

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 1,000 S.F. 30 GROSS/OCCUPANT 30 OCCUPANTS
 S-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
SNOW LOADS (IBC SEC 1608):
 GROUND SNOW LOAD (IBC FIG 1608.2): 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

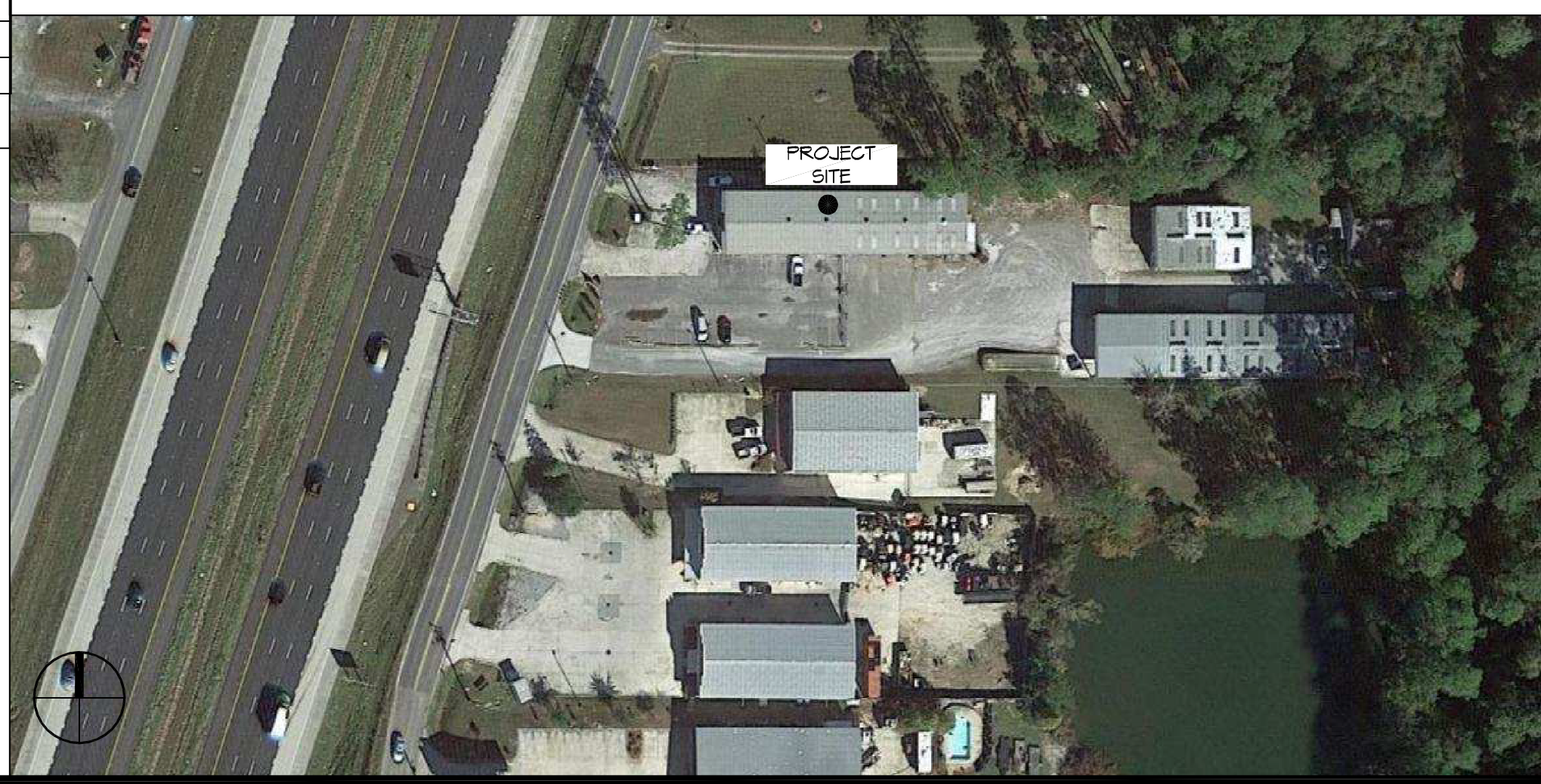
PROJECT STATISTICS

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

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REVISIONS	DATE	DESCRIPTION

SEAL:

 BRIAN A. MISTICH
 License No. 30187
 PROFESSIONAL ENGINEER

MEYER KECK CAR CENTER
 T22 EAST I-10 SERVICE ROAD
 SLIDELL, LA 70668
 JOB No: 2442 DATE: 06/17/2021
 DRAWN BY: JAS CHECKED BY: JAS

SHEET TITLE:
GENERAL INFORMATION SHEET

DRAWING NUMBER:
G101
 SHEET No: 1 of 8

FILE NAME: J:\Projects\1452 - Mercedes-Benz Service Station\1452 - Mercedes-Benz Service Station.dwg DATE: 06/17/2021 11:35:00

DOOR SCHEDULE

MK	WIDTH	HEIGHT	THK	DOOR MAT	FRAME MAT	FR	REMARKS
100	3'-0"	7'-0"	1-3/4"	GLASS/STEEL	STEEL	NR	DOUBLE DOORS, EXISTING TO REMAIN
101	3'-0"	7'-0"	1-3/4"	WOOD	STEEL	NR	NEW
102	3'-0"	7'-0"	1-3/4"	WOOD	STEEL	90 MIN.	NEW WITH CLOSURE
103	3'-0"	7'-0"	1-3/4"	GLASS/STEEL	STEEL	NR	EXISTING TO REMAIN
104	3'-0"	7'-0"	1-3/4"	STEEL	STEEL	NR	EXISTING TO REMAIN
105	1'-10"	7'-0"	1-3/4"	WOOD	STEEL	NR	EXISTING TO REMAIN
106	12'-0"	12'-0"	8-5/8"	STEEL	STEEL	NR	NEW
107	10'-0"	10'-0"	8-5/8"	STEEL	STEEL	NR	EXISTING TO REMAIN
108	10'-6"	12'-0"	8-5/8"	STEEL	STEEL	NR	EXISTING TO REMAIN

GENERAL NOTES

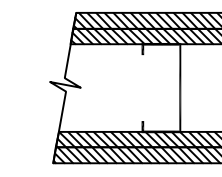
- INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IBC 2012 SECTION 719.
 - A. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND SMOKE DEVELOPED INDEX OF 0-450, EXCEPT THAT IN COMBUSTIBLE (WOOD FRAME) CONSTRUCTION.
 - B. FACING SHALL COMPLY WITH IBC 2012.
- ALL MATERIALS SHALL BE NEW AND UL LISTED.
- NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTORS.
- CONSTRUCTION SHALL COMPLY WITH ALL PARISH, STATE, AND LOCAL CODES.
- CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- CONTRACTOR SHALL FURNISH WATER AND POWER FROM EXISTING SOURCES.
- EXTERIOR CAULKING SHALL BE THICK CAULK.
- PAINT SHALL BE SHERWIN WILLIAMS OR EQUIVALENT AND APPROPRIATE FOR THE SUBSTRATE TO WHICH IT IS APPLIED AS RECOMMENDED BY PAINT MANUFACTURER. ALL WORK TO RECEIVE THREE COATS (ONE PRIMER COAT, TWO FINISH COATS) UNLESS OTHERWISE RECOMMENDED BY PAINT MANUFACTURER. COLORS TO BE SELECTED BY OWNER.
- PROVIDE CLEANUP ON A REGULAR BASIS. NO TRASH SHALL BE STORED INSIDE BUILDING PREMISES.
- ALL BATT INSULATION SHALL HAVE A CLASS "A" (0-25) FLAME SPREAD IN COMPLIANCE WITH IBC 2012.
- USE 2x6 STUDS, OR TWO 2x4 STAGGERED STUDS WITH 2x6 SILL PLATE AT ALL WALLS WHERE 4" PIPE IS INDICATED. SEE PLUMBING RISER DIAGRAM FOR PIPE SIZE.
- PROVIDE GALVANIZED METAL PAN WITH DRAIN AT ALL WATER HEATERS.
- ALL FLOORING SHALL MEET OR EXCEED ADA GUIDELINES REQUIREMENTS FOR SLIP RESISTANCE.
- INTERIOR LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL DEVICE TO OPEN IN THE DIRECTION OF EGRESS. ALL DOORS SHALL HAVE LEVER TYPE HANDLES.
- INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
- ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES COVERING THE TYPE OF WORK BEING PERFORMED.
- PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 101. SEE APPENDIX "E" OF NFPA 101 FOR DISTRIBUTION OF EXTINGUISHERS.
- ALL FIRE WALLS SHALL EXTEND TIGHT TO ROOF DECK AND BE SEALED WITH AN APPROVED FIRE CAULK.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING MATERIALS PENETRATING FIRE WALLS 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.)
- SERVICE COUNTERS SHALL HAVE AN ACCESSIBLE WRITING SURFACE IN COMPLIANCE WITH ADAAG ACCESSIBILITY GUIDELINES 2010, SECTION 902.3.

**GA FILE NO. WP 1521 GENERIC
GYPSUM WALLBOARD, STEEL STUDS**

BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL TO EACH SIDE OF 3 5/8" STEEL STUDS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 24" O.C. FACE LAYER 1/2" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL TO EACH SIDE WITH 1 5/8" TYPE S DRYWALL SCREWS 12" O.C.

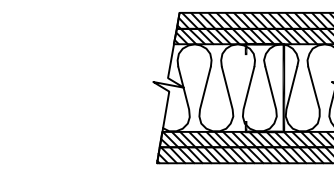
JOINTS STAGGERED 24" EACH LAYER AND SIDE. SOUND TESTED WITH 3 1/2" GLASS FIBER FRICTION FIT IN STUD SPACE (NLB).

2 HOUR FIRE 55 TO 59 STC SOUND

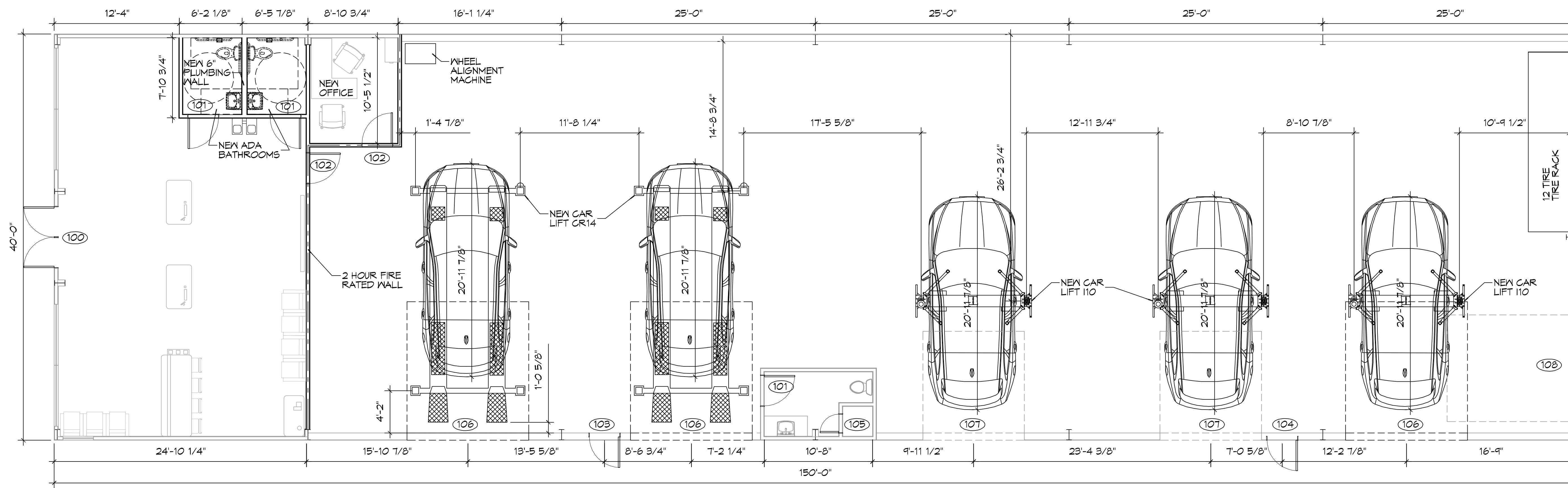


THICKNESS:
LIMITING HEIGHT:
APPROX. WEIGHT:
FIRE TEST:

SOUND TEST:



5 5/8"
REFER TO SECTION V
9 PSF
SEE WP 1545
(UC, 9-7-64;
ULC 80T499, 3-26-81
ULC DESIGN W414
NRCC 815-NV, 2-3-81)



3 FLOOR PLAN
SCALE: 3/16"=1'-0"

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

 BRIAN A. MISTICH
 License No. 30187
 PROFESSIONAL ENGINEER

MERCEDES-BENZ CAR CENTER
 122 EAST I-10 SERVICE ROAD
 SLIDELL, LA, 70458
 JOB No: 2442 | DATE: 06/17/2021
 DRAWN BY: CKD | CHECKED BY: CKD

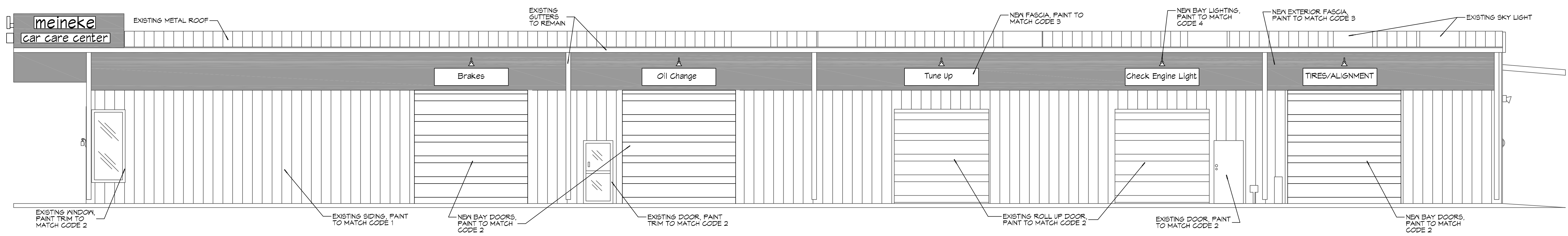
SHEET TITLE:
FLOOR PLAN
DRAWING NUMBER:
A101
SHEET No: 4 of 6

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PAINT CODES		
CODE	COLOR CODE	COLOR
1	SW 7014	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	109 U	PANTONE 109 YELLOW

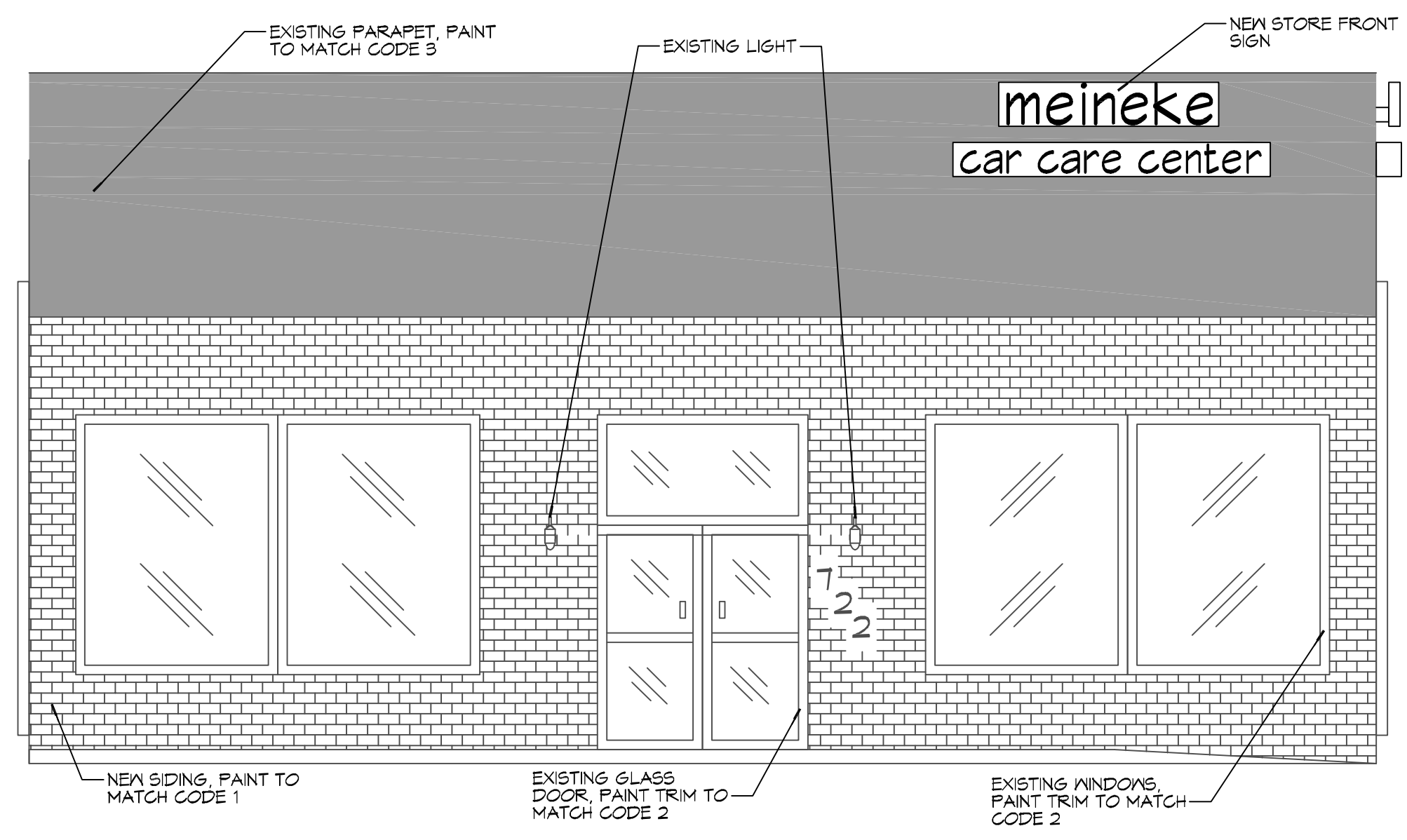
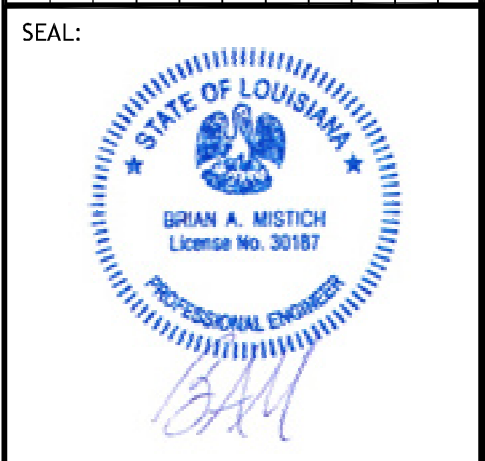
*SEE MEINEKE CENTER GUIDELINES

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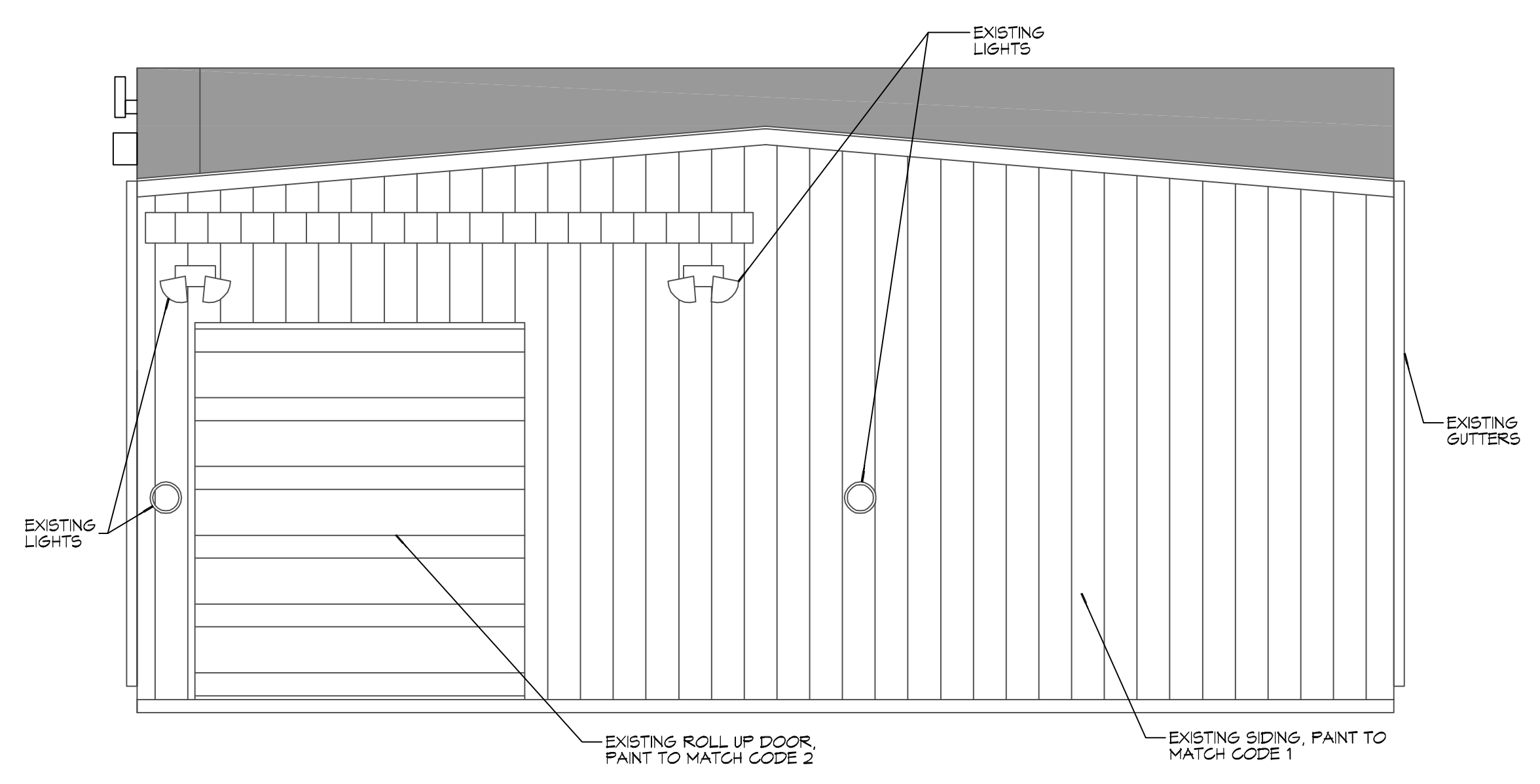


09 RIGHT ELEVATION
SCALE: 3/16"=1'-0"

#	DESCRIPTION	DATE



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



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

MEINEKE
MEINEKE CENTER
 722 EAST I-10 SERVICE ROAD
 SLIDELL, LA 70488
 JOB No: 2442 DATE: 06/17/2021
 DRAWN BY: RLD CHECKED BY: CKD

SHEET TITLE:
NEW ELEVATIONS

DRAWING NUMBER:
A102

