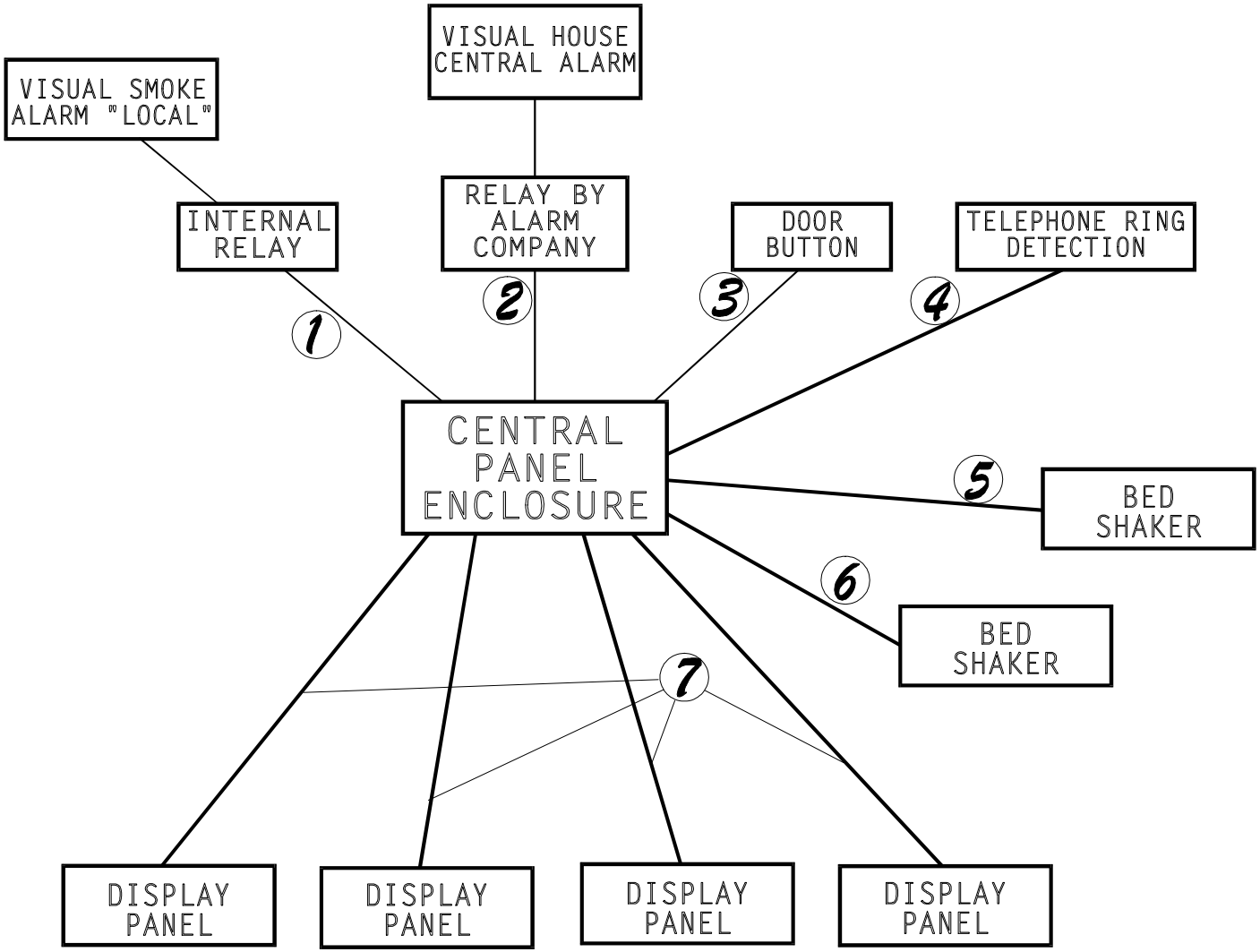
Room Valet System
Shop Drawing No. 1

System Wiring Overview:

Figure 2.1 - System Block Diagram



Room Valet System
Shop Drawing No. 2

Wiring Specifications

Run	Twisted Pairs Recommend	Gauge (Solid)	TYPE	Maximum Run
1 -	2 *	24	Category 5	250 feet
2 -	2 *	24	Category 5	250 feet
3 -	2 *	24	Category 5	250 feet
4 -	2 *	24	Category 5	250 feet
5 -	2 **	24	Category 5	250 feet
6 -	2 **	24	Category 5	250 feet
7 -	4	24	Category 5	100 feet

Figure 2.2 - Wire Specifications
Actual wire specs can vary with local low voltage wiring and insulation requirements.
*** - Installation Hint #1:** For convenience, 4 pair wire can be used for all runs, suggest using category 5-type wire.
**** - Installation Hint #2:** Doubling pairs in parallel helps reduce voltage drop on long bed shaker runs.

Run	Type	Description	Box Type	Height	Pairs	Typical Location
1-	N/O Contacts	Local Smoke Alarm	J	*3	2	N/A
2-	N/O Contacts	House Alarm	J	*3	2	N/A
3-	N/O Contacts	Doorbell	Single	Local	2	outside room by door
4-	Phone Line	Ring detect *1	Single	14”	4	Near bed, behind night stand
5-	12V SW. PWR	Bed Shaker *1	Single	14”	4	Near bed, behind night stand
6-	12V SW. PWR	Bed Shaker *1	Single	14”	4	Near bed, behind night stand
7-	Data	Display Panels	Single *2	56.5”	4	Walls

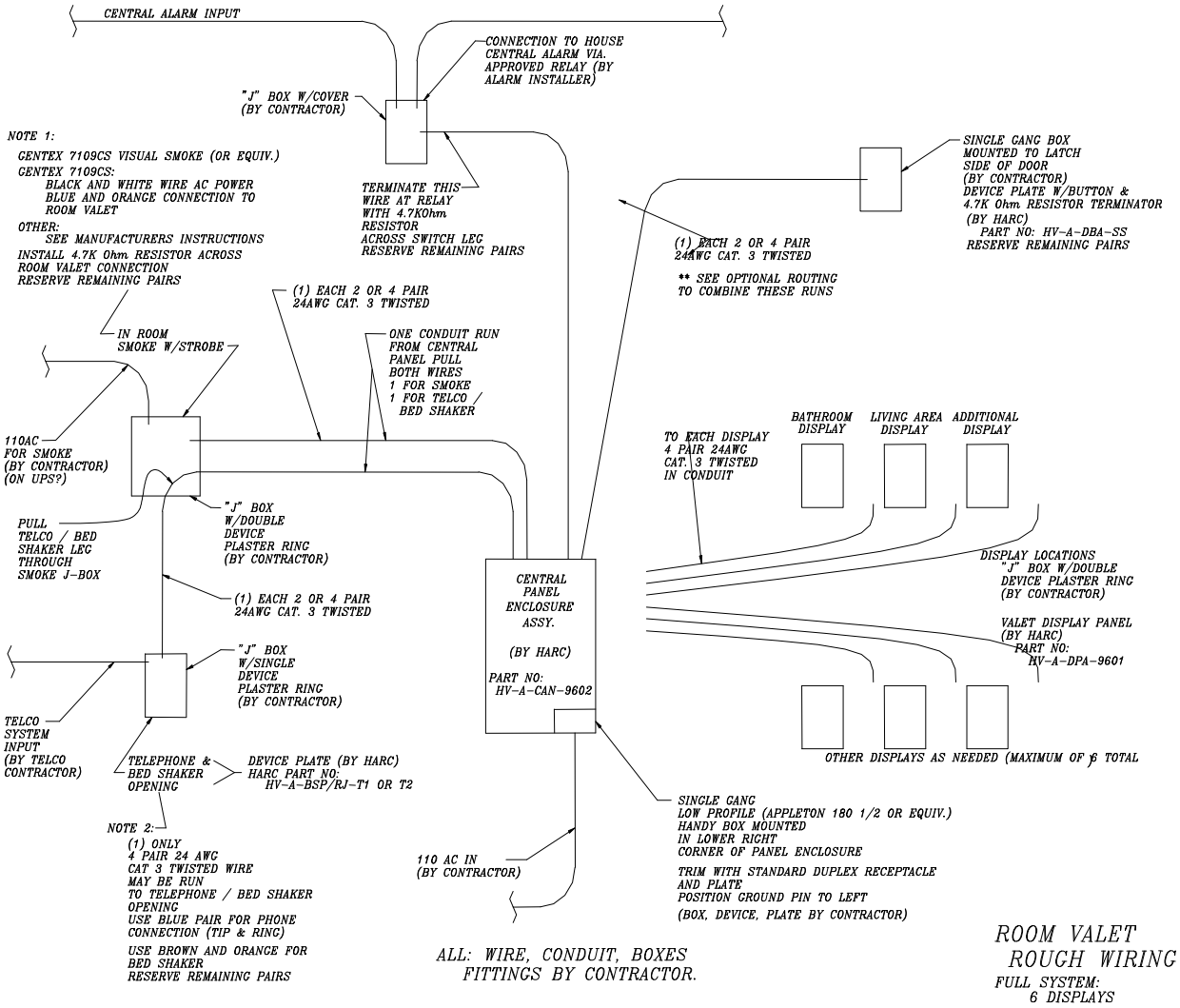
Figure 2.3 - Wiring Summary

***Notes**
1.) A telephone ring detect location can also be utilized as a bed shaker. Wire both runs to same wall box.
2.) Display panel wall boxes can be single or double boxes.
3.) Installed per code and manufacturers instructions by a licensed contractor.
4.) All runs originate at the central control box and should not exceed the lengths specified.

Room Valet System
Shop Drawing No. 3

Figure 2.4 - Valet Rough Layout

Note: Use 24gauge Category 5 wire wherever Category 3 is indicated



Room Valet Systems
Shop Drawing No. 4

Figure 2.5 - Rough Wiring Combined Door Button and Central Alarm

Note: Use 24 gauge Category 5 wire wherever Category 3 is indicated