

LIFE-SAFETY INFORMATION

APPLICABLE CODES		
NFPA 101 LIFE-SAFETY CODE 2015		
OCCUPANCIES MERCANTILE (CHAPTER 31) & STORAGE (CHAPTER 42); CONSTRUCTION TYPE II B MIXED OCCUPANCIES (REFERENCE CHAPTER 6)		
OCCUPANT LOAD FACTOR (REFERENCE TABLE 7.3.1.2)		
MERCANTILE: 1,000 S.F.	30 SF GROSS / OCCUPANT =	30
STORAGE: 5,000 S.F.	500 SF GROSS / OCCUPANT =	10
TOTAL OCCUPANTS = 40		
CLASSIFICATION OF HAZARD OF CONTENTS		
(REFERENCE: OCCUPANCY CHAPTER AND 6.2.2; SPECIFY LOW, ORDINARY, OR HIGH) ORDINARY HAZARD		
CONSTRUCTION TYPE(S) (REFERENCE: CHAPTER 8, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)		
II B		
MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS		
(REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)		
1/2 DIAGONAL = 66 FT	SECTION 42.2.4.1 LOW AND ORDINARY HAZARD STORAGE OCCUPANCIES & SECTION 31.2.4.2 FOR BUSINESS ALLOWING FOR SINGLE MEANS OF EGRESS	
MAXIMUM DEAD-END CORRIDORS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6) 50		
MAXIMUM COMMON PATH OF TRAVEL DISTANCE (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6) 75		
MAXIMUM TRAVEL DISTANCE TO EXITS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6) 200		
EXTINGUISHMENT REQUIREMENTS SPRINKLER (NOT REQUIRED)		
DETECTION, ALARM, AND COMMUNICATION SYSTEMS NO 2.9.4.1 - 42.3.4.4		
ALLOWABLE HEIGHT AND BUILDING AREA PER IBC EQUIVALENT CONSTRUCTION TYPE		

BUILDING CODE

APPLICABLE CODES		
IBC 2015		
OCCUPANCY M (MERCANTILE), S-1 (REPAIR GARAGE); MIXED OCCUPANCIES (IBC 2015 CHAPTER 10)		
OCCUPANT CALCULATIONS (TABLE 1004.1.2)		
MERCANTILE	SQUARE FOOTAGE	
1,000 S.F.	30 GROSS/OCCUPANT	30 OCCUPANTS
5-1 REPAIR GARAGE	5,000 S.F.	500 GROSS/OCCUPANT
		10 OCCUPANTS
TOTAL OCCUPANTS 40 OCCUPANTS		
CONSTRUCTION TYPE(S) (TABLE 503)		
II B (SECTION 503)		
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION		
MAXIMUM HEIGHT IN FEET (SECTION 503 & 504, TABLE 504.3) 55		
MAXIMUM NUMBER OF STORIES (SECTION 503 & 504, TABLE 504.4) 2		
MAXIMUM AREA IN SQUARE FEET, NON-SPRINKLED (SECTION 503, 506 & 507, TABLE 506.2) 17,500		

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:

DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY

WIND SPEED V_{ult} = 143 MPH (IBC FIG 1609.3(1))

NOMINAL DESIGN WIND SPEED V_{asd} = 111 MPH ($V_{ult} \times (0.6)^{1/2}$)

RISK CATEGORY: CATEGORY II BLDG SURFACE ROUGHNESS = C

TOPOGRAPHIC FACTOR = 1 EXPOSURE = C

INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1): ± 0.18

LIVE LOADS (IBC SEC 1607):

GARAGE, AUTO (IBC TABLE 1607.1): 40 PSF

OFFICE LOBBIES & CORRIDORS 1ST FLOOR: 100 PSF

OFFICES (IBC TABLE 1607.1): 50 PSF

ROOF LIVE LOADS (IBC TABLE 1607.1): 20 PSF UNIFORM, 300 LB CONCENTRATED

GROUND SNOW LOAD (IBC FIG 1609.2): SNOW LOADS (IBC SEC 1608): 5 PSF

FLOOD ZONE INFORMATION

BASED ON THE LSU FLOOD MAP THIS PROPERTY IS IN ZONE X BASE FLOOD.

FIRM, COMMUNITY NO. 22103C04#5F DATE: 04/30/2008

FLOOD ZONE: X BASE FLOOD ELEVATION: N/A

LIFE-SAFETY LEGEND

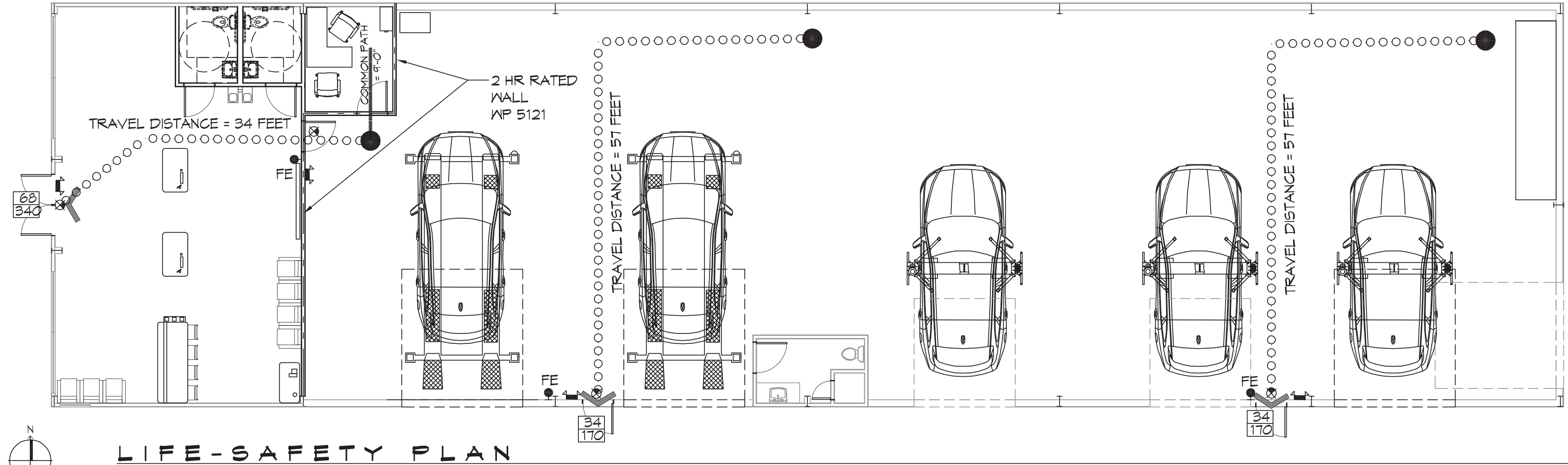
SYMBOL	DESCRIPTION
	EXITS
	DOOR WIDTH/EGRESS CAPACITY
	EXIT LIGHT
	FIRE EXTINGUISHER W/ MALL MTD BRACKET
	TRAVEL DISTANCE
	DECISION POINT

PROJECT STATISTICS

EXISTING 6000 SQ. FT. BUILDING WILL BE USED FOR A REPAIR SHOP

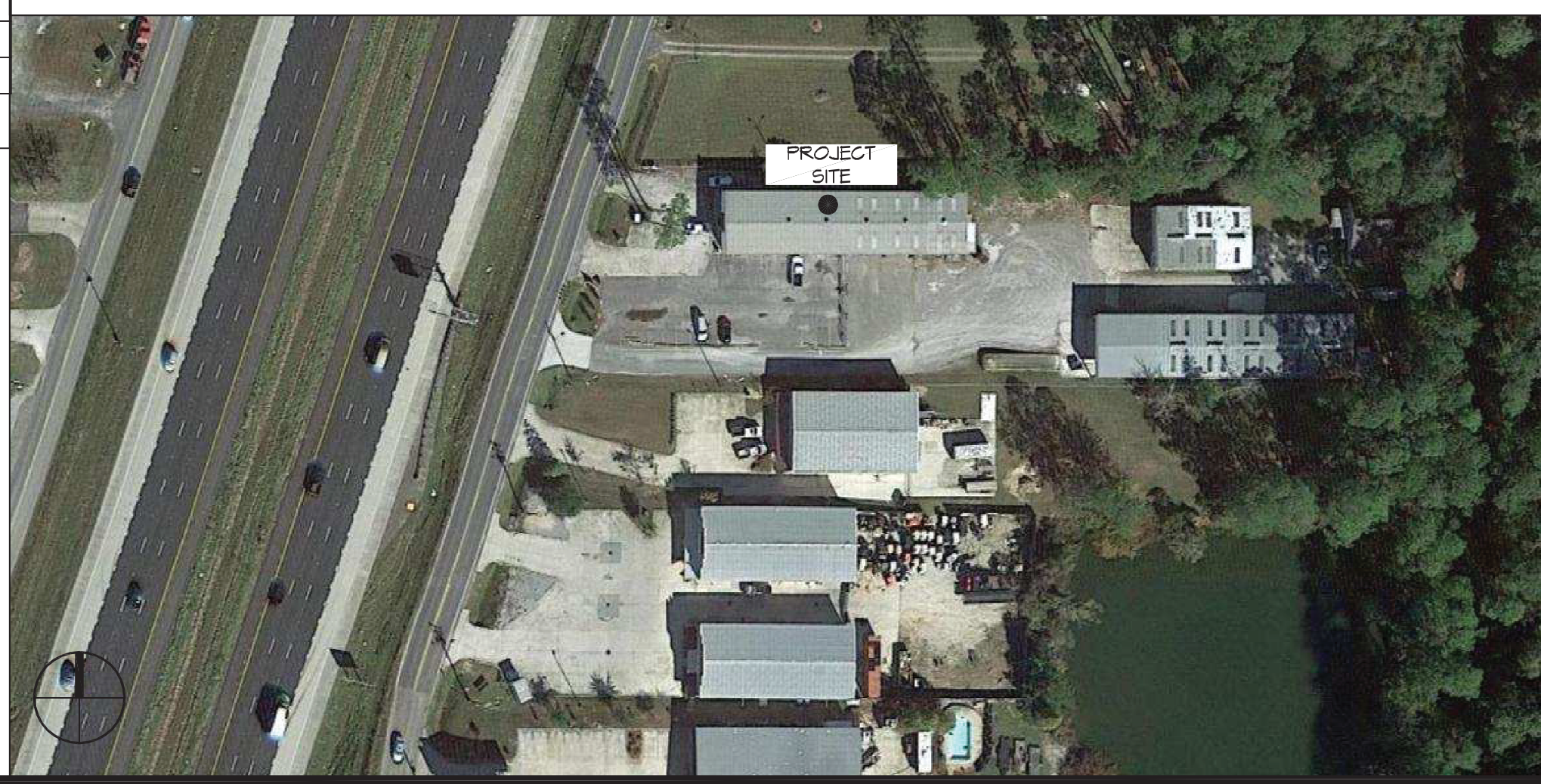
PROJECT LOCATION:
T22 EAST I-10 SERVICE ROAD
SLIDELL, LA.

OWNER:
DOMINATE FLEET LLC



LIFE-SAFETY PLAN
SCALE: 1/8" = 1'-0"

VICINITY MAP



GENERAL NOTES

- ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
- CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
- THE DRAWINGS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
- DO NOT SCALE DRAWINGS. CONSULT WITH THE ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
- TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
- THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
- ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

SHEET INDEX

SHEET #	SHEET TITLE
G101	GENERAL INFORMATION SHEET
G102	ACCESSIBILITY INFORMATION
C101	SITE PLAN
A101	FLOOR PLAN
A102	BUILDING ELEVATIONS
P101	PLUMBING PLAN
E101	ELECTRICAL ONE LINE DIAGRAM
E102	LIGHTING AND POWER PLAN

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Welsch, PE
554 Old Spanish Trail
Slidell, LA 70668
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.8832

REVISIONS	DATE
#	DESCRIPTION

SEAL:

MERKE CAR CENTER

MEKE

GENERAL INFORMATION SHEET

DRAWING NUMBER:

G101

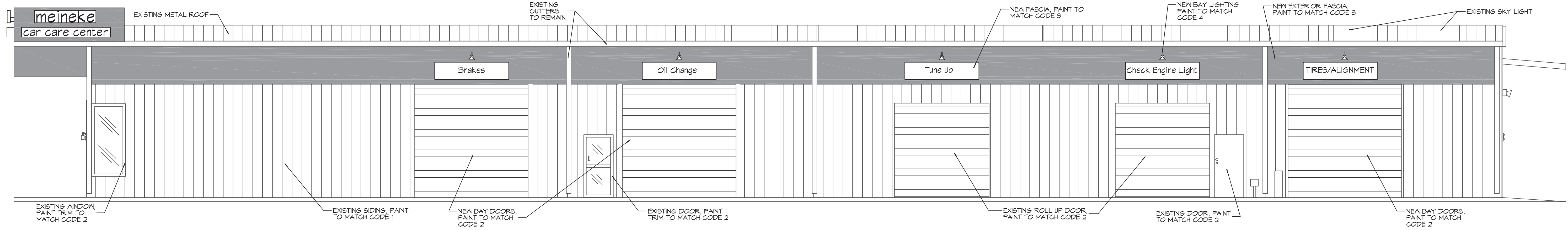
SHEET No: 1 of 8

FILE NAME: J:\Projects\2021\20210615\20210615.dwg
 USER: JAMMON
 PLOT DATE: 06/17/2021
 PLOT TIME: 11:58:32 AM
 PLOT DEVICE: HP DesignJet 5000

PAINT CODES		
CODE	COLOR CODE	COLOR
1	SW 1014	SHERWIN WILLIAMS ELDER WHITE (FLAT FINISH)
2	SW 6258	SHERWIN WILLIAMS TRICORN BLACK (FLAT FINISH)
3	SW 7064	SHERWIN WILLIAMS IRON ORE (FLAT FINISH)
4	104 U	PANTONE 104 YELLOW

*SEE MEINEKE CENTER GUIDELINES

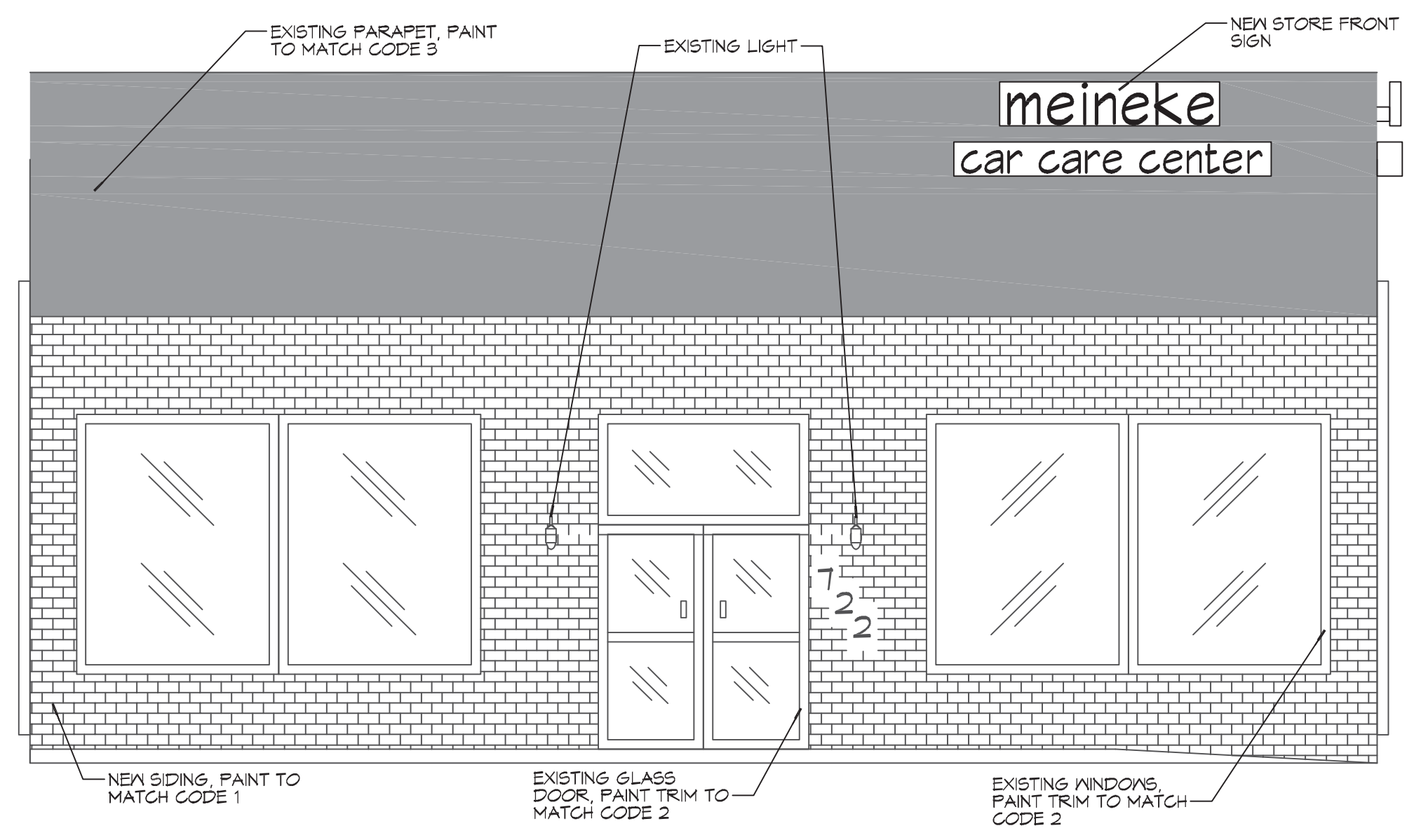
DAMMON
ENGINEERING, INC.
 LOUISIANA & MISSISSIPPI
 www.dammonengineering.com
 info@dammonengineering.com
 Chief Engineer: Brian Metcalf, PE
 554 Old Spanish Trail
 Slidell, LA 70448
 PH: 985.469.8832



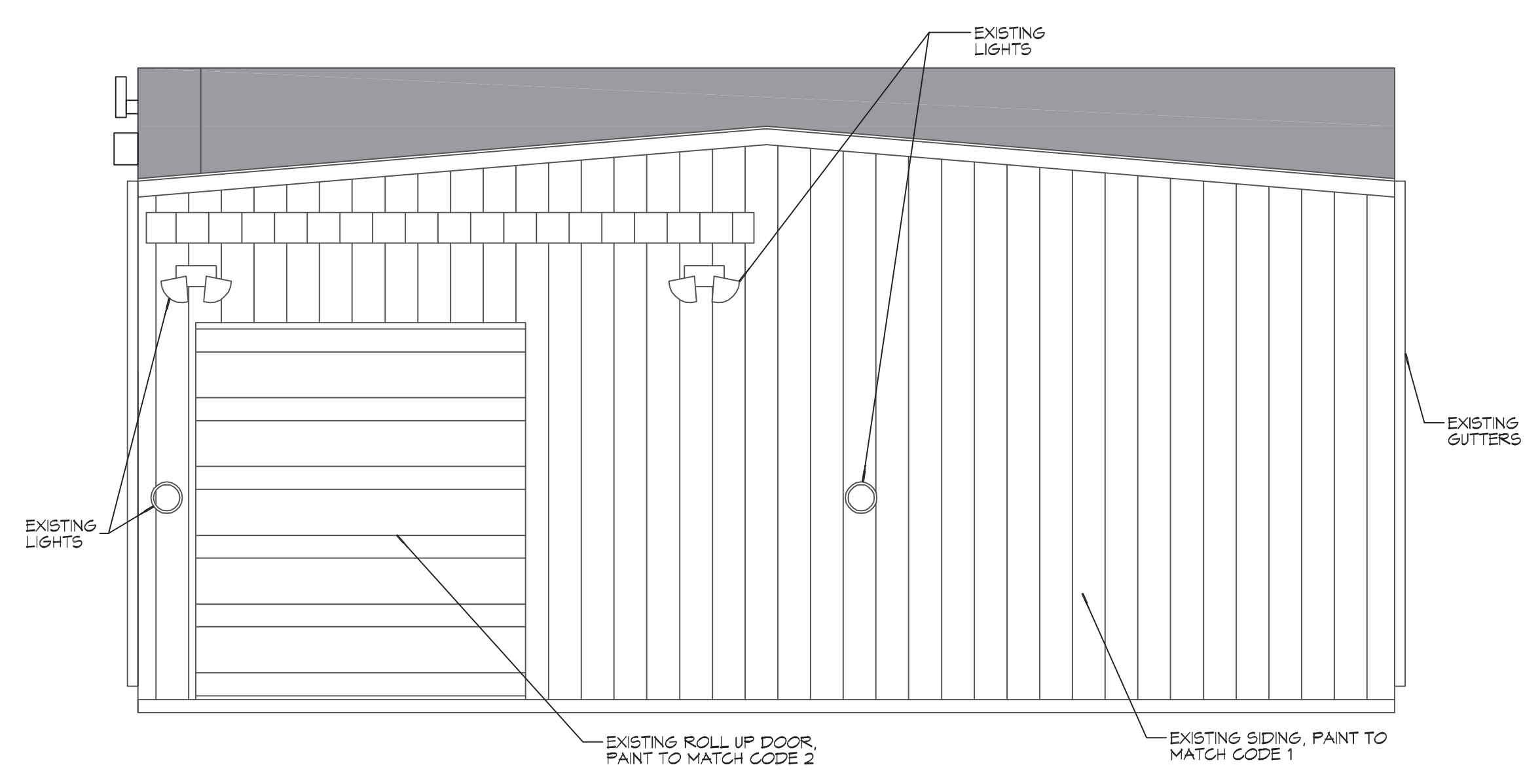
9 RIGHT ELEVATION
SCALE: 3/16"=1'-0"

#	DESCRIPTION	DATE

SEAL:



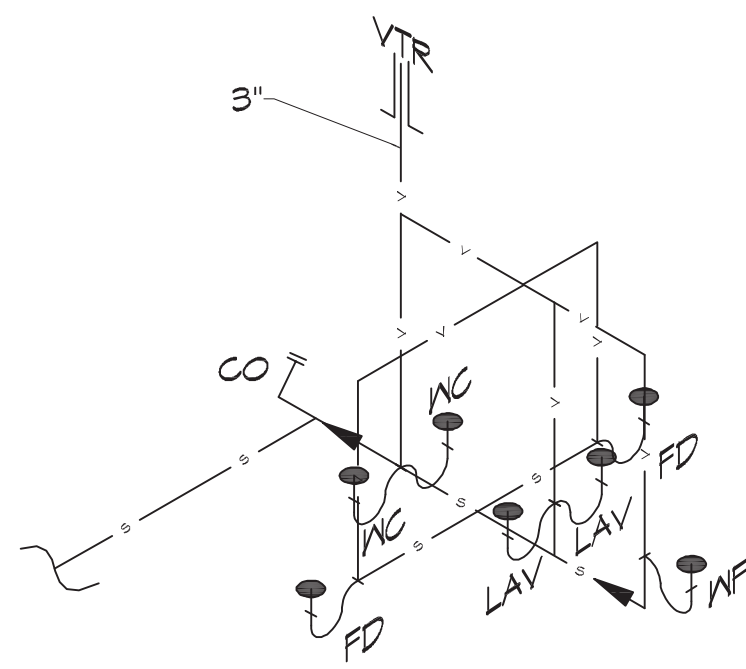
10 FRONT ELEVATION
SCALE: 1/4"=1'-0"



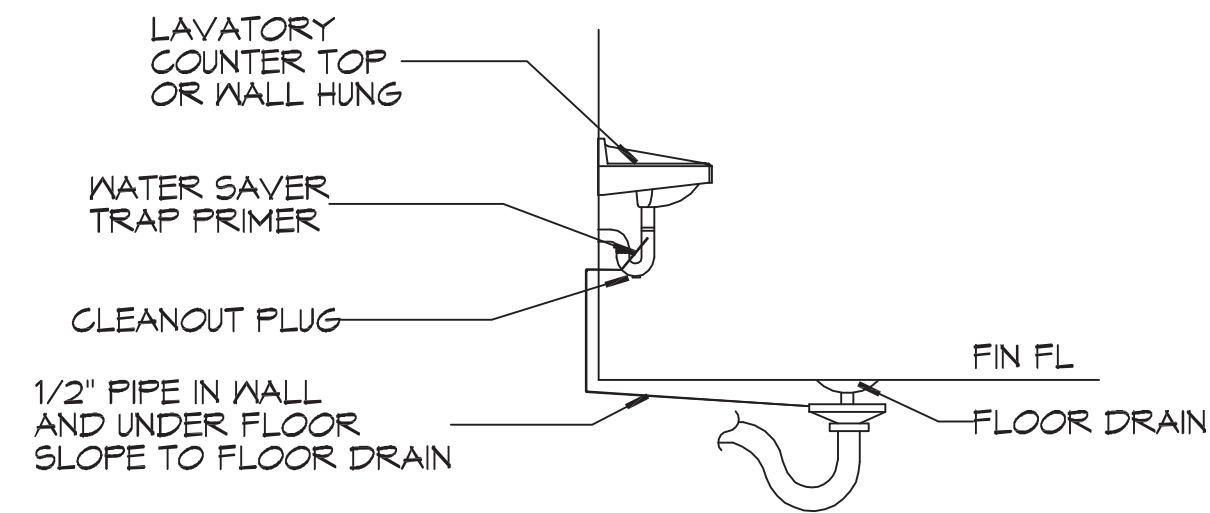
11 REAR ELEVATION
SCALE: 1/4"=1'-0"

MEINEKE
MEINEKE CENTER
 733 EAST I-10 SERVICE ROAD
 SLIDELL, LA 70469
 JOB No: 2442 DATE: 06/17/2021
 DRAWN BY: RLD CHECKED BY: GNS

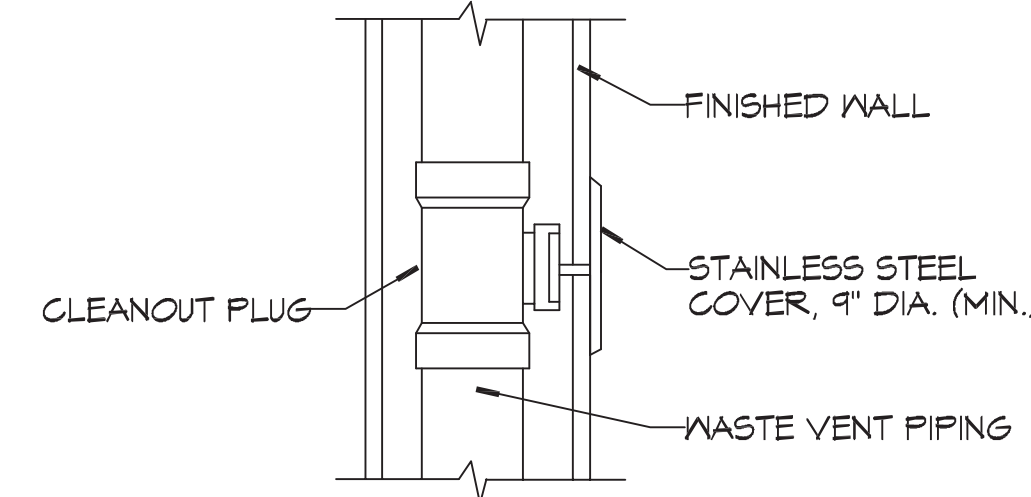
SHEET TITLE:
NEW ELEVATIONS
 DRAWING NUMBER:
A102
 SHEET No: 5 of 8



12 PLUMBING RISER PLAN
SCALE: NTS



DETAIL
SCALE: NTS



DETAIL
SCALE: NTS

GENERAL PLUMBING NOTES

- PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
- PROVIDE ALL LABOR, MATERIAL, TRANSPORTATION, SUPERVISION, CLEAN-UP, SERVICES, AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME, CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
- ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES. MUST MEET LA STATE PLUMBING CODE 2019 REQUIREMENTS.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
- CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
- SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
- TEST ALL PIPING AT REQUIRED PRESSURE.
- ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL SYSTEM AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
- ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
- DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K, SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
- DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L, HARD DRAWN WITH COPPER, PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE #8A (#5-5) SOLDER.
- SOL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DRY PIPES AND FITTINGS WHERE PERMITTED BY CODE.
- ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING ELEMENTS PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
- SEE ROOF PLAN FOR PLUMBING ROOF PENETRATIONS. ROUTE VENT PIPES IN ATTIC AS NECESSARY.
- ALL VENTS THROUGH ROOF (VTR) SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY MECHANICAL OR NATURAL AIR INTAKE.

LEGEND

SYMBOL	DESCRIPTION
—S—S—	SANITARY SEWER
—V—V—	VENT PIPE
—●FD	FLOOR DRAIN
—CO	LINE CLEAN OUT

PLUMBING ABBREVIATIONS

CO	CLEAN OUT
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
LAV	LAVATORY IN COUNTER
FD	FLOOR DRAIN
MF	WATER FOUNTAIN

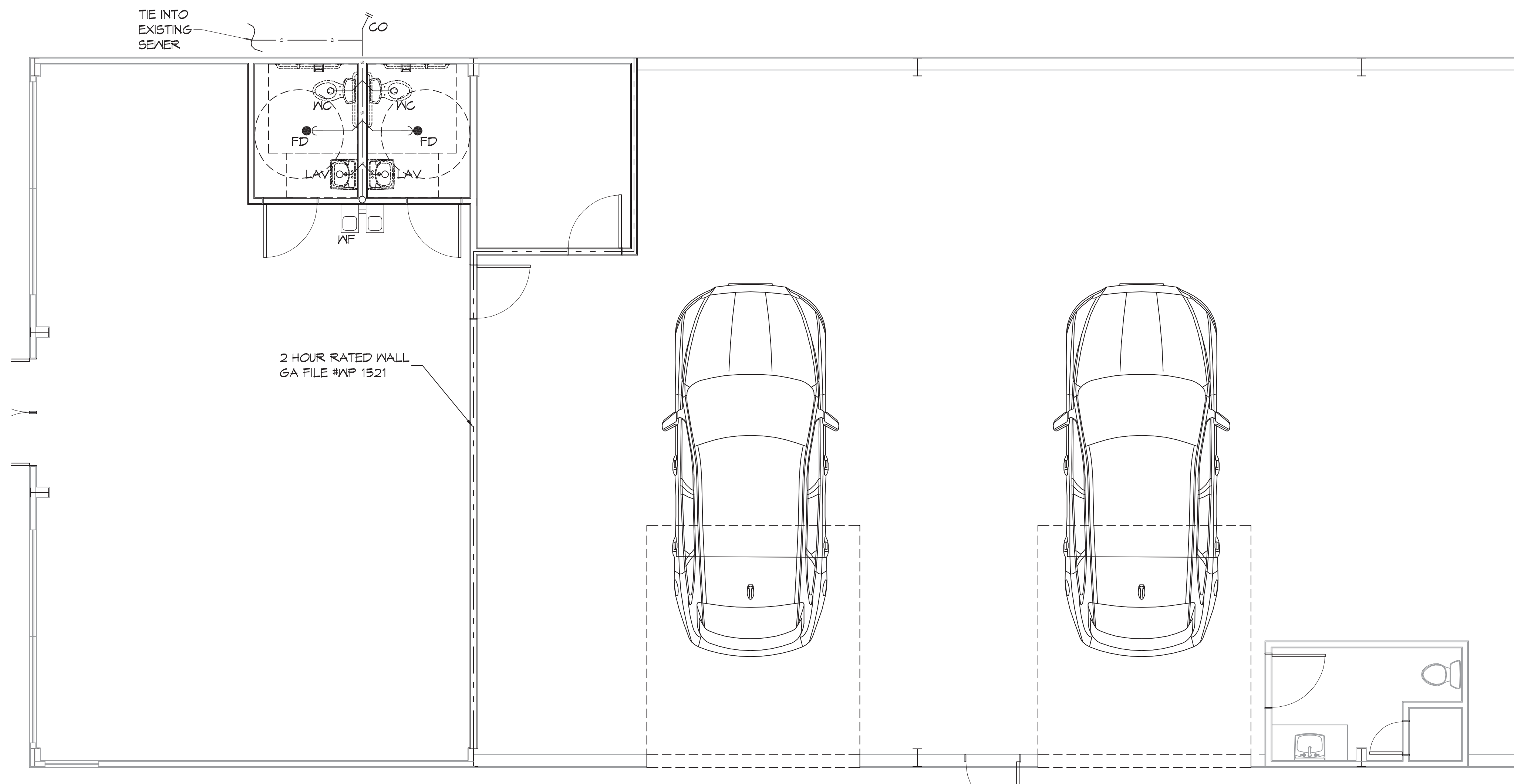
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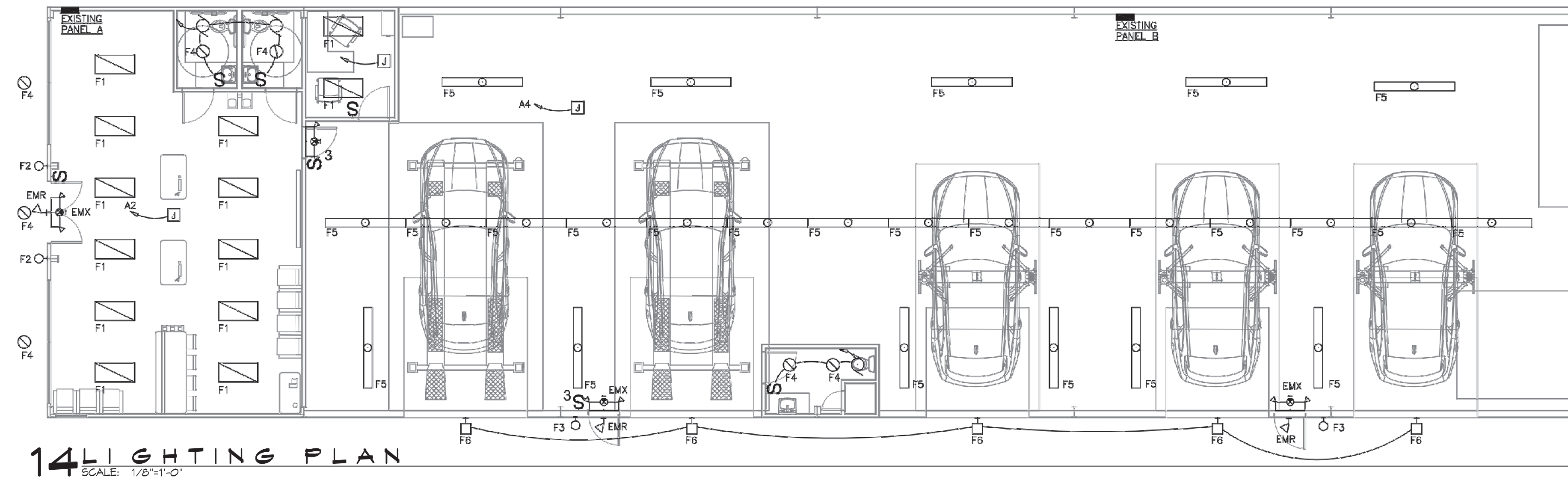
SEAL:

MENEKE CENTER
1222 EAST I-10 SERVICE ROAD
SLIDELL, LA, 70468
JOB No: 2442 DATE: 06/17/2021
DRAWN BY: C-KD CHECKED BY: C-KD

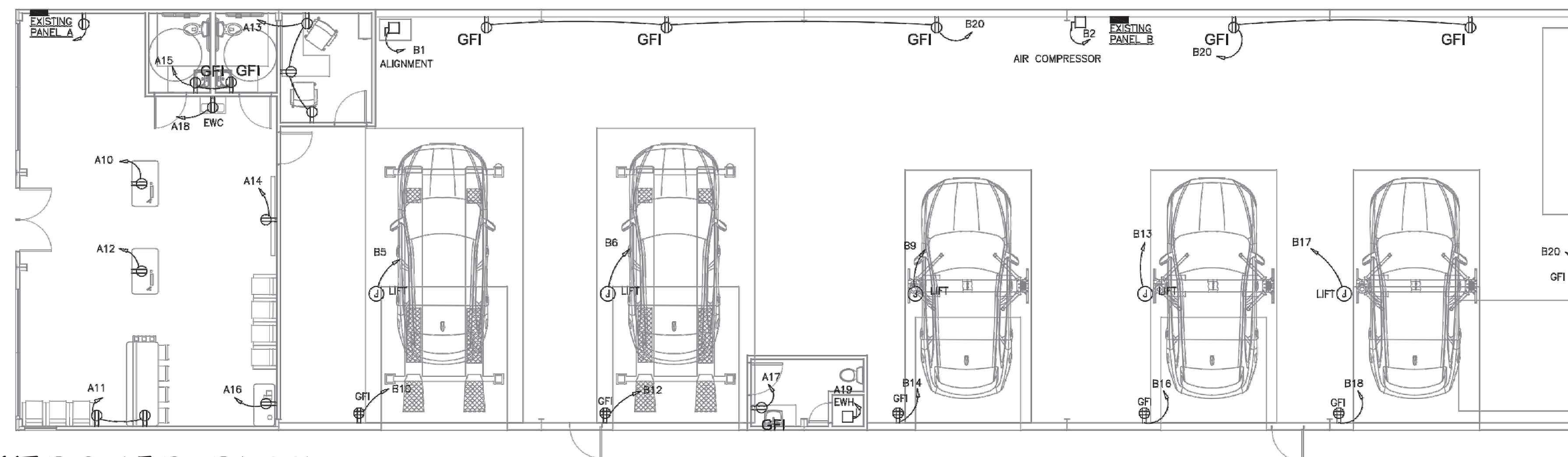
SHEET TITLE:
PLUMBING PLAN AND PLUMBING RISER DIAGRAM
DRAWING NUMBER:
P101
SHEET No: 6 of 8



13 PLUMBING PLAN
SCALE: 1/4"=1'-0"



14 LIGHTING PLAN
SCALE: 1/8"=1'-0"



15 POWER PLAN
SCALE: 1/8"=1'-0"

NOTES

1. THIS DOCUMENT HAS BEEN PREPARED BY ME AND/OR UNDER MY SUPERVISION AND IT COMPLIES, TO THE BEST OF MY KNOWLEDGE AND BELIEF, WITH LOCAL AND STATE CODE REQUIREMENTS.
2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AS PER NATIONAL ELECTRICAL CODE NFPA 70 AND BE U.L. LISTED.

DAMMON
ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Abtlich, PE
www.dammonengineering.com
554 Old Spanish Trail
Stidell, LA 70468
info@dammonengineering.com
PH: 985.649.9832

#	DESCRIPTION	DATE

SEAL:

06/16/2021

MENEKE
CAR WASH CENTER

1222 EAST I-10 SERVICE ROAD
SLIDELL, LA, 70458

JOB No: 2442 | DATE: 06/17/2021
DRAWN BY: RJK | CHECKED BY: RJK

SHEET TITLE:
POWER AND LIGHTING PLAN

DRAWING NUMBER:

E102

SHEET No: 0 of 0

