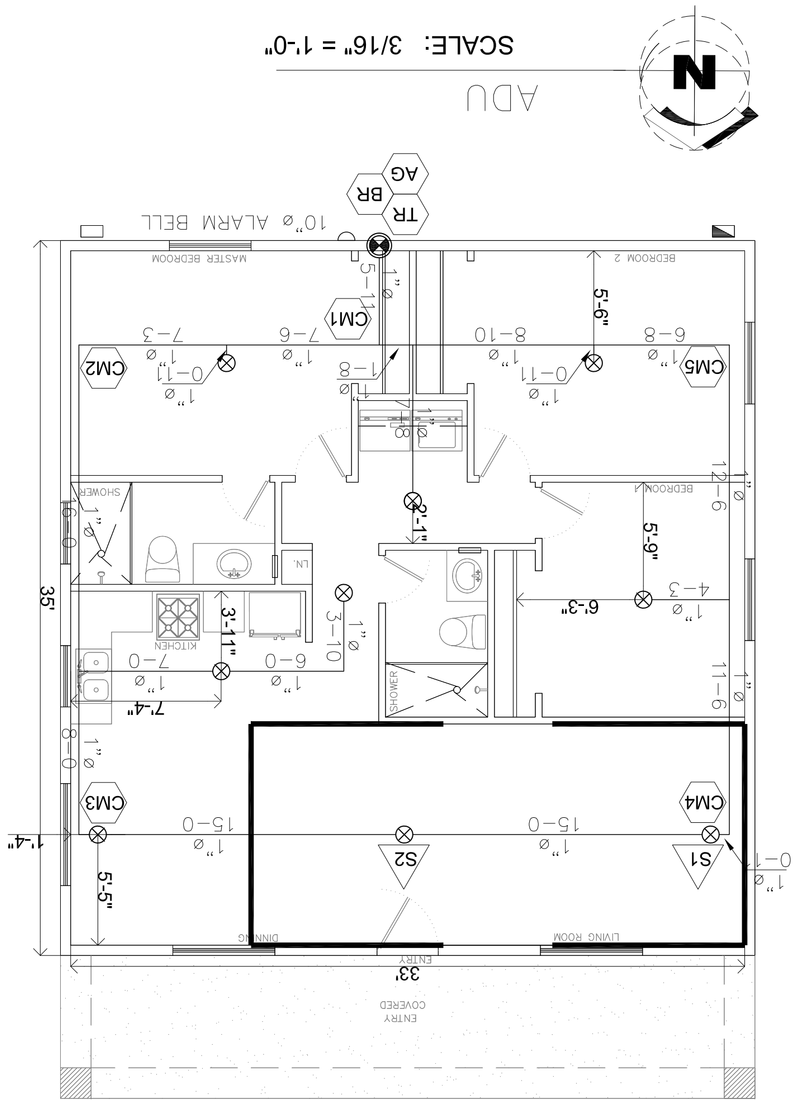
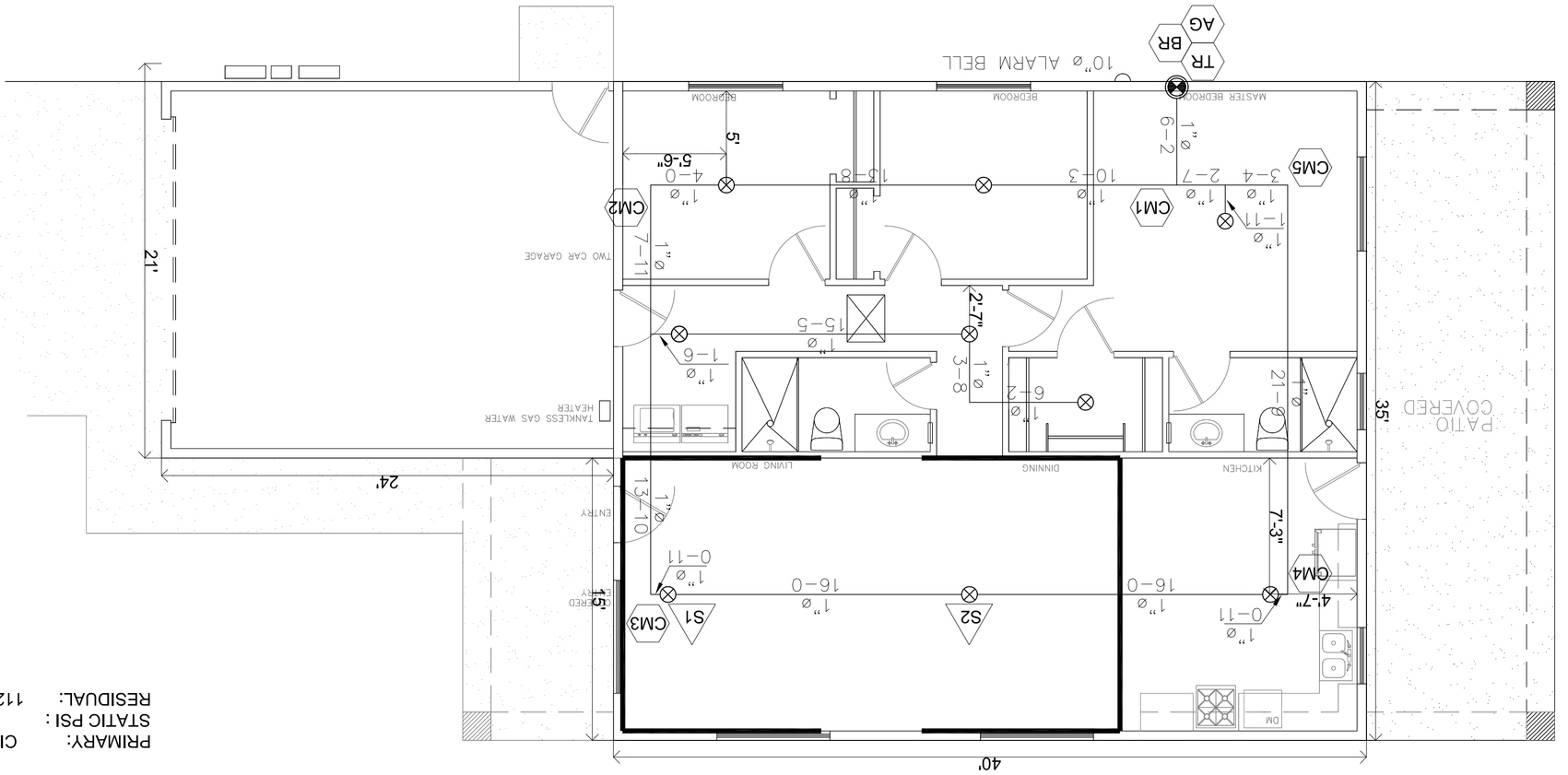




SEE NOTE 2 - FOR MECHANICAL CLOSETS

FIRE SPRINKLER LEGEND

SYMBOL	MANUFACTURER	MODEL	SIN	TYPE	NPT	ORIFICE	K-FACTOR	TEMP	FINISH	ESCUTCHEON	QUANTITY
⊗	TYCO	LFII	TY2234	SEMI-RECESSED PENDENT	1/2"	-	K-4.9	155°F	WHITE	WHITE	016

TOTAL SPRINKLERS IN THIS PLAN 016

HYDRAULIC INFORMATION	NEW RESIDENCE	ADU
AREA PER SPRINKLER	192	131
CALCULATED AREA	384	262
DENSITY	.068	.099
SPRINKLERS CALCULATED	2	2
SPRINKLER FLOW	25.9	25.9
HOSE STREAM	–	–
WATER REQUIRED	25.9	25.9
RQ'D PRESSURE	50.9	59.3
CUSHION PRESSURE	17.1	8.6

	SQ.FT. MAX	SQ.FT.	GPM/SQ.FT.	
	131	262	.099	2
	25.9	25.9	–	–
	25.9	59.3	25.9	
	17.1	8.6		

DESIGN CRITERIA

PROVIDE A WET SYSTEM WITH A MINIMUM DENSITY OF 0.05 GPM/SQ.FT. IN THE TWO MOST HYDRAULIC REMOTE SPRINKLERS USING STANDARD RESPONSE SPRINKLERS 155°F/175°F TEMP.1/2" NPT, K-4.9 FACTOR, RESIDENTIAL SEMI-RECESSED PENDENT STYLE. 16' SPACING MAXIMUM, 256 FT² MAXIMUM PER HEAD, HEADS AREA TO BE LOCATED NO FURTHER THAN 8 FT FROM ANY WALL AND NO CLOSER THAN 8 FT BETWEEN SPRINKLERS. HYDRAULICALLY DESIGNED WITH TWO HEADS FLOWING.

1.- SPRINKLER SHALL NOT BE REQUIRED IN ATTICS, CONCEALED SPACES DEDICATED EXCLUSIVELY TO AND CONTAINING ONLY DWELLING UNIT VENTILATION EQUIPMENT, FLOOR/CEILING SPACES, CRAWL SPACES, AND OTHER CONCEALED SPACES THAT ARE NOT USED OR INTENDED FOR LIVING PURPOSES.

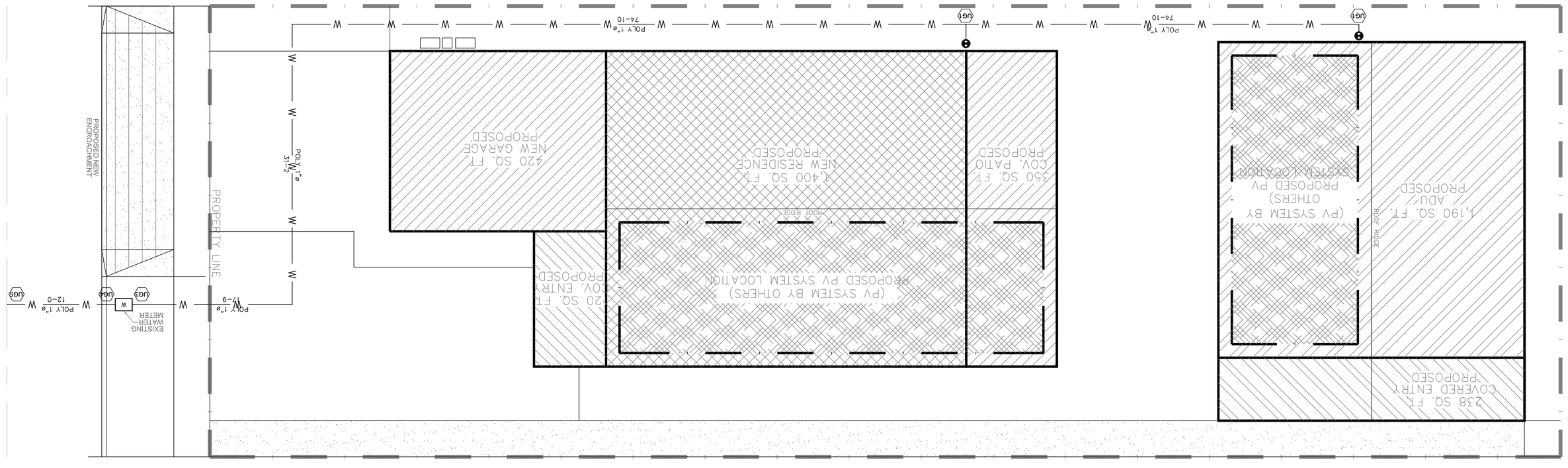
2.- MECHANICAL CLOSETS SMALLER THAN 400FT² , PENDENT, UPRIGHT AND SIDEWALL RESIDENTIAL SPRINKLER SHALL BE PERMITTED TO BE INSTALLED IN EITHER OF THE FOLLOWING SITUATIONS:

- WITHIN 18 IN OF THE CEILING TO AVOID OBSTRUCTIONS NEAR THE CEILING WHERE THE COMPARTMENT IS ENCLOSED BY WALL AND A DOOR.
- AT THE HIGHEST CEILING LEVEL WITHOUT REGARD TO OBSTRUCTIONS OR MINIMUM DISTANCES TO WALL.

3.- PENDENT SPRINKLERS NO CLOSER THAN 3 FEET OF THE CENTER OF A CEILING FAN.

4.- UNDERGROUND PIPE COVER MINIMUM OF 24 INCHES.

5. SPRINKLERS SHALL NO BE REQUIRED IN GARAGES, OPEN ATTACHED PORCHES, CARPORTS, AND SIMILAR STRUCTURES.



CONTRACTOR INFORMATION

No	Date	Remarks

REVISIONS

DESIGNER LOGO

Drawing Title

Permit No. | Drawn

Scale | Date

Sheet No. FP-01