180'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
License No. 5260
PROFESSIONAL
LAND SURVEYOR

4/6/2022
DATE:

LEONARD CHAUVIN P.E., P.L.S., INC.
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20–2533

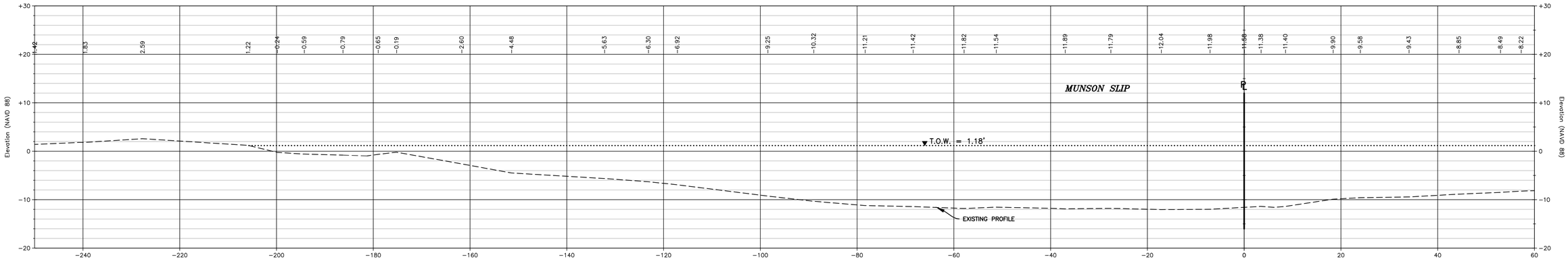
OWNER: GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN

PROJECT: TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY

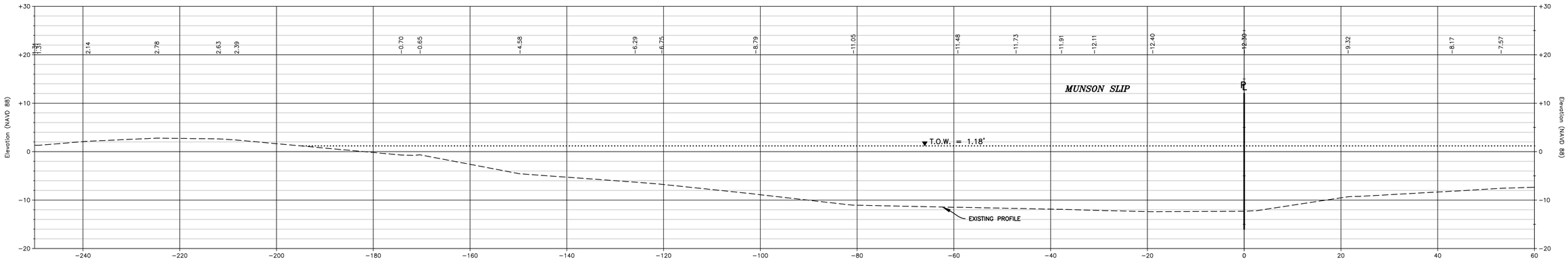
TITLE: TOPOGRAPHIC SURVEY

1

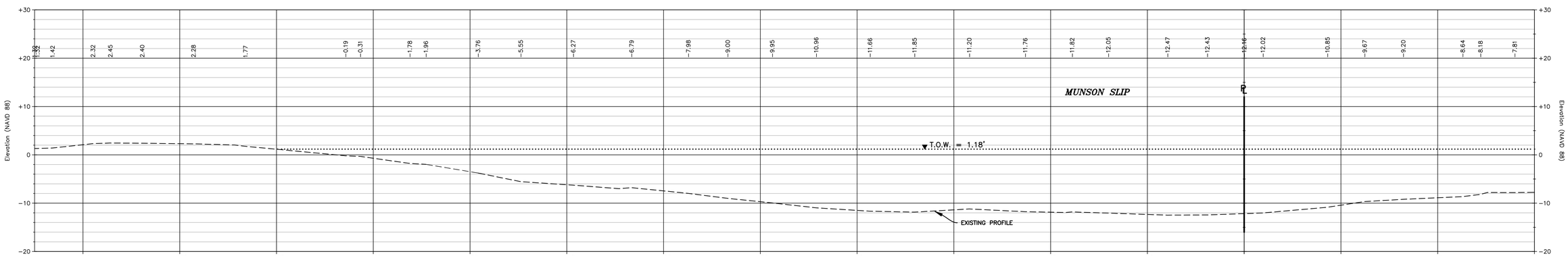
E:\CAD\20–2533 GFP LUMCON\20–2533 TOPO 60 SC 4 6 2022 SS.DWG



CROSS SECTION @ 1+50



CROSS SECTION @ 1+00



CROSS SECTION @ 0+50

DATE	DESCRIPTION	BY

REVISION

SCALE IN FEET
60' 30' 0 60' 120' 180'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
License No. 5260
PROFESSIONAL
LAND SURVEYOR

4/6/2022
DATE:

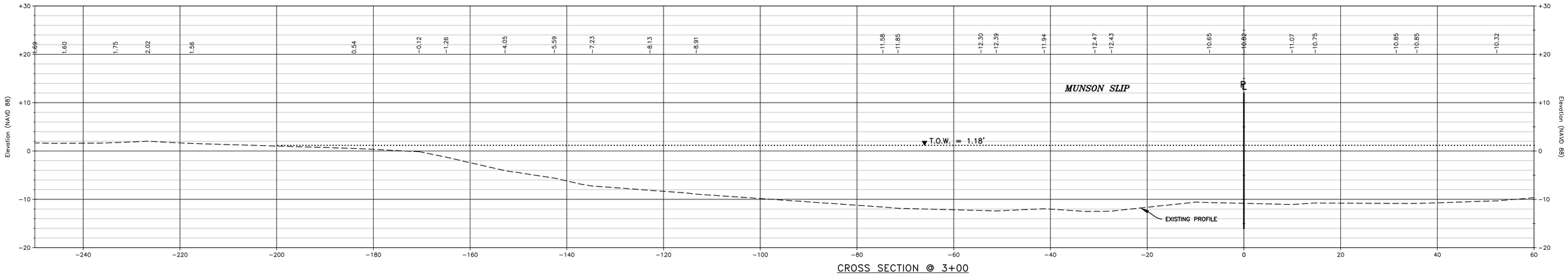
LEONARD CHAUVIN P.E., P.L.S., INC.
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

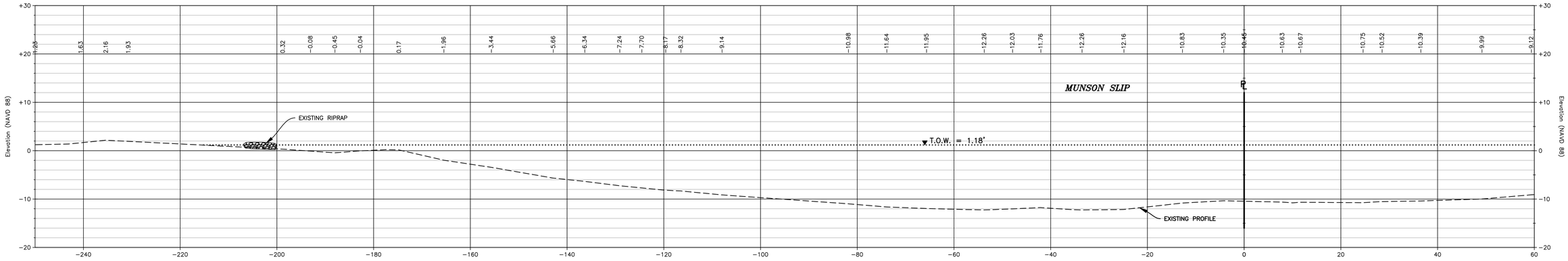
OWNER: GROS FLORES POSITERRY
ARCHITECTURE & INTERIOR DESIGN

PROJECT: TOPOGRAPHIC SURVEY OF
FLETCHER MARINE PETROLEUM FACILITY

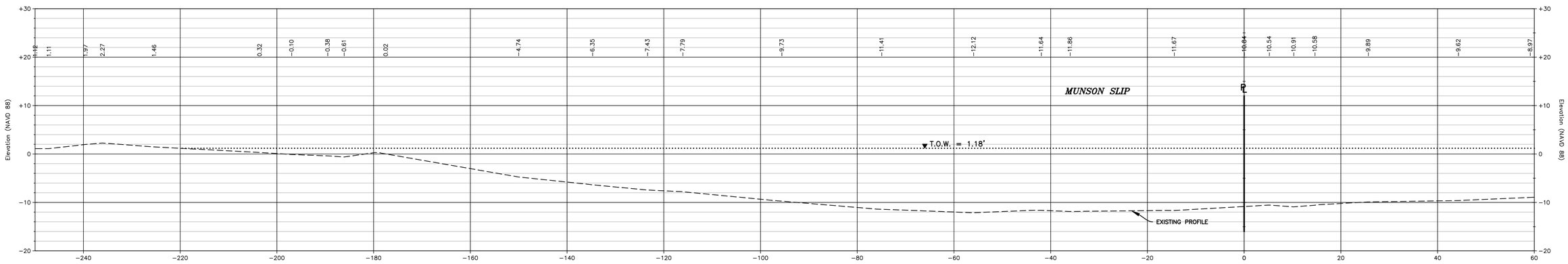
TITLE: CROSS SECTIONS



CROSS SECTION @ 3+00



CROSS SECTION @ 2+50



CROSS SECTION @ 2+00

DATE	DESCRIPTION	BY

REVISION

SCALE IN FEET
60' 30' 0 60' 120' 180'

LEONARD J. CHAUVIN III
License No. 5260
PROFESSIONAL
LAND SURVEYOR
STATE OF LOUISIANA

4/6/2022
DATE:

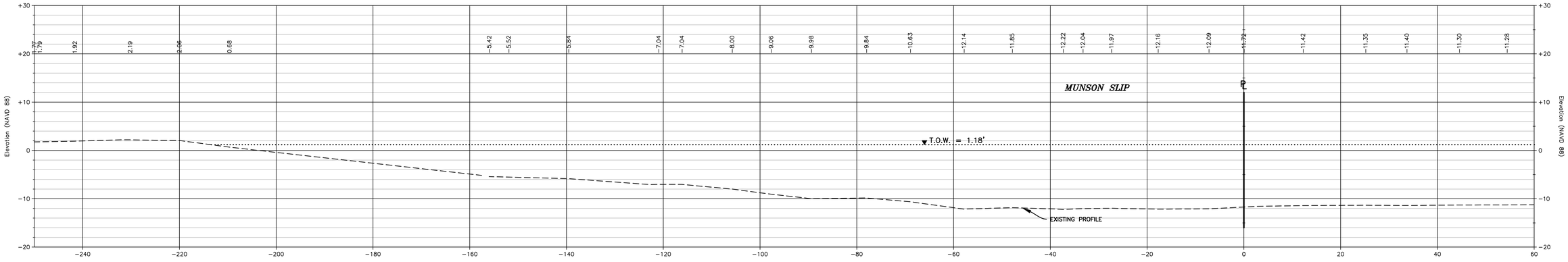
LEONARD CHAUVIN P.E., P.L.S., INC.
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

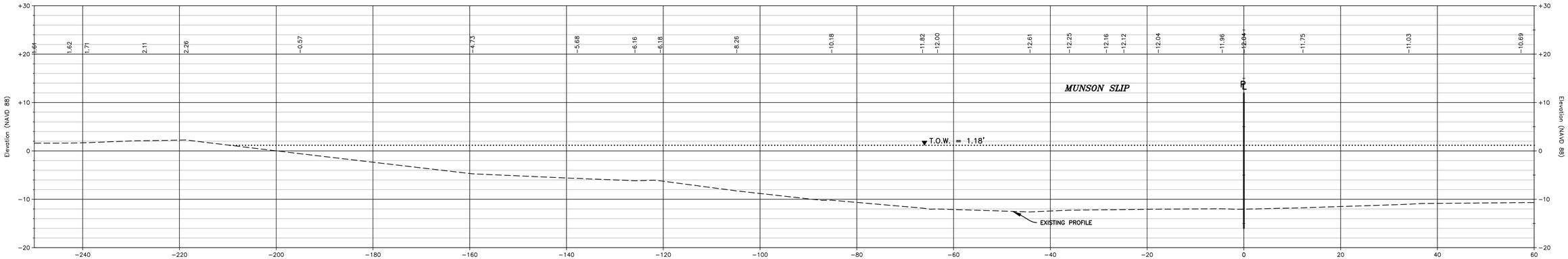
OWNER: **GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN**

PROJECT: **TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY**

TITLE: **CROSS SECTIONS**



CROSS SECTION @ 4+50



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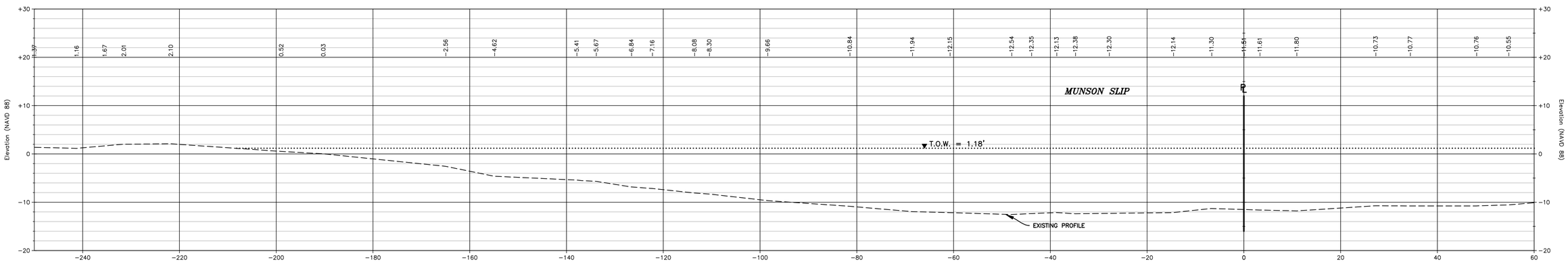


CROSS SECTION @ 3+50

DATE	DESCRIPTION	BY

REVISION

SCALE IN FEET
60' 30' 0 60' 120' 180'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
License No. 5260
PROFESSIONAL
LAND SURVEYOR

4/6/2022
DATE:

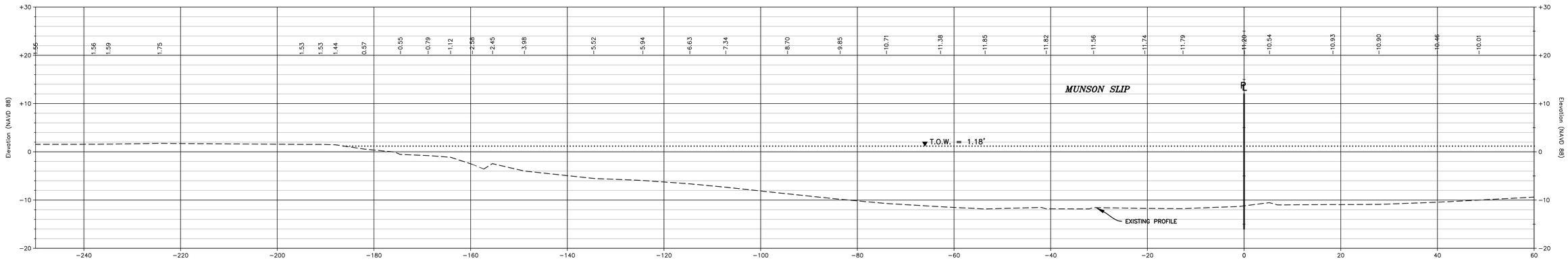
LEONARD CHAUVIN P.E., P.L.S., INC.
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

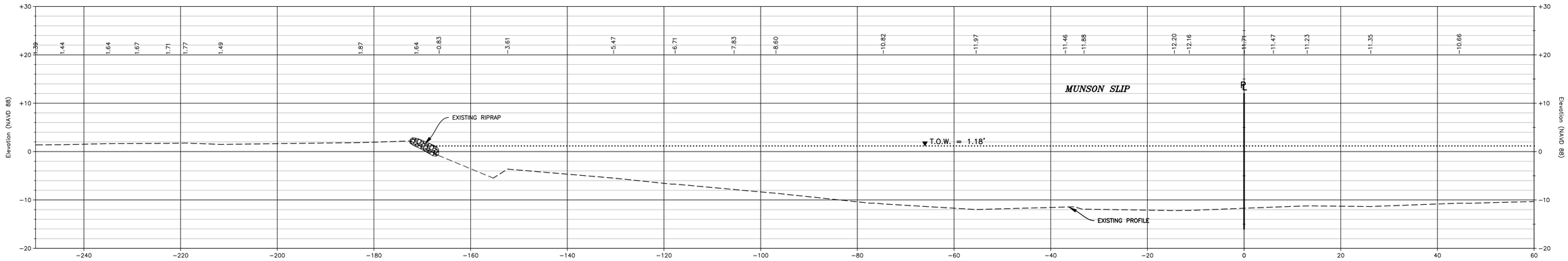
OWNER: GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN

PROJECT: TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY

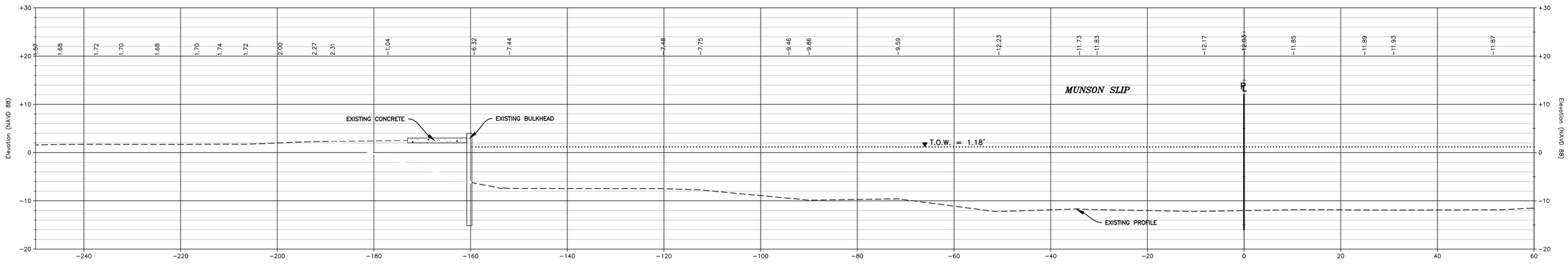
TITLE: CROSS SECTIONS



CROSS SECTION @ 6+00



CROSS SECTION @ 5+50



CROSS SECTION @ 5+00

DATE	DESCRIPTION	BY
	REVISION	

SCALE IN FEET
60' 30' 0 60' 120' 180'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
License No. 5260
PROFESSIONAL
LAND SURVEYOR

4/6/2022
DATE:

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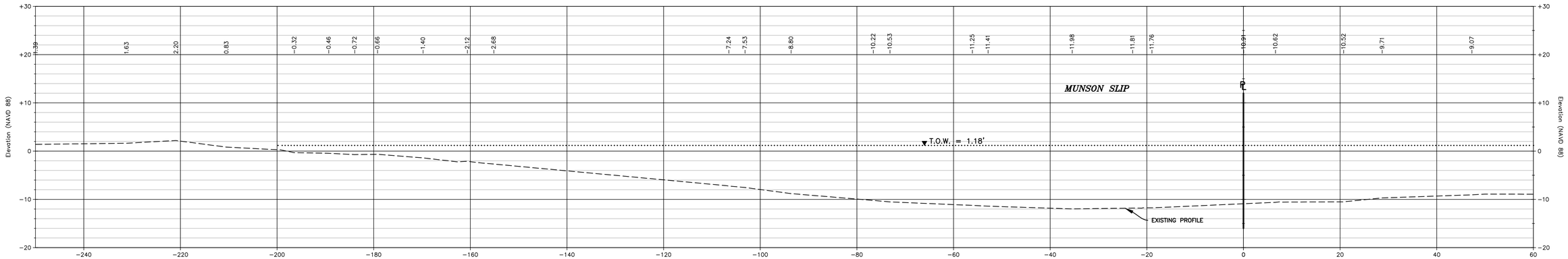
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

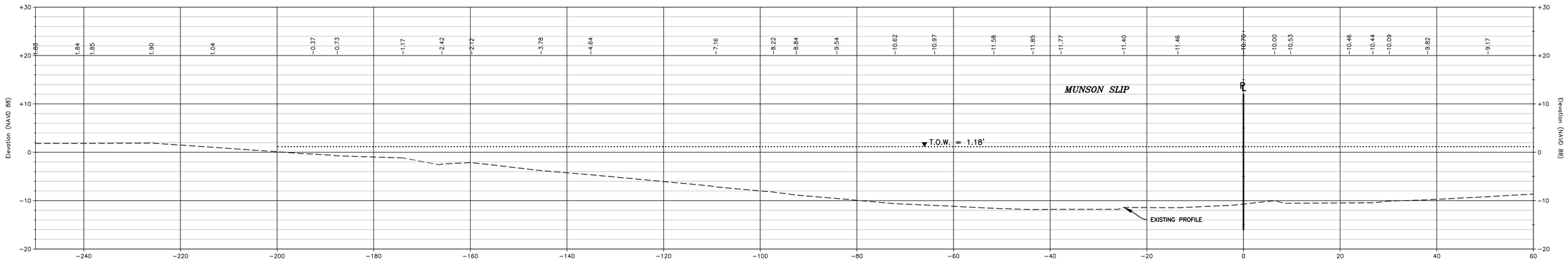
OWNER: GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN

PROJECT: TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY

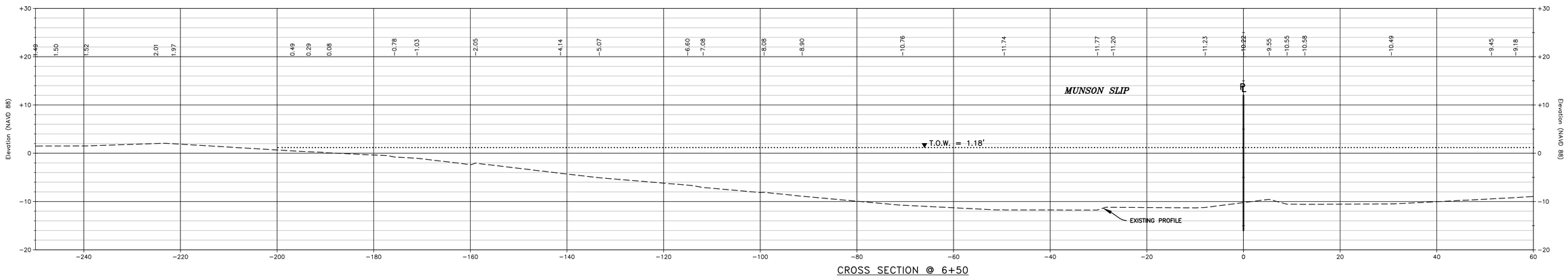
TITLE: CROSS SECTIONS



CROSS SECTION @ 7+50



CROSS SECTION @ 7+00



CROSS SECTION @ 6+50

DATE	DESCRIPTION	BY

REVISION

SCALE IN FEET
60' 30' 0 60' 120' 180'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
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4/6/2022
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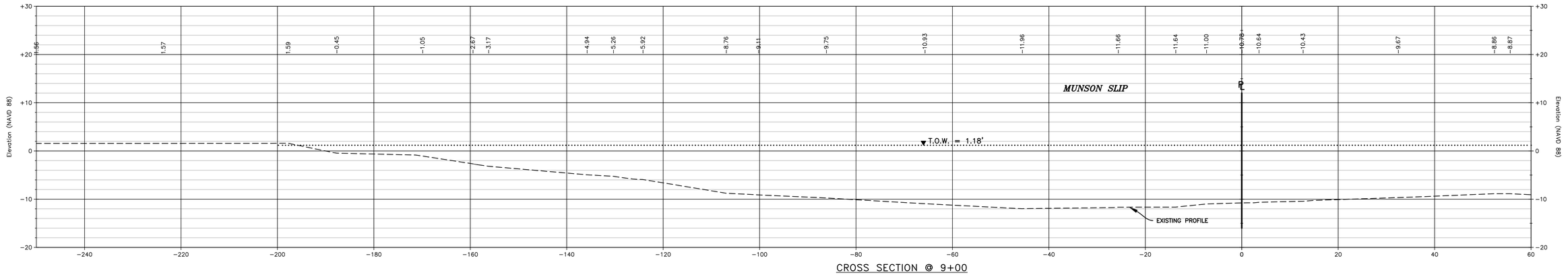
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

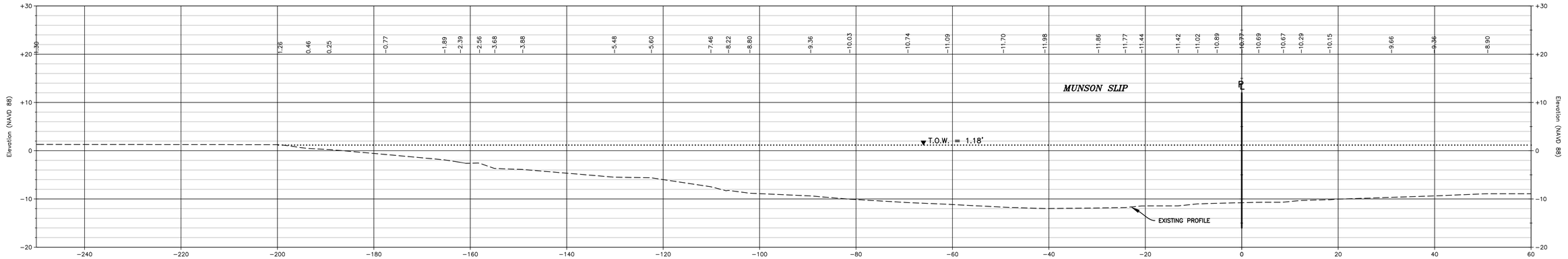
OWNER: GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN

PROJECT: TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY

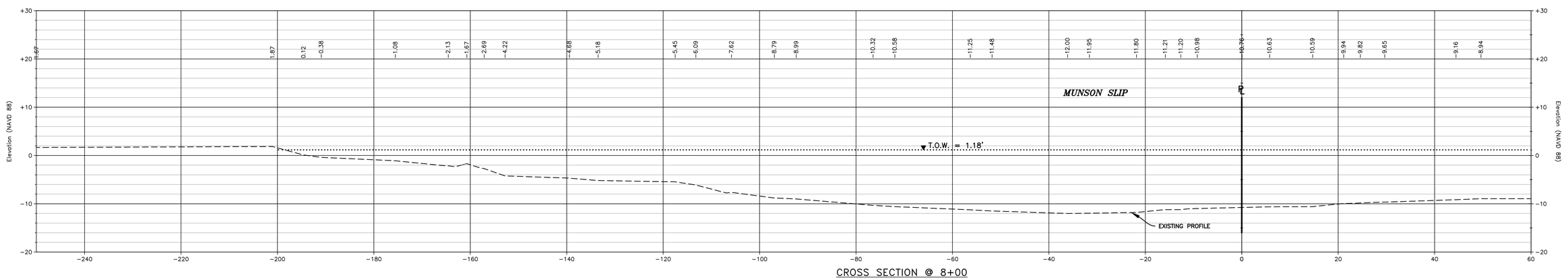
TITLE: CROSS SECTIONS



CROSS SECTION @ 9+00



CROSS SECTION @ 8+50



CROSS SECTION @ 8+00

DATE	DESCRIPTION	BY

REVISION

SCALE IN FEET
60' 30' 0 60' 120' 180'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
License No. 5260
PROFESSIONAL
LAND SURVEYOR

4/6/2022
DATE:

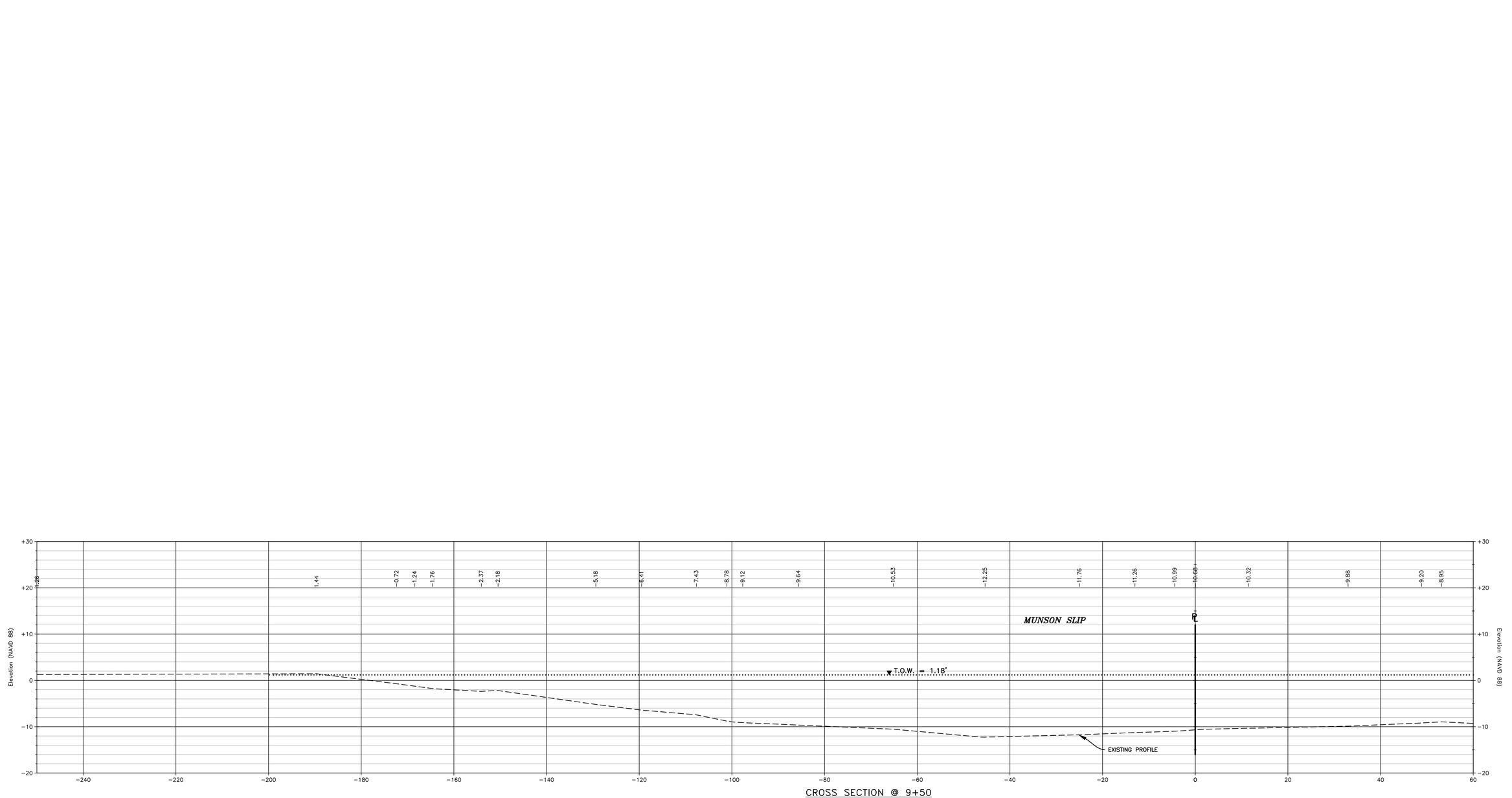
LEONARD CHAUVIN P.E., P.L.S., INC.
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

OWNER: **GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN**

PROJECT: **TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY**

TITLE: **CROSS SECTIONS**



CROSS SECTION @ 9+50

DATE	DESCRIPTION	BY

REVISION

SCALE IN FEET
60' 30' 0 60' 120' 180'

STATE OF LOUISIANA
LEONARD J. CHAUVIN III
License No. 5260
PROFESSIONAL
LAND SURVEYOR

4/6/2022
DATE:

LEONARD CHAUVIN P.E., P.L.S., INC.
CIVIL ENGINEER – LAND SURVEYOR
627 JACKSON ST. THIBODAUX, LA.

DESIGNED: III	DETAILED: JLN	TRACED:
CHECKED: III	CHECKED: III	CHECKED:
DATE: AUGUST 2021		PROJECT: 20-2533

OWNER: **GROS FLORES POSITERRY ARCHITECTURE & INTERIOR DESIGN**

PROJECT: **TOPOGRAPHIC SURVEY OF FLETCHER MARINE PETROLEUM FACILITY**

TITLE: **CROSS SECTIONS**