



Construction Documents

Client Name
Street Address
City, State, Zip

Project Name
Version 1.0
Published XX/XX/XXXX

These Construction Documents define the construction requirements for this project based on this [Customer Requirements Document \(CRD\)](#).

Included are:

- Device Location Floor Plans (DLF)
- Power Requirements
- Thermal Requirements
- Structural Requirements

Requests for information (RFI) can be made to:

Paul Self
Mobile: 949-378-0665
paul@wiredms.com



Power Requirements Memorandum

Project Location: 1234 Street
City, State, Zip

Client Name: Client Name

General Contractor: GC Name
GC Phone

Lot Size: 38,984 sqft

Project size: 10,523 sqft *(approximate size of all buildings included on the project)*

Customer Requirements Documented dated: xx/xx/xxxx

Based on the Customer Requirements Document (CRD), Wired Media Solutions is providing the Power Requirements needed for this project. This document has rounded up the power requirements, however, the Electrical Engineer shall add an additional 20% to these requirements for future expansion.

Unless otherwise noted, all electrical requirements are 110 VAC, single phase, wired and grounded according to the NEC codes as of the date of permitting the project.

All circuits that are required for technology shall be dedicated circuits unless otherwise noted. All symbols with "s" are convenience outlets for a local TV and other minor equipment.



Thermal Requirements Memorandum

Project Location: 1234 Street
City, State, Zip

Client Name: Client Name

General Contractor: GC Name
GC Phone

Lot Size: 38,984 sqft

Project size: 10,523 sqft (*approximate size of all buildings included on the project*)

Customer Requirements Documented dated: xx/xx/xxxx

Based on the Customer Requirements Document (CRD), Wired Media Solutions is providing the Thermal Requirements needed for this project. This document has rounded up the BtTUs, however, the Mechanical Engineer shall add an additional 20% to these requirements for future expansion.

The operating environment shall be:

1. 65° ~ 80° F
2. 50% humidity
3. MERV filtration level 11 or higher
- 4.



Structural Requirements Memorandum

Project Location: 1234 Street
City, State, Zip

Client Name: Client Name

General Contractor: GC Name
GC Phone

Lot Size: 38,984 sqft

Project size: 10,523 sqft (approximate size of all buildings included on the project)

Customer Requirements Documented dated: xx/xx/xxxx

Based on the Customer Requirements Document (CRD), Wired Media Solutions is providing the Structural Requirements needed for this project. This document defines load bearing issues related to technology on the project to inform the Structural Engineer and Framing & Foundation Contractors. There may be a need for specific engineered designs from Wired Media Solutions, if so, an engineering project can be added to the Construction Documents.

#	Room	Lbs	Size	Approx Location/Notes
1	Living Room	700	21.75" w x 12.25" h	Wall center, 2' above FF ¹
2	Theater Projector	800	3'6" w 5' d x 4' h	4' above FF ²
3	Theater Screen	250	12' w x 2' d x 2' h	Recessed into ceiling ³

¹ Backing is 3/4" plywood that is lag bolted with 1/2" x 3" lag bolts every 24" in every stud. Minimum stud size is 2" x 4" on 16" centers.

² Projector position is approximate and will need specific engineering details for proper framing.

³ Screen pocket is recessed into the ceiling. Dimensions are internal dimensions for the screen pocket.



Symbol on Device Location Floorplan (DLF)




Clarifications

The loads and sizes specified for the functionality defined in the CRD as of the date above.

The CRD does NOT have specific electronic products that define a specific structural requirement. Wired Media Solutions has used “typical” equipment requirements for the functionality desired. Actual equipment and functionality installed may increase/decrease/change the structural requirements needed. If a specific engineering design is required, then a signed contract for the exact product will be required.



Location	BTU/H	DLF #
Floor 1, Mechanical Room	8,000	1
Living Room	2,500	2
Primary Bedroom	1,500	3
Kitchen	100	4
Garage	100	5
Pool Mechanical Room	3,000	6
Theater	6,000	7

Heat loads are indicated on the DLF with this symbol 

Clarifications

The BTUs specified for the functionality defined in the CRD as of the date above.

The CRD does NOT have specific electronic products that define a specific Btu requirement. Wired Media Solutions has used "typical" equipment requirements for the functionality desired. Actual equipment and functionality installed may increase/decrease/change the BTU requirements needed. If a specific BTU estimate is required, then a proposal for the exact product that will be needed.



Location	Circuits	Amps/Circuit	DLF # ^{1,2}
Entry Level, Living Room	2	20	1
Entry Level, Primary Bedroom	2	20	2
First Floor, Office	1	20	3
First Floor, Technology Racks	4	20	4
Basement, Technology Closet	3	20	5
Basement, Theater	1	20	6

¹DLF # = the Location number designating the approximate location of the receptacles. Please see floorplans for specific location requirements.

² Symbols on the DLF for electrical locations

1














Clarifications

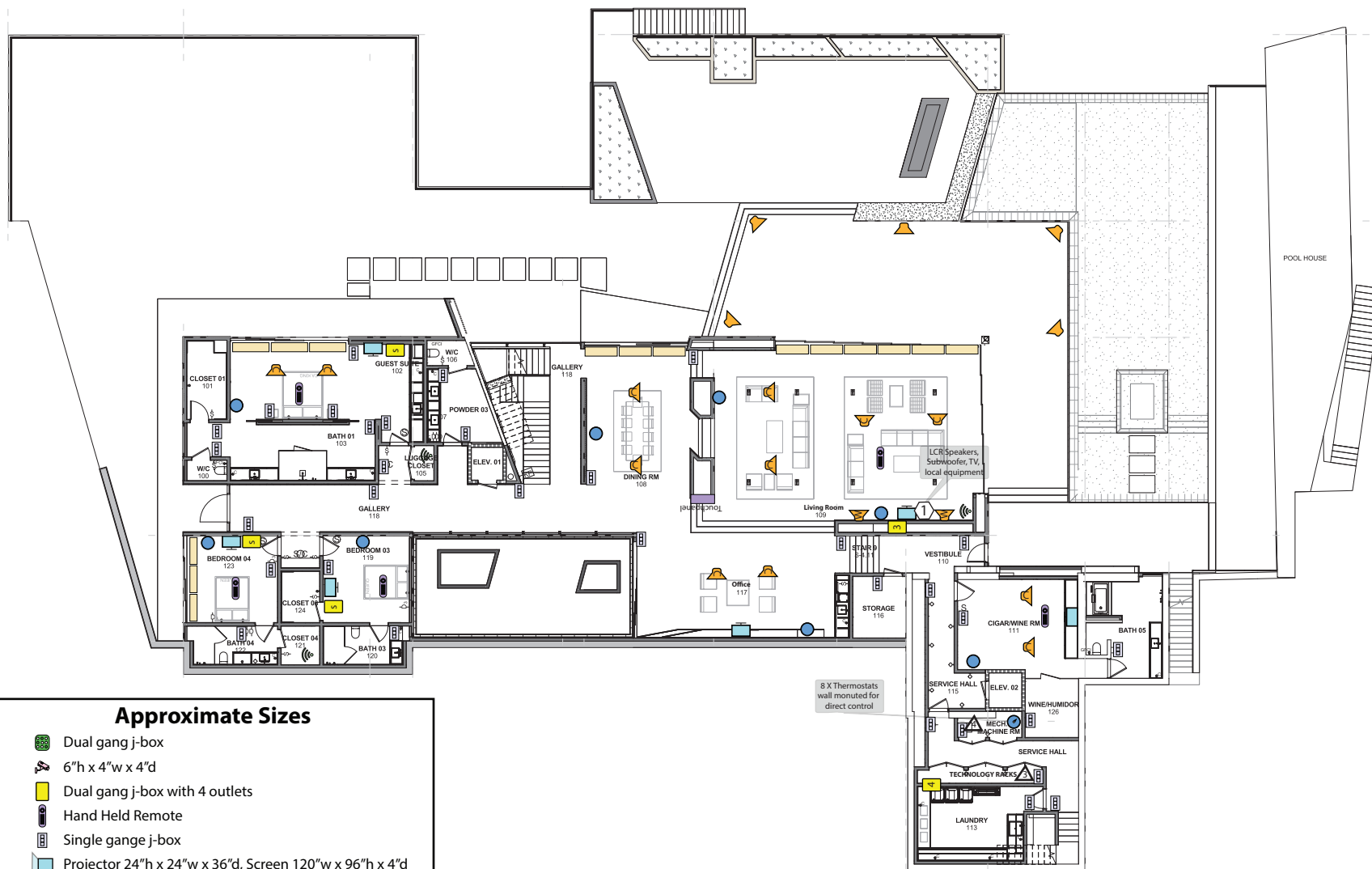
The power specified for the functionality defined in the CRD as of the date above.

The CRD does NOT have specific electronic products that define a specific power requirement. Wired Media Solutions has used "typical" equipment requirements for the functionality desired. Actual equipment and functionality installed may increase/decrease/change the power requirements needed. If a specific power estimate is required, then a proposal for the exact product that will be needed.

Device Location
Floorplan














Client Name
Address
City, State Zip

-  Access Keypad
 -  Camera
 -  Electrical
 -  Hand Held Remote
 -  Keypad
 -  Projector & Screen
 -  Shade
 -  Speaker
 -  Temp Sensor
 -  Thermostat
 -  Touchpanel
 -  TV
 -  Wifi
- C = Ceiling
CN = Countertop
FL = Floor
G = Ground
H = Hidden/Invisible
M = Mulion
O = Outdoor
POL = Pole
RK = Rack
REC = Recessed
SH = Shelf
S = Surface
SW = Subwoofer
W = Wall



8 X Thermostats wall mounted for direct control

Approximate Sizes

-  Dual gang j-box
-  6" h x 4" w x 4" d
-  Dual gang j-box with 4 outlets
-  Hand Held Remote
-  Single gang j-box
-  Projector 24" h x 24" w x 36" d, Screen 120" w x 96" h x 4" d
-  4" h x 4" d x window width
-  8" h x 8" w x 8" d
-  1.5" diameter x 0.5" deep
-  4" h x 4" w x 2" d
-  10" diagonally
-  Varies per room
-  8" h x 8" w x 2" d

All sizes are generic and CANNOT be used for construction purposes. Contact Wired Media solutions for specific dimensions.

All locations are approximate. Specific construction details are available from Wired Media Solutions.

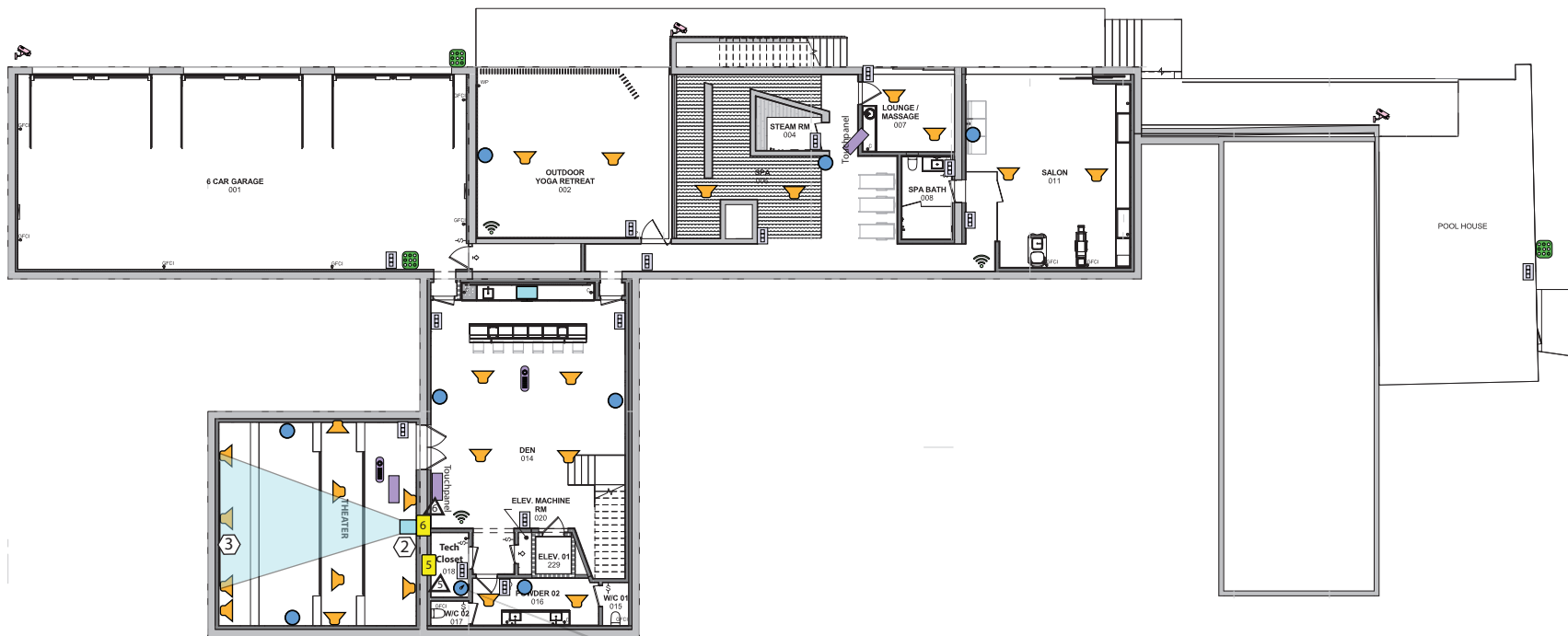
PROJECT
Sample Project

TITLE
First Floor

SHEET NO.
T.2

Device Location
Floorplan

Client Name
Address
City, State Zip



4 X Thermostats
wall mounted for
direct control

- Access Keypad
 - Camera
 - Electrical
 - Hand Held Remote
 - Keypad
 - Projector & Screen
 - Shade
 - Speaker
 - Temp Sensor
 - Thermostat
 - Touchpanel
 - TV
 - Wifi
- C = Ceiling
CN = Countertop
FL = Floor
G = Ground
H = Hidden/Invisible
M = Mulsion
O = Outdoor
POL = Pole
RK = Rack
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SH = Shelf
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Approximate Sizes

- Dual gang j-box
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- Projector 24" h x 24" w x 36" d, Screen 120" w x 96" h x 4" d
- 4" h x 4" d x window width
- 8" h 8" w x 8" d
- 1.5" diameter x 0.5" deep
- 4" h x 4" w x 2" d
- 10" diagonally
- Varies per room
- 8" h x 8" w x 2" d

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

PROJECT
Sample Project

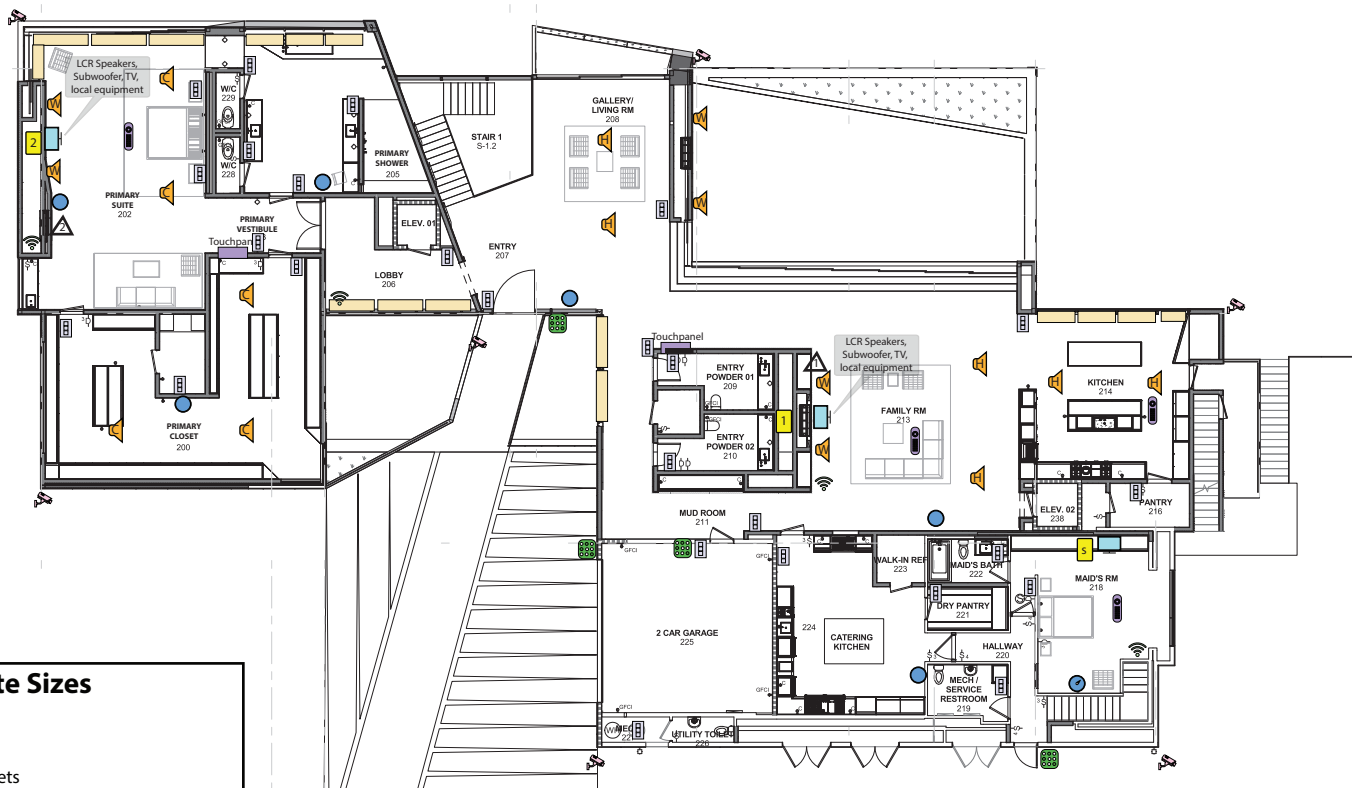
TITLE
Basement

SHEET NO. | T.1














Device Location
Floorplan

Client Name
Address
City, State Zip

-  Access Keypad
 -  Camera
 -  Electrical
 -  Hand Held Remote
 -  Keypad
 -  Projector & Screen
 -  Shade
 -  Speaker
 -  Temp Sensor
 -  Thermostat
 -  Touchpanel
 -  TV
 -  Wifi
- C = Ceiling
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Approximate Sizes

-  Dual gang j-box
-  6" h x 4" w x 4" d
-  Dual gang j-box with 4 outlets
-  Hand Held Remote
-  Single gang j-box
-  Projector 24" h x 24" w x 36" d, Screen 120" w x 96" h x 4" d
-  4" h x 4" d x window width
-  8" h 8" w x 8" d
-  1.5" diameter x 0.5" deep
-  4" h x 4" w x 2" d
-  10" diagonally
-  Varies per room
-  8" h x 8" w x 2" d

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PROJECT
Sample Project

TITLE
Entry Level

SHEET NO.
T.3