Nick Mallios

PROPOSAL

Throughout my college career, I have been lucky enough to work in many shows as an audio technician. Working countless school productions, rock concerts at bars, music festivals, and as an A2 for ABC GMA has taught me a lot and gave me a clear insight into my future. City Tech has without a doubt put me on a track to success, but before graduation, I want to be able to do a culmination project that is special to me.

On December 6th, my band, Trillogy will be performing a rock set at the Voorhees Theatre. We play some 90’s-2000’s rock and metal cover songs. There are two guitarists: me and my friend and ENT alumni, Joe Maran. My brother Luke will be singing, my good friend Josh on drums, and Joe’s friend Adriano plays bass. For my culmination project I will be creating and executing the sound system design. The live mix sound engineer will be Brian Anner. My plan for the design for a sound system includes the concepts of reliability and efficiency. The system will include four PA speakers and a subwoofer creating a stereo sound for the rock show.

I have observed audience complaints that music is too loud at times, which is one thing we would like to avoid. In order to ensure that, we will be monitoring this by using a DP meter and using SMAART to tune the room, as well as the four PA’s we will be utilizing four monitors, one for each performer that will be controlled by a separate PM5D board. The board I want to use for the front of house is the Yamaha CL5 mixer because I want my band to have a professional sound to us. My culmination shows both of my talents both as a musician and a sound system designer. This is one show that would definitely keep all audience members happy and entertained.

Methods:

1. Sound Design
   1. System Diagram/Stage Layout
   2. Equipment list
   3. Input list
2. Load In
   1. System Load In
   2. Systems Test
   3. Tech Rehearsal
   4. Show Run
   5. Load Out

Deliverables:

* System Diagram
* Stage Layout
* Load In/Out Calendar
* Equipment List
* Input/Output List

Split Rack Input List:

Device INPUT

|  |  |
| --- | --- |
| Vocal 1 (SM58) | CH1 |
| Vocal 2 (SM58) | CH2 |
| Vocal 3 (SM58) | CH3 |
| Bass Amp (SM57) | CH4 |
| Guitar Amp 1 (SM57) | CH5 |
| Guitar Amp 2 (SM57) | CH6 |
| Kick Drum (Shure Beta 52A) | CH7 |
| Overhead Drum 1 (SM57) | CH8 |
| Overhead Drum 2 (SM57) | CH9 |
| Playback (iPhone) | CH10 |

CL5:

OUTPUT Device

|  |  |
| --- | --- |
| Matrix1 | Meyer CQ1 |
| Matrix2 | Meyer CQ1 |
| Matrix3 | Meyer UPA1-1P |
| Matrix4 | Meyer UPA1-1P |
| Mix 1 | Meyer 650P Sub |

PM5D:

OUTPUT Device

|  |  |
| --- | --- |
| OMNI 1 | UM-1 |
| OMNI 2 | UM-1 |
| OMNI 3 | UPA-2P |
| OMNI 4 | UPA-2P |

EQUIPMENT

|  |  |  |  |
| --- | --- | --- | --- |
| **Quantity** | **Manufacturer** | **Model** | **Description** |
| 1 | Yamaha | CL5 | Board |
| 3 | Shure | SM58 | Vocal Mics |
| 5 | Shure | SM57 | Instrument + Drum Mics |
| 1 | Shure | Beta 52A | Kick Drum Mic |
| 2 | Meyer | CQ1 | Floor Speakers |
| 2 | Meyer | UPA1-1P | Top Speakers |
| 2 | Meyer | UM-1 | Monitor |
| 2 | Meyer | UPA-2P | Monitor |
| 2 | Meyer | M1-A | Processors |
| 2 | Crown | 1010 | Amplifiers |
| 1 | Yamaha | PM5D | Mon Board |
| 1 |  | Split Rack | Input Split |
| 1 |  | Rio | A/D to Dante |
| 1 | Meyer | 650P | Subwooffer |

CABLES

XLRs

¼”TS-XLRs

1/8”TRS-Dual ¼”TS

Powercon

IEC

Speakon

OTHER EQUIPMENT

Mic Stands

Gaff Tape

BAND’S EQUIPMENT

Full Drum Kit

Instruments

Guitar and Bass Amplifiers

Effect petals

Instrument Cables

Nov2019

| Sun | mon | tue | wed | thu | fri | sat |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | 01 | 02 |
|  |  |  |  |  |  |  |
| 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Band Rehearsal |  |  |  |  |  |  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Band Rehearsal |  | Final Schematic/ Equipment List Due |  |  |  |  |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| Band Rehearsal |  | Stage Layout/ Input List Due |  |  |  |  |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Band Rehearsal |  | Load In  2:30-5 |  |  |  |  |
| Dec 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Band Rehearsal |  |  |  | Tech Rehearsal | 5:00 Sound Check  7:00 Show | Load Out |