GENERAL

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:

   - 2012 EDITION OF INTERNATIONAL BUILDING CODE
   - OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK
   - CODES AND STANDARDS LISTED IN THESE NOTES

   THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

2. DO NOT SCALE THE DRAWINGS.

3. DESIGN LOADS:

   - PARTITION WALL OUT OF PLAN LOAD: 5 PSF
   - ROOF LIVE LOAD: 20 PSF
   - SEISMIC LOADS:
     - THE MAPPED SPECTRA ACCELERATION: Ss = 0.463g
     - THE MAPPED SPECTRA ACCELERATION: S1 = 0.159g
     - IMPORTANCE FACTOR Ie = 1.0
     - RISK CATEGORY II
     - SITE CLASS D
     - SPECTRAL RESPONSE ACCELERATIONS: SDS = 0.442g
     - SD1 = 0.229g

   - SEISMIC DESIGN CATEGORY: D
   - BASIC SEISMIC-FORCE-RESISTING SYSTEM: N/A
   - DESIGN BASE SHEAR COEFFICIENT: CS: N/A
   - RESPONSE MODIFICATION FACTOR: R: N/A
   - ANALYSIS PROCEDURE: N/A
   - WIND LOADS: N/A

FOUNDATION

1. FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL PRESSURE OF 1000 PSF

COLD-FORMED STEEL STRUCTURAL MEMBERS

1. STEEL STRUCTURAL MEMBERS SHALL BE OF THE SIZE AND GAUGE SHOWN ON THE DRAWINGS.

2. STEEL STRUCTURAL STUD WALL BRIDGING SHALL BE SPACED EVENLY, 5'-0" O.C. MAX., UNLESS NOTED OTHERWISE. EXCEPT AS SPECIFICALLY NOTED ON THE DRAWINGS, CONTRACTOR, AT HIS OWN OPTION, MAY USE CONTINUOUS COLD ROLLED CHANNEL BRIDGING POSITIONED THROUGH STUD PUNCH OUTS.

3. WELDING OF STEEL STRUCTURAL MEMBERS CONNECTIONS SHALL BE DONE USING FILLET, PLUG, BUTT OR SEAM WELDS WITH A MINIMUM 3/32 IN. AWS TYPE 6013 WELDING RODS.

4. WELDED OR SCREWED SPLICES SHALL BE USED FOR ALL CONTINUOUS TRACKS. WIRE TYING OF STUD FRAMING COMPONENTS SHALL NOT BE PERMITTED.

5. WELDERS SHALL BE QUALIFIED IN LIGHT GAUGE WELDING.

6. METAL STUD STRENGTH TO BE 33 KSI FOR 362S AND 600S, 50 KSI FOR SIZES ABOVE.

SPECIAL INSPECTION

1. SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK:
   - SIMPSON TITEN HD SCREW FOR MASONRY PER ESR-1056
   - FIELD WELDING

STRUCTURAL GENERAL NOTES

UNLV Police Station
Tenant Improvements

Feb 05, 2018
**Metal Stud Wall Schedule**

<table>
<thead>
<tr>
<th>Clear Height (&quot;L&quot;)</th>
<th>Size (SS)</th>
<th>Spacing (OC)</th>
<th>Strength (Fy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L &lt;= 14'-0&quot;</td>
<td>362S162</td>
<td>16&quot; or 24&quot;</td>
<td>33 KSI</td>
</tr>
<tr>
<td>14'-0&quot; &lt; L &lt;= 20'-0&quot;</td>
<td>600S162</td>
<td>16&quot;</td>
<td>33 KSI</td>
</tr>
<tr>
<td>20'-0&quot; &lt; L &lt;= 25'-0&quot;</td>
<td>600S162</td>
<td>16&quot;</td>
<td>33 KSI</td>
</tr>
</tbody>
</table>

**Typical Partition Wall Detail**
- Hilti X-U Shot Pin (D=0.157") at 12" OC with 1" min embed.
- 18 gauge track with (1) #8 screw to each stud flange.

**Non-Bearing Interior Wall Schedule**

**Typical Opening at Partition Wall**

**TYPICAL OPENING AT PARTITION WALL**

**Detail**

**Case 1**
- King studs for "L" up to 6'-0".
- Extend track to king stud with (1) #10 screw to each flange, typical.

**Case 2**
- Extend web to king stud with (3) #10 screws to each side.

**Case 3**
- 18 gauge track for "L" up to 6'-0".
- 16 gauge track + (1) stud match wall stud for "L" up to 14'-0".

**Case 4**
- 16 gauge track with (2) #10 screws to each wall stud and (1) #8 screw to each joist flange.

**Boxed Beam, See Plan**
- 14 gauge clip angle with (4) #8 screws to metal stud joist and (4) Hilti X-U shot pins (D=0.157") to conc./CMU wall with 1" min embed where ceiling joist span is greater than 5'-0".

**Details**

**Scale: 3/4" = 1'-0"**
### ELECTRICAL GENERAL NOTES

1. All electrical conductors shall be identified with the correct color coding in accordance with the National Electrical Code. All conductors shall be insulated with a suitable material as specified by the National Electrical Code.

2. All electrical equipment shall be identified with the correct color coding in accordance with the National Electrical Code. All equipment shall be insulated with a suitable material as specified by the National Electrical Code.

3. All electrical conduit shall be identified with the correct color coding in accordance with the National Electrical Code. All conduit shall be insulated with a suitable material as specified by the National Electrical Code.

4. All electrical cables shall be identified with the correct color coding in accordance with the National Electrical Code. All cables shall be insulated with a suitable material as specified by the National Electrical Code.

5. All electrical switches shall be identified with the correct color coding in accordance with the National Electrical Code. All switches shall be insulated with a suitable material as specified by the National Electrical Code.

6. All electrical outlets shall be identified with the correct color coding in accordance with the National Electrical Code. All outlets shall be insulated with a suitable material as specified by the National Electrical Code.

7. All electrical receptacles shall be identified with the correct color coding in accordance with the National Electrical Code. All receptacles shall be insulated with a suitable material as specified by the National Electrical Code.

8. All electrical panel boards shall be identified with the correct color coding in accordance with the National Electrical Code. All panel boards shall be insulated with a suitable material as specified by the National Electrical Code.

9. All electrical lighting fixtures shall be identified with the correct color coding in accordance with the National Electrical Code. All lighting fixtures shall be insulated with a suitable material as specified by the National Electrical Code.

### ELECTRICAL SYMBOLS

#### PLAN SYMBOLS

- **|** Conduit
- **|** Cable
- **|** Wire
- **|** Switch
- **|** Outlet
- **|** Receptacle
- **|** Panel Board
- **|** Lighting Fixture

#### THREE-LINE DIAGRAM AND SYMBOLIC SYMBOLS

- **|** Wire
- **|** Switch
- **|** Outlet
- **|** Receptacle
- **|** Panel Board
- **|** Lighting Fixture

### POLICE

- **|** Battalion
- **|** Station
- **|** District
- **|** Unit

- **|** Street
- **|** Number
- **|** Address

- **|** Police
- **|** Station
- **|** Battalion
- **|** Unit

- **|** Nevada
- **|** Las Vegas
- **|** Police

- **|** USA
- **|** Nevada
- **|** Las Vegas

- **|** Las Vegas
- **|** Police
- **|** Station
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- **|** Las Vegas

- **|** USA
- **|** Nevada
## COMcheck Software Version 4.6.6.2
### Interior Lighting Compliance Certificate

**Project Information**
- **Energy Zone:** [Energy Zone]
- **Meter:** [Meter]
- **Building:** [Building]
- **District:** [District]
- **Site:** [Site]
- **Project:** [Project]
- **Owner:** [Owner]
- **Architect:** [Architect]
- **Contractor:** [Contractor]

### Inspection Checklist

#### Energy Code: 2018/2020

#### Description of Compliance
- All required interior lighting fixtures meet the energy-efficient requirements as specified in the building codes.
- Lighting fixtures are properly installed and operational.

#### Compliance with Local Requirements
- All local codes and requirements for interior lighting compliance are met.

#### Completed/Non-Completed
- All items have been completed and are in compliance with the Energy Code requirements.

### Detailed Inspection

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Notes/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ballast</td>
<td>Testing...</td>
</tr>
<tr>
<td>2</td>
<td>Fixture</td>
<td>OK</td>
</tr>
<tr>
<td>3</td>
<td>Light Source</td>
<td>Compliant</td>
</tr>
<tr>
<td>4</td>
<td>Control</td>
<td>Functioning</td>
</tr>
</tbody>
</table>

### Additional Comments/Recommendations
- [Additional comments or recommendations]

---

**Project Date:** [Date]
**Inspector:** [Inspector]
**Contractor:** [Contractor]

---

**Project Date:** [Date]
**Inspector:** [Inspector]
**Contractor:** [Contractor]

---

**Project Date:** [Date]
**Inspector:** [Inspector]
**Contractor:** [Contractor]

---

**Project Date:** [Date]
**Inspector:** [Inspector]
**Contractor:** [Contractor]
## LIGHTING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>Model</th>
<th>Model Description</th>
<th>Lamp Type</th>
<th>Wattage</th>
<th>Lumens</th>
<th>Hours</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100W 3000K E26</td>
<td>L40</td>
<td>100</td>
<td>1500</td>
<td>100</td>
<td>Dimmer</td>
</tr>
<tr>
<td>B</td>
<td>75W 3000K E26</td>
<td>L40</td>
<td>75</td>
<td>1250</td>
<td>125</td>
<td>Dimmer</td>
</tr>
<tr>
<td>C</td>
<td>50W 3000K E26</td>
<td>L40</td>
<td>50</td>
<td>750</td>
<td>75</td>
<td>Dimmer</td>
</tr>
<tr>
<td>D</td>
<td>30W 3000K E26</td>
<td>L40</td>
<td>30</td>
<td>450</td>
<td>45</td>
<td>Dimmer</td>
</tr>
</tbody>
</table>

**NOTES:**
- **Lighting Schedule:** Includes all required lighting for a complete fixture schedule.
- **Wattage:** Indicates the wattage rating of each light bulb.
- **Lumens:** Represents the total lumens output of each fixture.
- **Hours:** Specifies the recommended hours of operation.
- **Controls:** Details the control mechanism for each fixture (e.g., dimmer).