

# PRIVATE RESIDENCE

## MASTER FIRST FLOOR DUPLEX

### SL 186 - 187 LARIMAR DEVELOPMENT, WILLOWICK, OH

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#### CODES:

2019 RESIDENTIAL CODE OF OHIO (RCO)  
2017 NATIONAL ELECTRICAL CODE (NEC)

#### MATERIAL DESIGN STRESSES:

ALL LUMBER USED FOR FRAMING SHALL BE OF THE FOLLOWING MINIMUM ALLOWABLE DESIGN STRESSES:

FRAMING MEMBER	Fb	Fv	Fc	E
WOOD BEAMS & HDRS.	875	95	725	1,400,000
WOOD JOISTS	875/1000*	70	725	1,300,000
WD. STUDS & MISC. FR.	500/575*	70	450	1,200,000

\*Fb = FOR REPETITIVE MEMBER USE.

#### DESIGN LOADS:

1st & 2nd FLOOR LIVE LOAD:	40 psf
FLOOR DEAD LOAD:	10 psf
BALCONY & DECKS LIVE LOAD:	40 psf
GUARDRAILS LIVE LOAD:	200 psf
ROOF LIVE LOAD:	20 psf
ROOF SNOW LOAD:	30 psf
WIND LOAD:	20 psf

#### CLIMATIC DESIGN CRITERIA:

FROST LINE DEPTH: 42"  
TERMITE: MODERATE to HEAVY

HVAC & ELECTRICAL SYMBOL LEGEND	
	AIR SUPPLY
	RETURN AIR
	110 V. DUPLEX OUTLET
	110 V. GROUND FAULT CIRCUIT INTERRUPTER
	110 V. WATERPROOF DUPLEX OUTLET
	SWITCH - SINGLE POLE; 3-WAY, 4-WAY, 5-WAY
	110 V. INCANDESCENT - RECESSED
	110 V. INCANDESCENT - CEILING MOUNTED
	110 V. CEILING FAN
	110 V. INCANDESCENT - WALL MOUNT
	110 V. EXHAUST FAN
	110 V. EXHAUST FAN W/ LIGHT
	CARBON MONOXIDE DETECTOR
	SMOKE DETECTOR

\* ALL EXHAUST FANS TO TERMINATE IN EXTERIOR FITTING.

#### NOTE:

ELECTRICAL PLANS ARE SCHEMATIC AND FOR BIDDING PURPOSES ONLY. OWNER TO SELECT AND COORDINATE FINAL TELEPHONE OUTLET, CABLE OUTLET, COMPUTER LINES, AND LIGHTING TYPES AND LOCATIONS W/ ELECTRICAL CONTRACTOR.

#### ELECTRICAL GENERAL NOTES

##### GUARANTEE

THE CONTRACTOR GUARANTEES BY HIS ACCEPTANCE OF THE CONTRACT THAT THE WORK INSTALLED WILL BE FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP, EQUIPMENT, MATERIALS, AND THAT ALL APPARATUS WILL DEVELOP CHARACTERISTICS SPECIFIED. IF ANY SUCH DEFECTS APPEAR WITHIN (1) ONE YEAR THE CONTRACTOR WILL, WITHOUT COST TO THE OWNER, REMEDY SUCH DEFECTS WITHIN A REASONABLE TIME, TO BE SPECIFIED IN NOTICE FROM THE OWNER. IN DEFAULT THEREOF, THE OWNER MAY HAVE SUCH WORK PERFORMED AND CHARGE THE COST TO THE CONTRACTOR. THE (1) ONE YEAR GUARANTEE PERIOD ON THE WORKMANSHIP AND EQUIPMENT OPERATION SHALL START FROM THE DATE OF APPROVED FINAL PAYMENT BY THE OWNER.

##### ELECTRICAL NOTES

FURNISH ALL LABOR, MATERIALS AND INCIDENTALS NECESSARY FOR THE INSTALLATION OF ELECTRICAL SERVICE, AS SHOWN ON THE DRAWINGS, HEREIN SPECIFIED, OR OTHERWISE REQUIRED FOR A FINISHED AND COMPLETE PROJECT INCLUDING PANEL BOARDS, WIRING, RECEPTACLES, SWITCHES, LIGHTING FIXTURES, WIRING AND HOOK-UP TO EXHAUST FANS, CABLE TV OUTLETS, TELEPHONE JACKS, AND MECHANICAL EQUIPMENT.

INSTALL ALL WORK IN FULL COMPLIANCE WITH ALL LOCAL AND STATE CODES AND REGULATIONS, IN PARTICULAR THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION. OBTAIN ALL NECESSARY PERMITS, LICENSES, INSPECTIONS AND CERTIFICATES, AS REQUIRED TO MEET MUNICIPAL AND UTILITY REQUIREMENTS.

DRILLING, BORING OR NOTCHING FOR THE INSTALLATION OF ELECTRICAL WORK MUST MAINTAIN THE STRUCTURAL INTEGRITY OF THE BUILDING. NOTCHING OR BORING OF JOISTS IN THE MIDDLE THIRD OF SPAN IS PROHIBITED.

ALL CIRCUITS EXCEPT KITCHEN & BATH TO BE ON ARC FAULT BREAKERS.

ALL ELECTRICAL OUTLETS TO BE TEMPER-RESISTANT

OUTLET REQUIREMENTS & SPACING TO BE APPROVED IN FIELD.

GFI OUTLETS AT KITCHEN AND BATHROOM COUNTERS TO BE MOUNTED CENTERLINE AT 44" A.F.F.

EXTERIOR AND GARAGE OUTLETS TO BE MOUNTED CENTERLINE AT 20" A.F.F. (CONC.)

ALL OTHER OUTLETS TO BE MOUNTED 10" A.F.F.

LOCATION OF TV AND TELEPHONE JACKS TO BE VERIFIED BY OWNER.

SMOKE DETECTORS SHALL BE INSTALLED IN BEDROOMS, FOYER AND HALLS AT THE HIGHEST PART OF THE CEILING.

SMOKE DETECTORS SHALL BE INTERCONNECTED AND BATTERY BACKUP SHALL BE PROVIDED PER ORCO R313

CARBON MONOXIDE DETECTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

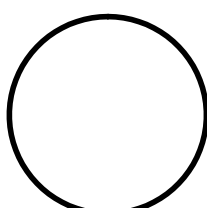
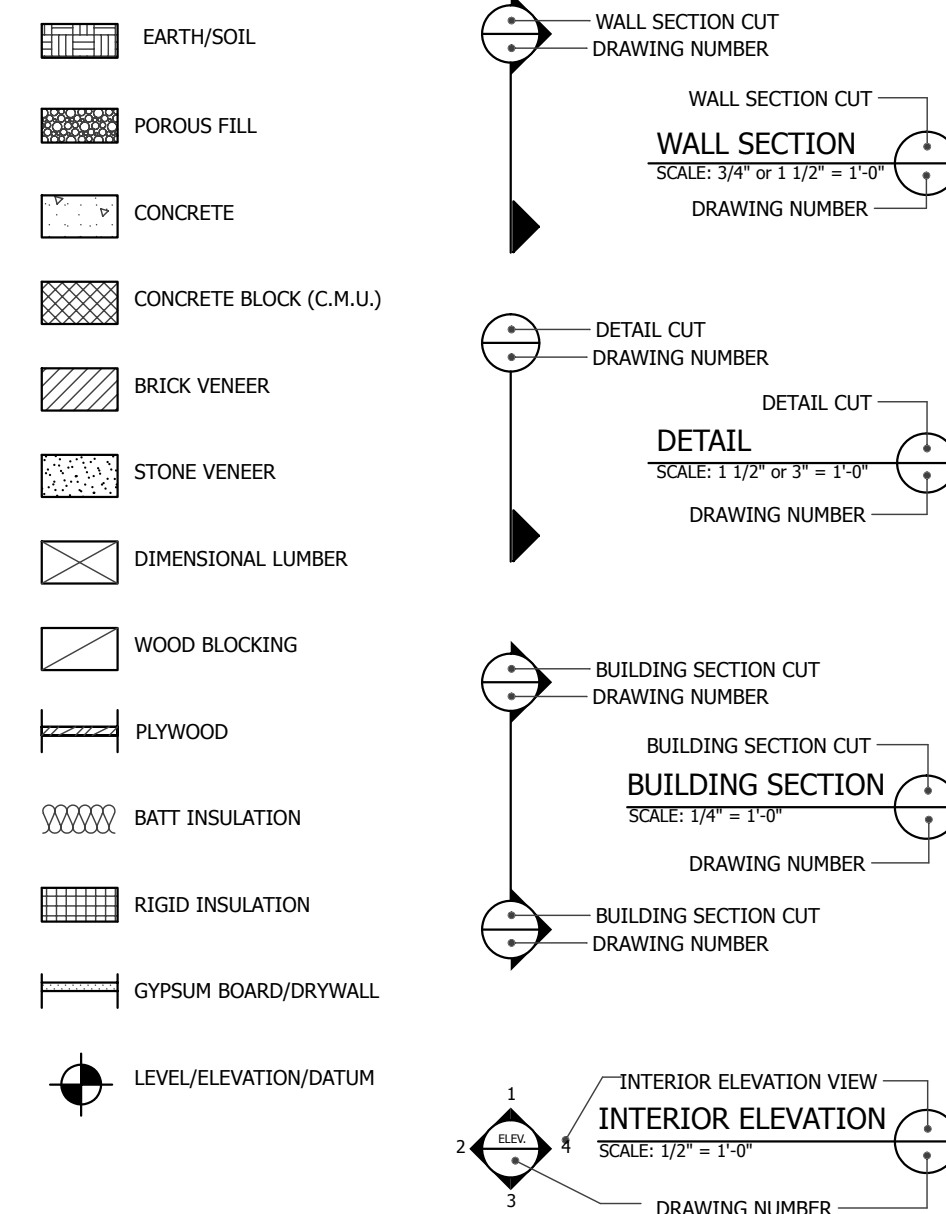
MAINTAIN PROPOSER CLEARANCE TO ALL ELECTRICAL DISCONNECTS.

## STRUCTURAL ENGINEERING:



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#### KEY TO SYMBOLS:



WAP  
CONSTRUCTION

LOCATION  
LARIMAR  
186 - 187

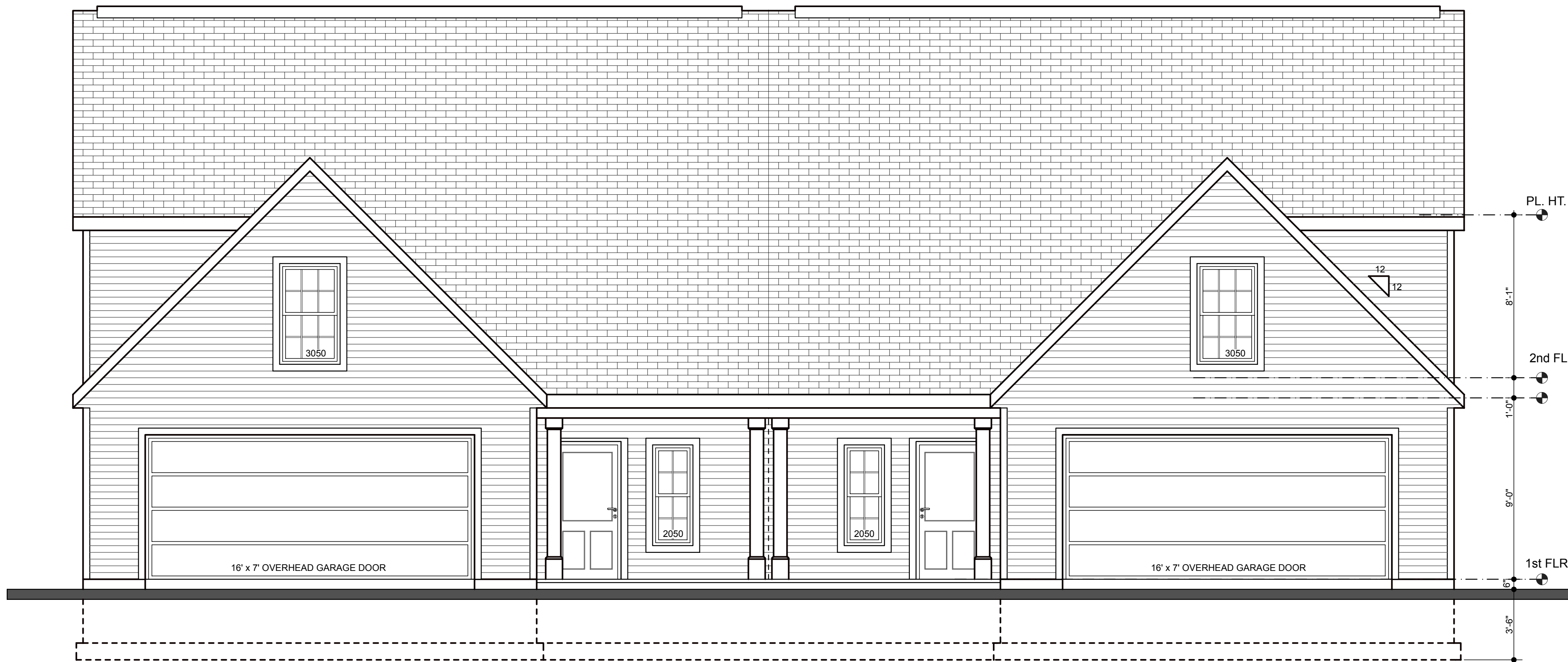
RESIDENCE FOR  
MASTER FIRST FLOOR DUPLEX

DRAWN  
BY

DATES

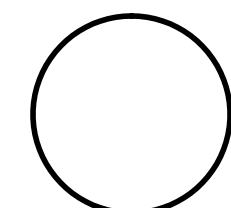
SHEET

CS



**FRONT ELEVATION**

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



**WAP  
CONSTRUCTION**

**LOCATION**  
LARIMAR  
186 - 187

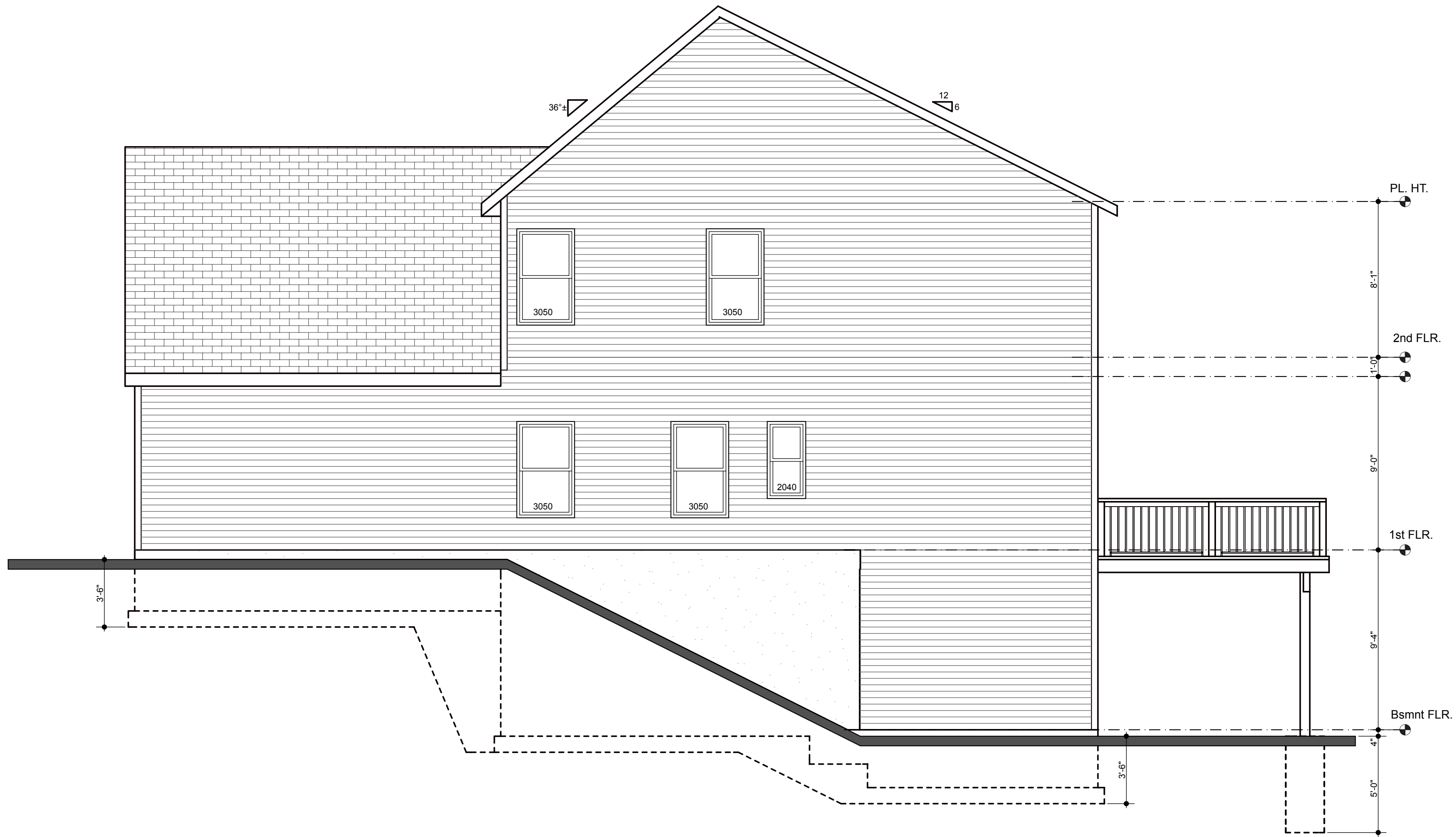
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**DRAWN  
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**DATES**

**SHEET**

**1**



**RIGHT ELEVATION**

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

**WAP  
CONSTRUCTION**

**LOCATION**  
LARIMAR  
186 - 187

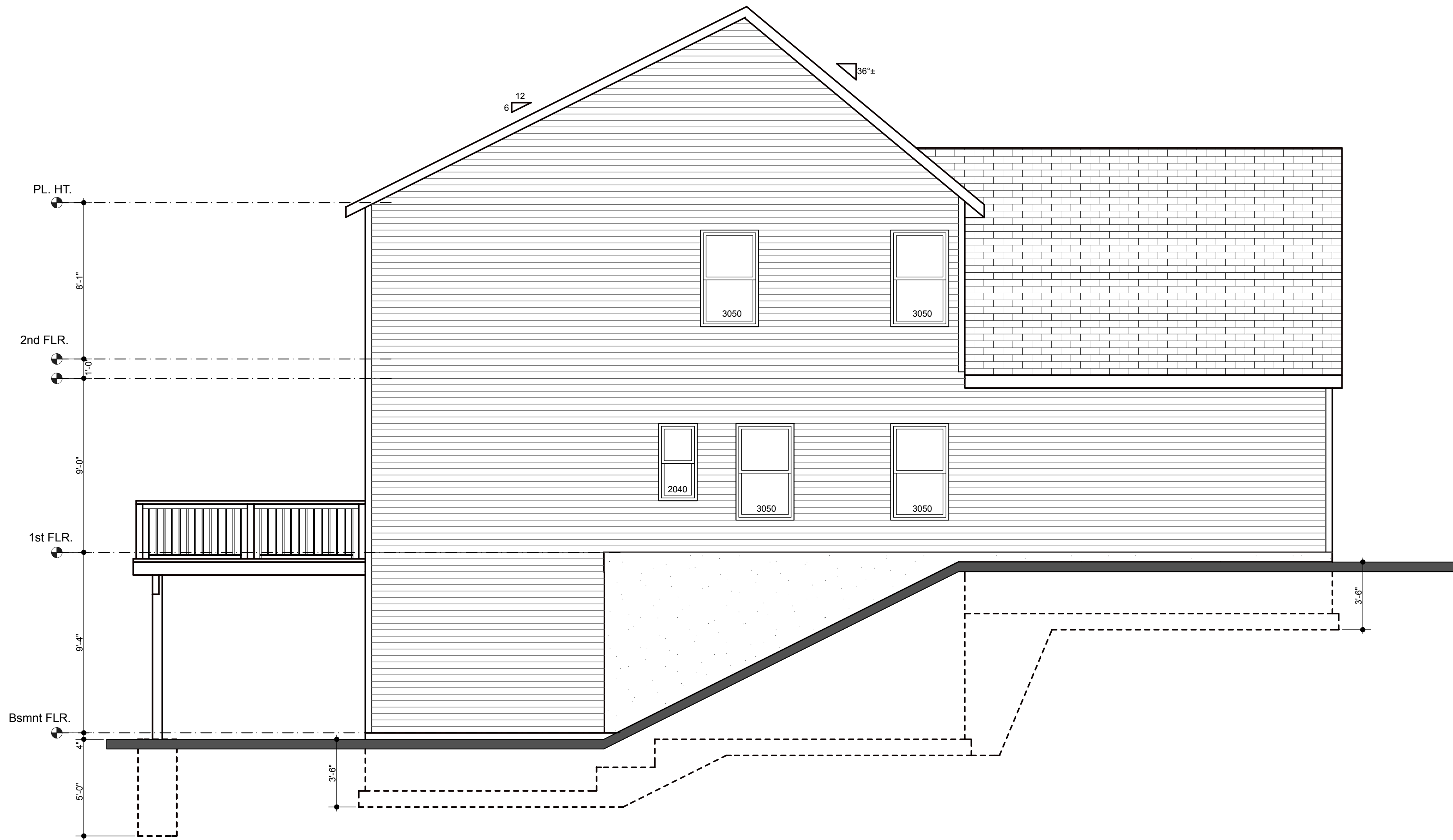
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**DATES**

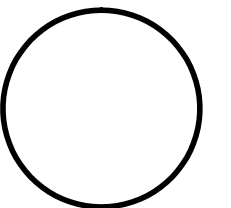
**SHEET**

**2**



**LEFT ELEVATION**

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



**WAP  
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**LOCATION**  
LARIMAR  
186 - 187

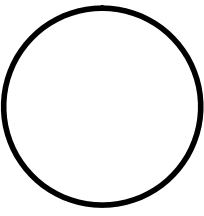
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**DATES**

**SHEET**

**3**



WAP  
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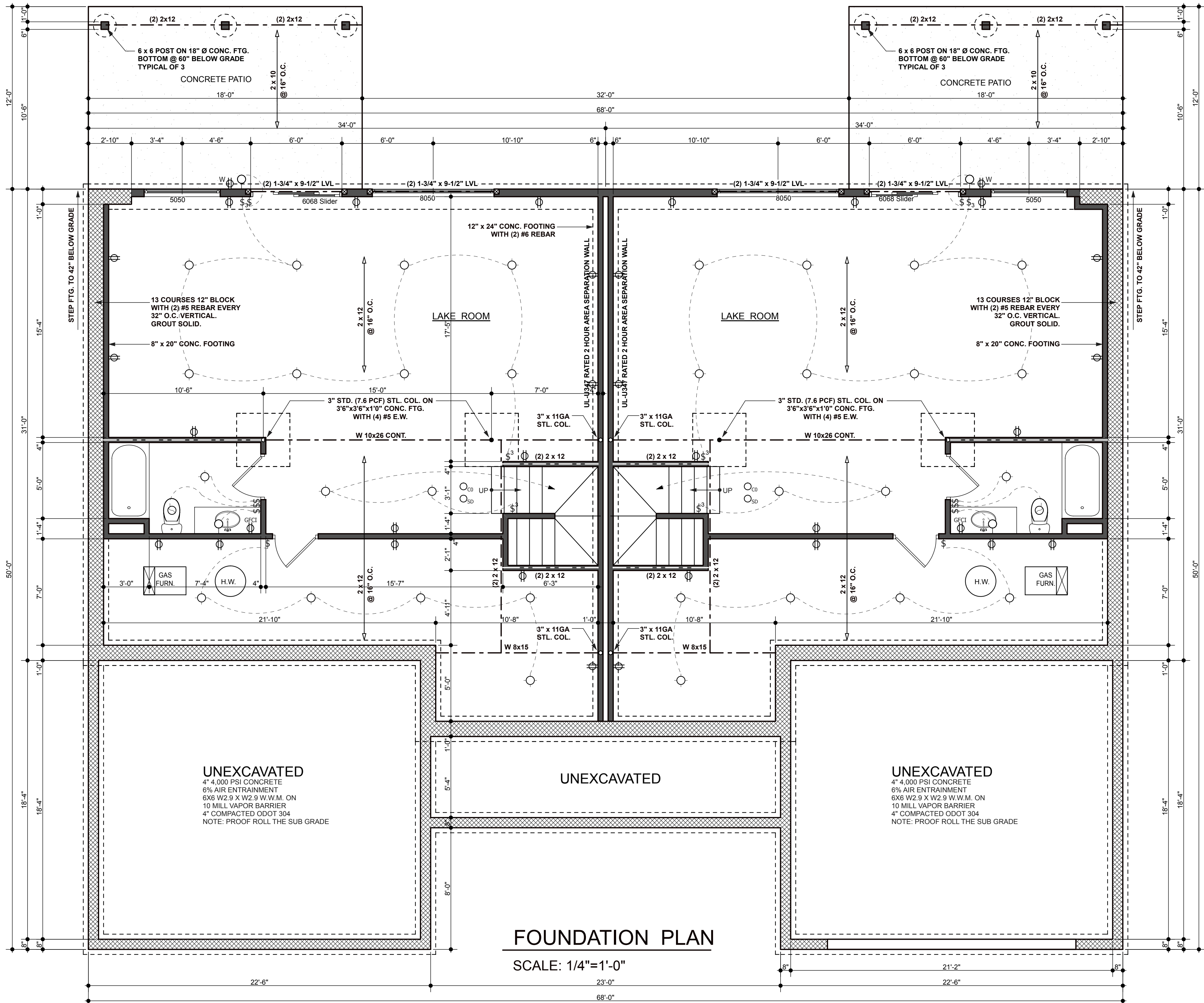
SHEET

4



REAR ELEVATION

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



**FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"

WAP

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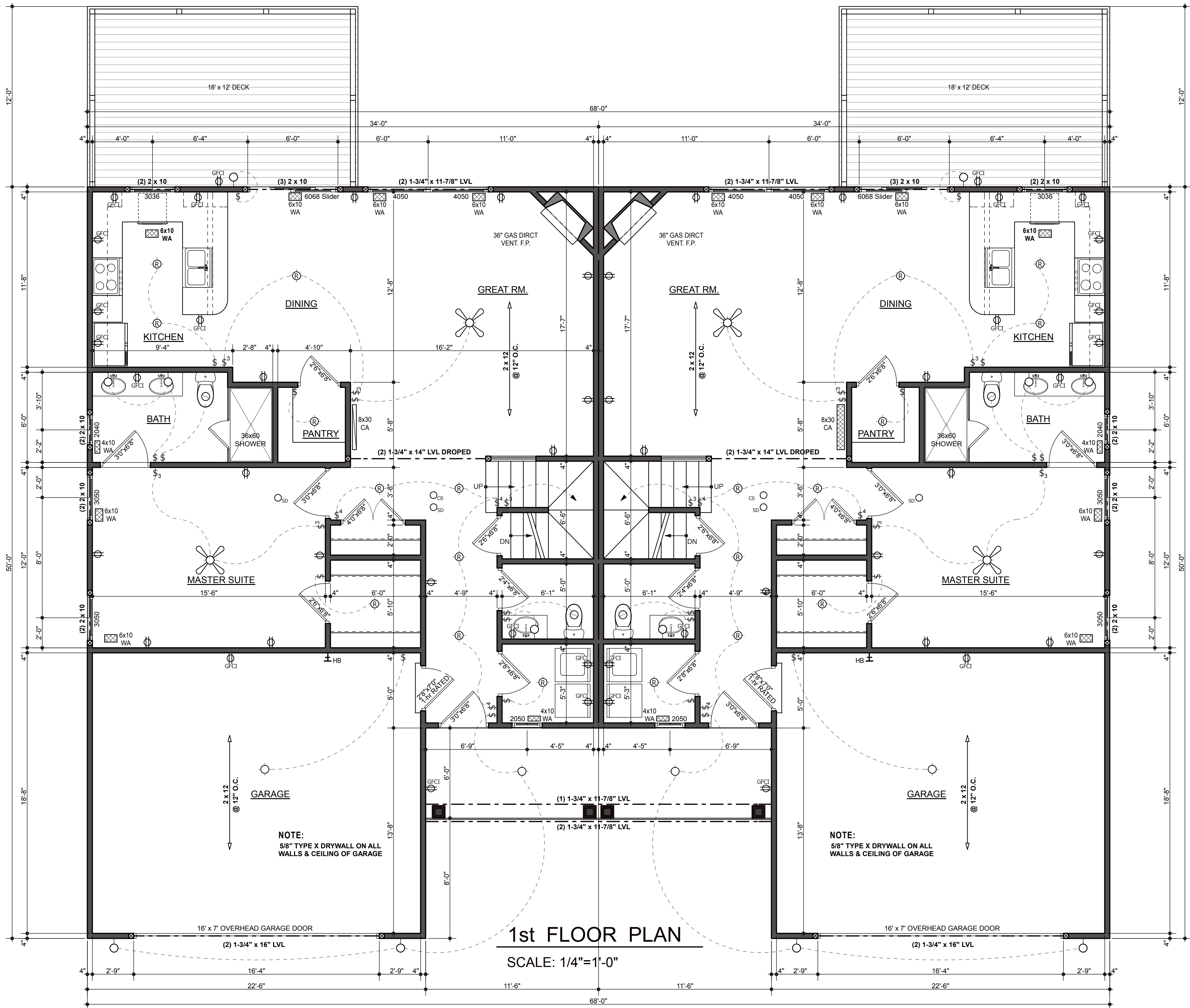
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SHEET

5



1st FLOOR PLAN

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

WAP

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186 - 187

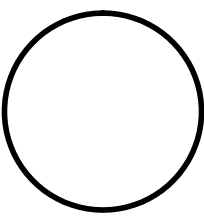
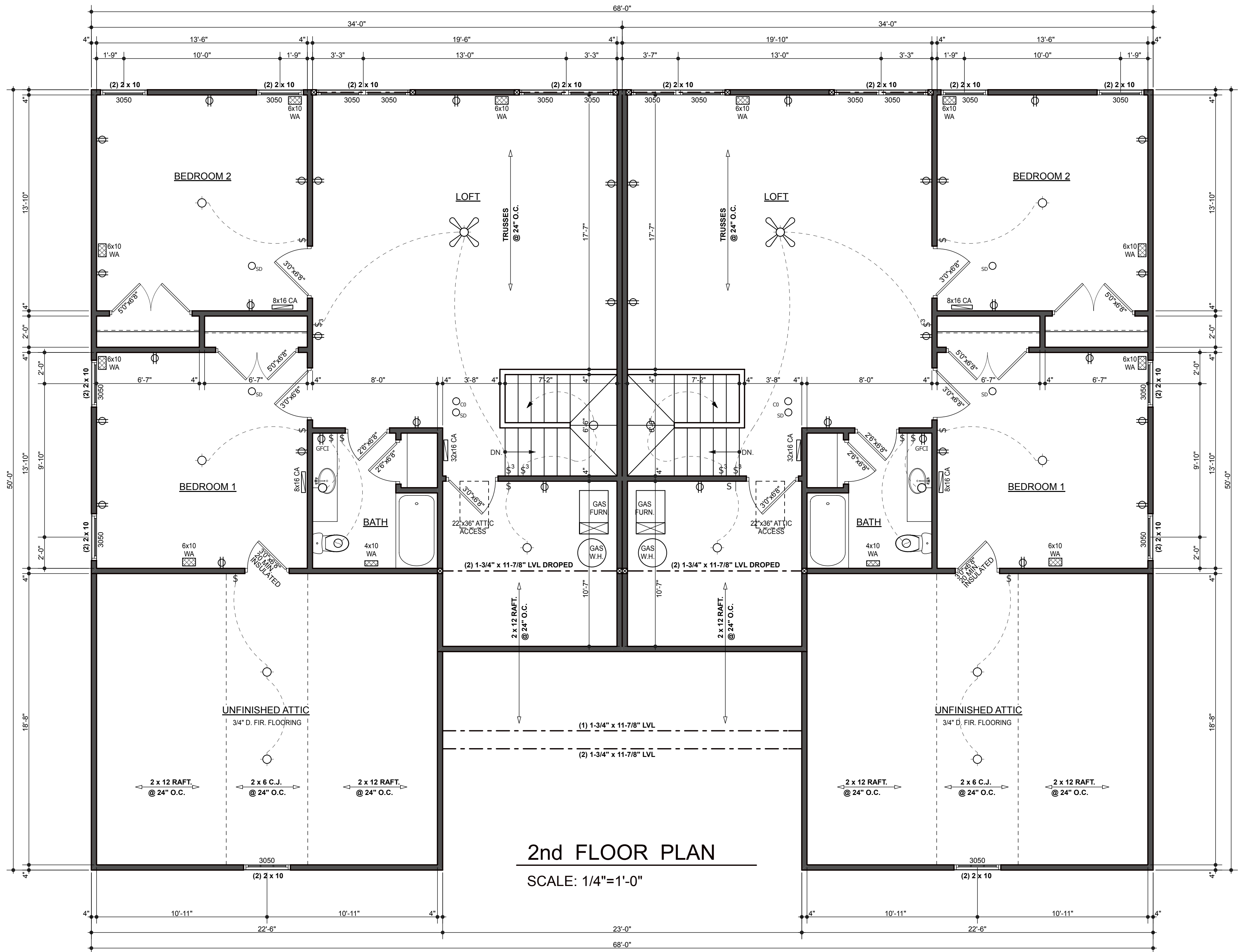
RESIDENCE FOR  
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DRAWN BY

DATES

SHEET

6



**WAP CONSTRUCTION**

**LOCATION**  
LARIMAR  
186 - 187

**RESIDENCE FOR**  
MASTER FIRST FLOOR DUPLEX

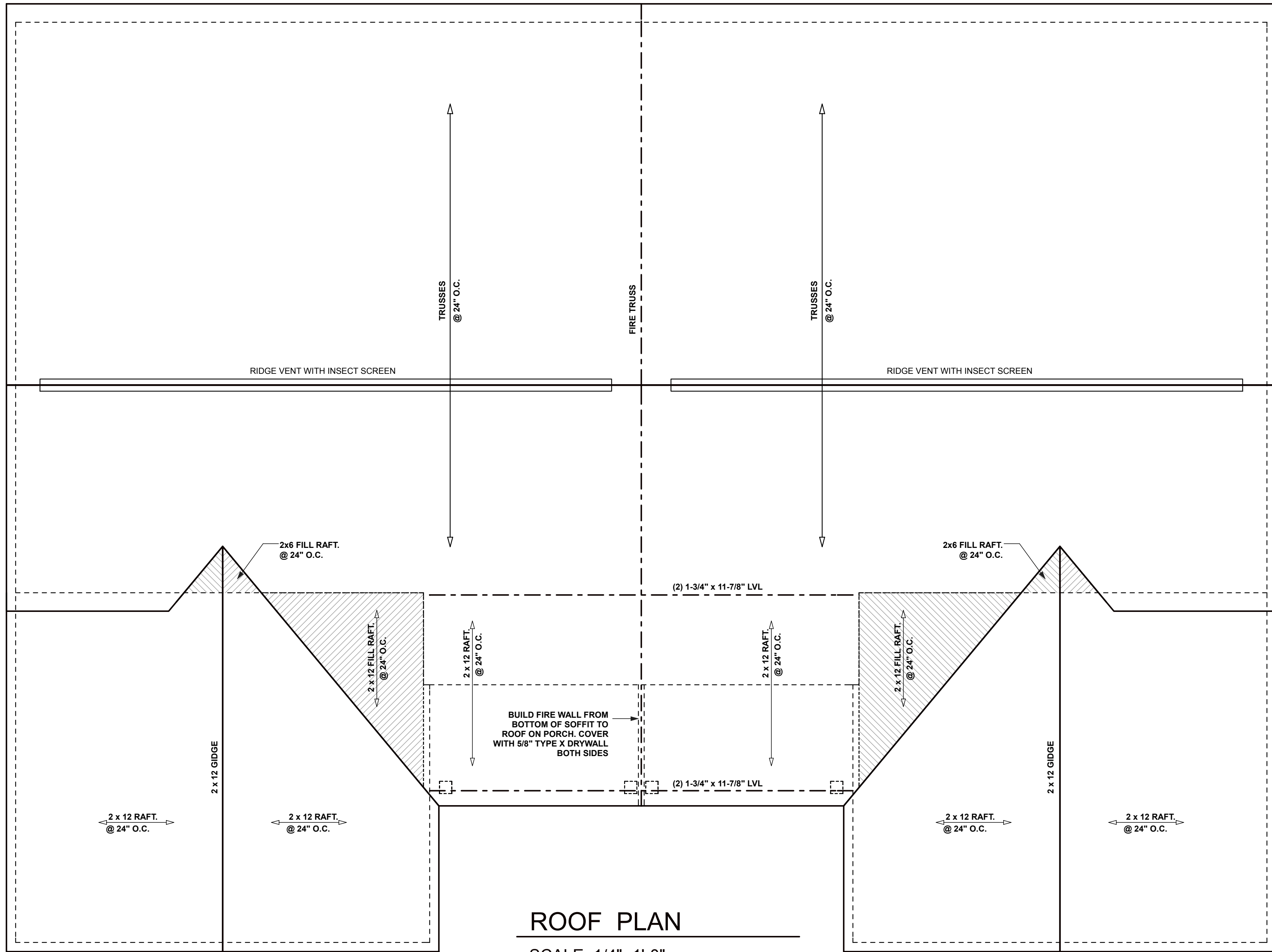
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**DATES**

**SHEET**

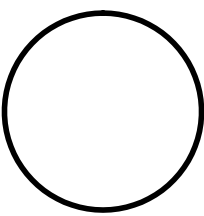
**7**





**ROOF PLAN**

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



**WAP  
CONSTRUCTION**

**LOCATION**  
LARIMAR  
186 - 187

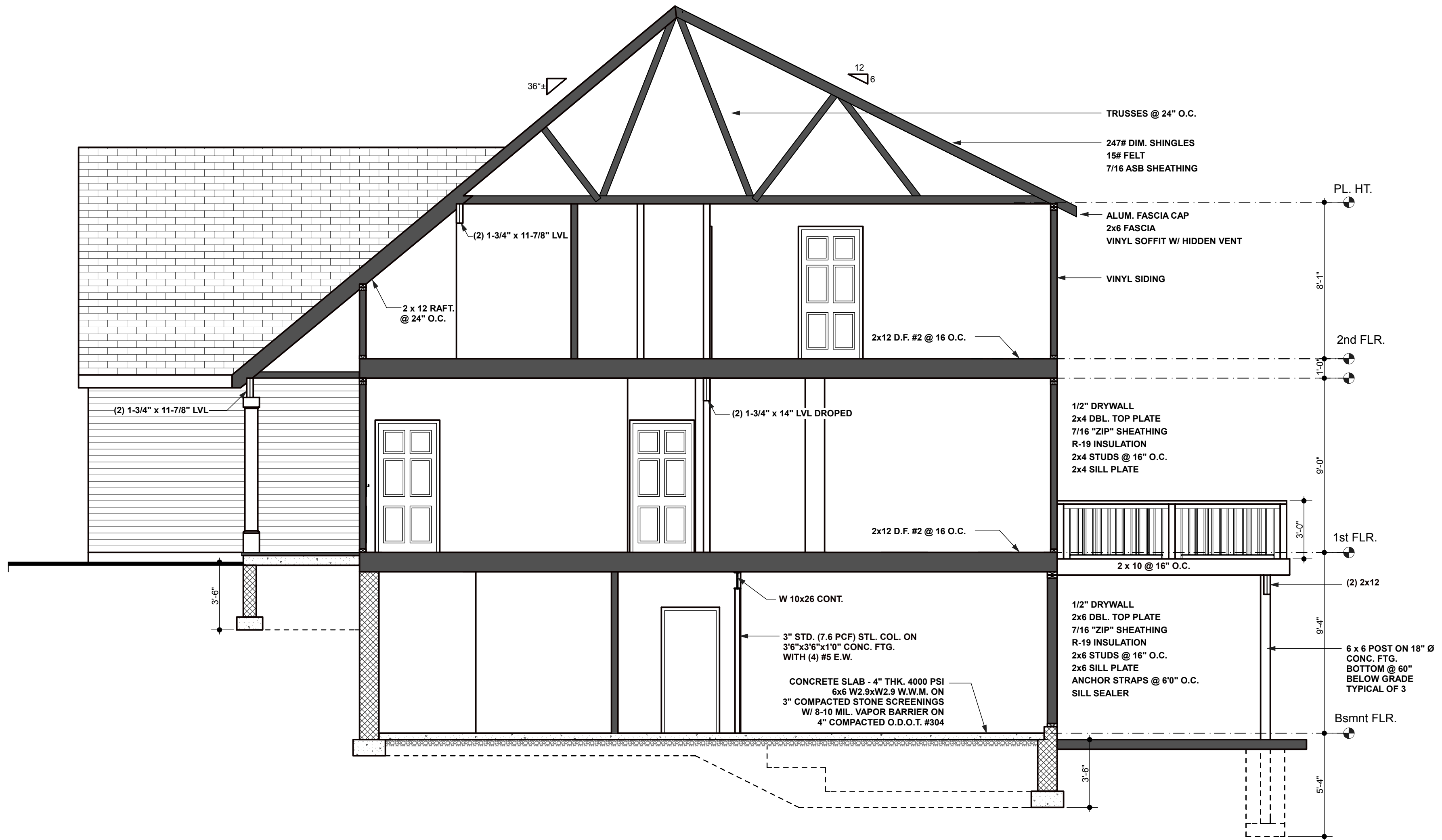
**RESIDENCE FOR**  
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**SHEET**

**8**



# BUILDING SECTION

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

WAP  
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DRAWN  
BY

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SHEET

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