LIFE-SAFETY INFORMATION

APPLICABLE CODES	
NFPA 101 LIFE-SAFETY CODE 2015	
OCCUPANCY A & B, NON-SEPARATED USE; CONSTRUCTION TYPE V B	
BUSINESS (CHAPTER 38)	
MIXED OCCUPANCY	*(REFERENCE CHAPTER 6)*
OCCUPANT LOAD FACTOR	*(REFERENCE TABLE 7.3.1.2)*
ASSEMBLY 1,591 SF / 1 PERSON / 1'-6" OF BENCH =	48 + 2 WHEEL CHAIR = 50 OCCUPANTS
BUSINESS 9,283 SF / 100 SF PER OCCUPANT =	93 OCCUPANTS
CLASSIFICATION OF HAZARD OF CONTENTS	
(REFERENCE: OCCUPANCY CHAPTER AND 6.2.2: SPECIFY LOW, ORDINARY, OR HIGH)	
CONSTRUCTION TYPE(S)	*(REFERENCE: CHAPTER8, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)*
VB	
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 =	N/A
MAXIMUM DEAD-END CORRIDORS	*(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
MAXIMUM COMMON PATH OF TRAVEL DISTANCE	*(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
MAXIMUM TRAVEL DISTANCE TO EXITS	*(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
*MAIN ENTRANCE MUST BE SIGNED TO ACCOMODATE 1/2 OCCUPANT LOAD OF BUILDING	
EXTINGUISHMENT REQUIREMENTS	SPRINKLER REQUIRED
DETECTION, ALARM, AND COMMUNICATION SYSTEMS	REQUIRED
ALLOWABLE HEIGHT AND BUILDING AREA	PER IBC EQUIVALENT CONSTRUCTION TYPE

BUILDING CODE INFORMATION

APPLICABLE CODES		
IBC 2015		
ASSEMBLY GROUP A & BUSINESS GROUP B	(IBC 2012 CHAPTER 3)	
OCCUPANT LOAD CALCULATIONS	(TABLE 1004.1.2)	
ASSEMBLY AREAS = 1,591 SQ. F.T	1 PERSON / 1'-6" OF BENCH =	48 + 2 = 50 OCCUPANTS
BUSINESS AREAS = 9,283 SQ. F.T	100 SF PER OCCUPANT (GROSS)	93 OCCUPANTS
TOTAL OCCUPANTS		143 OCCUPANTS
CONSTRUCTION TYPE(S)	*(TABLE 503)*	
V B *(SECTION 503)*		
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION		
MAXIMUM HEIGHT IN STORIES *(SECTION 503 & 504, TABLE 503)*		2
MAXIMUM AREA IN SQUARE FEET *(SECTION 503, 506 & 507, TABLE 503)*		9,000

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 (A), (B), OR (C) DEPENDING ON THE RISK CATEGORY			
BASIC WIND SPEED (3 SECOND GUST) =		143 MPH (IBC FIG 1609C)	
RISK FACTOR:	CATEGORY II BLDG	SURFACE ROUGHNESS =	C
TOPOGRAPHIC FACTOR =	1	EXPOSURE =	C
DESIGN WIND PRESSURE (ASCE 7-10 TABLE 28.6-1):		48.4 PSF	
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1):		± 0.18	
LIVE LOADS (IBC SEC 1607)			
ASSEMBLY AREA W/ MOVEABLE SEATS (TABLE 1607.1):		100PSF	
PUBLIC ROOMS AND CORRIDORS SERVING THEM		100 PSF	
ROOF LIVE LOADS (IBC TABLE 1607.1):		20 PSF UNIFORM, 300 LB CONCENTRATED	
SNOW LOADS (IBC TABLE 1608):			
GROUND SNOW LOAD (IBC FIG 1608.2):		5 PSF	

FLOOD ZONE INFORMATION

BASED ON THE SURVEY OF THIS PROPERTY BY DUFRENE SURVEYING THIS PROPERTY IS NOT IN SPECIAL FLOOD HAZARD AREA. F.I.R.M. COMMUNITY MAP NO 225203 0119 F; REVISED 9/30/2016.

FLOOD ZONE:	X	BASE FLOOD ELEVATION	N/A - NAVD

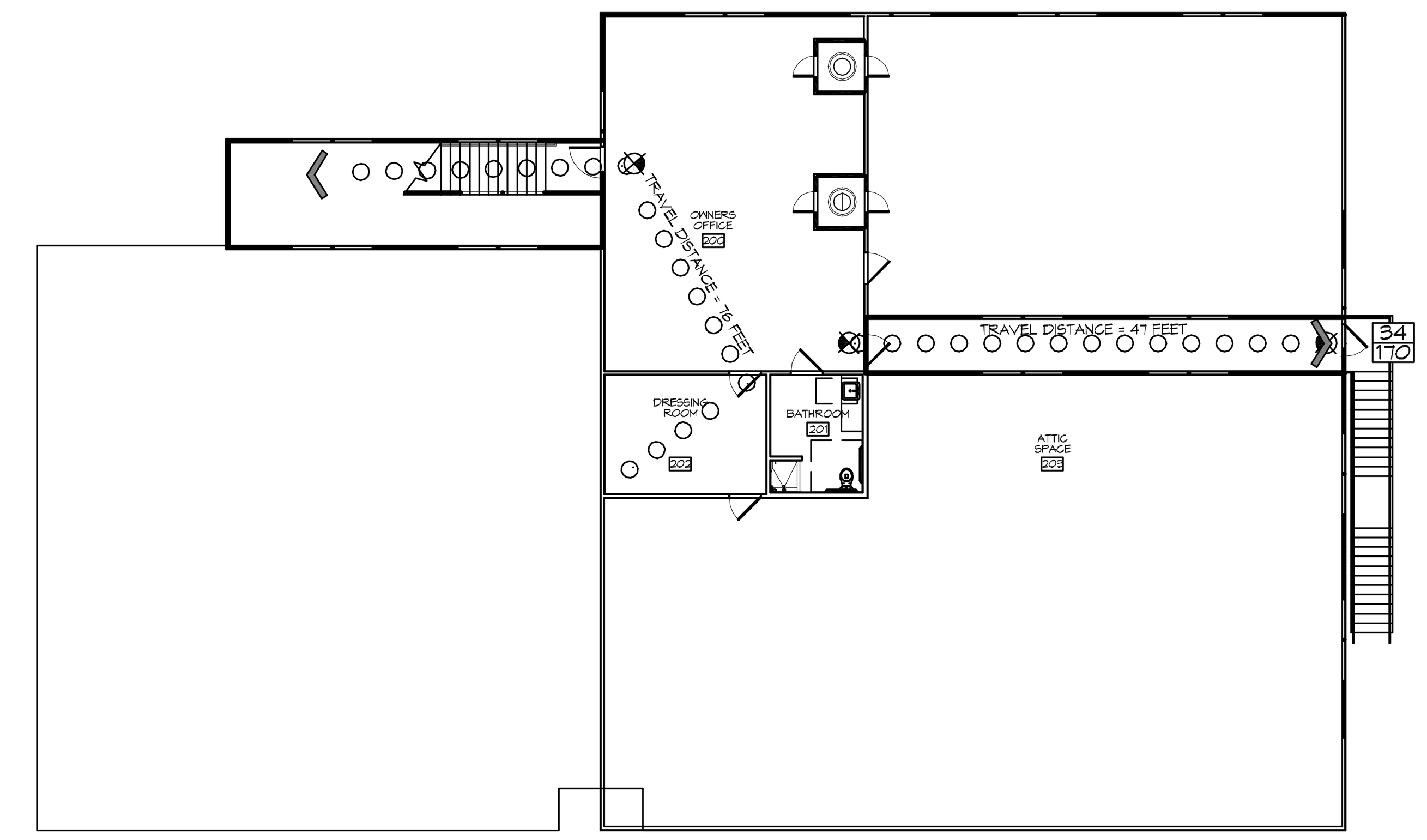
ELEVATIONS REFER TO NAVD 1929 DATUM

LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
〉	EXITS
(45)	DOOR FIRE RATING (MINUTES)
36/1'10	DOOR WIDTH/EGRESS CAPACITY
⊠	EXIT LIGHT
FE	FIRE EXTINGUISHER W/ WALL MTD BRACKET
-----	COMMON PATH OF TRAVEL
oooooooooo	TRAVEL DISTANCE
●	DECISION POINT

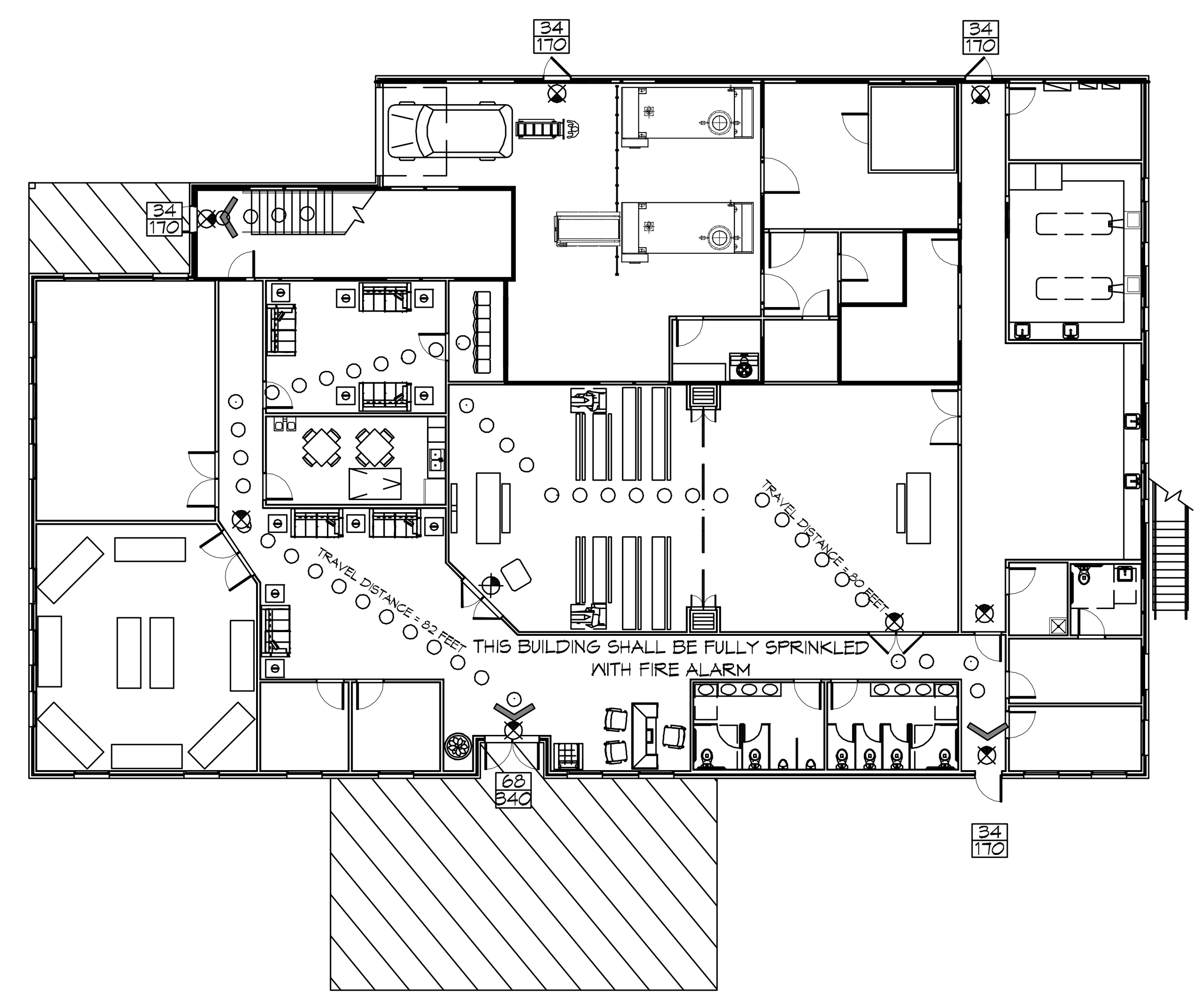
OCCUPANT INFORMATION

ASSEMBLY AREAS = 1,591 SQ. F.T	1 PERSON / 1'-6" OF BENCH =	48 + 2 = 50 OCCUPANTS
BUSINESS AREAS = 9,283 SQ. F.T	100 SF PER OCCUPANT (GROSS)	93 OCCUPANTS
TOTAL OCCUPANTS		143 OCCUPANTS
TOTAL SQ. F.T = 10874		



SECOND FLOOR PLAN

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



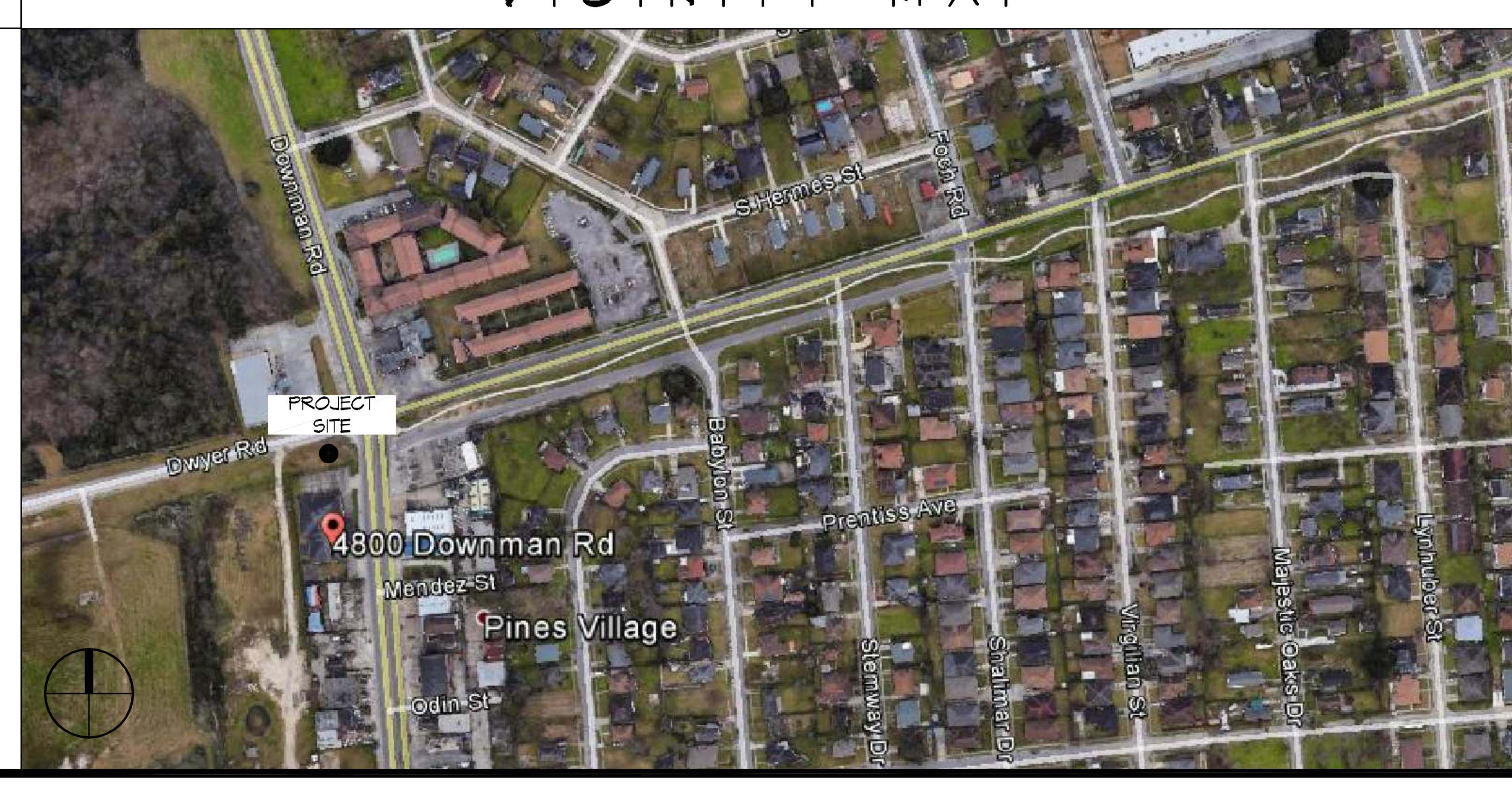
FIRST FLOOR PLAN

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

LIFE-SAFETY PLAN

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

VICINITY MAP



GENERAL NOTES

1. ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
2. CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
3. 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.
4. **DO NOT SCALE DRAWINGS.** CONSULT WITH THE ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
5. TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
6. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
7. CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
8. 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

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

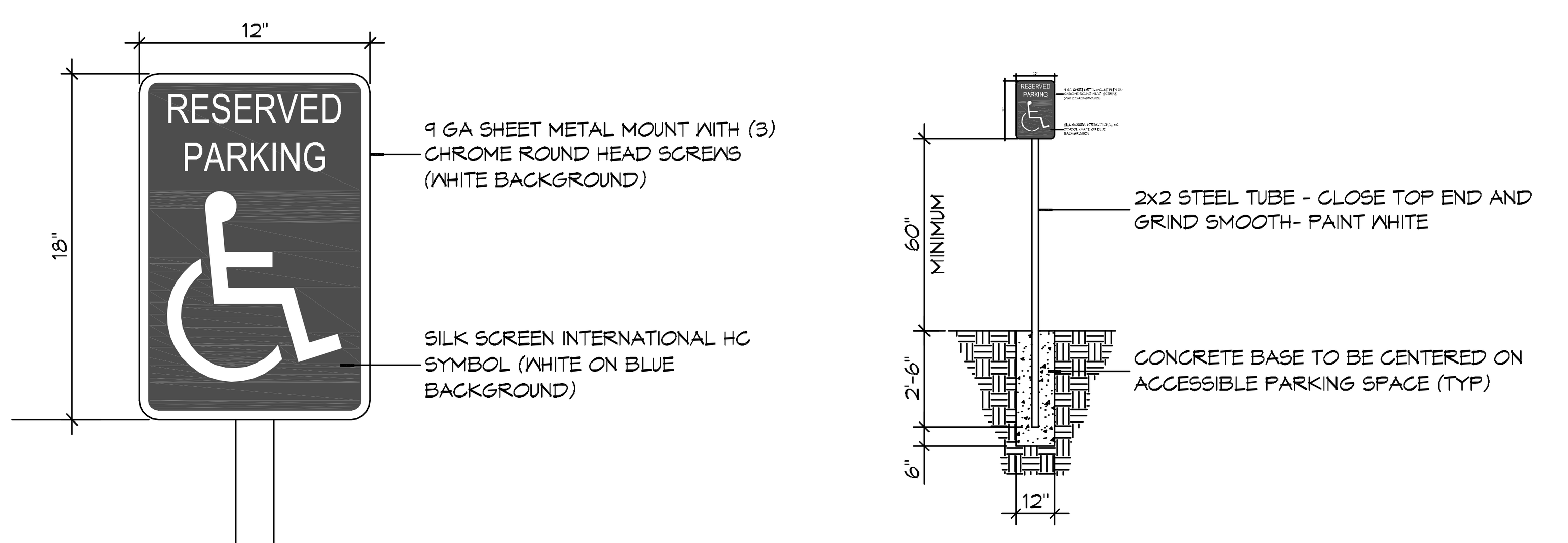
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	CKD	CHECKED BY:	CKD

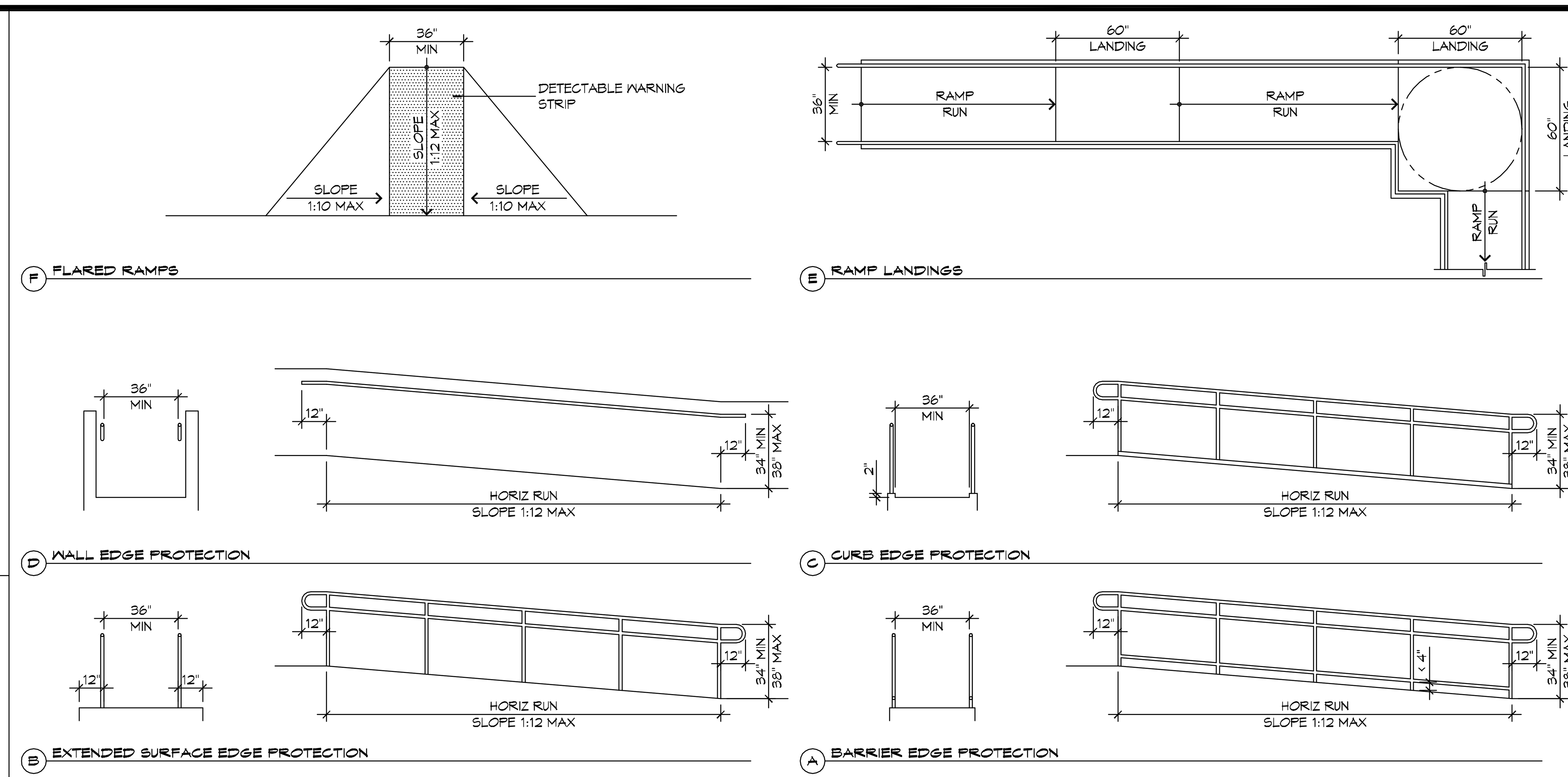
SHEET TITLE: GENERAL INFORMATION SHEET

DRAWING NUMBER: **G101**

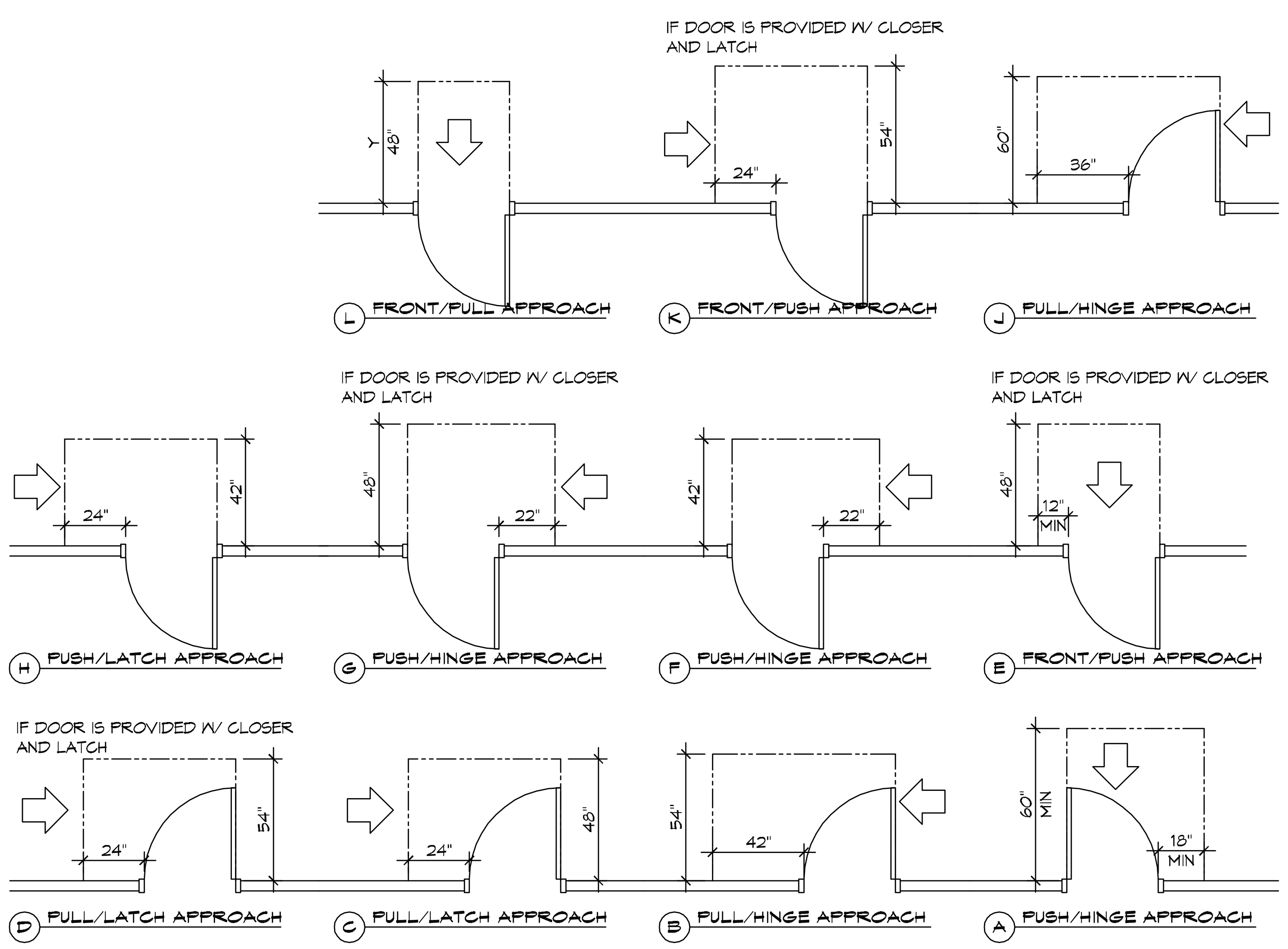
FILE NAME: J:_Commercial\2396 - Boyd Funeral Home\Drawings\Current Drawings\G101 - Cover Sheet.dwg PLOT DATE & TIME: Thursday, October 10, 2019 3:39:43 PM



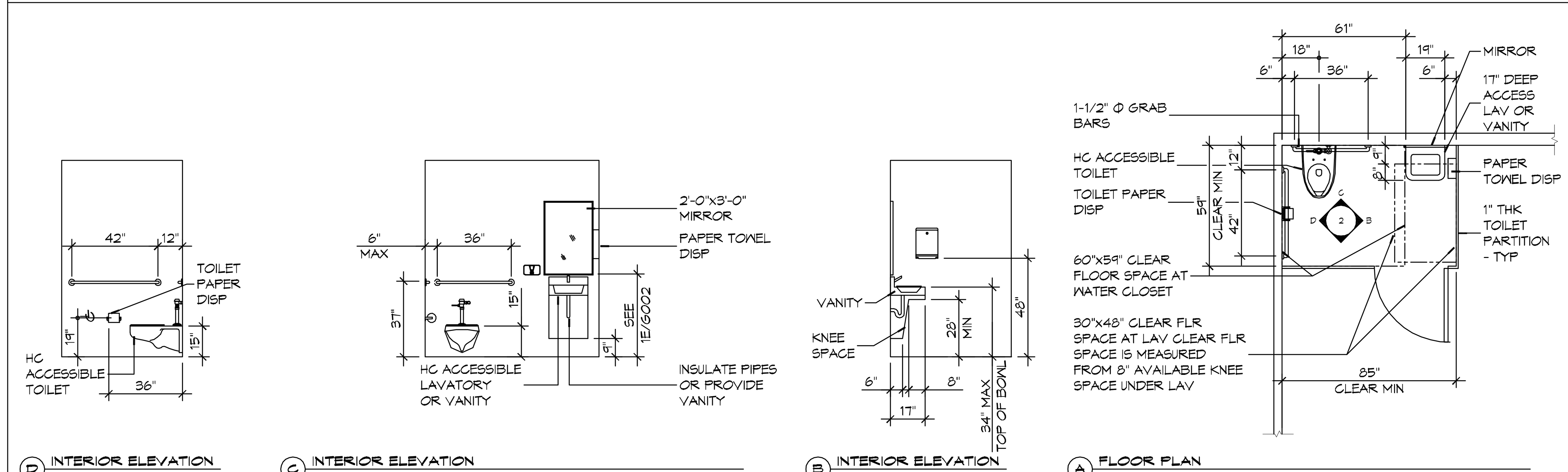
5 ACCESSIBLE SIGN
SCALE: NTS



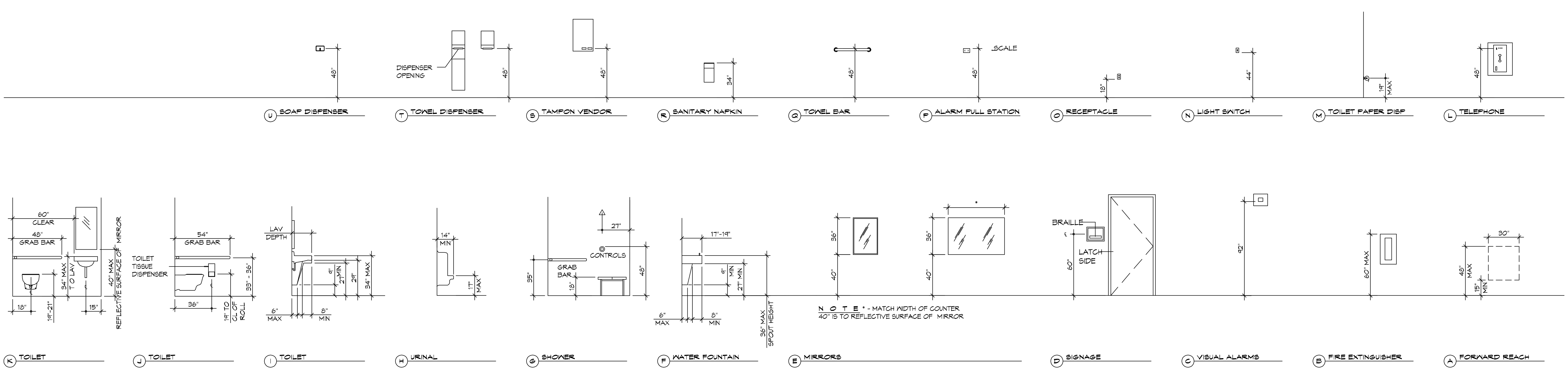
4 ACCESSABLE RAMPS
SCALE: 1/4" = 1'-0"



3 ADA DOOR CLEARANCES
SCALE: 1/4" = 1'-0"



2 RESTROOM CLEARANCES
SCALE: 1/4" = 1'-0"



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

ACCESSIBILITY NOTES

DOOR CLEARANCE NOTES

ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES. 3I/G002 - 3K/G002.

DOOR HARDWARE SHALL BE LEVER TYPE.

MAX DOOR OPENING FORCE:

- INTERIOR HINGED DOORS: 5 LBF
- EXTERIOR HINGED DOORS: 8.5 LBF
- SLIDING OR FOLDING DOORS: 5 LBF
- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" AND NOT LESS THAN 34" ABOVE FINISHED FLOOR.

THE FLOOR OR GROUND AREA WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR.

THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 3/4" IN HEIGHT FOR EXTERIOR SLIDING DOORS OR 1/2" FOR OTHER TYPES OF DOORS. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32" WITH THE DOOR OPEN 90°, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP. OPENINGS MORE THAN 24" IN DEPTH SHALL MAINTAIN 32" MIN CLEARANCE.

RAMP NOTES

THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE MIN 1-1/2" CLEAR.

GRIPPING SURFACES SHALL BE CONTINUOUS AND UNOBSTRUCTED..

ENDS OF HANDRAILS SHALL BE EITHER ROUNDED OR RETURNED SMOOTHLY TO FLOOR, WALL, OR POST.

HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:50.

OUTDOOR RAMPS AND THEIR APPROACHES SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.

RAMPS AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. CURBS SHALL BE A MINIMUM OF 2" HIGH.

HANDRAILS SHALL BE PROVIDED ALONG BOTH SIDES OF RAMP SEGMENTS. THE INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG RAMPS SHALL ALWAYS BE CONTINUOUS.

RAMP LANDINGS SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT.

GENERAL SITE ACCESSIBILITY NOTES

1. ACCESSIBILITY SIGNAGE SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTION 703.7.
2. ACCESSIBLE RAMP AND HANDRAIL DESIGNS WHERE THEY OCCUR.
3. ALL ACCESSIBLE PARKING SPACES AND AISLES THAT SERVE THEM SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTIONS 502.4 AND 502.5.
4. OPENINGS IN GROUND SURFACES SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTION 302.3.
5. VERTICAL CHANGES IN ELEVATION ALONG ALL ACCESSIBLE ROUTES SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTIONS 303.2, 303.3, AND 303.4.
6. PARKING SPACES DESIGNATED AS ACCESSIBLE SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ADAAG 2010 GUIDELINES SECTIONS 703.7.2.1 AND 502.6.
7. ALL ACCESSIBLE PARKING SPACES AND ROUTES SERVING THEM SHALL HAVE A ROUGH, SLIP-RESISTANT SURFACE OR LIGHT BROOM FINISH IN COMPLIANCE WITH ADAAG 2010 GUIDELINES SECTION 302.1.

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#	DESCRIPTION	DATE

SEAL:

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	CKD	CHECKED BY:	CKD

SHEET TITLE:
ACCESSIBILITY INFORMATION

DRAWING NUMBER:

G102

LOCATION

SQUARE H
DOWNMAN ROAD SUBDIVISION
THIRD DISTRICT, NEW ORLEANS
ORLEANS PARISH, LOUISIANA

PLANNING

ZONED - COMMERCIAL

FLOOD ZONE

ZONE "X

BUILDING ELEVATION

BASE FLOOD ELEVATION = N/A
FINISHED FLOOR ELEVATION = - 3.5'

6 SITE PLAN
SCALE: 1" = 10'-0"

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NEW FUNERAL HOME

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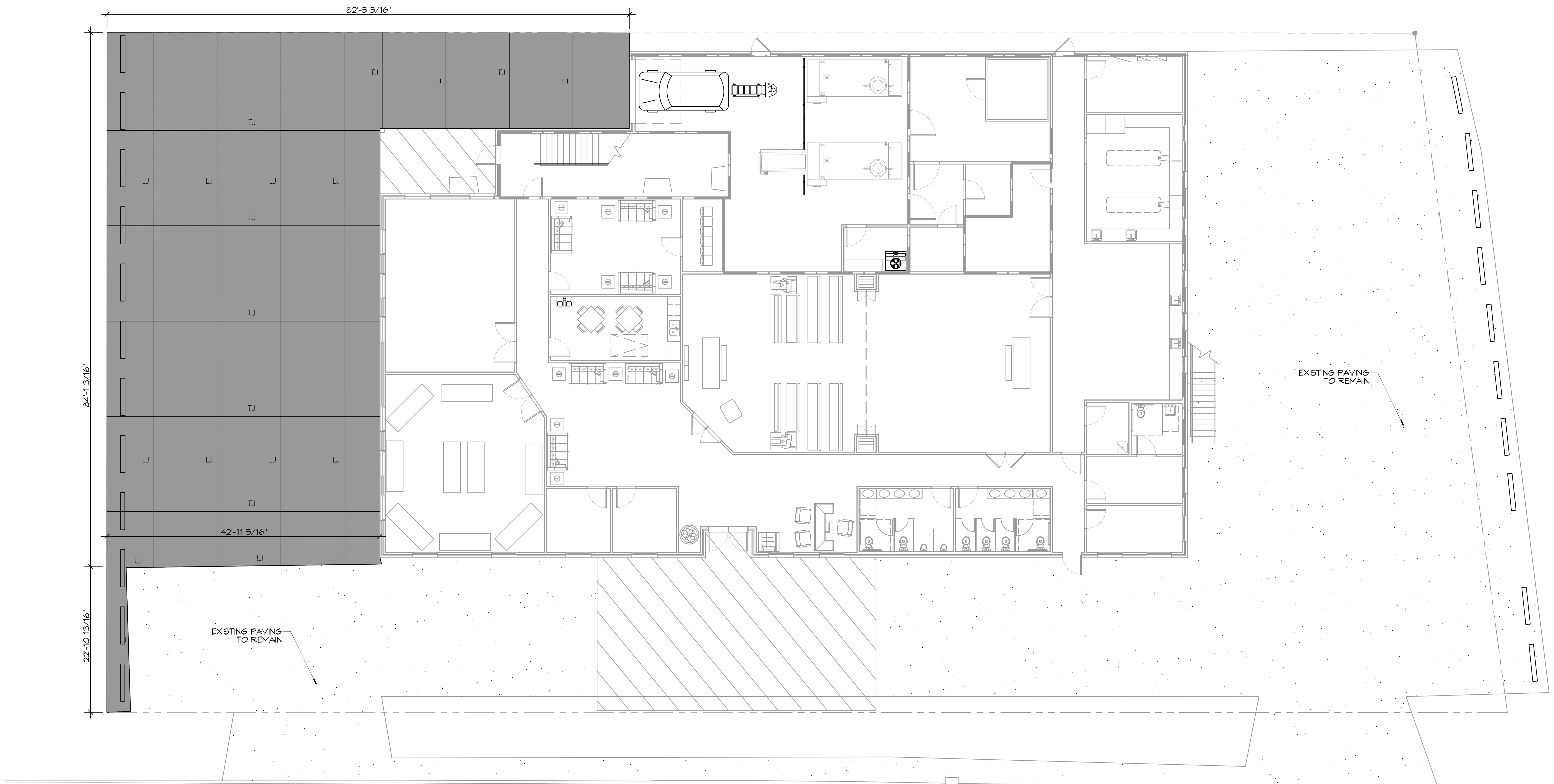
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	CKD	CHECKED BY:	CKD

SHEET TITLE:
SITE PLAN

DRAWING NUMBER:
C101



7 PAVING PLAN
SCALE: 1" = 10'-0"

GENERAL PAVING NOTES

1. ALL NEW CONCRETE SHALL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND A MINIMUM THICKNESS OF 6". CONCRETE MIX SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF ASTM C-150 TYPE 1.
2. CONCRETE PAVING THICKNESS SHALL VARY AS FOLLOWS:
   a. APRONS & LOADING AREAS = 8" THICKNESS (INDICATED WITH CROSS HATCH WHERE OCCURS)
   b. DRIVE LANES & PARKING AREAS = 6" THICKNESS (STANDARD UNO)
3. ALL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
4. ALL REINFORCING STEEL SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT. ALL CONTROL AND EXPANSION JOINTS SHALL BE LOCATED AND INSTALLED AS SHOWN ON THE PAVING PLAN AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. ALL SUB GRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
6. ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.

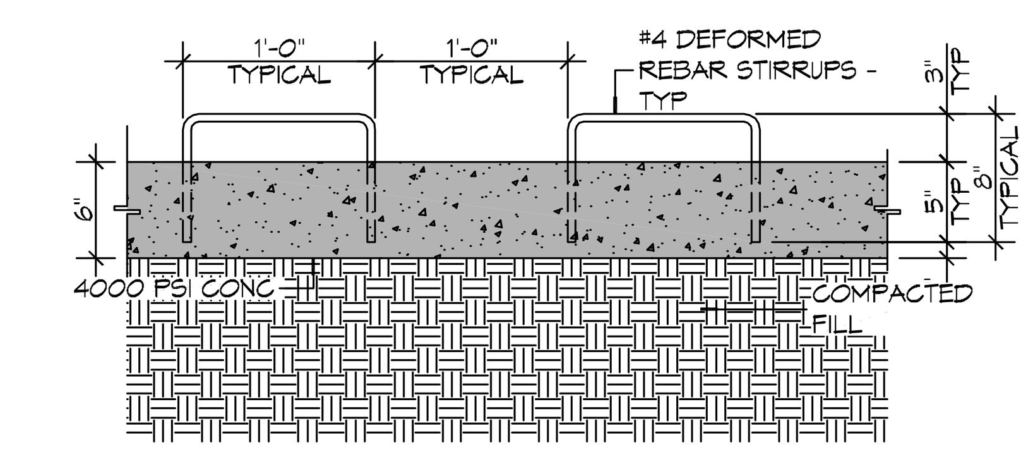
PAVING LEGEND

LJ — LONGITUDINAL JOINTS (LJ) = NO. 5 DEFORMED DOWEL RODS 24" LONG @ 24" O. C.

TJ — TRANSVERSE JOINTS (TJ) = NO. 5 SMOOTH DOWEL RODS 24" LONG @ 24" O. C.

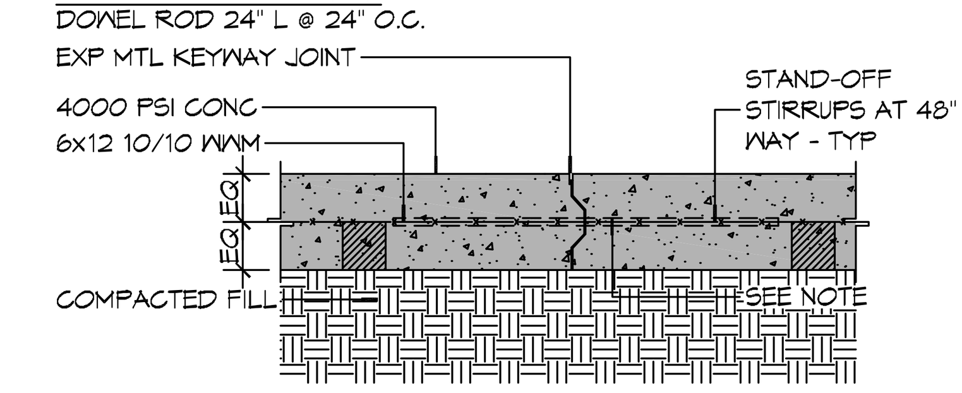
PARKING WHEEL STOP

+000.00 EXISTING TOPO

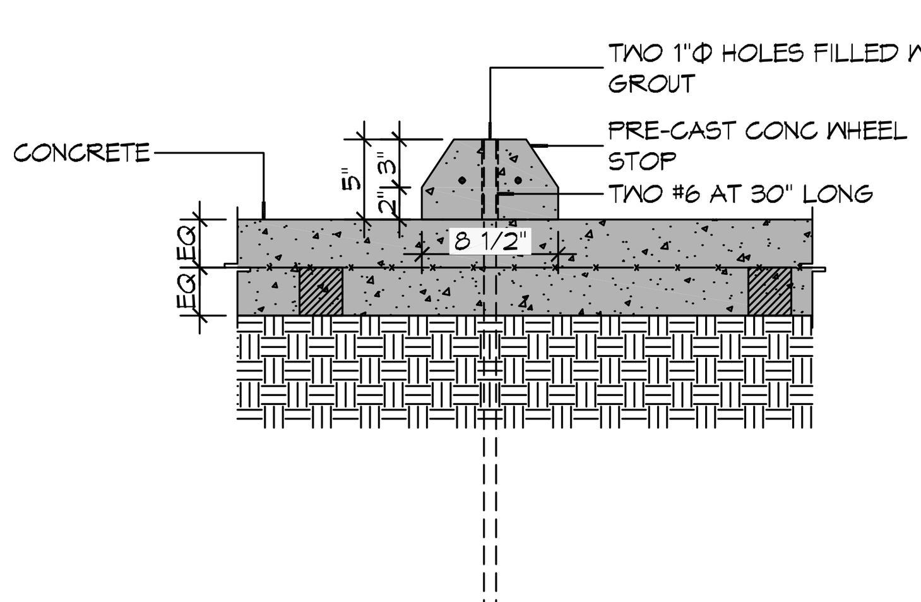


TYPICAL PAVEMENT JOINT

6" MTL KEYWAY JOINT SYSTEM NOTE:
LONGITUDINAL JOINTS (LJ): No.5 DEFORMED DOWEL ROD 24" L @ 24" O.C.
TRANSVERSE JOINTS (TJ): No.5 SMOOTH DOWEL ROD 24" L @ 24" O.C.



TYPICAL WHEEL STOP



DRIVEWAY ROLLOVER CURB

5 PAVING DETAILS
SCALE: 1" = 1'-0"

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#	DESCRIPTION	DATE

REVISIONS

SEAL:

NEW FUNERAL HOME

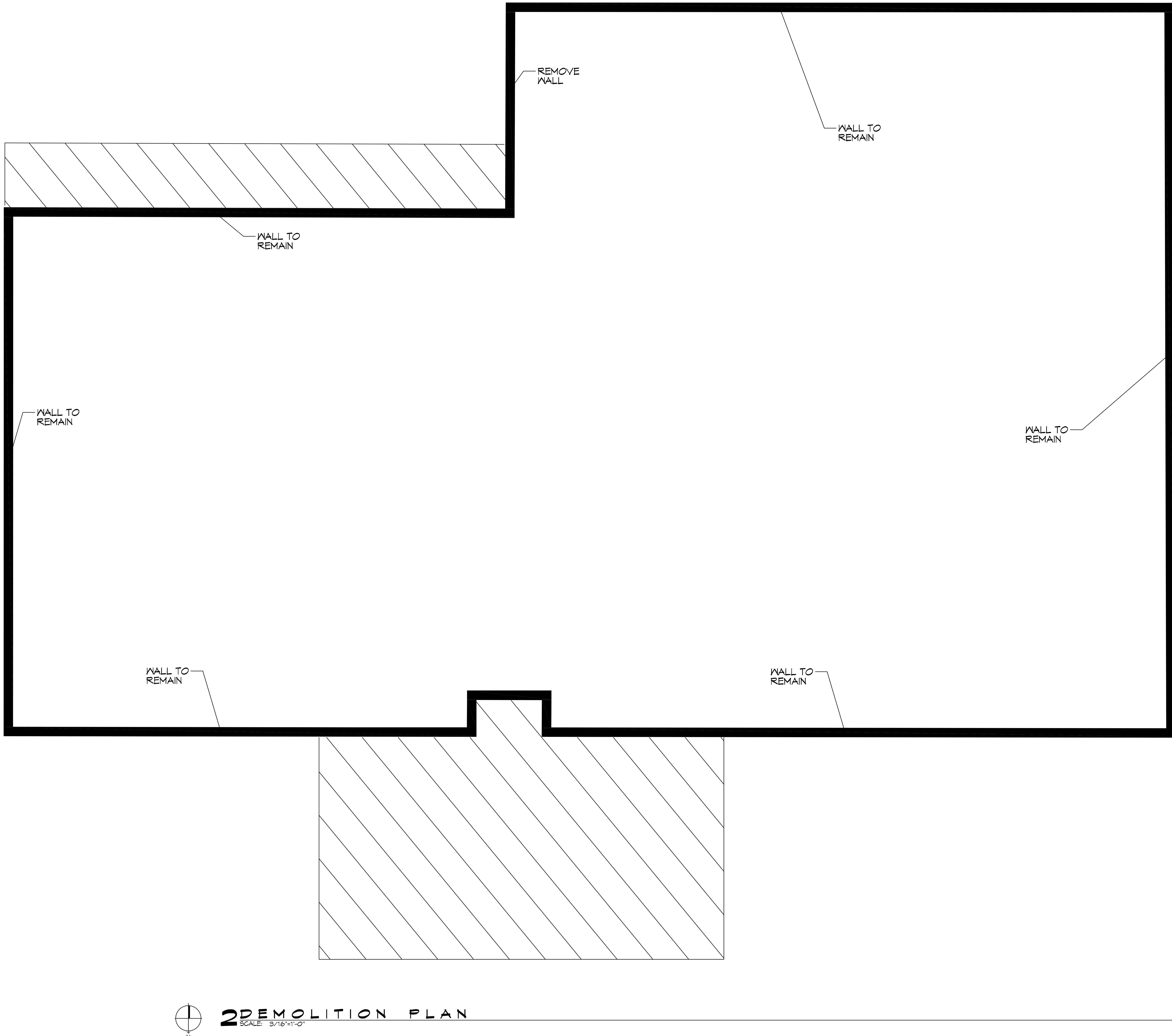
BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2396	DATE: 10-10-2019
DRAWN BY: CKD	CHECKED BY: CKD

SHEET TITLE:
PAVING PLAN

DRAWING NUMBER:
C102



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

DEMOLITION NOTES

1. EXISTING FIRE DAMAGED BUILDING HAS ALL SHEET ROCK REMOVED ALONG WITH ALL THE ELECTRICAL REMOVED.
2. REMOVE EXTERIOR WALLS AS NOTED ON PLANS.
3. REMOVE FIRE DAMAGED ROOF.
4. REMOVE FIRE DAMAGED INTERIOR WALLS.
5. EXISTING SITE PARKING PAVING AND FENCING TO REMAIN.

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

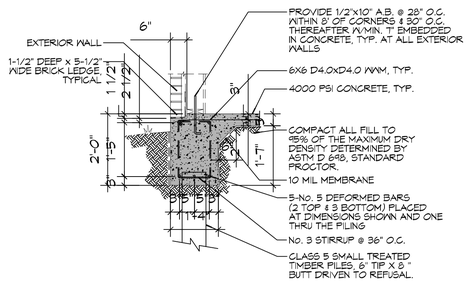
STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMW	CHECKED BY:	CKD

SHEET TITLE:
DEMO PLAN

DRAWING NUMBER:
S100



FILE NAME: J:\- Commercial\2396 - Boyd Funeral Home\Drawings\Current Drawings\S101 - Foundation Plan.dwg PLOT DATE & TIME: Thursday, October 10, 2019 3:48:35 PM

A S101|S101 FOUNDATION DETAIL

SCALE: 1/2" = 1' - 0"

EXTERIOR GRADE BEAM

B S101|S101 FOUNDATION DETAIL

SCALE: 1/2" = 1' - 0"

EXTERIOR GRADE BEAM AT GARAGE DOOR

C S101|S101 FOUNDATION DETAIL

SCALE: 1/2" = 1' - 0"

TYP SPLICE DETAIL

9 FOUNDATION PLAN

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

GENERAL FOUNDATION NOTES

1. THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
2. ALL CONVENTIONAL REINFORCING SHALL MEET ASTM-A615 (GRADE 60).
3. ONE LAYER OF POLYETHELENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE 15 MIL. STRENGTH; ASTM E1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP ECO-SHEILD-E 15 MIL. BY EPRO OR IRON BAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
4. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
5. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, CMU LEDGES, DIMENSIONS, AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
6. GRADE BEAM SIZES MAY VARY BY -5% TO +20%.
7. ALL SUBGRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
8. A MINIMUM OF 4" CONCRETE THICKNESS SHALL BE MAINTAINED THROUGHOUT THE SLAB.
9. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
10. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
11. PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE TO BE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR TO OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATION BE LEFT OPEN FOR MORE THAN ONE DAY, IT SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.
12. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL, AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MAXIMUM NET ALLOWABLE BEARING PRESSURES OF 1,200 PSF AND 2,000 PSF RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
13. BASED ON THE RESULTS OF THE FIELD AND LABORATORY TESTS, AND THE ANTICIPATED FOUNDATION LOADS, DIFFERENTIAL SETTLEMENT IS ESTIMATED TO BE LESS THAN 1 INCH.
14. TREAT SOIL BELOW SLAB FOR TERMITES.

PILING NOTES

1. ALL PILES SHALL BE PRESSURE-TREATED ROUND TIMBER PILES CONFORMING TO ASTM D25.
2. PILES SHALL BE CLASS 5 TIMBER PILES WITH A LENGTH OF 30 FEET, HAVE A 6" TIP AND 8" MINIMUM BUTT DIAMETER.
3. PILE CAPACITY SHALL BE MINIMUM OF 5 TONS EACH PILE, DRIVEN TO 30 FT. BELOW NATURAL GRADE OR REFUSAL. PRE DRILLING MAY BE REQUIRED. IF PRE-DRILLING IS PERFORMED, PRE-DRILL TO A MAXIMUM DEPTH OF 15 FT. USING A WET ROTARY DRILL WITH A BIT NO LARGER THAN 6 INCHES.
4. NO FIELD SUPERVISION OR INSPECTION PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED.
5. PILE LAYOUT MAY BE MODIFIED DUE TO ACTUAL DRIVING CONDITIONS. ENGINEER TO BE NOTIFIED ON ANY MODIFICATION.
6. A PILE BLOW COUNT LOG OF ALL PILES IS TO BE SUBMITTED TO THE ENGINEER OF RECORD. FAILURE TO SUBMIT SAID LOG WILL RELEASE THE ENGINEER OF ALL RESPONSIBILITY.
7. USE DROP HAMMER OR SINGLE ACTING AIR HAMMER DELIVERING 7,500 FT-LBS OF ENERGY PER BLOW, RAM WEIGHT OF DROP HAMMER SHALL NOT EXCEED 2,500 TO 3,000 LBS AND THE DROP SHOULD NOT EXCEED 3 FT., AT MINIMUM OF 25 BLOWS PER FOOT. IF THE DROP EXCEEDS 3 FT., CONTACT ENGINEER FOR INSTRUCTIONS.

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

BRIAN A. MISTICH
License No. 30187

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2396
DATE: 10-10-2019
DRAWN BY: JAGMW
CHECKED BY: CKD

SHEET TITLE:
FOUNDATION PLAN

DRAWING NUMBER:
S101

SHEET No: 6 of # 23

TABLE S107.7 - UPLIFT CONNECTIONS - 143 MPH WINDS EXP "C"

WFCM 2015 TABLE 3.2

CONNECTION	FRAMING SPACING (INCHES)	ROOF SPAN (FEET)	UPLIFT	LATERAL	SHEAR	NUMBER OF 8d COMMON NAILS OR 10d BOX NAILS IN EACH END OF 1-1/4"x20 GAGE STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" OC	16	407	292	152R	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	219	436	4

TABLE S107.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 143 MPH WIND EXP "C"

WFCM 2015 TABLE 3.2C

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		8' END ZONES	INTERIOR ZONES
UPLIFT LOADS	1 - 3 STORIES	25 INCHES ON CENTER	30 INCHES ON CENTER
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE			

TABLE S107.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 143 MPH WIND EXP "C"

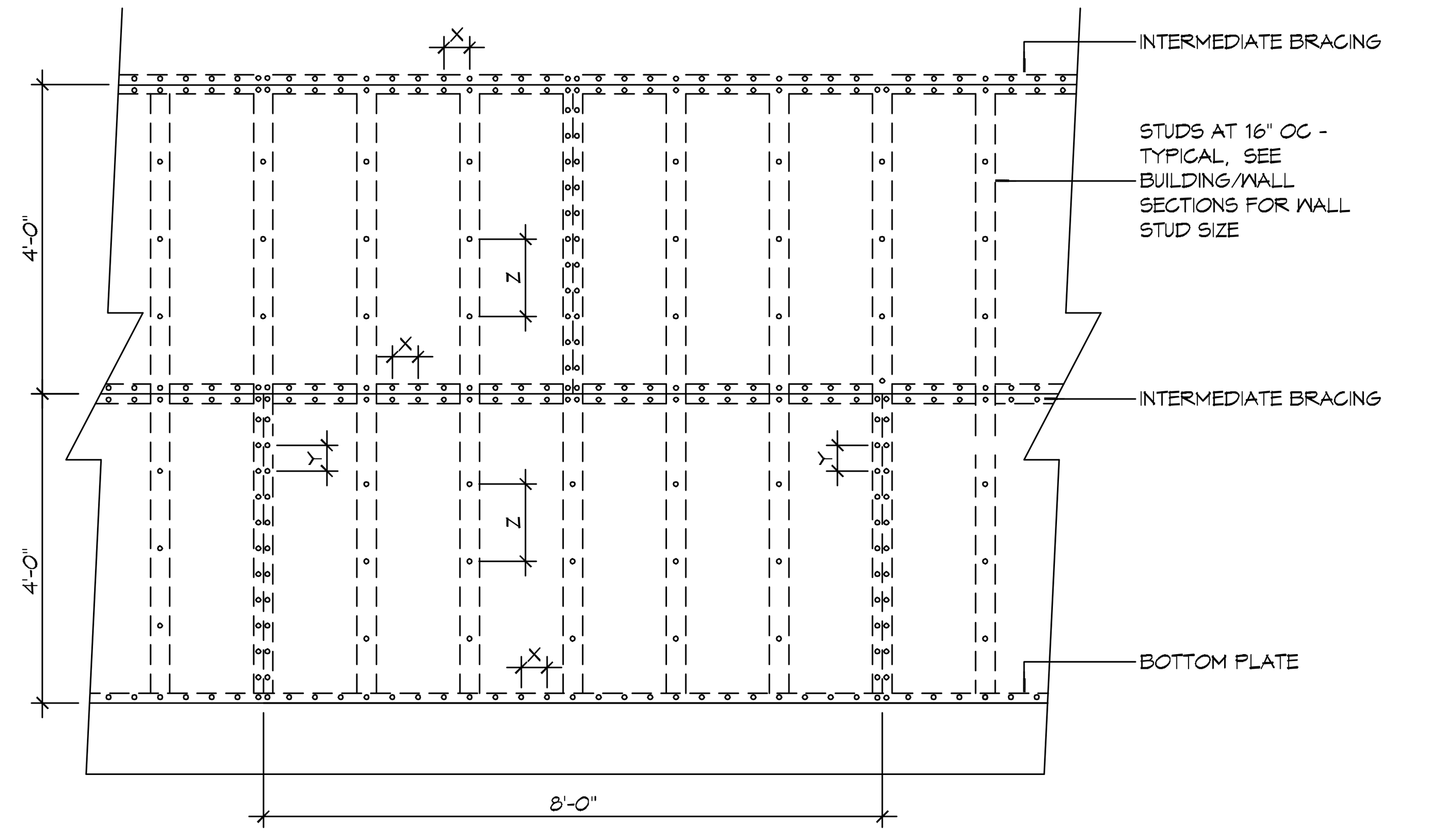
WFCM 2015 TABLE 3.2B

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
			5/8" Φ ANCHOR BOLTS
UPLIFT LOADS	4 STORY		48 INCHES ON CENTER W/3X3X1/4" WASHER

TABLE S107.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"

WFCM 2015 TABLE 3.23C

	WALL SPACING (INCHES)		
	12" O.C.	16" O.C.	24" O.C.
HEADER SPAN (FEET)	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER		
2	1	1	1
4	2	2	1
6	3	3	2
8	4	3	2



NAIL SPACING
X = 4" OC
Y = 4" OC
Z = 12" OC

X = PLATE EDGE NAIL SPACING
Y = LONG EDGE NAIL SPACING
Z = FIELD NAIL SPACING

INTERIOR SHEATHING
1/2"PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @4"O.C. FASTENING @ PANEL EDGES 8d NAILS @12" O.C. FASTENING @ INTERMEDIATE MEMBERS.

EXTERIOR SHEATHING
5/8" DENSGLASS SHEATHING EXTERIOR FACE STAGGERED 48"O.C. FASTENING @PANEL EDGES. #10X1" TEK SCREWS @ 12"O.C. FASTENING @ INTERMEDIATE MEMBERS

(H) SHEAR WALL EXTERIOR SHEATHING NAILING PATTERN

TABLE S107.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET				24 FEET				36 FEET			
		HEADER WIDTH											
		3"	4.5"	5"	6.5"	3"	4.5"	5"	6.5"	3"	4.5"	5"	6"
		NUMBER OF JACK STUDS REQUIRED AT EACH END OF THE HEADER											
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2
	16	2	2	1	1	3	2	2	2	4	3	3	2
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	2	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	2	2
	8	2	2	1	1	3	2	2	2	5	3	3	3
	10	2	2	2	1	4	3	3	2	6	4	4	3
	12	3	2	2	2	5	3	3	3	7	5	4	4
	14	3	2	2	2	6	4	4	3	8	5	5	4
	16	4	3	2	2	6	4	4	3	9	6	6	5

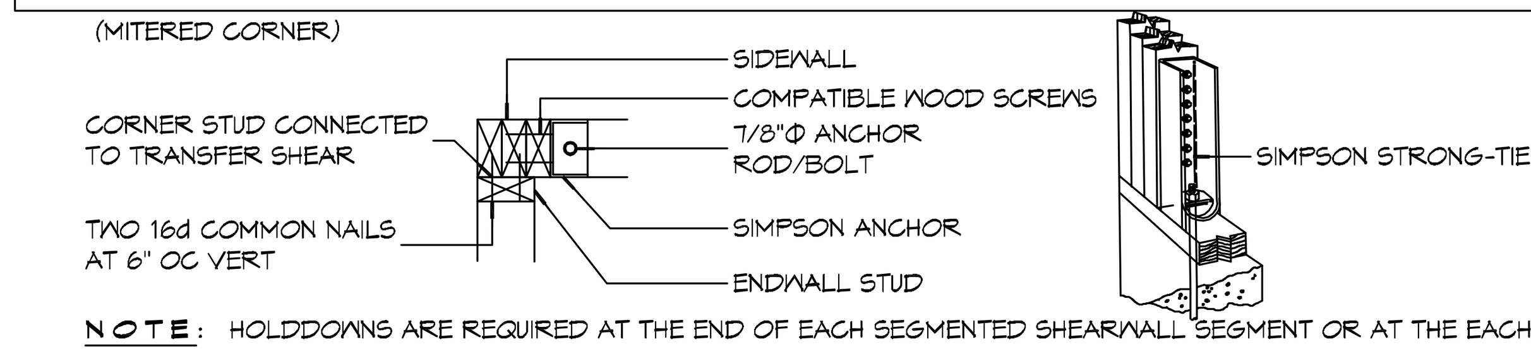
HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN

TABLE S107.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS

WFCM 2015 TABLE 3.22F

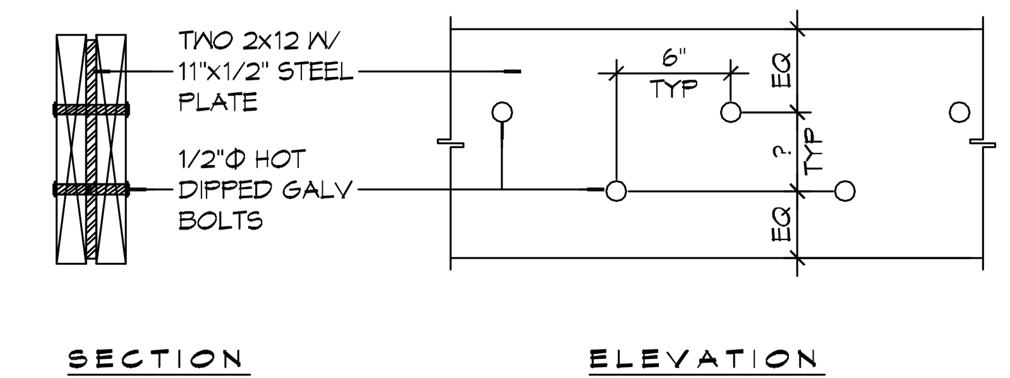
		ROOF LIVE LOAD 20 PSF				ROOF LIVE LOAD 30 PSF			
		3"	4.5"	5"	6.5"	3"	4.5"	5"	6.5"
		NUMBER OF JACK STUDS REQUIRED							
ROOF AND CEILING	2	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1
	8	2	2	2	1	2	2	2	1
	10	3	2	2	2	3	2	2	2
	12	3	2	2	2	3	2	2	2
	14	4	3	2	2	4	3	2	2
	16	4	3	3	2	4	3	3	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1
	6	2	2	2	1	3	2	2	2
	8	3	2	2	2	3	2	2	2
	10	4	3	2	2	4	3	3	2
	12	4	3	3	2	5	3	3	3
	14	5	4	3	3	5	4	3	3
	16	6	4	4	3	6	4	4	3

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN



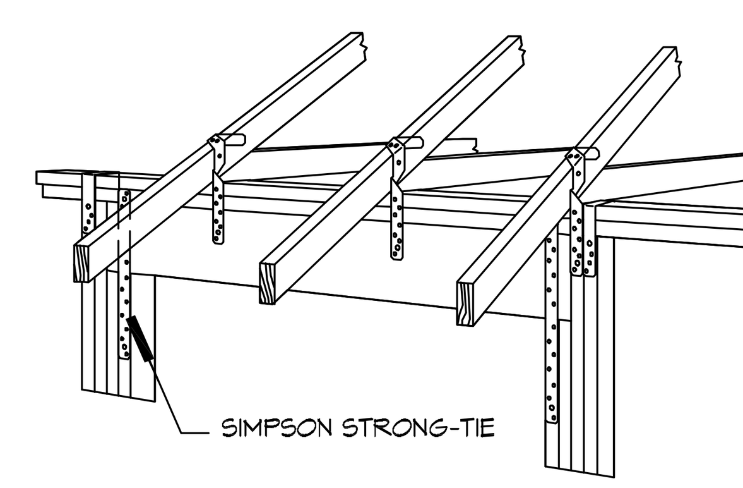
NOTE: HOLDDOWNS ARE REQUIRED AT THE END OF EACH SEGMENTED SHEARWALL SEGMENT OR AT THE EACH END OF A PERFORATED SHEARWALL. WHEN FULL HEIGHT SHEARWALL SEGMENTS MEET AT A CORNER, A SINGLE HOLDDOWN SHALL BE PERMITTED TO BE USED TO RESIST THE OVERTURNING FORCES IN BOTH DIRECTIONS WHEN THE CORNER FRAMING IN THE ADJOINING WALLS IS FASTENED TOGETHER TO TRANSFER THE UPLIFT LOAD.

(Q) CORNER HOLDDOWN

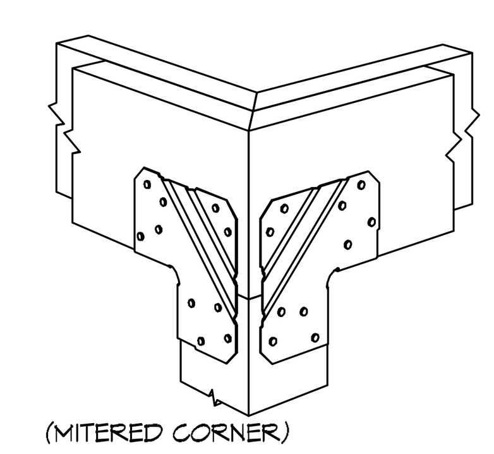


(P) FLITCH BEAM

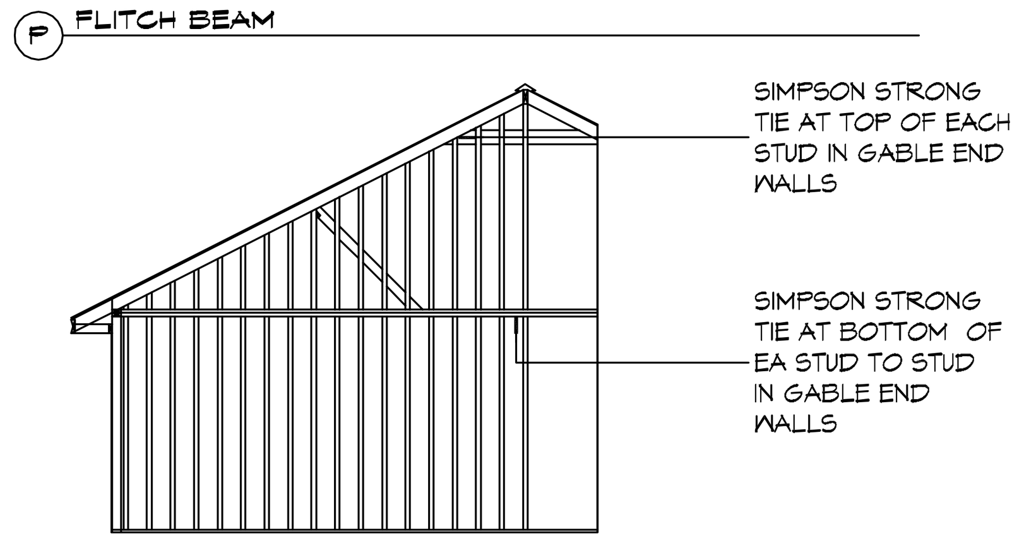
(K) SIMPSON MSTAM36



(N) DWG NAME

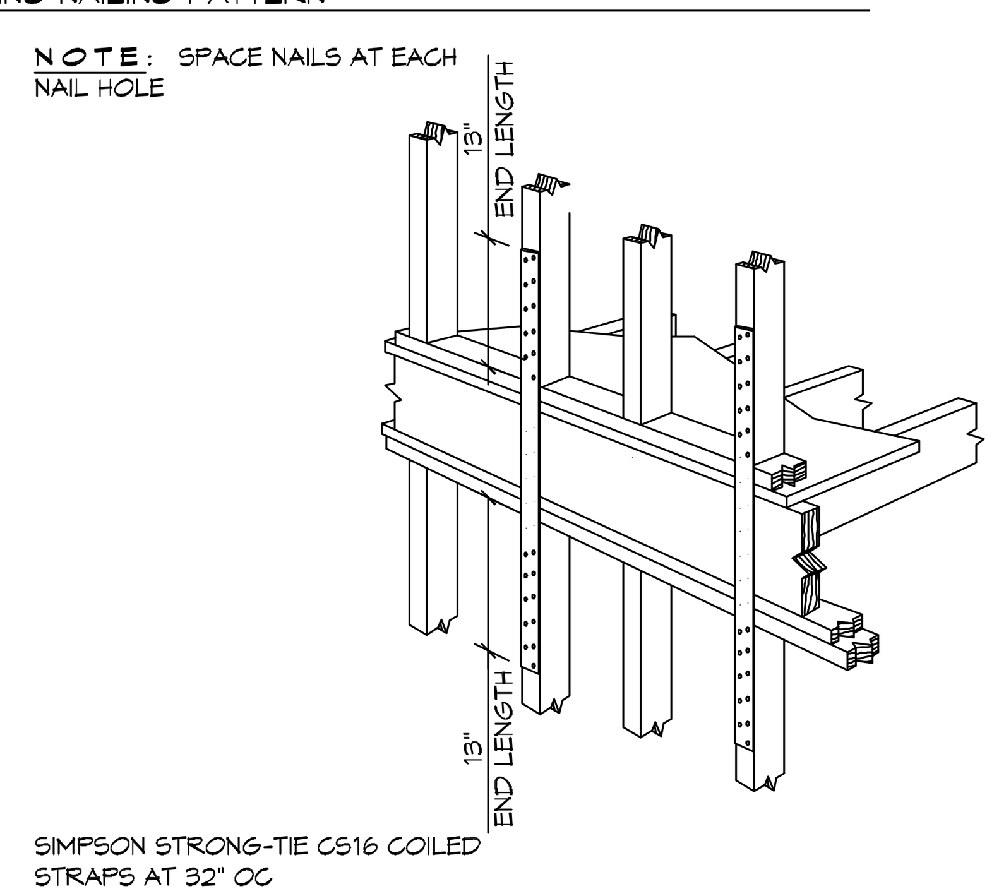


(M) POST TO BEAM

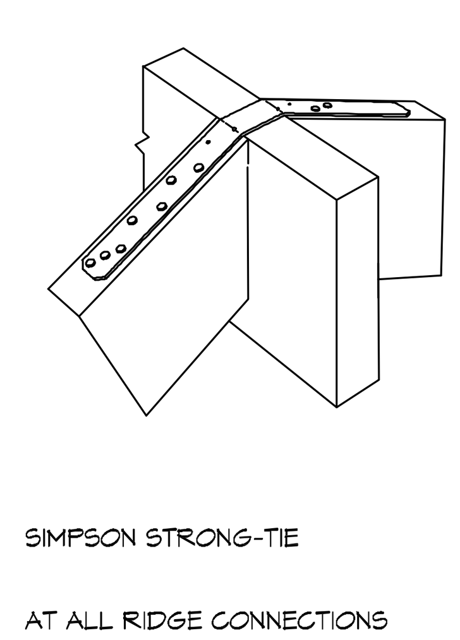


(L) END WALL CONNECTIONS

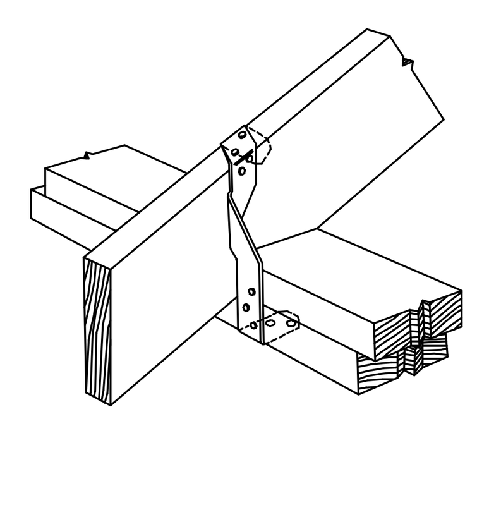
(J) NOT USED



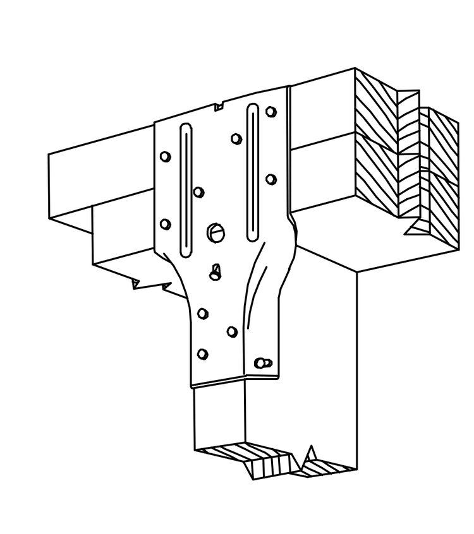
(H) FLOOR TO FLOOR



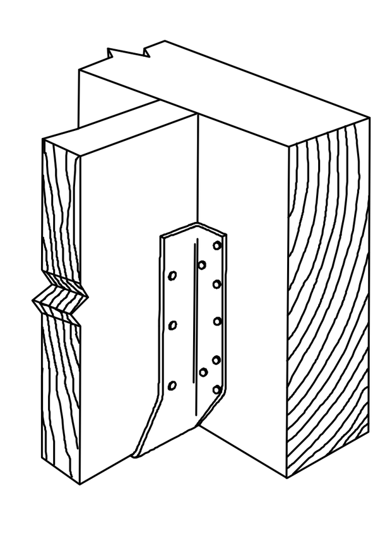
(G) RIDGE BEAM/BOARD



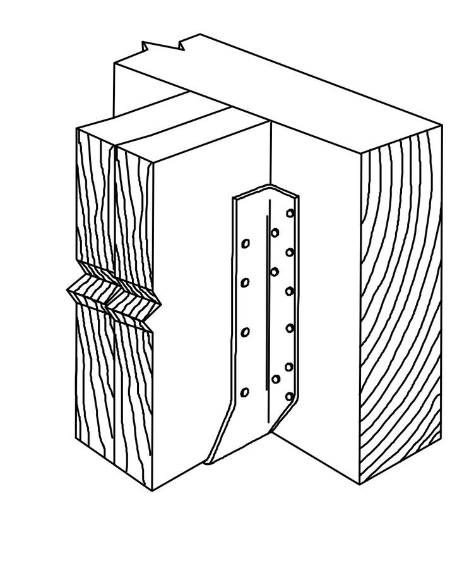
(F) TOP PLATE TO RAFTER



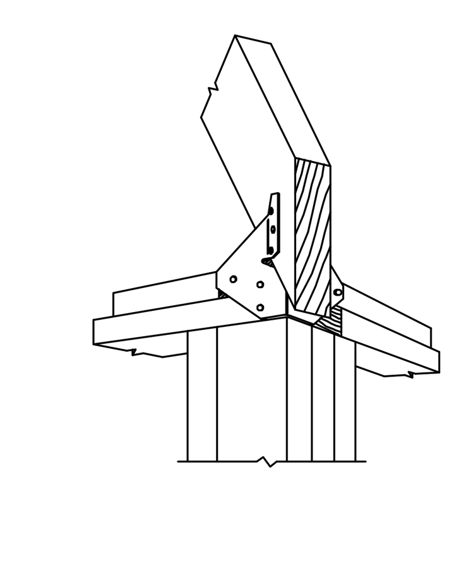
(E) STUD TO TOP PLATE



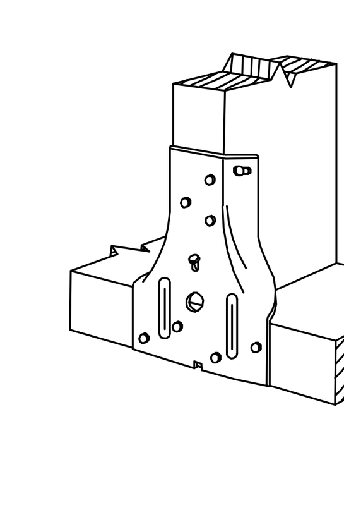
(D) FLOOR JOIST



(C) DBL FLOOR JOIST



(B) HIP RAFTER



(A) STUD TO SILL PLATE

TYPICAL CONNECTION DETAILS

S102 | S102 SCALE: NTS

TABLE S107.3 - NAILING SCHEDULE WFCM 2015 TABLE 3.1

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
HEADER TO HEADER (FACE NAILED)	16d	16d	16" OC EDGES

TABLE S107.4 - BUILDING ENVELOPE REQUIREMENTS

OPAQUE ELEMENTS		ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
ROOFS	INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 c.i.
	METAL BUILDING	U-0.065	R-19
	ATTIC AND OTHER	U-0.027	R-38
WALLS, ABOVE GRADE	MASS	U-0.151	R-5.7 c.i.
	METAL BUILDING	U-0.113	R-13.0
	STEEL-FRAMED	U-0.124	R-13.0
	WOOD-FRAMED AND OTHER	U-0.089	R-13.0
FLOORS	MASS	U-0.107	R6-3 c.i.
	STEEL JOIST	U-0.052	R-19.0
	WOOD FRAMED AND OTHER	U-0.051	R-19.0
SLAB-ON-GRADE	UN-HEATED	F-0.730	NR
OPAQUE DOORS	SWINGING	U-0.700	NR
	NON-SWINGING	U-1.450	NR

ROOF UNDERLAYMENT NOTES

1. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
   a. APPLY A 19 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
2. FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
   a. UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

ROOF APPLICATION & FASTENING NOTES

1. INSTALL ROOF PER MANUFACTURES RECOMMENDATIONS FOR 130MPH WIND SPEED.

GENERAL UPLIFT CONNECTION NOTES

ROOF ASSEMBLY TO WALL ASSEMBLY:
UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS.

WALL ASSEMBLY TO WALL ASSEMBLY:
STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS.

WALL ASSEMBLY TO FOUNDATION:
FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL, PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" x 20 GA. ASTM A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE, 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM G185 OR Z450 GALV. STL.

TABLE S107.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E	F
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	6
PERIMETER EDGE ZONE	12" OC	6	6
	16" OC	4	4
	24" OC	3	3

130 MPH WIND - EXPOSURE "C" TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

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Chief Engineer: Brian Mistich, PE
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PH: 985.649.5832

REVISIONS

#	DESCRIPTION	DATE

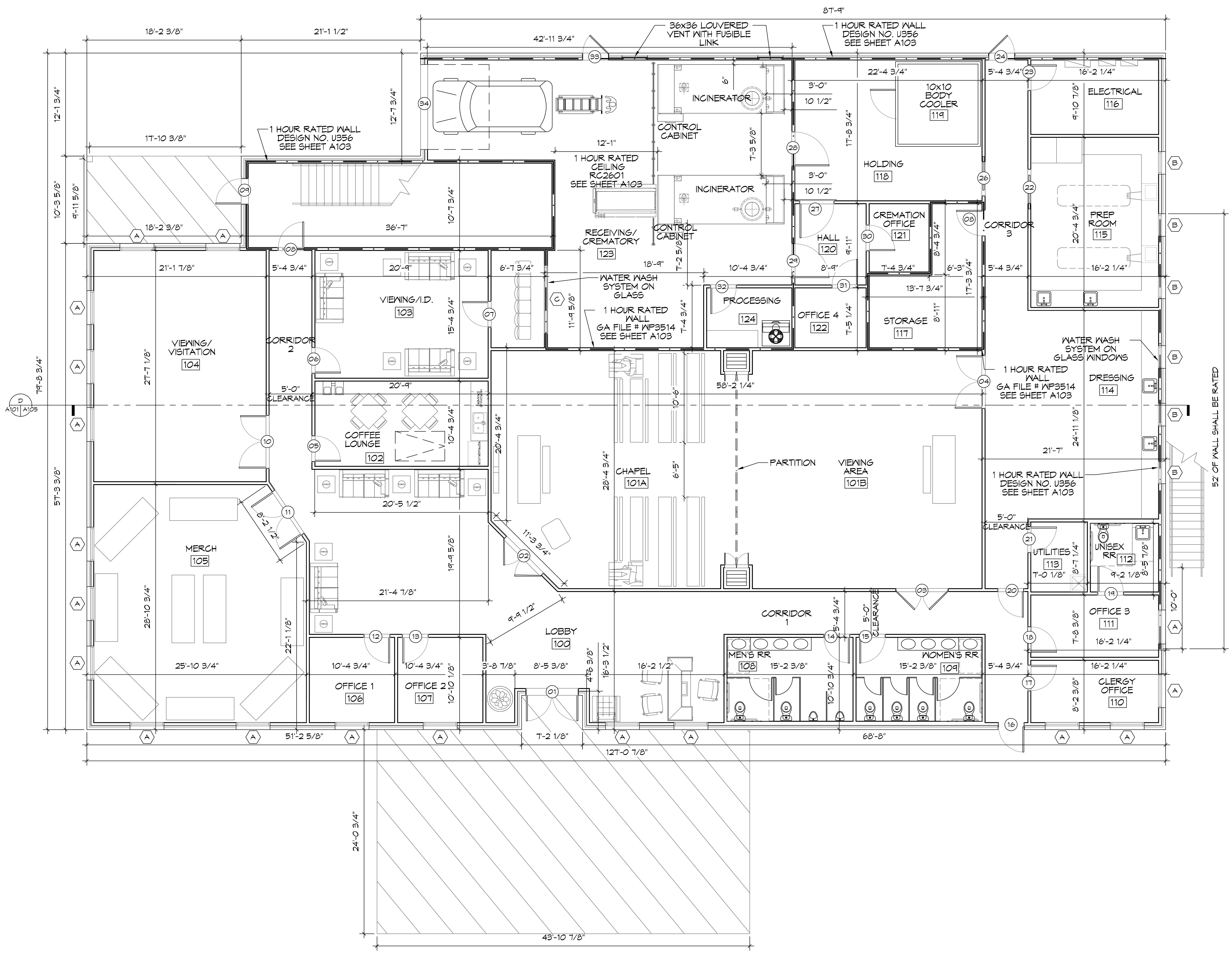
STATE OF LOUISIANA BRIAN A. MISTICH License No. 30187 PROFESSIONAL ENGINEER

NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	DD/KJK	CHECKED BY:	BAM

SHEET TITLE:
TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

DRAWING NUMBER:
S102



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

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mistich, PE
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Slidell, LA 70458

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

NEW FUNERAL HOME

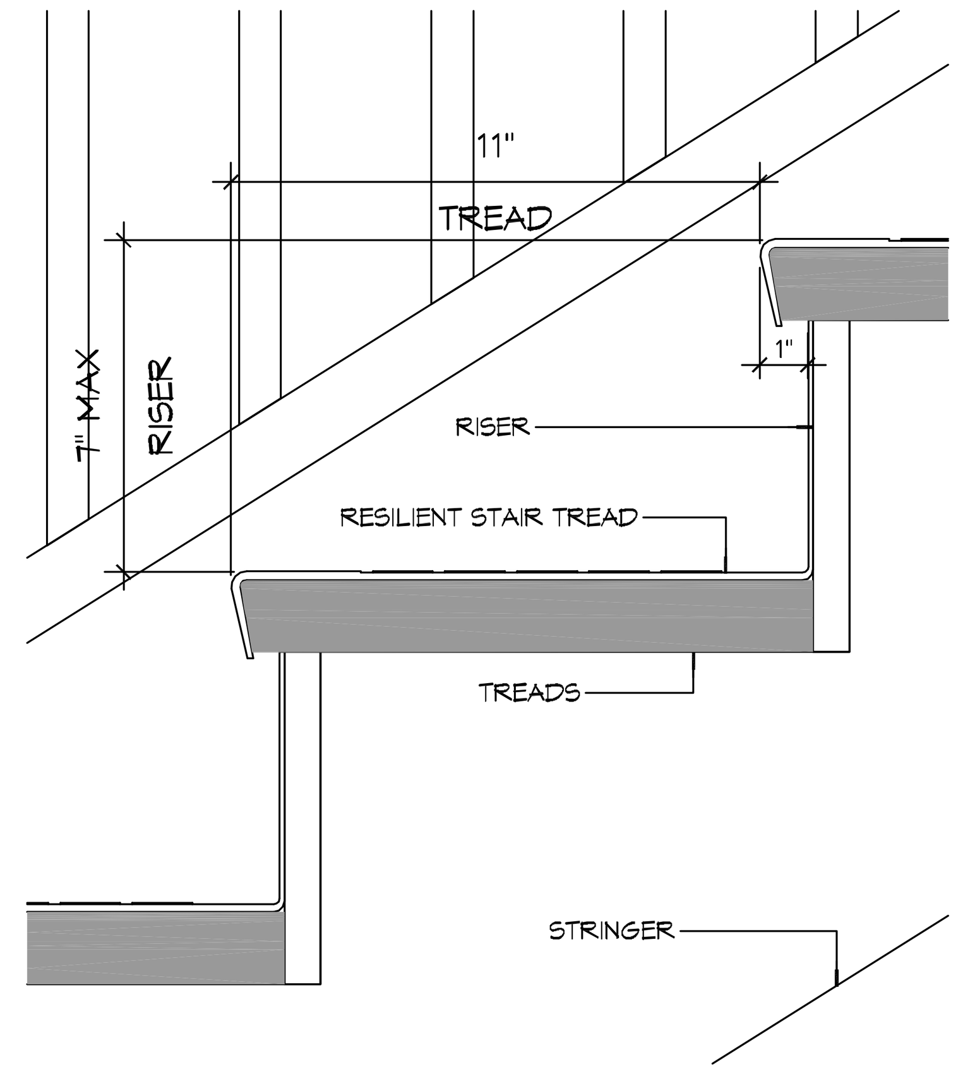
BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

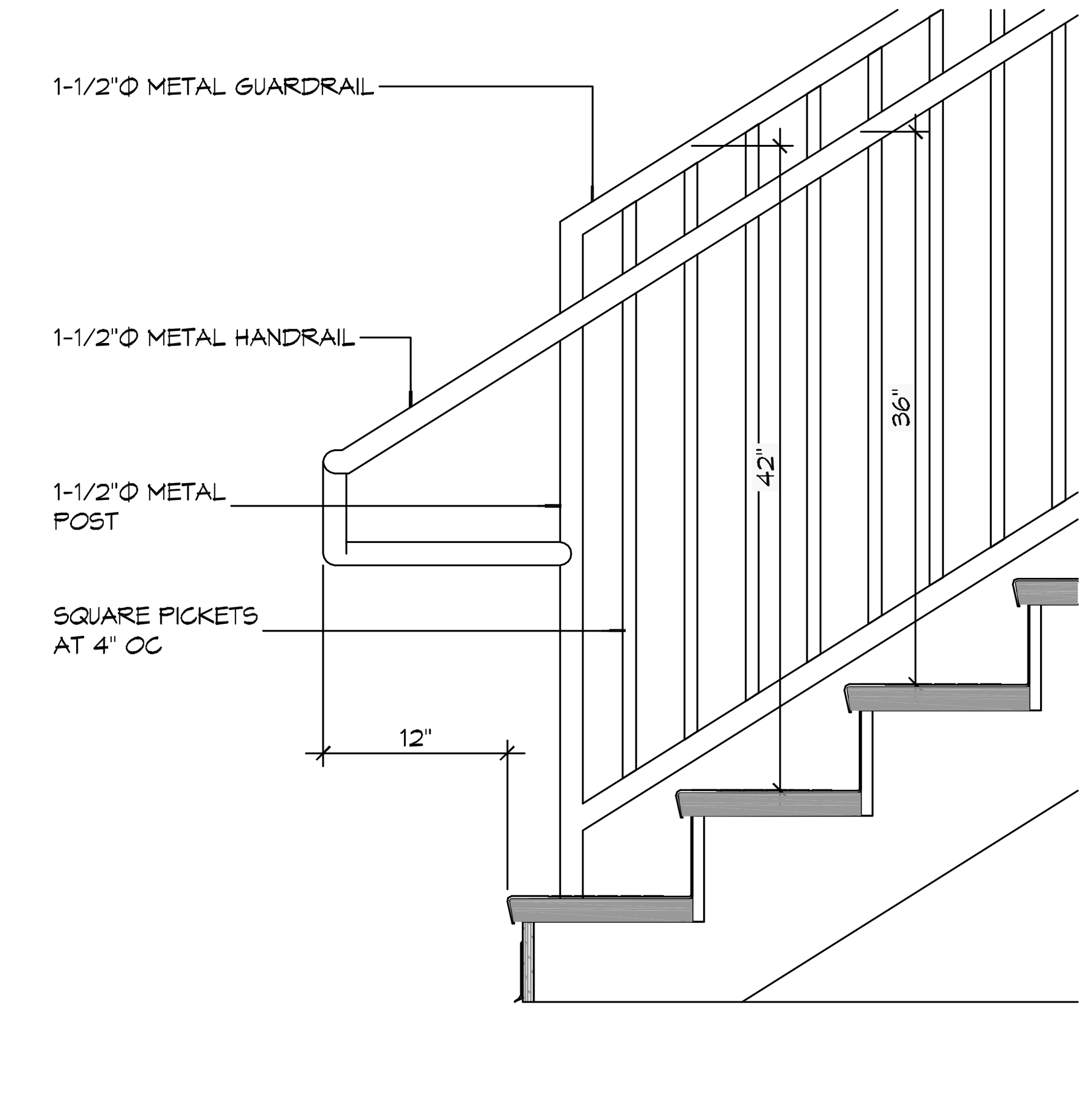
JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMW	CHECKED BY:	CKD

SHEET TITLE:
FIRST FLOOR PLAN

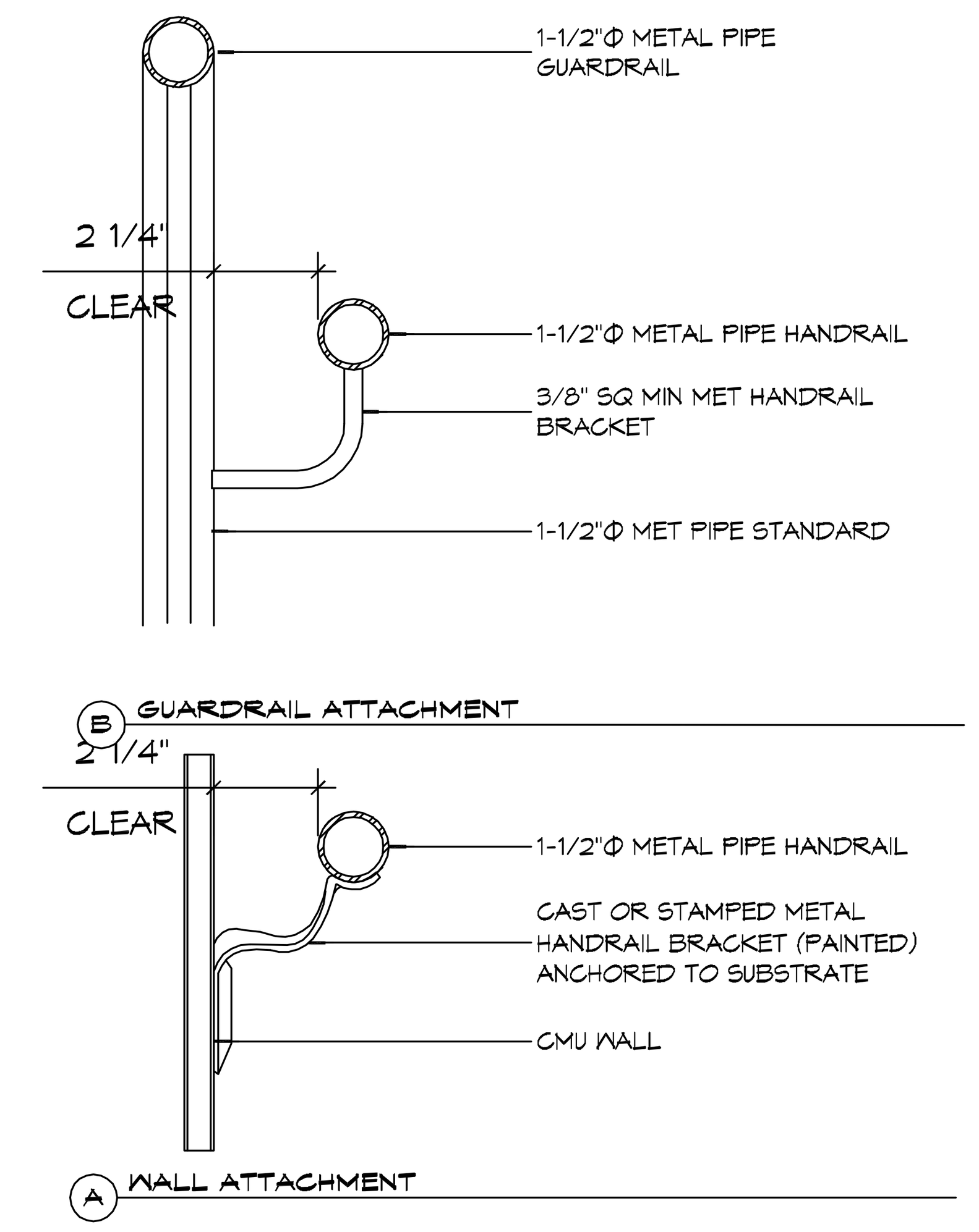
DRAWING NUMBER:
A101



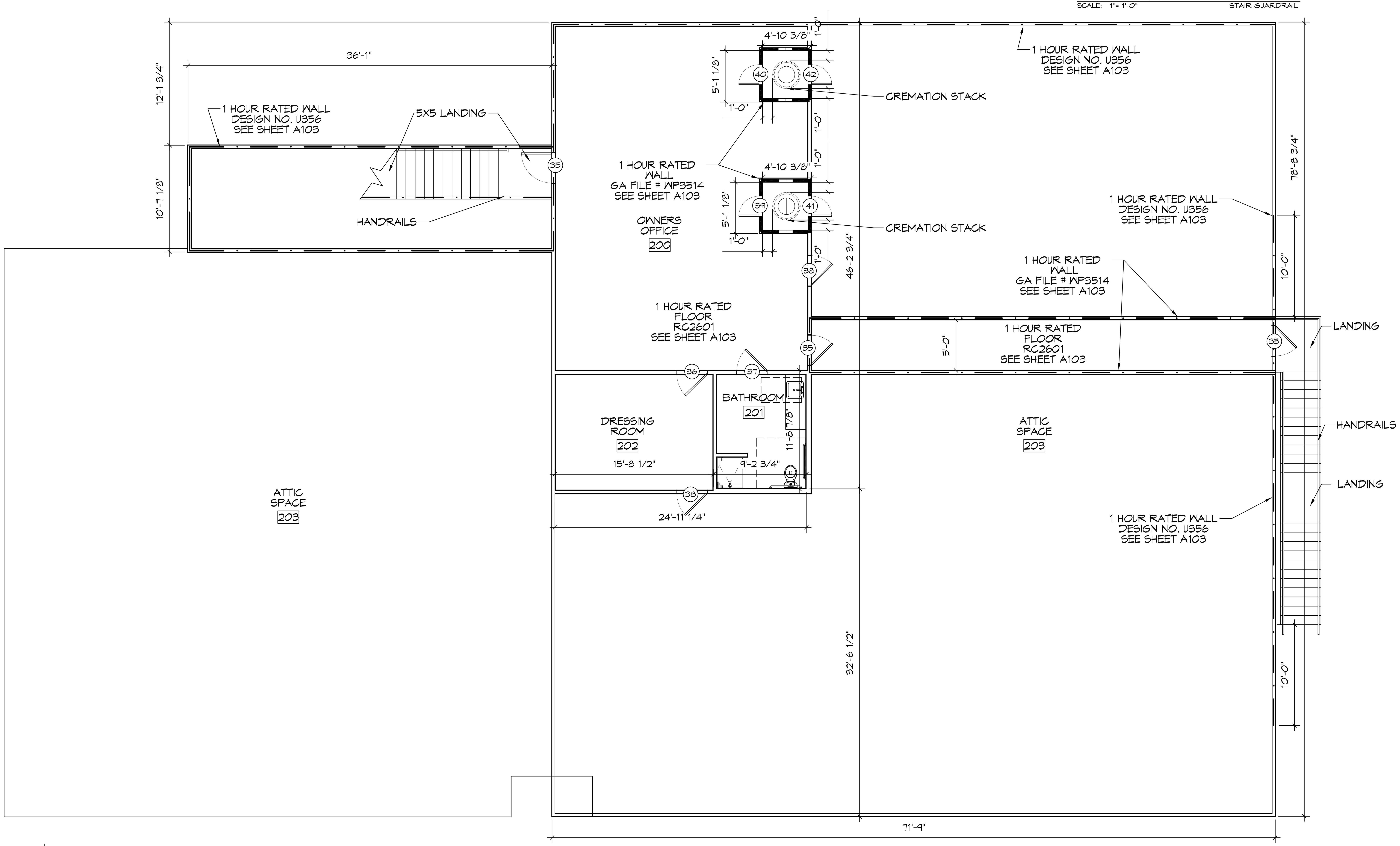
DETAIL
SCALE: 3"= 1'-0" TYPICAL STAIR TREAD/RISER



DETAIL
SCALE: 1"= 1'-0" STAIR GUARDRAIL



DETAIL
SCALE: 3"= 1'-0" TYPICAL HANDRAILS



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

DAMMON ENGINEERING, INC.
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#	DESCRIPTION	DATE

REVISIONS

SEAL:

NEW FUNERAL HOME

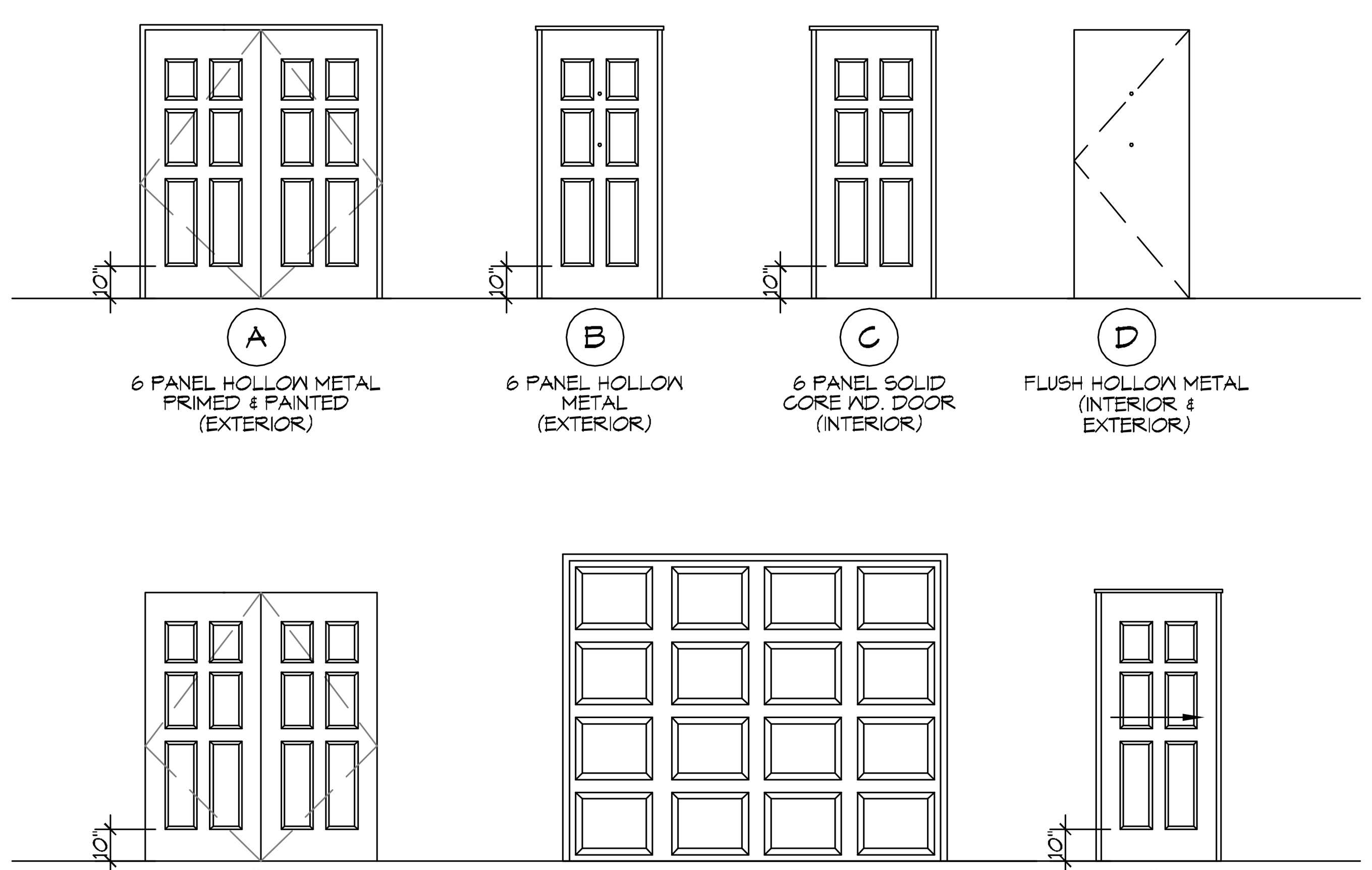
BOYD FAMILY FUNERAL HOME

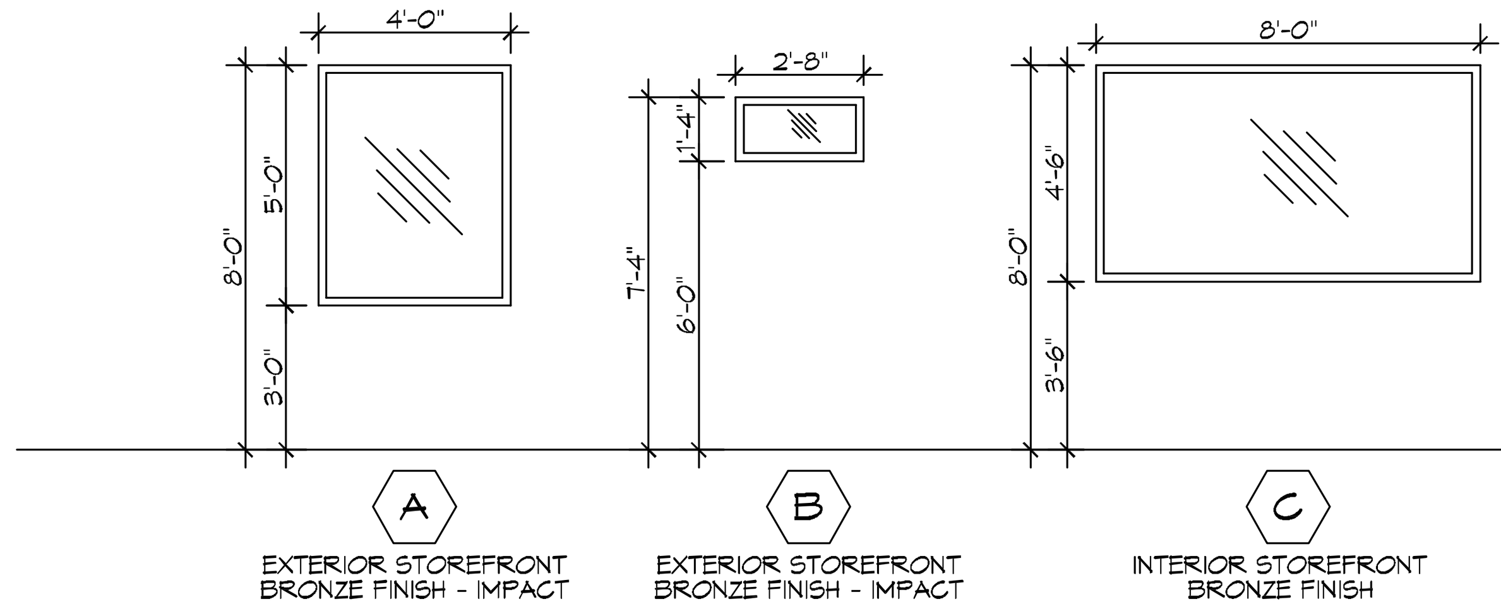
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2396	DATE: 10-10-2019		
DRAWN BY: JAGMA	CHECKED BY: CKD		

SHEET TITLE:
SECOND FLOOR PLAN

DRAWING NUMBER:
A102





13 WINDOW PROFILES
SCALE: 1/4"=1'-0"

LEGEND

- — - — - — INDICATES 1 HOUR RATED WALL ASSEMBLY
- (01) MARK DOOR TYPE
- (D) WINDOW TYPE

WINDOW SCHEDULE

MK	SIZE	FRAME	TYPE	REMARKS
A	4'-0"W x 5'-0"H	ALUM	FIXED	TINTED / TEMPERED/DOUBLE INSULATED
B	2'-8"W x 1'-4"H	ALUM	FIXED	TINTED / TEMPERED/DOUBLE INSULATED
C	8'-0" W x 4'-6"H	ALUM	FIXED	TINTED / TEMPERED/DOUBLE INSULATED/SHALL BE LISTED 1 HOUR

1. ALL WINDOW ASSEMBLES TO BE RATED FOR 140 MPH WINDS AND SHALL BE MISSILE IMPACT RESISTANT.

LOCKSET SCHEDULE

LOCKSETS WITHOUT A DEADBOLT
- 01 LOCKSET WITH PANIC BAR
- 02 OFFICE LOCKSET
- 03 INSTITUTIONAL LOCKSET
- 04 ENTRANCE LOCKSET
- 05 PASSAGE LOCKSET
- 06 PRIVACY LOCKSET
- 07 PUBLIC RESTROOM LOCKSET
- 08 STOREROOM LOCKSET
- 09 HOTEL/MOTEL

LOCKSETS WITH A DEADBOLT
- 10 APARTMENT LOCKSET
- 11 CLASSROOM SECURITY LOCKSET
- 12 DORMITORY LOCKSET
- 13 STOREROOM LOCKSET
- 14 STORE DOOR LOCKSET

DEADBOLT ONLY
- 15 DEADBOLT (KEYED OUTSIDE)
- 16 DEADBOLT (KEYED ONE SIDE)
- 17 DEADLOCK (KEYED OUTSIDE - THUMBTURN INSIDE)

12 DOOR & LOCK SCHEDULE
SCALE: 1/4"=1'-0"

DOOR SCHEDULE

DOOR	DOOR TYPE	DOOR SIZE	LOCKSET	REMARKS
1	A	(2) 3'-0"X7'-0"	04	
2	E	(2) 3'-0"X7'-0"		
3	E	(2) 3'-0"X7'-0"		
4	E	(2) 3'-0"X7'-0"		
5	C	3'-0"X7'-0"		
6	C	3'-0"X7'-0"		
7	B	3'-0"X7'-0"		
8	C	3'-0"X7'-0"		45 MINUTE RATED DOOR
9	B	3'-0"X7'-0"		
10	E	(2) 3'-0"X7'-0"		
11	E	(2) 3'-0"X7'-0"		
12	C	3'-0"X7'-0"		
13	C	3'-0"X7'-0"		
14	C	3'-0"X7'-0"		
15	C	3'-0"X7'-0"		
16	B	3'-0"X7'-0"		
17	C	3'-0"X7'-0"		
18	C	3'-0"X7'-0"		
19	C	3'-0"X7'-0"		
20	C	3'-0"X7'-0"		
21	C	3'-0"X7'-0"		
22	G	4'-0"X7'-0"		
23	D	3'-0"X7'-0"		
24	D	3'-0"X7'-0"		45 MINUTE RATED DOOR
25	G	3'-0"X7'-0"		45 MINUTE RATED DOOR
26	G	4'-0"X7'-0"		
27	D	4'-0"X7'-0"		
28	B	4'-0"X7'-0"		45 MINUTE RATED DOOR
29	B	4'-0"X7'-0"		45 MINUTE RATED DOOR
30	C	3'-0"X7'-0"		
31	C	3'-0"X7'-0"		45 MINUTE RATED DOOR
32	B	3'-0"X7'-0"		45 MINUTE RATED DOOR
33	B	3'-0"X7'-0"		45 MINUTE RATED DOOR
34	F	10'-0"X8'-0"		
35	C	3'-0"X7'-0"		45 MINUTE RATED DOOR
36	C	3'-0"X7'-0"		
37	C	3'-0"X7'-0"		
38	D	3'-0"X7'-0"		
39	D	2'-0X6'-8"		45 MINUTE RATED DOOR
40	D	2'-0X6'-8"		45 MINUTE RATED DOOR
41	D	2'-0X6'-8"		45 MINUTE RATED DOOR
42	D	2'-0X6'-8"		45 MINUTE RATED DOOR

GENERAL PLAN NOTES

1. INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IBC 2015 SECTION 720.
   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 2015.
2. ALL MATERIALS SHALL BE NEW AND UL LISTED.
3. NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTORS.
4. CONSTRUCTION SHALL COMPLY WITH ALL PARISH, STATE, AND LOCAL CODES.
5. CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
6. CONTRACTOR SHALL FURNISH WATER AND POWER FROM EXISTING SOURCES.
7. EXTERIOR CAULKING SHALL BE THIOKAL CAULK.
8. 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 MANUFACTUER. COLORS TO BE SELECTED BY OWNER.
9. PROVIDE CLEANUP ON A REGULAR BASIS. NO TRASH SHALL BE STORED INSIDE BUILDING PREMISES.
10. ALL BATT INSULATION SHALL HAVE A CLASS "A" (0-25) FLAME SPREAD IN COMPLIANCE WITH IBC 2015.
11. USE 2x6 WOOD STUDS, OR TWO 2x4 WOOD STAGGERED STUDS WITH 2x6 SILL PLATE AT ALL WALLS WHERE 4" PIPE IS INDICATED. SEE PLUMBING RISER DIAGRAM FOR PIPE SIZE.
12. PROVIDE GALVANIZED METAL PAN WITH DRAIN AT ALL WATER HEATERS.
13. ALL FLOORING SHALL MEET OR EXCEED ADA GUIDELINES REQUIREMENTS FOR SLIP RESISTANCE.
14. 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.
15. INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
16. ALL NEW WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES COVERING THE TYPE OF WORK BEING PERFORMED.
17. PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 101, SEE APPENDIX "E" OF NFPA 101 FOR DISTRIBUTION OF EXTINGUISHERS.
18. ALL FIRE WALLS SHALL EXTEND TIGHT TO ROOF DECK AND BE SEALED WITH AN APPROVED FIRE CAULK.
19. 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 ANF HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. SERVICE COUNTERS SHALL HAVE AN ACCESSIBLE WRITING SURFACE IN COMPLIANCE WITH ADAAG ACCESSIBILITY GUIDELINES 2010, SECTION 902.3.

GA FILE NO. WP 3514 GENERIC

1 HOUR FIRE 35 TO 39 STC SOUND

ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2x4 WOOD STUDS 16" O.C. WITH 1-1/4" TYPE W DRYWALL SCREWS 12" O.C.

JOINTS STAGGERED 16" ON OPPOSITE SIDES. (LOAD BEARING)

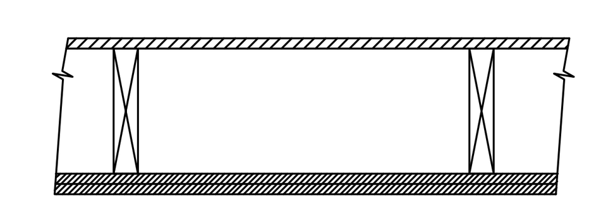
THICKNESS: 4-3/4"
APPROX. WEIGHT: 7 PSF
FIRE TEST: SWRI 01-4511-619, 8-19-02
SOUND TEST: SEE WP 3520 (G&H NG-246FT, 7-2-65)

GA FILE NO. RC 2601 GENERIC

1 HOUR FIRE 40 TO 44 STC SOUND

WOOD JOISTS, GYPSUM WALLBOARD

BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO 2 X 10 WOOD JOISTS 24" O.C. FACE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO JOISTS WITH 1 7/8" TYPE S DRYWALL SCREWS 12" O.C. AT JOINTS AND INTERMEDIATE JOISTS AND 1 1/2" TYPE G DRYWALL SCREWS 12" O.C. PLACED 2" BACK ON EITHER SIDE OF END JOINTS. JOINTS OFFSET 24" FROM BASE LAYER JOINTS. WOOD JOISTS SUPPORTING 1/2" PLYWOOD WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO JOISTS WITH 8D NAILS. CEILING PROVIDES ONE HOUR FIRE RESISTANCE PROTECTION FOR WOOD FRAMING, INCLUDING TRUSSES.

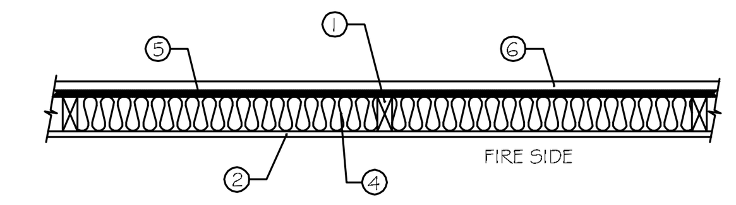


APPROX. CEILING WEIGHT: 5 PSF
FIRE TEST: FM FC 172, 2-25-72; ITS, 8-6-98

BEARING WALL RATING 1 HR. FINISH RATING-23 MIN.

DESIGN NO. U356 | **1 HOUR FIRE**

(EXPOSED TO FIRE ON INTERIOR ONLY)



1. WOOD STUDS: NOM 2x4 IN. SPACED 16" O.C. WITH TWO 2x4 IN. TOP PLATES AND ONE 2x4 IN. BOTTOM PLATE. STUDS LATERALLY-BRACED BY WOOD STRUCTURAL PANEL SHEATHING (ITEM 5) AND EFFECTIVELY FIRE STOPPED AT TOP AND BOTTOM OF WALL.
2. GYPSUM BOARD: ANY CLASSIFIED 5/8" THICK , 4 FT WIDE, APPLIED VERTICALLY AND NAILED TO STUDS AND BEARING PLATES 7 IN. O.C. WITH 6D COATED NAILS, 1-7/8" LONG WITH 1/4" DIAMETER HEAD.
3. JOINTS AND NAILHEADS: (NOT SHOWN) WALL BOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. NAIL HEADS COVERED WITH JOINT COMPOUND.
4. BATTS AND BLANKETS: MINERAL FIBER OR GLASS FIBER INSULATION, 3-1/2" THICK, PRESSURE FIT TO FILL WALL CAVITIES BETWEEN STUDS AND PLATES. MINERAL FIBER INSULATION TO BE UNFACED AND TO HAVE A MIN. DENSITY OF 3 PCF. GLASS FIBER INSULATION TO BE FACED WITH ALUMINUM FOIL OR KRAFT PAPER AND TO HAVE A MIN. DENSITY OF 0.9 PCF (MIN R-13 THERMAL INSULATION RATING).
5. WOOD STRUCTURAL PANEL SHEATING: MIN. 7/16" THICK, 4FT WIDE WOOD STRUCTURAL PANELS, MIN. GRADE "C-D" OR "SHEATHING". INSTALLED WITH LONG DIMENSION OF SHEET (STRENGTH AXIS) OR FACE GRAIN OF PLYWOOD PARALLEL WITH OR PERPENDICULAR TO STUDS. VERTICAL JOINTS CENTERED ON STUDS. HORIZONTAL JOINTS BACKED WITH NOM. 2x4 IN. WOOD BLOCKING. ATTACHED TO STUDS ON EXTERIOR SIDE OF WALL WITH 6D CEMENT COATED BOX NAILS SPACED 6" O.C. AT PERIMETER OF PANELS AND 12" O.C. ALONG INTERIOR STUDS.
6. EXTERIOR FACINGS: INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS. ONE OF THE FOLLOWING EXTERIOR FACINGS IS TO BE APPLIED OVER THE SHEATING.
   A. VINYL SIDING: - MOLDED PLASTIC - CONTOURED RIGID VINYL SIDING HAVING A FLAME SPREAD VALUE OF 20 OR LESS.
   B. PARTICLE BOARD SIDING: HARDBOARD EXTERIOR SIDINGS INCLUDING PATTERNED PANEL OR LAP SIDING.
   C. WOOD STRUCTURAL PANEL OR LAP SIDING: APA RATED SIDING, EXTERIOR, PLYWOOD, OSB OR COMPOSITE PANELS WITH VENEER FACES AND STRUCTURAL WOOD CORE, PER PS1 OR APA STANDARD PRP-108, INCLUDING TEXTURED, ROUGH SAWN, MEDIUM DENSITY OVERLAY, BRUSHED, GROOVED AND LAP SIDING.
   D. CEMENTITOUS STUCCO: PORTLAND CEMENT OR SYNTHETIC STUCCO SYSTEMS WITH SELF-FURRING METAL LATH OR ADHESIVE BASE COAT. THICKNESS FROM 3/8" TO 3/4", DEPENDING ON SYSTEM.
   E. BRICK VENEER: ANY TYPE ON NOM 4" WIDE BRICK VENEER. WHEN BRICK VENEER IS USED, THE RATING IS APPLICABLE WITH EXPOSURE ON EITHER FACE. BRICK VENEER FASTENED WITH CORRUGATED METAL WALL TIES ATTACHED OVER SHEATHING TO WOOD STUDS WITH 8D NAIL PER TIE: TIES SPACED NOT MORE THAN EACH SIXTH COARSE OF BRICK AND MAX 32" O.C. HORIZONTALLY. 1" AIR SPACE PROVIDED BETWEEN BRICK VENEER AND SHEATHING.
   F. EXTERIOR INSULATION AND FINISH SYSTEM (EIFS): NOM 1" FOAMED PLASTIC INSULATION BEARING THE UL CLASSIFICATION MARKING, ATTACHED OVER SHEATHING AND FINISHED WITH COATING SYSTEM, OR PORTLAND CEMENT OR SYNTHETIC STUCCO SYSTEMS, IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
   G. SIDING: ALUMINUM OR STEEL SIDING ATTACHED OVER SHEATHING TO STUDS.
   H. FIBER CEMENT SIDING: FIBER-CEMENT EXTERIOR SIDINGS INCLUDING SMOOTH AND PATTERNED PANEL OR LAP SIDING.

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMW	CHECKED BY:	CKD

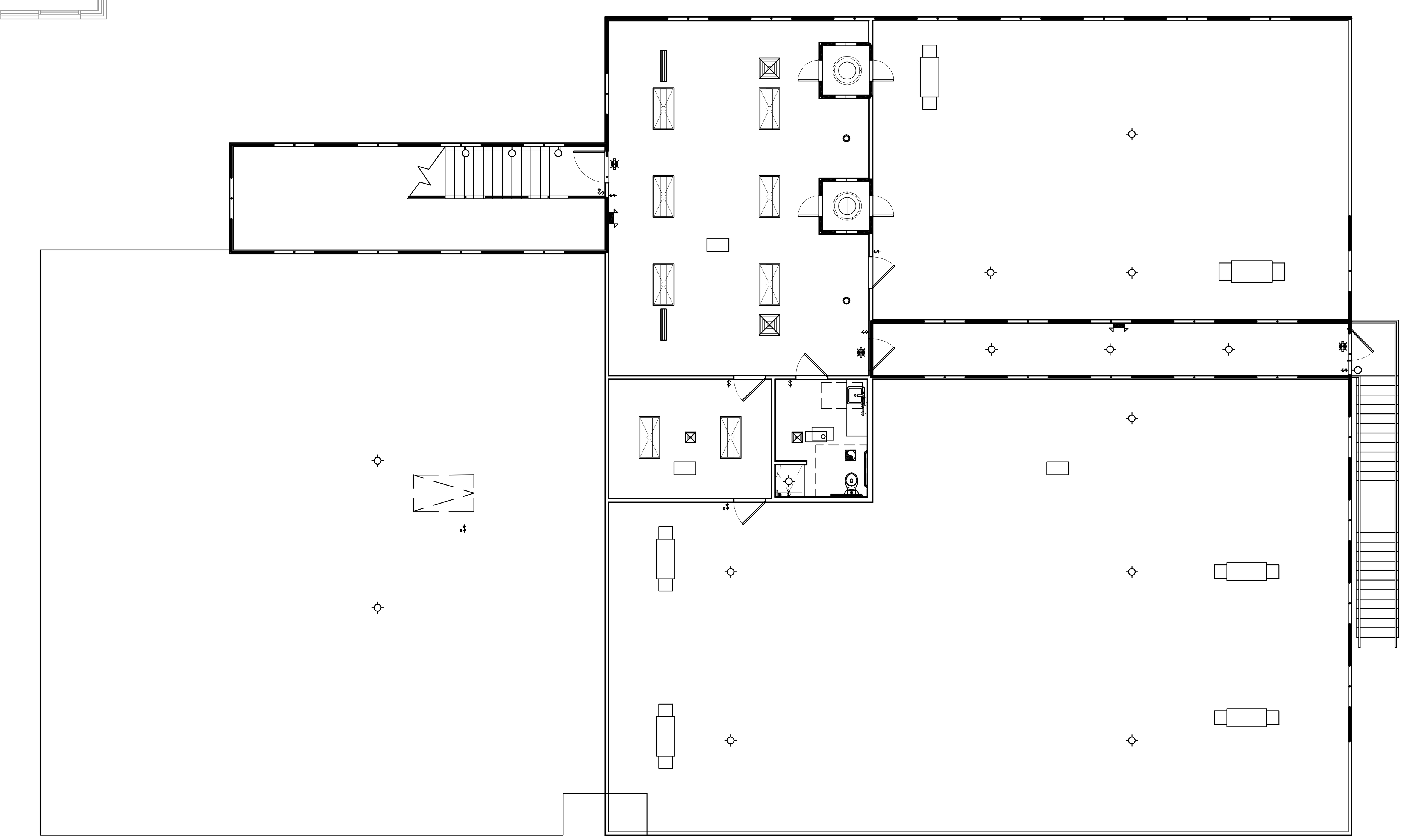
SHEET TITLE:
ARCHITECTURAL NOTES AND SCHEDULES

DRAWING NUMBER:
A103

LEGEND

Symbol	Description
	ATTIC ACCESS HATCH AND LADDER
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	AIR SUPPLY GRILLE
	EXHAUST FAN
	CREMATORY STACK
	RECESSED LIGHT
	EXIT LIGHT
	WALL SCONCE LIGHT
	2X4 FLUORESCENT
	VANITY LIGHT
	CHANDELIER
	EMERGENCY LIGHT

14 REFLECTED CEILING PLAN FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



15 REFLECTED CEILING PLAN SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

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NEW FUNERAL HOME

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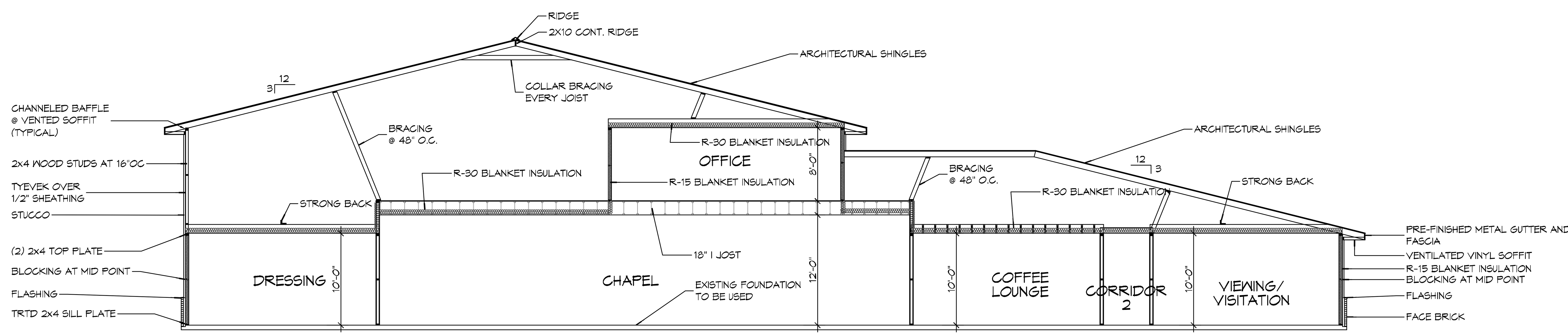
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMW	CHECKED BY:	CKD

SHEET TITLE:
REFLECTED CEILING PLANS

DRAWING NUMBER:
A104



D A105 A101 **TYPICAL SECTION**

SCALE: 1/8 = 1'-0"

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BOYD FAMILY FUNERAL HOME

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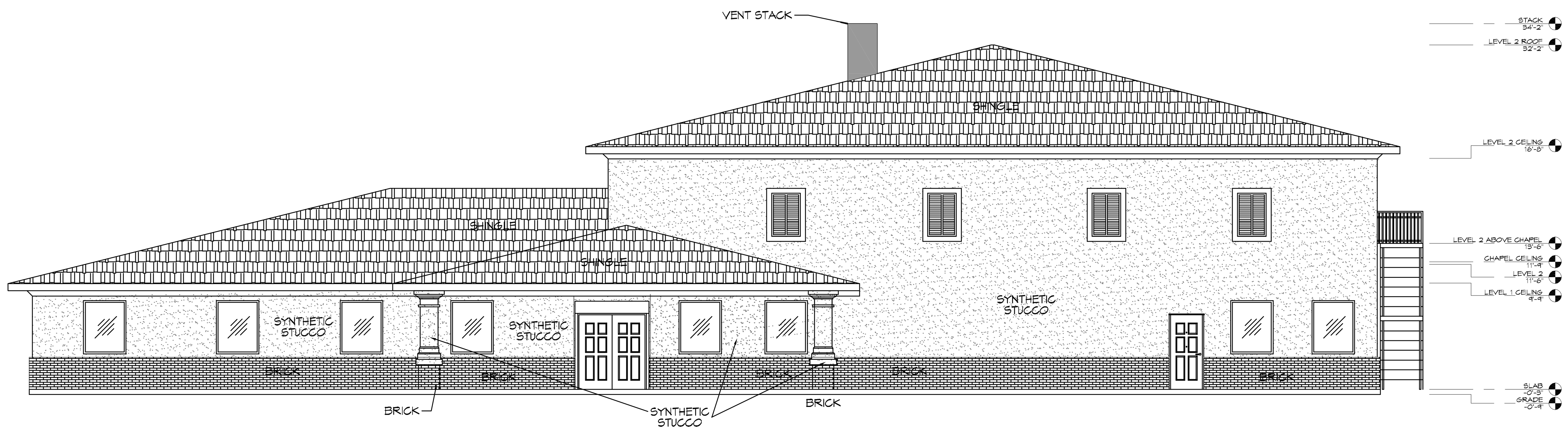
NEW ORLEANS, LA

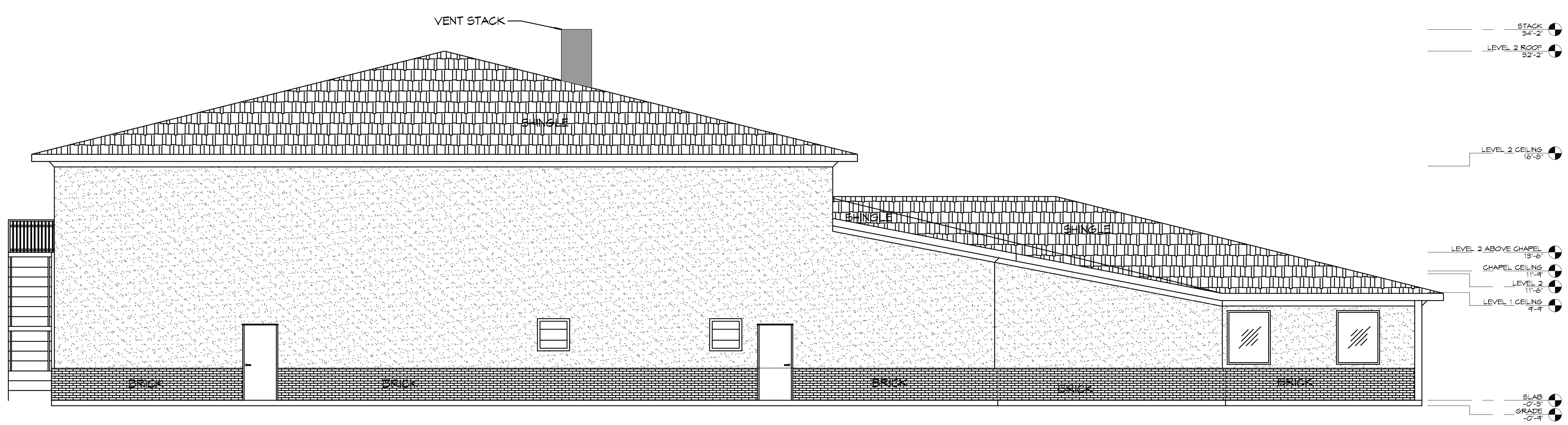
JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	CKD	CHECKED BY:	CKD

SHEET TITLE:
BUILDING SECTION

DRAWING NUMBER:
A105



16 FRONT ELEVATION
SCALE: 1/8"=1'-0"



17 REAR ELEVATION
SCALE: 1/8"=1'-0"

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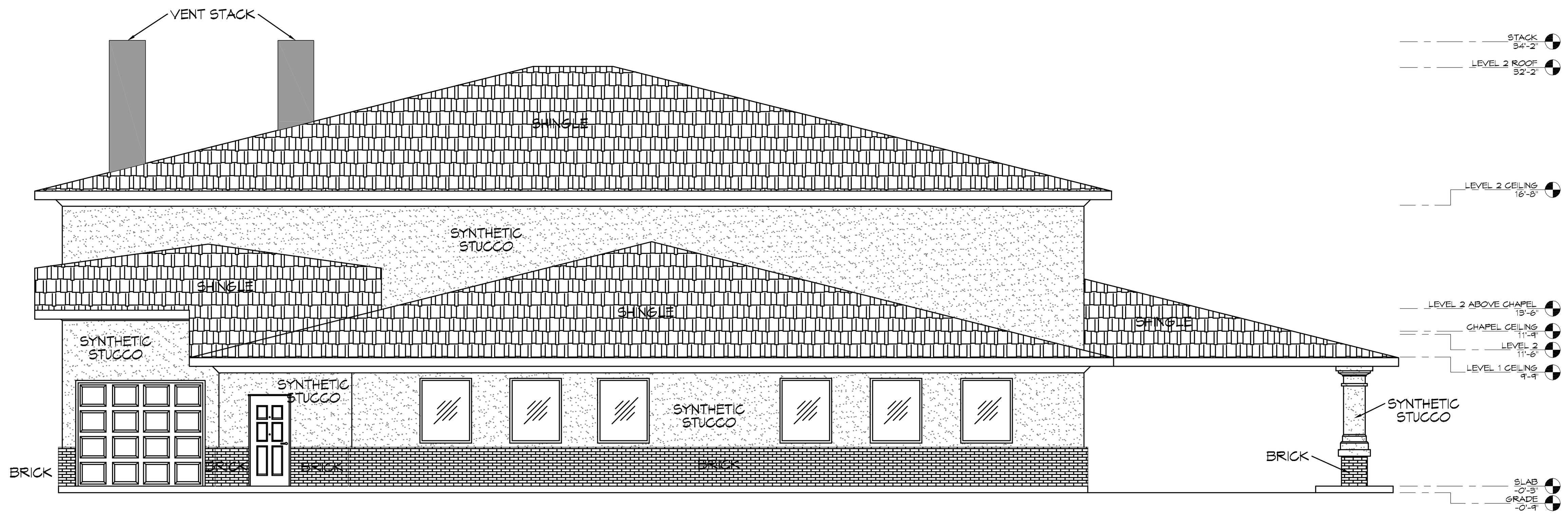
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMW	CHECKED BY:	CKD

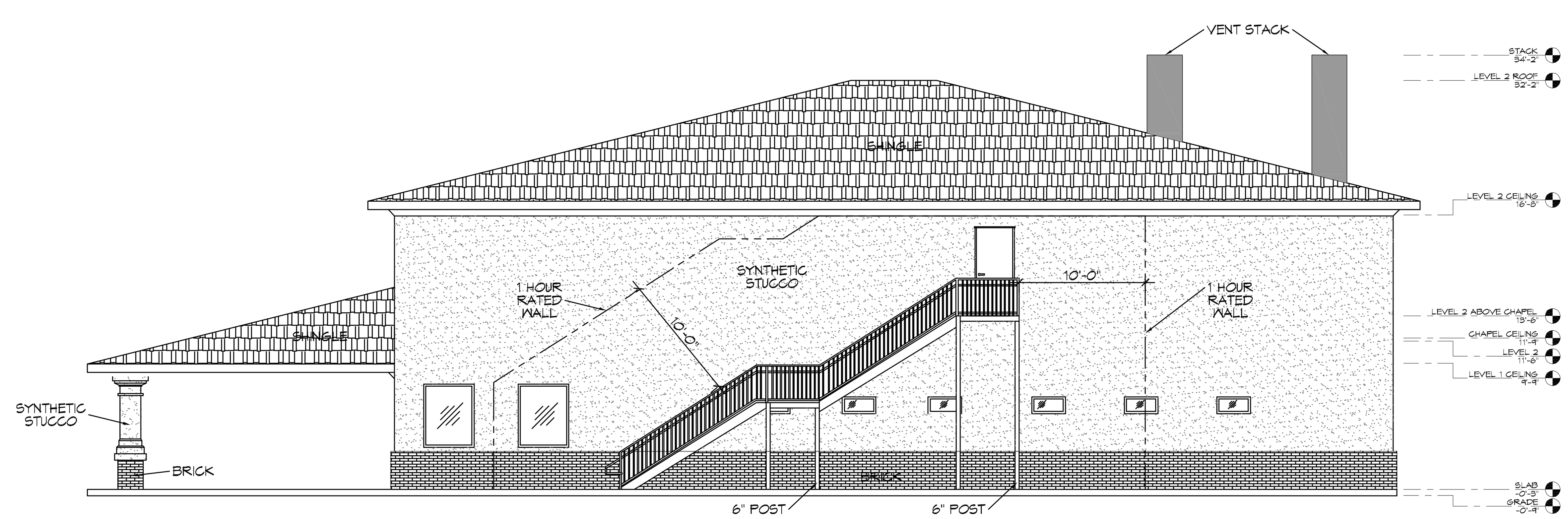
SHEET TITLE:
EXTERIOR ELEVATIONS

DRAWING NUMBER:
A106

SHEET No: 13 of # 23



18 LEFT ELEVATION
SCALE: 1/8"=1'-0"



19 RIGHT ELEVATION
SCALE: 1/8"=1'-0"

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4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMN	CHECKED BY:	CKD

SHEET TITLE:
EXTERIOR ELEVATIONS

DRAWING NUMBER:
A107

LEGEND

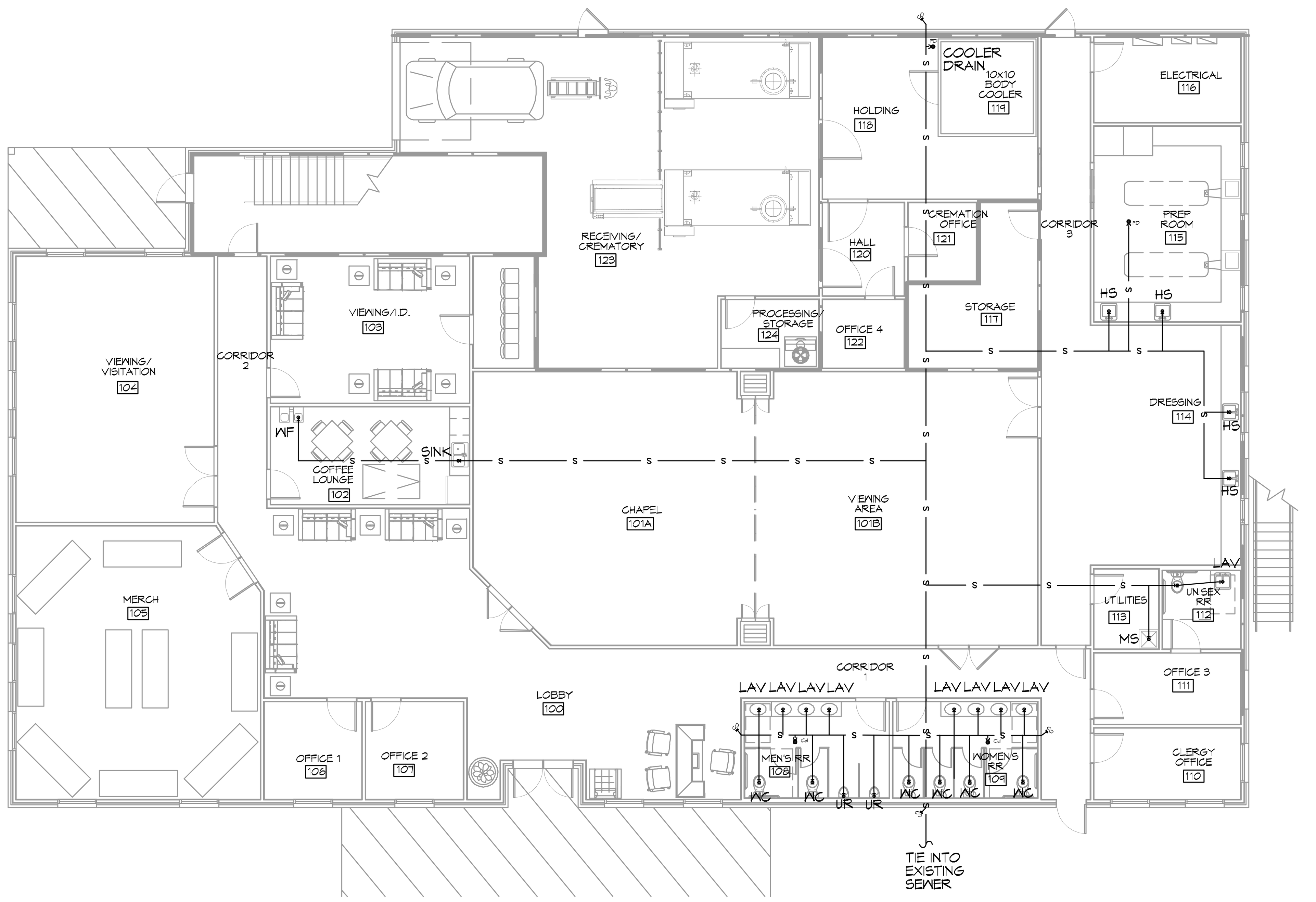
SYMBOL	DESCRIPTION
——s——s——	SANITARY SEWER
——v——v——	VENT PIPE
FD	FLOOR DRAIN
CO	LINE CLEAN OUT
WCO	WALL CLEAN OUT

GENERAL PLUMBING NOTES

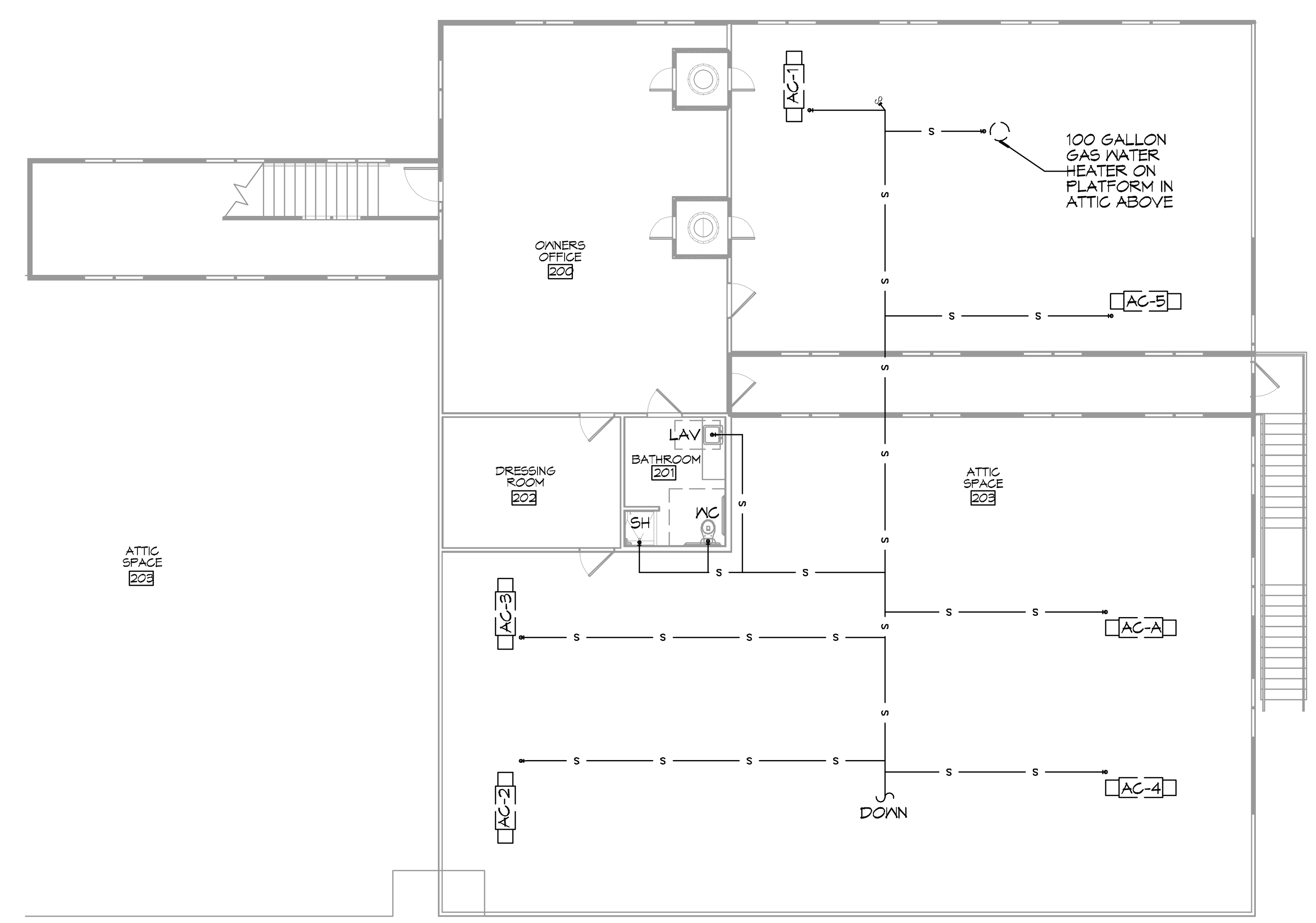
1. SEE VENDOR DRAWINGS.
2. PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
3. PROVIDE ALL LABOR, MATERIAL, TRANSPORTATION, SUPERVISION, CLEAN-UP, SERVICES, AND EQUIPMENT FOR A COMPLETE 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.
4. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES. MUST MEET LA STATE PLUMBING CODE 2013 REQUIREMENTS.
5. 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.
6. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
7. 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.
8. TEST ALL PIPING AT REQUIRED PRESSURE.
9. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL SYSTEM AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
10. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
11. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
12. 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.
13. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATERTUBE, TYPE L. HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
14. SOIL, 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 DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
15. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
16. 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.)
17. SEE ROOF PLAN FOR PLUMBING ROOF PENETRATIONS. ROUTE VENT PIPES IN ATTIC AS NECESSARY.
18. ALL VENTS THROUGH ROOF (VTR) SHALL BE LOCATED A MINIMUM OF 10'-0"FROM ANY MECHANICAL OR NATURAL AIR INTAKE.

PLUMBING ABBREVIATIONS

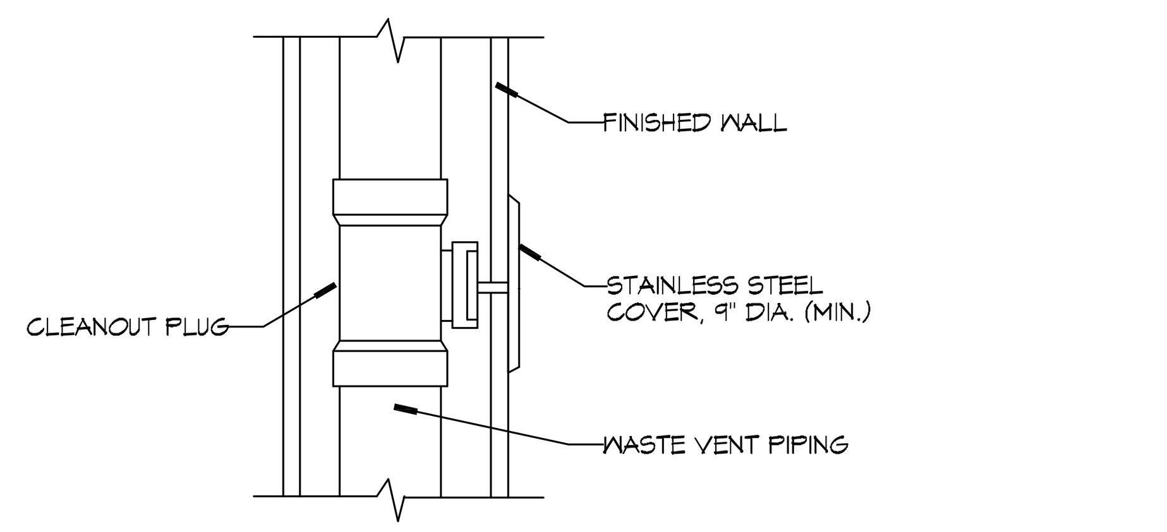
WCO	WALL CLEAN OUT	EW	EMERGENCY EYE WASH STATION
FCO	FLOOR CLEAN OUT	FD	FLOOR DRAIN
CO	CLEAN OUT	UR	URINAL
VTR	VENT THROUGH ROOF	EDF	ELECTRIC DRINKING FOUNTAIN
TD	TROUGH DRAIN	DFF	DOWN TO FIRST FLOOR
WC	WATER CLOSET	RTU	ROOF TOP UNIT
LV	LAVATORY IN COUNTER	TRP	TO ROOF PIT
LVH	LAVATORY IN COUNTER - ACCESSIBLE	DFF	DOWN TO FIRST FLOOR
SINK	SINK DESIGNATION - SEE FIXTURE SCHEDULE	FRP	FROM ROOF PIT
		WF	WATER FOUNTAIN



20 PLUMBING PLAN 1ST FLOOR
SCALE: 3/32" = 1'-0"

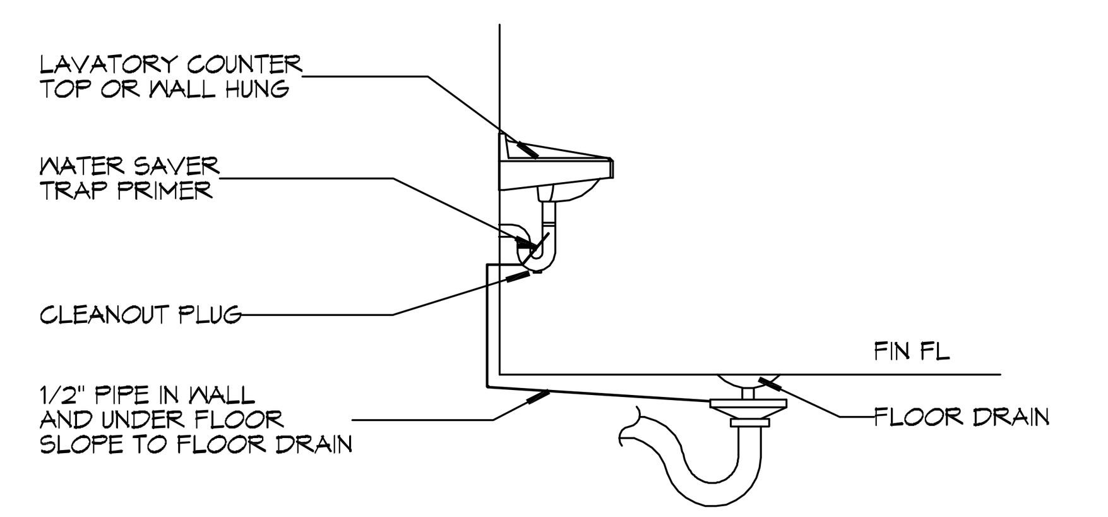


21 PLUMBING PLAN 2ND FLOOR
SCALE: 3/32" = 1'-0"



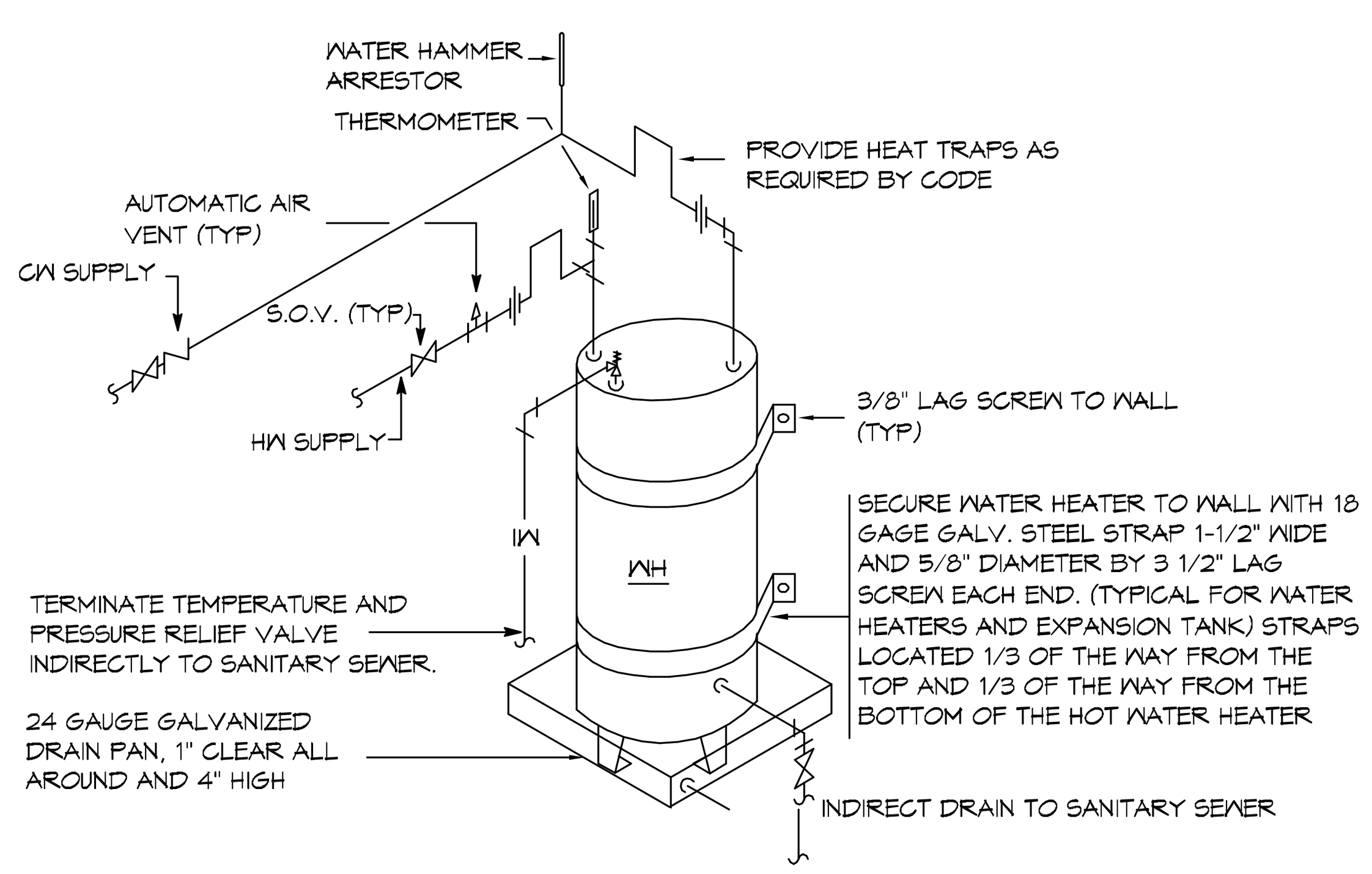
4 DETAIL
SCALE: NTS

WALL CLEAN OUT



6 DETAIL
SCALE: NTS

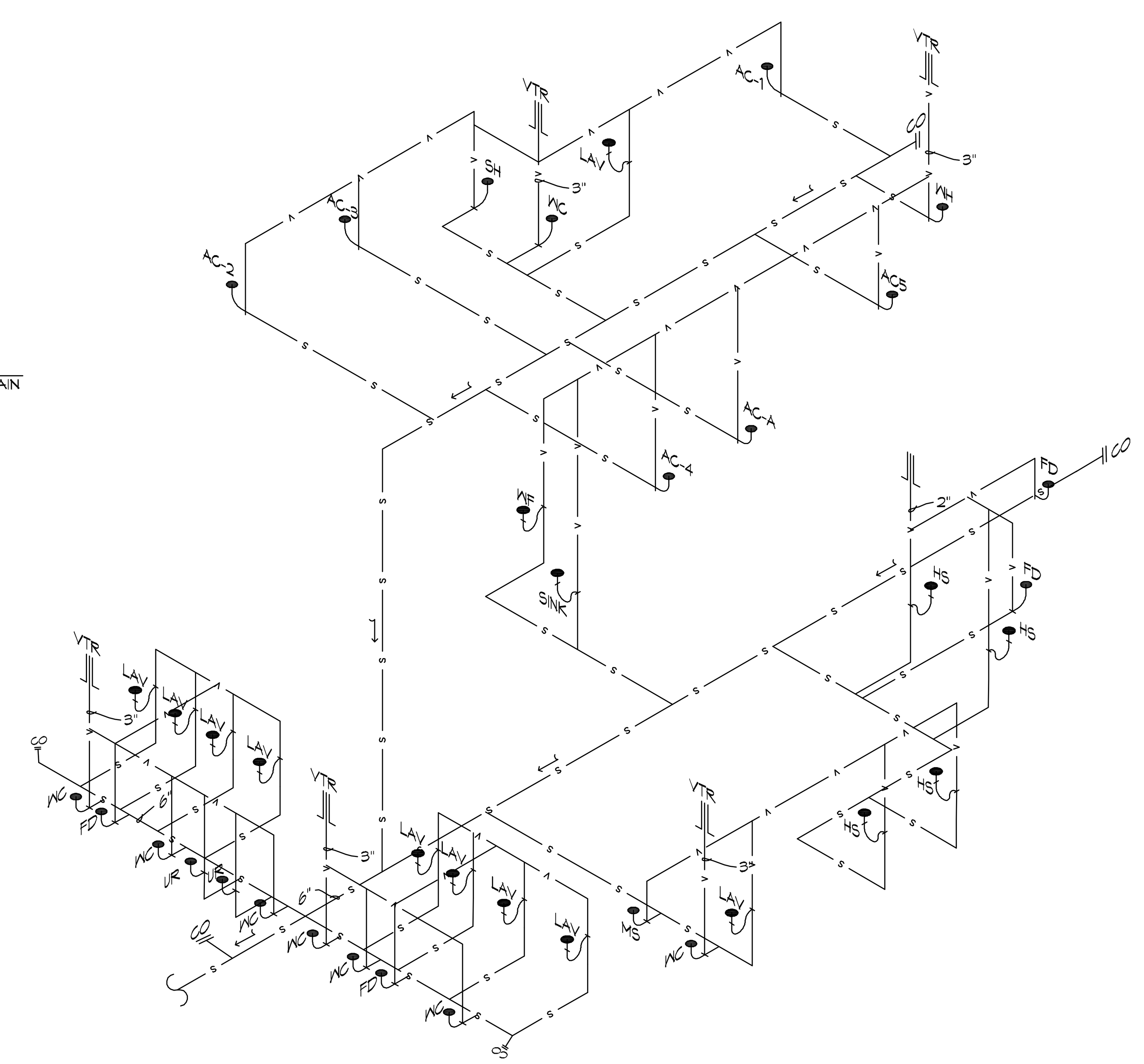
FLOOR DRAIN



NOTES:
1. A WATERTIGHT PAN WITH 1" DRAIN SHALL BE PROVIDED UNDER WATER HEATER. DRAIN DIRECTLY OUTSIDE.
2. WATER HEATER TEMPERATURE TO BE SET AT 140° F. PROVIDE TEMPERING VALVE (SET @ 110°F) FOR ALL HAND SINKS.

5 DETAIL
SCALE: NTS

WATER HEATER



22 PLUMBING RISER
SCALE: N.T.S.

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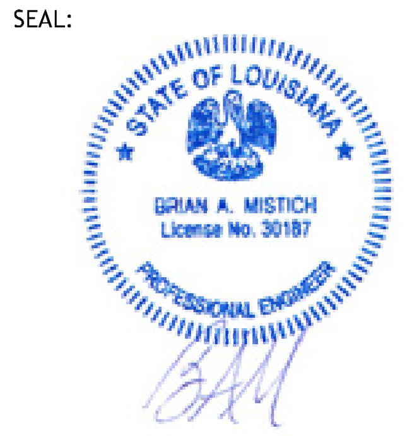
REVISIONS

#	DESCRIPTION	DATE

SEAL:



NEW FUNERAL HOME

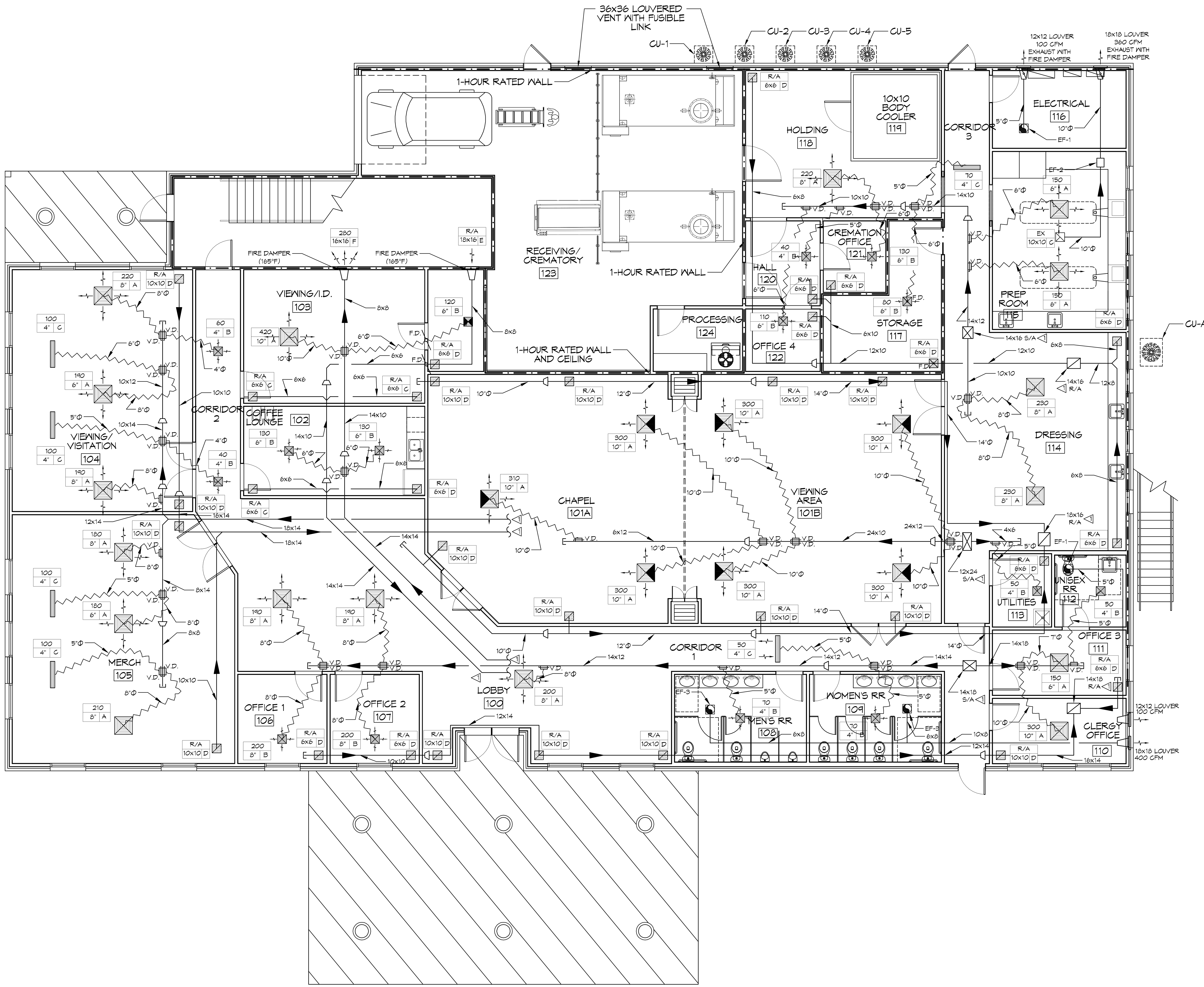
BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	CKD	CHECKED BY:	CKD

SHEET TITLE:
PLUMBING PLAN AND PLUMBING RISER DIAGRAM

DRAWING NUMBER:
P101



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

MECHANICAL HVAC NOTES

1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE UL LISTED 125 'F' FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
10. ALL RESTROOM EXHAUST FAN(S) SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
11. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
12. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
13. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
14. ALL ELECTRICAL, MECHANICAL, AND PLUMBING 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-E8-14).
15. ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY, CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
16. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0".
17. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
18. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
19. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJ'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR. IF REQUIRED.
20. FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
21. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
22. CONTRACTOR SHALL PROVIDE A MEANS FOR ATTIC VENTILATION FOR THE MOVEMENT OF AIR ABOVE DROP CEILING(S) EITHER BY MECHANICAL VENTS OR POWER VENTS.

LEGEND

RETURN & SUPPLY GRILLE
SUPPLY GRILLE
RETURN GRILLE
VOLUME DAMPER
FIRE DAMPER

NOTES

1 REFERENCE ATTIC PLAN FOR CONTINUATION

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
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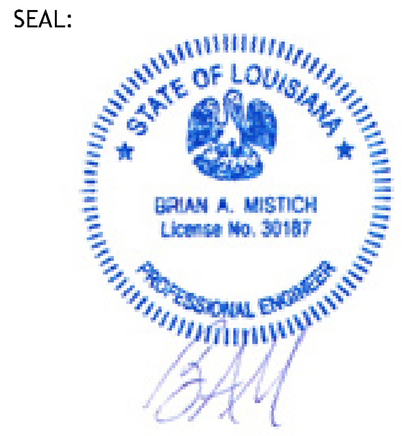
REVISIONS
#	DESCRIPTION	DATE

SEAL:



NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	RLD	CHECKED BY:	CKD

SHEET TITLE:
MECHANICAL FIRST FLOOR PLAN

DRAWING NUMBER:
M101

SPLIT SYSTEM HEAT PUMP SCHEDULE																					
AIR HANDLER																	HEAT PUMP				
TAG	AREA SERVED	TRANE MODEL NO.	NOMINAL TONS	TOTAL CFM	OA CFM	COOLING				Motor HP	ESP (" WC)	HEAT	POWER			TAG	TRANE MODEL NO.	POWER			REMARKS
						TMBH	EDB	EWB	CIRCUITS			KW	VAC	PH	MCA			VAC	PH	MCA	
AC-A	Chapel	TWE07243B	6	2160	610	78.8	81.7	70.9	2	1/2	0.4	7.5	208	3	33	CU-A	TWA07243D	208	3	27	1, 2, 3, 4

NOTES:

1 Provide inlet filter box, single point power connection, expansion valve, crankcase heat, time delay relay, condensate overflow switch & programmable 7/24 thermostat with lockable cover.
2 Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3 Install units in accordance with manufacturer's recommendations.
4 Provide new filters after commissioning and final acceptance.

SPLIT SYSTEM AIR CONDITIONING SCHEDULE																				
AIR HANDLER																CONDENSER				
TAG	AREA SERVED	TRANE MODEL NO.	NOMINAL TONS	TOTAL CFM	OA CFM	COOLING			Motor HP	ESP (" WC)	HEAT	POWER			TAG	TRANE MODEL NO.	POWER			REMARKS
						TMBH	EDB	EWB			KW	VAC	PH	MCA			VAC	PH	MCA	
AC-1	Owner's Office Area	TEM3A0B36	3	800	80	30.9	88.8	68.6	1/2	0.3	3.6	208	1	25	CU-1	4TTR5036E1	208	1	19	1, 2, 3, 4
AC-2	Merch & Viewing	TEM3A0C60	5	1670	310	56.9	80.2	68.8	3/4	0.4	5.8	208	1	45	CU-2	4TT5060E1	208	1	34	1, 2, 3, 4
AC-3	Viewing / ID& Coffee Area	TEM3A0B36	3	1080	200	35	80	69.9	1/2	0.4	3.6	208	1	25	CU-3	4TTR5036E1	208	1	19	1, 2, 3, 4
AC-4	Lobby	TEM3A0C60	5	1670	310	58.6	79.8	68.2	3/4	0.4	7.2	208	1	60	CU-4	4TT5060E1	208	1	34	1, 2, 3, 4
AC-5	Holding & Dressing	TEM3A0C48	4	1410	610	46.3	83.5	73.1	1/2	0.4	5.8	208	1	38	CU-7	4TTR5048E1	208	1	26	1, 2, 3, 4

NOTES:

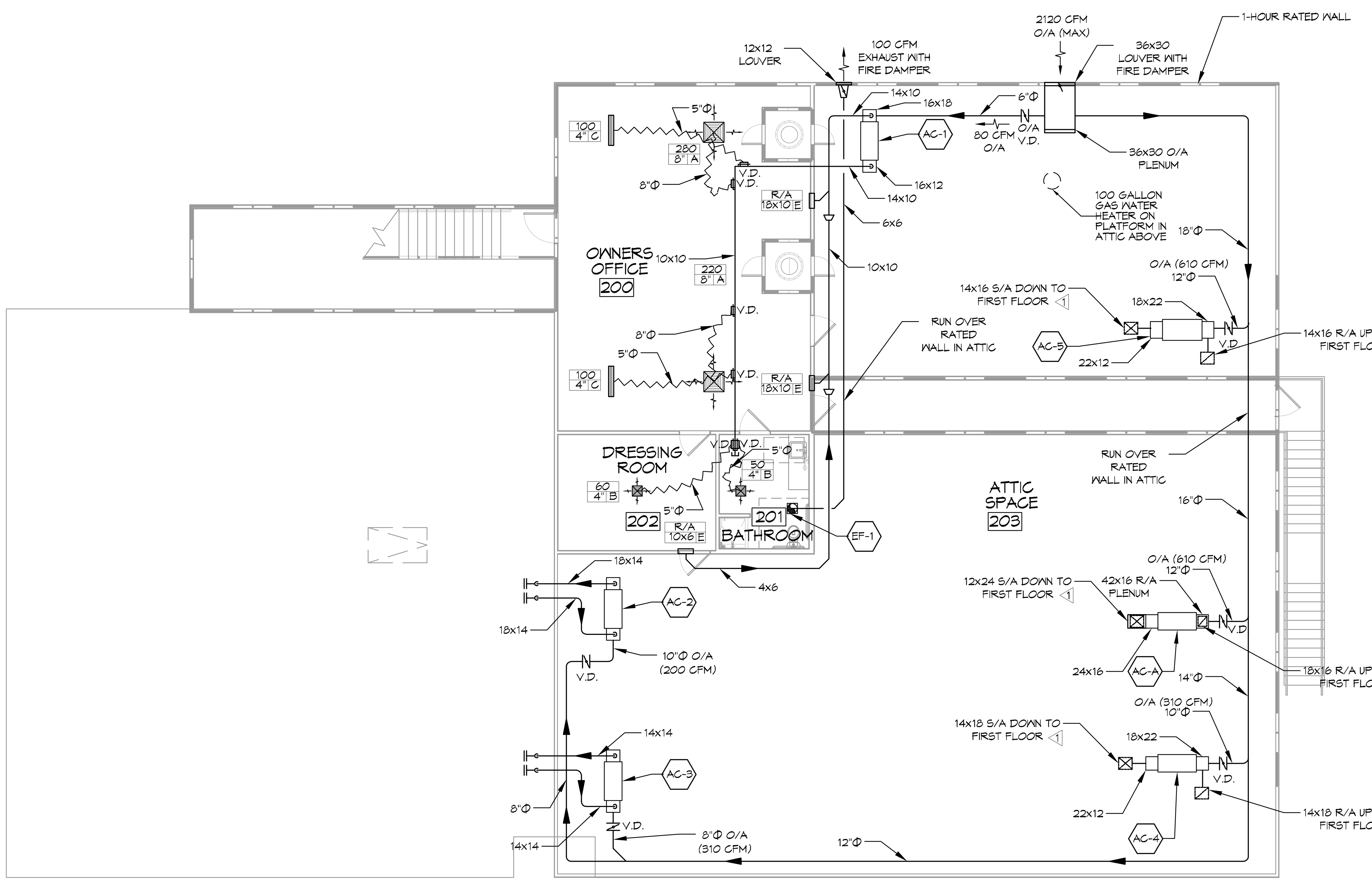
1 Provide inlet filter box, single point power connection, expansion valve, crankcase heat, time delay relay, condensate overflow switch & programmable 7/24 thermostat with lockable cover.
2 Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3 Install units in accordance with manufacturer's recommendations.
4 Provide new filters after commissioning and final acceptance.

Exhaust Fan Schedule									
Tag	Fan				Power			Make / Model	Remarks
	Airflow (CFM)	TSP (" wc)	Watts	RPM	Volts	Phase	Hz		
EF-1	100	0.05	72	2250	120	1	60	Air King BFQ110	1, 2
EF-2	360	0.1	94	1620	120	1	60	Fan Tech FG-10EC	2, 3
EF-3	200	0.1	57	932	120	1	60	Air King AK200LS	1, 2

1. Interlock with light switch
2. Install per Manufacturer's recommendations.
3. Furnish with speed control and backdraft damper.

DIFFUSER SCHEDULE			
Mark No.	Service	Neck Size	Description
A	Supply Air	Ref. Plan	24""x 24" Square Pattern Plaque, Titus "Omni" or equal
B	Supply Air	Ref. Plan	12""x 12" Square Pattern Plaque, Titus "Omni" or equal
C	Supply Air	Ref. Plan	48" Linear Slot w/ two 1/2" slots, Titus "ML-37" or equal
D	Return Air	Ref. Plan	12" x 12" Perforated Face Return, Titus "PAR" or equal
E	Return Air	Ref. Plan	R/A Grille, Titus "350RL" or equal
F	Supply Air	Ref. Plan	Double Deflection S/A Register, Titus "112-RS" or equal

1. Coordinate with Architect / Owner for colors and finish.



24 SECOND FLOOR MECHANICAL PLAN
SCALE: 1/8"=1'-0"

MECHANICAL HVAC NOTES

1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE UL LISTED 125 'F' FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
10. ALL RESTROOM EXHAUST FAN(S) SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
11. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
12. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
13. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
14. ALL ELECTRICAL, MECHANICAL, AND PLUMBING 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-E8-14).
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18. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
19. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJ'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR. IF REQUIRED.
20. FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
21. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
22. CONTRACTOR SHALL PROVIDE A MEANS FOR ATTIC VENTILATION FOR THE MOVEMENT OF AIR ABOVE DROP CEILING(S) EITHER BY MECHANICAL VENTS OR POWER VENTS.

LEGEND

RETURN & SUPPLY GRILLE
SUPPLY GRILLE
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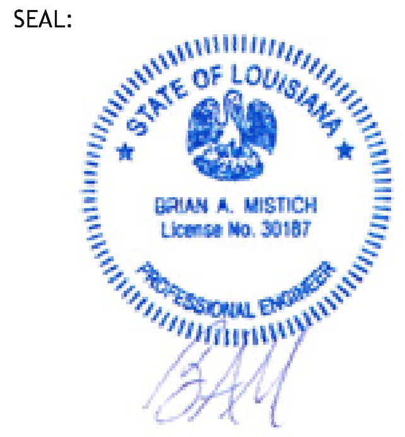

NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	RLD	CHECKED BY:	CKD

SHEET TITLE:
MECHANICAL SECOND FLOOR PLAN, SCHEDULES & DETAILS

DRAWING NUMBER:
M102

FIXTURES:

25' POLE WITH LED LIGHT, 4000K, NEMA TYPE 4 BEAM EATON PREVAIL #PRV-A60-D-UNV-T4-BT-, 18900 LUMENS, 163W

EXISTING 25' POLE WITH LED LIGHT, 4000K, NEMA TYPE 4 BEAM EATON PREVAIL #PRV-A60-D-UNV-T4-BT-, 18900 LUMENS, 163W

25 SITE ELECTRICAL PLAN
SCALE: 1" = 10'-0"

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW FUNERAL HOME

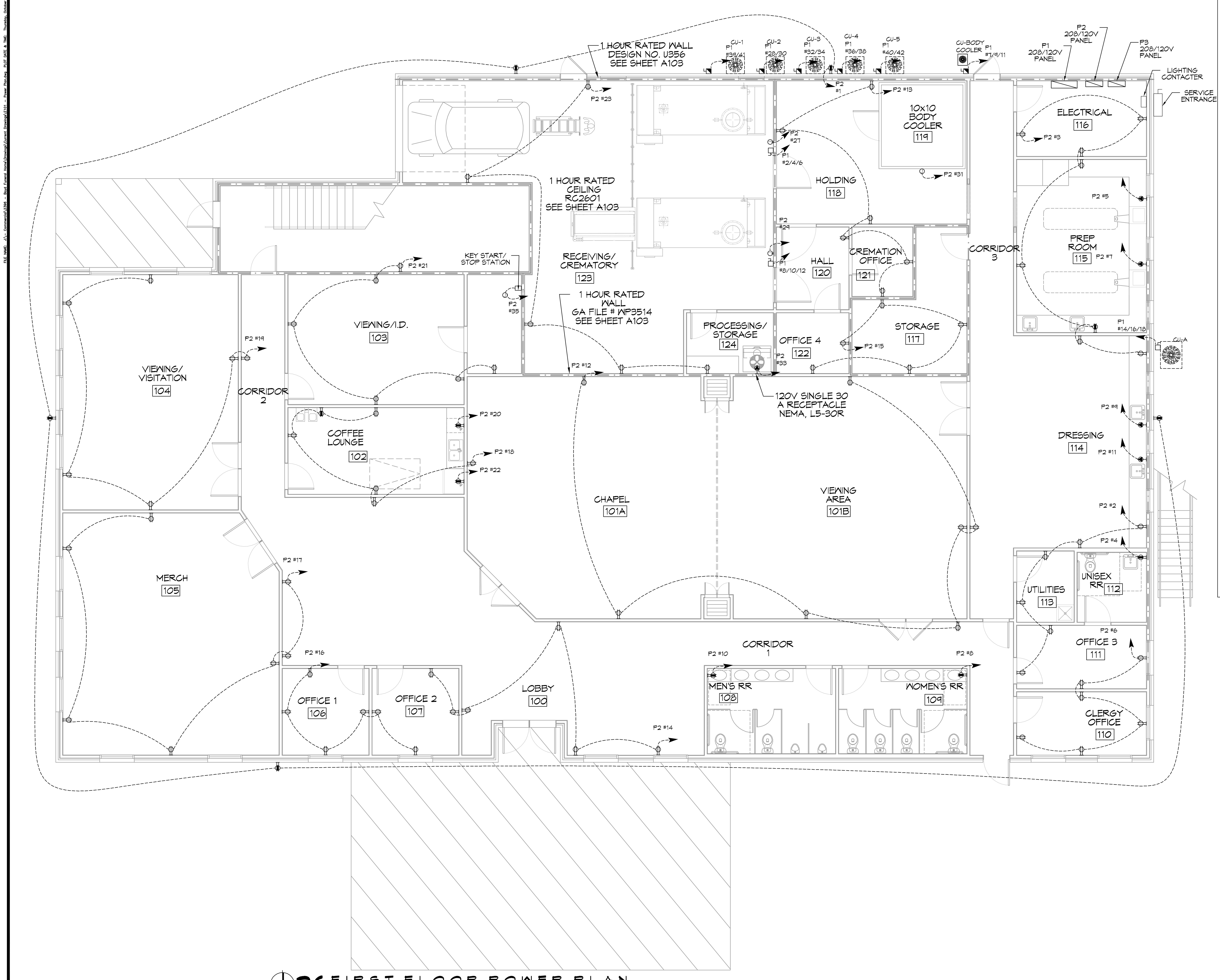
BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMW	CHECKED BY:	CKD

SHEET TITLE:
SITE ELECTRICAL PLAN

DRAWING NUMBER:
E100



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

GENERAL ELECTRIC POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ¾" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, ¾" RIGID ALUMINUM FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC, BURIED A MINIMUM OF 18" FOR NON-VEHICLUAR TRAFFIC AREAS, FOR CONDUITS BELOW GRADE . EMT SHALL BE USED WITH METAL STUD CONSTRUCTION. USE NMC IN WOOD CONSTRUCTION. 6 FT LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
11. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE IN A METAL RACEWAY SYSTEM OR MEDICAL GRADE MC CABLE (NEC ART. 517.13(A)).
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
15. INSTALL SPECIAL PROTECTIVE RECEPTACLE COVERS IN ALL WAITING AREAS OCCUPIED BY CHILDREN 6 YEARS OF AGE AND UNDER.
16. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
17. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
18. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
19. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
20. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
21. ALL ELECTRICAL, MECHANICAL AND PLUMBING 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.)
22. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
23. ALL RECEPTACLES AND SWITCHES ARE TO HAVE WEATHER PROOF COVERS IN APPARATUS BAY. 50% OF ALL EXTERIOR WEATHER PROOF COVERS SHALL BE IN-USE COVERS.
24. LIGHT FIXTURE AND/OR RECEPTACLE, LOCATED IN ATTIC.

POWER LEGEND

SYMB

- STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 18" AFF (UNLESS OTHERWISE NOTED)
- SINGLE-POLE DEDICATED RECEPTACLE - REFER TO PANEL SCHEDULE FOR CIRCUIT SIZE
- GFCI DUPLEX RECEPTACLE
- GFCI QUAD RECEPTACLE
- 220V ELECTRIC DRYER RECEPTACLE - MOUNTED AT 30" AFF
- 220V DEDICATED GFCI RECEPTACLE
- WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
- STANDARD 120V DUPLEX RECEPTACLE - FLOOR MOUNTED
- STANDARD QUAD RECEPTACLE - WALL-MOUNTED
- STANDARD QUAD RECEPTACLE - FLOOR MOUNTED
- 125V 15 AMP DUPLEX-USB 5VDC 3 AMP HUBBELL USB CHARGER RECEPTACLE
- 125V 15 AMP QUADPLEX-USB 5VDC 3 AMP HUBBELL USB CHARGER RECEPTACLE
- JUNCTION BOX
- GENERATOR BATTERY CHARGER
- 2-BUTTON PUSH BUTTON STATION
- COAX-CABLE CONNECTION FOR TELEVISION
- WALL MOUNTED DATA OUTLET
- FLOOR DATA OUTLET
- POWER DISCONNECT
- WATER HEATER ON DECK OR MEZZANINE ABOVE - SIZE AS NOTED ON PLAN
- AIR CONDITIONING AIR HANDLING UNIT ON DECK OR MEZZANINE ABOVE, SEE MECHANICAL DRAWINGS
- AIR CONDITIONING CONDENSER UNIT ON CONCRETE PAD, SEE MECHANICAL DRAWINGS

NOTES:
1. CONNECT ALL EMERGENCY/EXIT LIGHT FIXTURES TO NEAREST CONSTANT POWER SOURCE.
2. THE #2 NEXT TO A RECEPTACLE OR DATA OUTLET DESIGNATES THAT THERE ARE TO BE TWO OUTLETS AT THAT LOCATION...ONE OVER THE OTHER (ONE HIGH & ONE LOW ON WALL) EXAMPLE: OR

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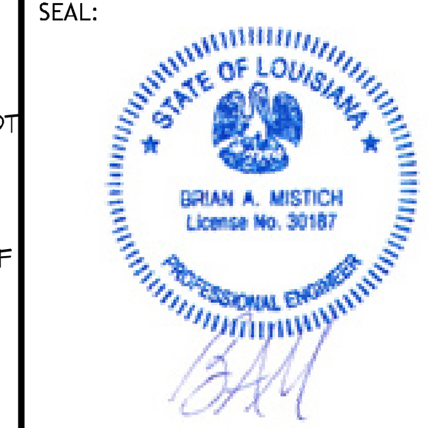
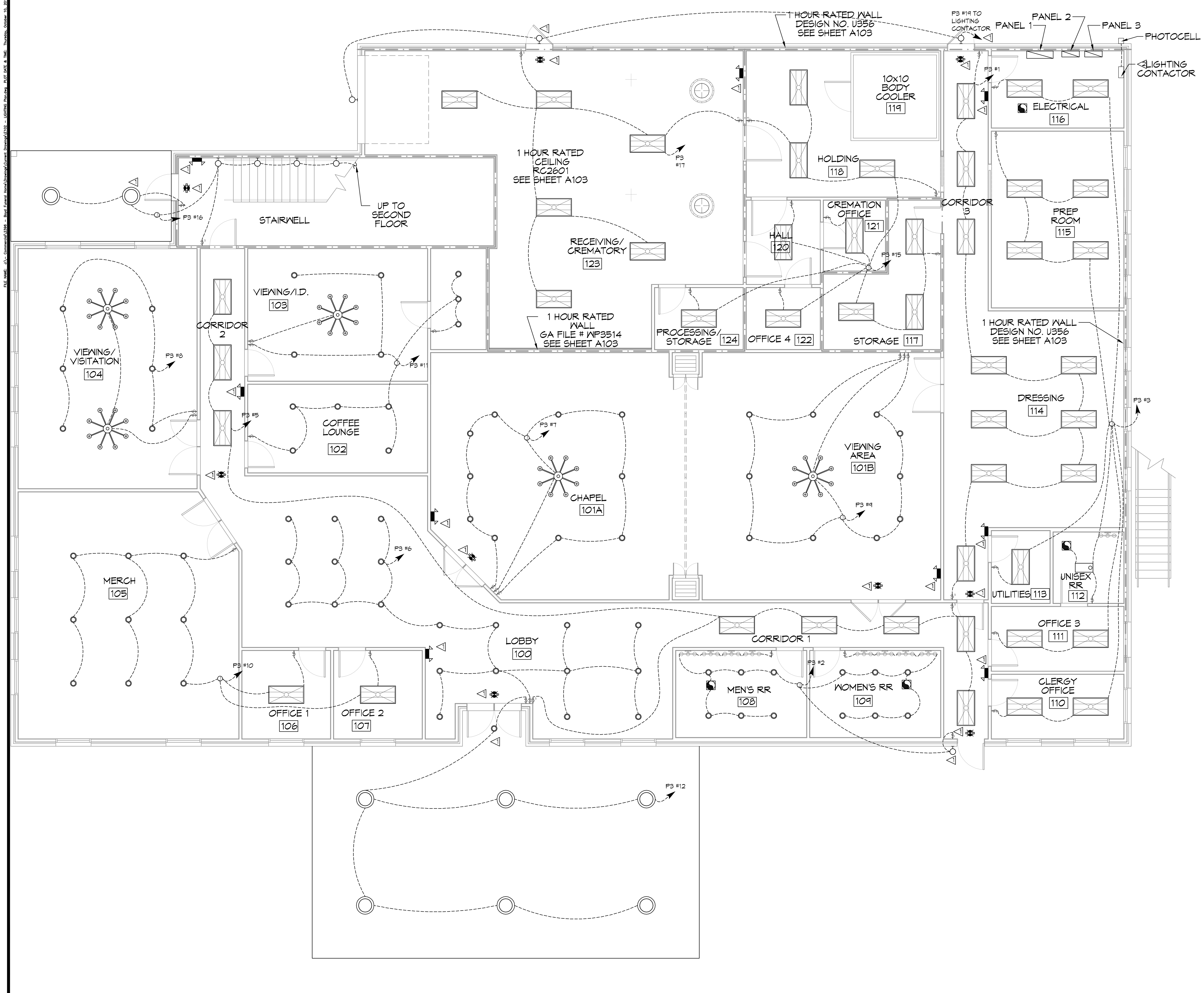


NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2396	DATE: 10-10-2019
DRAWN BY: JAGMW	CHECKED BY: CKD

SHEET TITLE:
FIRST FLOOR POWER PLAN

DRAWING NUMBER:
E101



27 FIRST FLOOR LIGHTING PLAN
SCALE: 1/8"=1'-0"

GENERAL ELECTRIC POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
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9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
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11. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE IN A METAL RACEWAY SYSTEM OR MEDICAL GRADE MC CABLE (NEC ART. 517.13(A)).
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
15. INSTALL SPECIAL PROTECTIVE RECEPTACLE COVERS IN ALL WAITING AREAS OCCUPIED BY CHILDREN 6 YEARS OF AGE AND UNDER.
16. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
17. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
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19. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
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22. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
23. ALL RECEPTACLES AND SWITCHES ARE TO HAVE WEATHER PROOF COVERS IN APPARATUS BAY. 50% OF ALL EXTERIOR WEATHER PROOF COVERS SHALL BE IN-USE COVERS.
24. LIGHT FIXTURE AND/OR RECEPTACLE, LOCATED IN ATTIC.

KEYED NOTES

1. PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP.
2. PROVIDE AND INSTALL 3 POLE LIGHTING CONTACTOR WITH PHOTOCELL FOR OUTSIDE LIGHTS.

LIGHTING LEGEND

- EMERGENCY LIGHT FIXTURE W/ 90 MINUTE BACKUP
- EXIT LIGHT FIXTURE - CEILING MOUNTED W/90 MINUTE BACKUP
- WALL MOUNTED EXTERIOR LIGHT, W/90 MIN BACKUP POWER.
- EXTERIOR SURFACE MOUNTED FIXTURE - FLUORESCENT OR LED
- 1X2 - 2 - FLUORESCENT OR LED; 5800 LUMENS.
- RECESSED LIGHT FIXTURE
- WALL MOUNTED INTERIOR FIXTURE
- 2X4 - 4 - FLUORESCENT OR LED; 5800 LUMENS.
- ELECTRIC PANEL BOARD
- CIRCUIT HOME RUN
- LIGHT SWITCH 120V COMMERCIAL GRADE
- LIGHT SWITCH - DIMMER
- JUNCTION BOX
- EXHAUST FAN - SEE MECH
- 3 BULB LED RESTROOM LIGHT FIXTURE.
- CHANDLER

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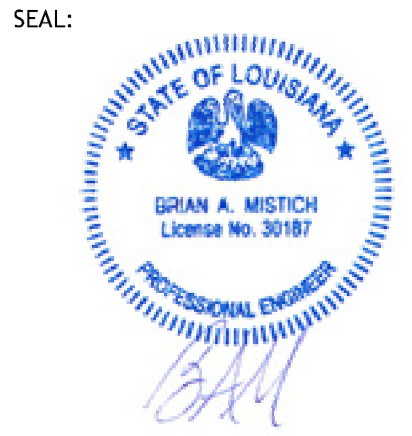
#	DESCRIPTION	DATE
	REVISIONS	

SEAL:

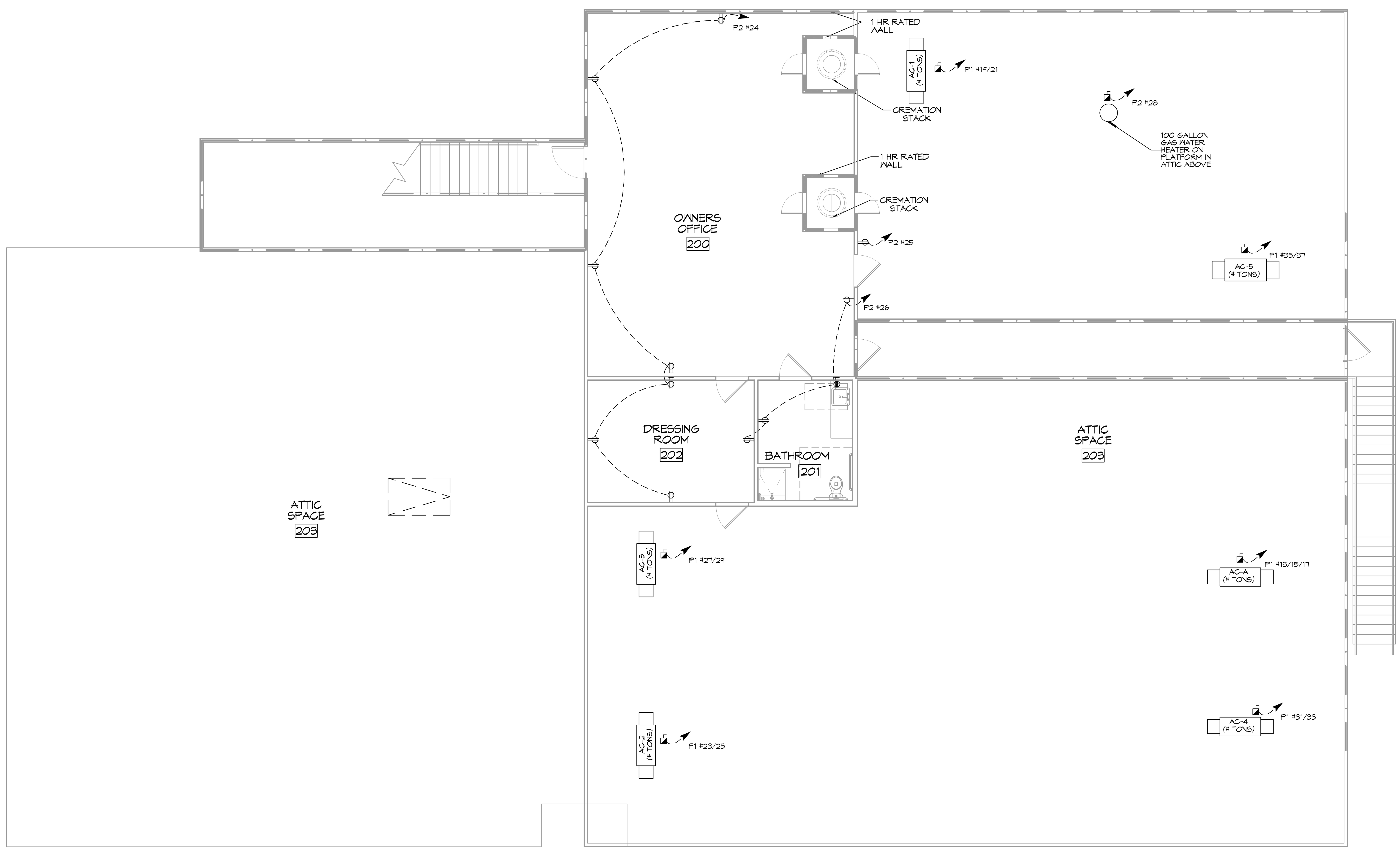


NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2396	DATE: 10-10-2019
DRAWN BY: JAGMW	CHECKED BY: CKD

SHEET TITLE:
FIRST FLOOR LIGHTING PLAN

DRAWING NUMBER:
E102



28 SECOND FLOOR POWER PLAN

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

N

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAGMW	CHECKED BY:	CKD

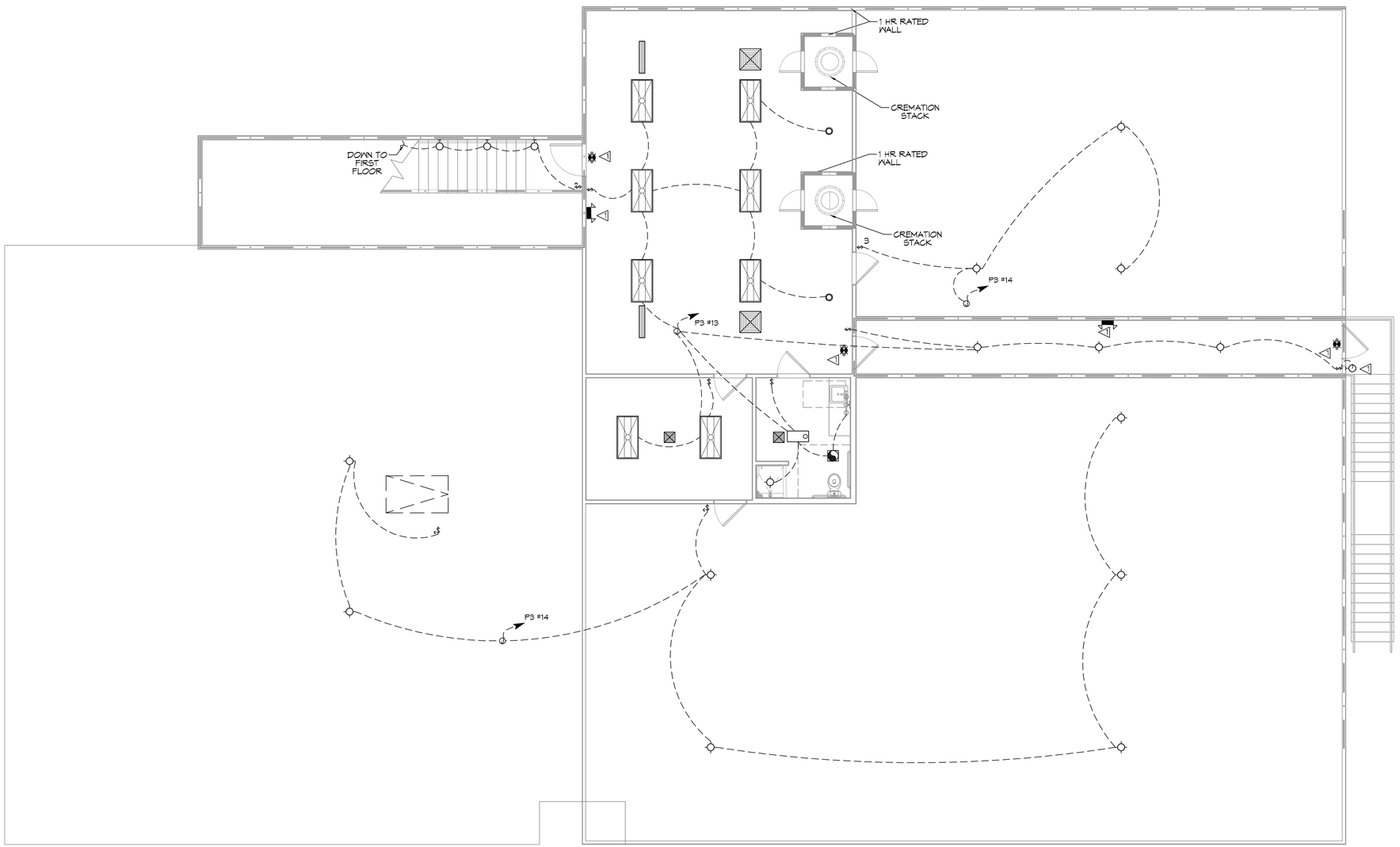
SHEET TITLE:
SECOND FLOOR POWER PLAN

DRAWING NUMBER:

E103

KEYED NOTES

1. PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP.



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

N

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW FUNERAL HOME

BOYD FAMILY FUNERAL HOME

4900 DONNAN ROAD
NEW ORLEANS, LA

JOB No:	2396	DATE:	10-10-2019
DRAWN BY:	JAS/VA	CHECKED BY:	CKD

SHEET TITLE:
SECOND FLOOR LIGHTING PLAN

DRAWING NUMBER:

E104

SHEET No: 22 of # 23

PANEL SCHEDULE

PANEL: P1
LOCATION: ELECTRICAL ROOM AIC = 22,000
FEEDER SOURCE: UTILITY
VOLTAGE: 208/120V, 350A, 3Φ, 4W MAIN BREAKER
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQUARE D, I-LINE PANELBOARD

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1					18070	4800					2
3	250KCM	PANELS "P2" AND "P3"	200	3	17850	4800	3	50	CREMATOR No. 1	#6	4
5					15020	4800					6
7					550	4800					8
9	#12	BODY COOLER	15	3	550	4800	3	50	CREMATOR No. 2	#6	10
11					550	4800					12
13					2500	1300					14
15	#8	HVAC A	40	3	2500	1300	3	30	CONDENSER UNIT A	#6	16
17					2500	1300					18
19	#10	HVAC No. 1	30	2	1800				SPACE		20
21					1800						22
23	#6	HVAC No. 2	50	2	2900				SPACE		24
25					2900						26
27	#10	HVAC No. 3	30	2	1800	820	2	40	CONDENSER UNIT NO. 2	#8	28
29					1800	820					30
31	#6	HVAC No. 4	60	2	3600	460	2	20	CONDENSER UNIT NO. 3	#12	32
33					3600	460					34
35	#8	HVAC No. 5	40	2	2900	820	2	40	CONDENSER UNIT NO. 4	#8	36
37					2900	820					38
39	#12	CONDENSER UNIT No. 1	20	2	460	620	2	30	CONDENSER UNIT NO. 5	#10	40
41					460	620					42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA) = 125,150

AΦ = 44,500 BΦ = 41,360 CΦ = 39,290

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P2
LOCATION: ELECTRICAL ROOM AIC = 22,000
FEEDER SOURCE: PANEL P-1
VOLTAGE: 208/120V, 200A, 3Φ, 4W W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPTACLES, EXTERIOR	20	1	900	1080	1	20	RECEPTACLES, DRESSING ROOM, UTILITIES, OFFICE	#12	2
3	#12	RECEPTACLES, EQUIPMENT AND PREP ROOMS	20	1	1440	1200	1	20	RECEPTACLE, UNISEX REST ROOM	#12	4
5	#12	DEDICATED RECEPTACLE, PREP ROOM	20	1	1200	1080	1	20	RECEPTACLES, OFFICES	#12	6
7	#12	DEDICATED RECEPTACLE, PREP ROOM	20	1	1200	1200	1	20	RECEPTACLE, WOMENS REST ROOM	#12	8
9	#12	DEDICATED RECEPTACLE, DRESSING ROOM	20	1	1200	1200	1	20	RECEPTACLE, MENS REST ROOM	#12	10
11	#12	DEDICATED RECEPTACLE, DRESSING ROOM	20	1	1200	1200	1	20	RECEPTACLES, CHAPEL AND VIEWING AREA	#12	12
13	#12	RECEPTACLES, HOLDING AND CREMATION OFFICE	20	1	1080	1080	1	20	RECEPTACLES, OFFICE 2 AND LOBBY	#12	14
15	#12	RECEPTACLES, PROCESSING AREA, OFFICE AND STORAGE	20	1	900	1080	1	20	RECEPTACLES, OFFICE 1 AND OFFICE 2	#12	16
17	#12	RECEPTACLES, MERCH ROOM	20	1	1080	900	1	20	RECEPTACLES, COFFEE LOUNGE	#12	18
19	#12	RECEPTACLES, VISITATION AND VIEWING ROOM	20	1	1080	1500	1	20	DEDICATED RECEPTACLE, COFFEE LOUNGE	#12	20
21	#12	RECEPTACLES, VIEWING AND ID ROOM	20	1	1080	1500	1	20	DEDICATED RECEPTACLE, COFFEE LOUNGE	#12	22
23	#12	RECEPTACLES, RECEIVING/ CREMATORY	20	1	900	1260	1	20	RECEPTACLES, OWNER'S OFFICE SECOND FLOOR	#12	24
25	#12	RECEPTACLES, ATTIC	20	1	1260	720	1	20	RECEPTACLES, BATHROOM SECOND FLOOR	#12	26
27	#12	CONTROL POWER TO CREMATOR No. 1	15	1	500	500	1	15	WATER HEATER	#12	28
29	#12	CONTROL POWER TO CREMATOR No. 2	15	1	500						30
31	#12	BODY COOLER, EVAPORATOR AND LIGHTS	20	1	500						32
33	#10	30A RECEPTACLE FOR PROCESSING STATION	30	1	2500						34
35	#12	CONTROL POWER TO KEY SWITCH CREMATOR VIEWING ROOM	15	1	500						36
37											38
39											40
41											42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA) = 33,840

AΦ = 11,420 BΦ = 12,600 CΦ = 9,820

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P3
LOCATION: ELECTRICAL ROOM AIC = 22,000
FEEDER SOURCE: PANEL P1
VOLTAGE: 208/120V, 200A, 3Φ, 4W W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

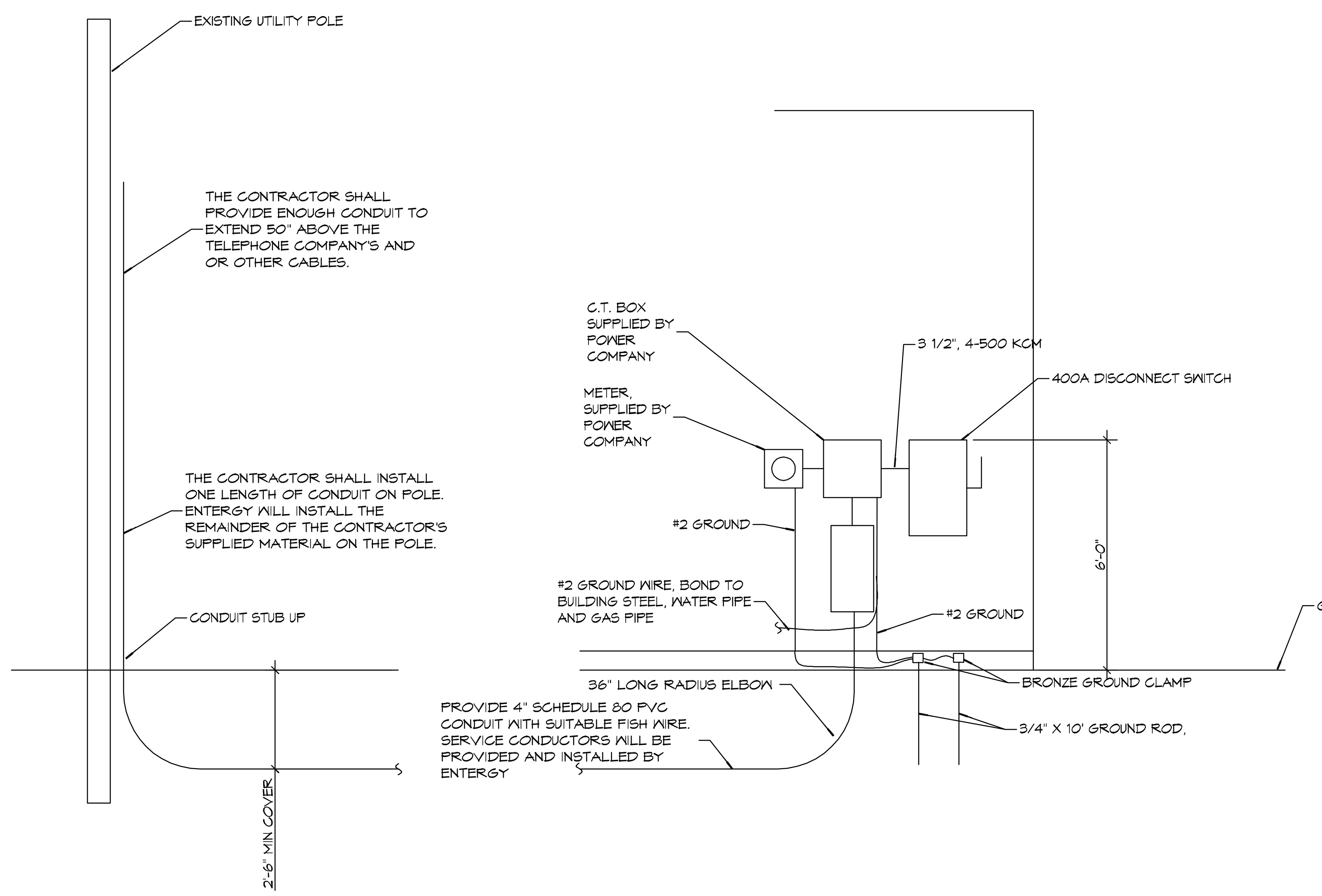
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	LIGHTING, DRESSING ROOM AND CORRIDOR	20	1	1000	1500	1	20	LIGHTNG, RESTROOMS	#12	2
3	#12	LIGHTING, ELECTRICAL ROOM UNISEX RESTROOM AND OFFICES	20	1	1100	400	1	20	SPARE	#12	4
5	#12	LIGHTING, CORRIDOR	20	1	800	1000	1	20	LIGHTING, LOBBY	#12	6
7	#12	LIGHTING, VIEWING ROOM A	20	1	1100	1300	1	20	LIGHTING, VIEWING VISITATION ROOM	#12	8
9	#12	LIGHTING, VIEWING ROOM B	20	1	1100	900	1	20	LIGHTING, MERCH ROOM AND OFFICES	#12	10
11	#12	LIGHTING, VIEWING ID ROOM AND COFFEE LOUNGE	20	1	1600	900	1	20	LIGHTING, FRONT PORCH	#12	12
13	#12	LIGHTING, SECOND FLOOR	20	1	1200	400	1	20	LIGHTING, ATTIC	#12	14
15	#12	LIGHTING, HOLDING, OFFICES, STORAGE ROOM	20	1	1000	300	1	20	LIGHTING, REAR PORCH AND STAIRS	#12	16
17	#12	LIGHTING, RECEIVING, CREMATORY	20	1	600						18
19	#12	OUTSIDE LIGHTING, REAR THROUGH LIGHTING CONTACTOR	20	1	150						20
21	#10	PARKING LOT LIGHTS THROUGH LIGHTING CONTACTOR	20	2	450						22
23					450						24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA) = 17,100

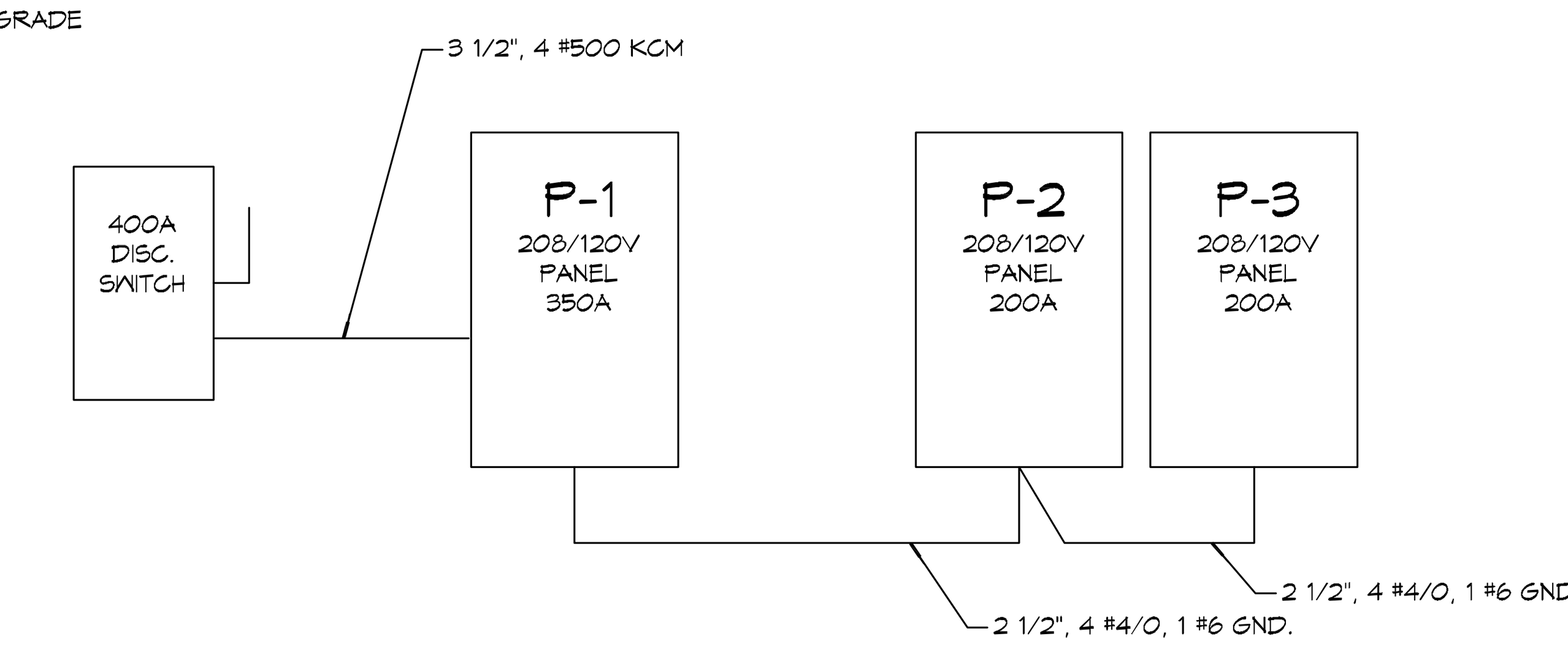
AΦ = 6,650 BΦ = 5,250 CΦ = 5,200

GROUND BUS
GROUND WIRE (G)



SERVICE ENTRANCE

SCALE: NONE



RISER DIAGRAM

SCALE: NONE

ELECTRICAL LOAD SUMMARY

ENTERGY POWER COMPANY

PROJECT NAME: BOYD FAMILY FUNERAL HOME
PROJECT ADDRESS: 4800 DOWNMAN ROAD
CITY/TOWN: NEW ORLEANS, LOUISIANA
INTENDED USER: BOYD

REQ SERV: 208 V 3 PHASE 4 WIRES
SERV ENTR SIZE: 350 AMPS
HVAC TONNAGE: 26 TONS
LARGEST MOTOR: HP

(NOTE: MOTORS ABOVE 20HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE W/ 120/240V, 1Φ, 3W SERVICE)

TOTAL BUILDING SQ FT: 11000 SF
INDIVIDUAL UNIT SQUARE FOOTAGE: SF (MULT OCCUPANCY)
INDIVUDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

LOAD SOURCE	1Φ-KVA	3Φ-KVA	OR	1Φ-KW	3Φ-KW
BUILDING LIGHTING	17.1				
ELECTRIC WATER HEATING	0.0				
HEAT PUMPS		4.0			
SUPPLEMENTAL HEAT SYSTEMS		7.5			
AIR COND CONDENSING UNITS	6.3				
ELEC HEATING (PRIMARY) - AHU's	26				
COOKING	N/A				
REFRIGERATION	1.6				
RECEPTACLES (STANDARD)	33.6				
RECEPTACLES (COMPUTER)	0				
TOTAL MOTORS (EXCLUDE HVAC)	0				
EXTERIOR LIGHTING	1.0				
MISCELLANEOUS - CEILING FANS	32.5				
OTHER (POOL EQUIPMENT, TENNANT)	0				

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REVISIONS

#	DESCRIPTION	DATE

SEAL:
STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW FUNERAL HOME
BOYD FAMILY FUNERAL HOME
4800 DOWNMAN ROAD
NEW ORLEANS, LA

JOB No: 2396 DATE: 10-10-2019
DRAWN BY: AP/JAGMW CHECKED BY: AP

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:
E105