



PROJECT MANUAL

February 20, 2019

PARKBOI PARKING GARAGES - LED LIGHT UPGRADES **9th & Main Garage / Capitol & Main Garage**

BIDS DUE: MARCH 19, 2019 BY 3:00 P.M. local time

OWNER'S REPRESENTATIVES / PROJECT CONSULTANTS

OWNER'S REPRESENTATIVE

BEN HOUP, PROPERTY MANAGER
CAPITAL CITY DEVELOPMENT CORP.
121 N. 9TH STREET, SUITE 501
BOISE, IDAHO 83702
208-384-4264

PROJECT ARCHITECT

JASON BRUNSON, PE
CSHQA
200 BROAD STREET
BOISE, IDAHO 83702
208-343-4635

OWNER'S CONTRACT MANAGER

KATHY WANNER, CONTRACTS SPECIALIST
CAPITAL CITY DEVELOPMENT CORP.
121 N. 9TH STREET, SUITE 501
BOISE, IDAHO 83702
208-384-4264

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SECTION 00 11 16 INVITATION TO BID

February 20, 2019

Capital City Development Corporation (CCDC) invites submission of sealed bids for the ParkBOI Parking Garage LED Lighting Upgrade Project, in accordance with the formal bid process outlined in Idaho Code § 67-2805(2)(a). A Public Works Contractors License issued by the State of Idaho is required to bid on this work.

In accordance with the plans and specifications, the work shall consist of replacing existing non-LED lights with LED lights in two (2) public parking garages owned by CCDC and located in downtown Boise, Idaho: 9th & Main Garage, 848 W. Main Street, Boise, Idaho and Capitol & Main Garage, 770 W. Main Street, Boise, Idaho.

Bids will be prepared per the specifications detailed within the Project Manual. The Project Manual and the Drawings are being made available at the following cloud-based location:

<https://ccdcboise.com/development/rfps/>

Sealed bids will be received at the offices of CCDC, 121 N. 9th Street, Suite 501, Boise, Idaho 83702 until **3:00 p.m. local time March 19, 2019**, at which time the bids will be publicly opened. Following the Bid Opening, the apparent low bid results will be provided to Bidders.

CCDC reserves the right to reject any and all proposals, to waive any irregularities in the proposals received, and to accept the proposal that is in the best interest of CCDC. The issuance of the Invitation to Bid and the receipt and evaluation of sealed bids does not obligate CCDC to award a contract. CCDC will pay no costs incurred by Bidders in responding to this Invitation to Bid. CCDC may in its discretion cancel this process at any time prior to execution of a contract without liability.

Bid Security in the form of a bid bond, certified check, cashier's check, or cash in the amount of 5% of the amount of the bid is **REQUIRED**.

A **Pre-Bid Meeting** will be held at 9:30 a.m. on February 28, 2019, at the CCDC offices. A Site Tour will follow. CCDC strongly recommends attendance by the Bidders.

CCDC appreciates your interest in meeting the needs of the agency and the citizens of Boise.



Kathy Wanner, Contracts Specialist



END OF SECTION 00 11 16

SECTION 00 21 13 INSTRUCTIONS TO BIDDERS

1. BID SUBMISSION

The submission package or envelope must be sealed and plainly marked for delivery as follows:

Capital City Development Corporation
Attn: ParkBOI Garages LED Lighting Upgrades
121 N. 9th Street, Suite 501
Boise, Idaho 83702

Indicate "SEALED BID ENCLOSED" on the outside envelope.

One (1) SIGNED original bid is required – unsigned bids will not be accepted. Late or incomplete submissions will not be accepted. Email or fax submissions will not be accepted. Bidder assumes full responsibility for the timely delivery of its bid to CCDC.

The Bidder will be responsible for all costs (including site visits where needed) incurred in preparing or responding to this bid invitation. All materials and documents submitted in response to this bid invitation become the property of CCDC and will not be returned.

2. GENERAL CONDITIONS

2.1 Intent of Bid/Proposal

It is the intent of this Invitation to Bid to define requirements in sufficient detail to secure comparable Bids. Bids shall be in accordance with Bid document requirements. Bids not conforming to the requested format or not in compliance with the specifications will be considered non-responsive.

CCDC reserves the right to act in the public best interest and in furtherance of the purposes of the Idaho Code Title 50, Chapter 20 (Idaho Urban Renewal Law) and Idaho Code Title 67, Chapter 28 (Purchasing by Political Subdivisions). CCDC reserves the right to waive any formalities or defects as to form, procedure, or content with respect to its Bid Invitation and any irregularities in the Bids received, to request additional data and information from any and all Bidders, to reject any submissions based on real or apparent conflict of interest, to reject any submissions containing inaccurate or misleading information, and to accept the proposal that is in the best interest of CCDC. The issuance of this Bid Invitation and the receipt and evaluation of sealed bids does not obligate CCDC to award a contract. CCDC may in its discretion cancel this process at any time prior to execution of a contract without liability.

2.2 Public Records

CCDC is a public agency. All documents in its possession are public records subject to disclosure under the Idaho Public Records Act, Title 74, Chapter 1, Idaho Code, and will be available for inspection and copying by any person.

If any Respondent claims any part of its submission is exempt from disclosure under the Idaho Public Records Act, Respondent must: A.) Indicate by marking the pertinent document "CONFIDENTIAL"; and, B.) Include the specific basis for the position that it be treated as exempt from disclosure. Marking the entire submission as "Confidential" is not in accordance with the Idaho Public Records Act and will not be honored. CCDC, to the extent allowed by law

and in accordance with these Instructions, will honor a designation of nondisclosure. By claiming material to be exempt from disclosure under the Idaho Public Records Act, Respondent expressly agrees to defend, indemnify, and hold CCDC harmless from any claim or suit arising from CCDC's refusal to disclose such materials. Any questions regarding the applicability of the Public Records Act should be addressed to your own legal counsel prior to submission.

2.3 Form of Agreement

Unless otherwise specified in the bid documents, the form of the Contract will be a Standard Agreement and General Conditions Between Owner and Constructor, as modified by CCDC.

2.4 Performance and Payment Bond

A performance bond and payment bond are required for this Project, each in an amount of not less than one hundred percent (100%) of the Contract Price. The performance and payment bonds shall be AIA Document A312, 1984 or the most recent Edition, or a standard surety form certified approved to be the same as the AIA A312 form and shall be executed by a surety or sureties reasonably acceptable to CCDC and authorized to do business in the State of Idaho. Bonds must be provided within ten (10) calendar days following receipt of a Notice of Intent to Award.

2.5 Taxes

CCDC is exempt from Federal and State taxes and will execute the required exemption certificates for items purchased and used by CCDC. Items purchased by CCDC and used by a contractor are subject to Use Tax. All other taxes are the responsibility of the Contractor and are to be included in the Contractor's Bid pricing.

3. SUBMISSION PROCESS

3.1 All Forms to be Submitted

Bidders must submit the following completed forms with original signatures in ink. Failure to submit all forms along with a Bid Security will render any Bid non-responsive and void.

00 41 13 Bid Form
00 43 22 Unit Prices Bid Form
00 45 46 Contractor's Affidavit Concerning Taxes

3.2 Request for Clarification; Objections to Specifications or Process;

Any Bidder who wishes to request clarifications or object to specifications or bidding procedures outlined in this Invitation to Bid may submit a written notification to Kathy Wanner, CCDC Contracts Specialist: kwanner@ccdcoise.com The notification will state the exact nature of the clarification or protest, describing the location of the protested portion or clause in the Bid/Proposal documents, and explaining why the provision should be struck, added, or altered, and contain suggested corrections. CCDC may deny the objection, modify the Project Manual, and/or reject all or part of the objection. Changes to these specifications will be made by written addendum. Verbal responses will not be binding on CCDC or the Bidder.

Deadline for Questions and Clarifications: 5:00 p.m. Thursday, March 7, 2019
Deadline for Objections to Specs / Bidding: 5:00 p.m. Tuesday, March 14, 2019

3.3 Addenda

In the event it becomes necessary to revise any part of the bid documents, written addenda will be issued. Addenda will be made available by way of the CCDC website and/or cloud-based Dropbox website (if applicable). It is the bidder's responsibility to check for addenda prior to submitting a bid. Bidders are required to acknowledge receipt of all addenda in the space provided on the bid proposal form. Failure to do so may result in the bid being declared non-responsive. No addenda will be issued fewer than four (4) business days before the submission deadline unless the deadline is extended.

3.4 Time for Submission

Bids must be submitted by the time specified in the Invitation to Bid. Late bids will be rejected.

3.5 Bid and Price Guarantee

A submitted Bid must remain open for thirty (30) days.

3.6 Bid Modification; Bid Withdrawal

A Bid may be modified or withdrawn by the Bidder prior to the set date and time for the opening of Bids. Bids may not be modified or withdrawn after the bid opening.

3.7 Legal Residency Requirement

By submitting a bid, the bidder attests, under penalty of perjury, that he (the bidder) is a United States citizen or legal permanent resident or that it is otherwise lawfully present in the United States pursuant to federal law. Prior to being issued a contract, the bidder will be required to submit proof of lawful presence in the United States in accordance with Idaho Code § 67-7903.

3.8 Public Works Contractor's License Requirements

This Project is not financed in whole or in part by federal funds. Bids will be accepted from those Contractors only (prime contractors, subcontractors and/or specialty contractors) who, prior to the bid opening, hold current licenses as public works contractors in the State of Idaho. Idaho Code § 54-1902 requires that public works contractors and subcontractors have the appropriate Public Works License for the particular type of construction work involved, and the prime contractor must perform at least 20% of the work under contract. CCDC uses the Idaho Division of Building Safety's (DBS) online license database to verify that Bidders meet all PWC License requirements.

The Contractor will, in the space provided in the Bid Form, provide the names and addresses and Idaho Public Works Contractor's license number of each subcontractor that the Contractor will utilize for the construction, alteration or repair of the public works here involved, as required by Idaho Code § 67-2310. Failure to name subcontractors for plumbing, heating, air-conditioning, and electrical as required will render any Bid submitted by a general Contractor unresponsive and void.

4. BID SECURITY

All Bids must be accompanied by a bid security that is not less than five percent (5%) of the total Bid amount. The bid security shall be in the form of either cash; a cashier's check made out to CCDC; a certified check made out to CCDC; or a Bidder's bond executed by a surety company authorized to do business in the State of Idaho.

CCDC reserves the right, on the refusal or failure of the Successful Bidder to execute the CCDC contract or furnish the required proof of insurance and bonds, to award the contract for the Project to the next lowest qualified Bidder. If CCDC awards the CCDC contract to the next

lowest qualified Bidder, the amount of the lowest qualified Bidder's bid security will be applied by CCDC to the difference between the lowest responsive Bid for the Project and the next lowest responsive Bid for the Project, and the surplus, if any, shall be returned to the lowest Bidder if cash or check is used, or to the surety on the Bidder's bond if a bond is used, less reasonable administrative costs not to exceed twenty-five percent (25%) of the amount of the Bidder's bid security.

5. SELECTION CRITERIA

Selection will be based on the procurement rules set forth in Idaho Code § 67-2805(2)(a). CCDC has the right to waive or alter submission requirements or to reject any or all submissions, consistent with Idaho law. It is the bidder's responsibility to conform to all applicable federal, state and local statutes or other applicable legal requirements. The information provided herein is intended to assist bidders in meeting applicable requirements but is not exhaustive, and CCDC will not be responsible for any failure by any bidder to meet applicable requirements.

END OF SECTION 00 21 13

SECTION 00 25 13 PRE BID MEETING

A Pre-Bid Meeting to discuss the ParkBOI Parking Garages LED Lighting Upgrades Project will be held at 9:30 a.m. on February 28, 2019, at the offices of CCDC at 121 N. 9th Street, Suite 501, Boise, Idaho 83702. A Site Tour will follow.

Attendance by the Bidders is recommended but not required.

END OF SECTION 00 25 13

SECTION 00 31 00 AVAILABLE PROJECT INFORMATION

PRELIMINARY PROJECT SCHEDULE

Substantial Completion in sixty-nine (69) days

Final Completion in twenty-one (21) days after Substantial Completion

IDAHO POWER REBATE

This project will be part of Idaho Power's LED lighting rebate program. Owner will be applying to Idaho Power for the rebate. Bidder shall be required to utilize fixtures that meet the DLC standards required by Idaho Power, and provide the necessary information and documentation for Owner to submit.

END OF SECTION 00 31 00

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SECTION 00 41 13 BID FORM

BID FORM

PROJECT: ParkBOI PARKING GARAGES LED LIGHTING UPGRADES

THIS BID IS SUBMITTED TO:

Capital City Development Corporation
Attn: ParkBOI Parking Garages LED Lighting Upgrades
121 N. 9th Street, Suite 501
Boise, Idaho 83702

- 1.01 The undersigned Bidder proposes and agrees to enter into a Contract with CCDC in the form included in the Project Manual to perform all the Work as specified or indicated in the Project Manual for the prices indicated in this Bid and in accordance with the other terms and conditions of the Project Manual.
- 1.02 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for thirty (30) days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of CCDC.
- 1.03 Within thirty (30) days from receiving a written notice of acceptance of this Bid, Bidder shall execute the Contract and shall deliver evidence of required insurance coverages and bonds in the amounts required by the Contract.
- 1.04 In submitting this Bid, Bidder represents, as set forth in the Contract and Project Manual, that:

a. Bidder has examined and understands the Project Manual and the following Addenda:

Addendum No.	Addendum Date
_____	_____
_____	_____

- b. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- c. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- d. Bidder has carefully studied: 1.) all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site which have been identified in the Project Manual; and 2.) all reports and drawings of a Hazardous Environmental Condition, if any, which has been identified in the Project Manual.
- e. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Project Manual to be employed by Bidder, and safety precautions and programs incident thereto.

- f. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Project Manual.
 - g. Bidder is aware of the general nature of work to be performed by CCDC and others at the Site that relates to the Work as indicated in the Project Manual.
 - h. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Project Manual, and all additional examinations, investigations, explorations, tests, studies, and data with the Project Manual.
 - i. Bidder has given CCDC written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovered in the Project Manual, and the written resolution thereof by CCDC is acceptable to Bidder.
 - j. The Project Manual is generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
 - k. Bidder is responsible for ascertaining the existence of any addenda and the contents thereto.
- 1.5 Bidder represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over CCDC.
- 1.6 Bidder will complete the Work in accordance with the Contract Documents for the lump sum given, which includes all taxes. Unit prices have been computed in accordance with the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid Items will be based on actual quantities provided, determined as provided in the Contract Documents.
- 1.7 Bidder agrees that the Work will be substantially completed and fully completed ready for final payment in accordance with General Conditions on or before the dates or within the number of calendar days indicated in the Contract Documents. Bidder accepts the provisions of the Contract as to liquidated damages in the event of failure to complete the Work within the times specified.
- 1.8 Bidder agrees to comply with Idaho Code § 44-1001 through 44-1006 regarding employment of Idaho residents.
- 1.9 The following documents are attached to and made a condition of this Bid: 1.) Required Bid security; 2.) Unit Prices Form, and 3.) Contractor's Affidavit Concerning Taxes.
- Bidder agrees to include with the Bid the names and addresses and Idaho Public Works Contractor License numbers of the Subcontractors who shall, in the event the Bidder secures the Contract, subcontract the plumbing, heating and air-conditioning work, and electrical work under the general Contract.
- 1.10 WAIVER & RELEASE: Bidder has read and fully accepts CCDC's discretion and non-liability as stipulated herein, expressly for, but not limited to, CCDC's decision to proceed with a selection process in response to the Invitation to Bid, including the right in its sole discretion and judgment for whatever reason it deems appropriate, at any time unless contrary to applicable state law, to:
- a. Modify or suspend any and all aspects of the process seeking a contractor to construct Project.
 - b. Obtain further information from any person, entity, or group, including, but not limited to, any person, entity, or group responding to CCDC's Bid Invitation (any such person, entity, or group responding is, for convenience, hereinafter referred to as "Bidder"), and to ascertain the depth of Bidder's capability and experience for construction of Project and in any and all other respects to meet with and consult with any Bidder or any other person, entity, or group.
 - c. Waive any formalities or defects as to form, procedure, or content with respect to its Bid Invitation and any responses by any Bidder thereto.

- d. Accept or reject any sealed Bid received in response to the Bid Invitation, including any sealed Bid submitted by the undersigned; or select any one submission over another.
- e. Accept or reject all or any part of any materials, plans, drawings, implementation programs, schedules, phrasings and proposals or statements, including, but not limited to, the nature and type of Bid.

Bidder agrees that CCDC shall have no liability whatsoever, of any kind or character, directly or indirectly, by reason of all or any decision made at the discretion of CCDC as identified above.

SUBCONTRACTORS

CCDC requires the names and addresses of subcontractors to whom work will be awarded, subject to approval of CCDC and Architect, and pursuant to Idaho Code § 67-2310. If such work is not required, Bidder will indicate "Not Applicable" in the list below. In the event that the general (Trade) contractor intends to self-perform the plumbing, HVAC, or electrical work, the general contractor must be properly licensed by the state of Idaho to perform such work. The general (Trade) contractor shall demonstrate compliance with this requirement by listing the valid contractor's license number for the plumbing, HVAC, or electrical work to be self-performed by the general contractor on the bid form.

Failure to name subcontractors as required by Idaho Code shall render any bid submitted unresponsive and void.

Plumbing

Address: _____

Public Works License No. _____

Idaho Plumbing Contractors License No. _____

Heating & Air Conditioning

Address: _____

Public Works License No. _____

Idaho HVAC Contractors License No. _____

Electrical

Address: _____

Public Works License No. _____

Idaho Electrical Contractors License No. _____

BASE BID - OFFER

Bidder agrees to perform all the work described in the Drawings and Specifications for the total lump sum bid of:

_____ (\$_____) Dollars, lawful money of the United States.

[Show amount in both words and figures; in event of discrepancy, the amount in words shall govern.]

BID FORM SIGNATURE

SUBMITTED on _____, 2019.

X _____
SIGNATURE

_____ Idaho Public Works Contractor License No.

_____ Print Name and Title

_____ License Expiration Date

_____ Contractor / Company

_____ Federal Tax ID #

_____ Address

_____ E-mail Address

_____ City, State, Zip

_____ Phone No.

_____ Fax No.

ATTENTION: Did you remember the Bid Security, Unit Prices Bid Form and Contractor's Affidavit Concerning Taxes?

- Bid Security in the form of a bid bond, certified check, cashier's check, or cash in an amount not less than five percent (5%) of the total amount of the bid is **REQUIRED**.
- Unit Prices Bid Form completed and signed is **REQUIRED**.
- Contractor's Affidavit Concerning Taxes is **REQUIRED**.

IF BID SECURITY, UNIT BID PRICES AND CONTRACTOR'S AFFIDAVIT ARE NOT INCLUDED, YOUR BID WILL BE CONSIDERED NON-RESPONSIVE.

END OF SECTION 00 41 13

SECTION 00 43 25 REQUEST FOR APPROVAL OF COMPARABLE PRODUCTS FORM

For use during bidding process only.

TO: _____ DATE: _____

TIME: _____

PROJECT NAME AND LOCATION: **PARKBOI PARKING GARAGES – LED LIGHT UPGRADES PROJECT**

We hereby submit for your consideration the following product instead of the specified item for the above project:

SECTION	PARAGRAPH	SPECIFIED ITEM
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Proposed Comparable Product: _____

Reason for Request: _____

Provide the following information either below or as attachments:

- A. Include complete information on changes to Drawings and/or Specifications that the proposed comparable product would require for its proper installation. Include complete technical data, including laboratory tests, if applicable.
- B. Provide evidence that the proposed product does not require substantive revisions to the Project Manual, that it is consistent with the Project Manual and will produce the indicated results, and that it is compatible with the other portions of the Work.
- C. Will the undersigned Bidder or interested individual pay for changes to the Project design, including engineering and detailing costs caused by the requested comparable product? Yes _____ No _____
- D. Provide description of differences between comparable product and specified item. Include detailed comparison of significant qualities of proposed product with those named in the Specifications. See Section 01 60 00 for more information.)
- E. What effect does comparable product have on other trades?
- F. Provide evidence that proposed product provides specified warranty.
- G. List similar installations for completed projects. For each project, provide the project name; contact information for key person responsible for project including name, address, telephone number and email address; and names, telephone numbers and email addresses for the owner and project engineer. Completed projects used as examples shall be accessible to Project Engineer and Owner.
- H. Provide Samples, if requested.
- I. Quantify the different in product cost, product delivery time and time of installation.

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.

Submitted By: _____

Firm: _____

Address: _____

Telephone: _____ Email: _____

Remarks:

Instructions/Information for Person Completing this Form (continues on following page)

Bidder's request for comparable product approval shall be in writing and shall be accompanied by a completed "Request for Approval of Comparable Product" Form.

1. Requests shall be submitted to the Project Engineer no later than 5:00 p.m., seven (7) days prior to bid due date.
2. Requests that are incomplete will be rejected.
3. Project Engineer shall make the determination whether to allow a comparable product no later than the last day for issuing addenda for project and shall issue an addendum notifying bidders that a comparable product has been approved.
4. Project Engineer and/or Owner may determine, in their sole discretion that there is insufficient information or time to analyze a product given the time allowed for a decision by the Project Engineer.

For Use by Project Engineer:

Recommended Recommended at noted By: _____
 Not recommended Received too late Date: _____

For Use by Owner:

_____ Approved _____ Rejected

Owner's Representative: _____ Date: _____

END OF SECTION 00 43 25

**SECTION 00 45 46 CONTRACTOR'S AFFIDAVIT CONCERNING TAXES
MUST EXECUTE AND SUBMIT WITH BID**

CONTRACTOR'S AFFIDAVIT CONCERNING TAXES

STATE OF _____

COUNTY OF _____

Pursuant to Chapter 15, Title 63, Idaho Code, I the undersigned, being duly sworn, depose and certify that all taxes, excises and license fees due to the State of Idaho and its taxing units, for which I or my property is liable, then due or delinquent, have been paid, or arrangements have been made, before entering into a contract for construction of any public works in the State of Idaho.

Contractor / Company

X _____
Authorized Representative Signature

Address

Print Name and Title

City, State, Zip

Subscribed and sworn to before me this _____ day of _____, 20_____.

Notary Public
Residing at: _____
Commission Expires: _____

END OF SECTION 00 45 46

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**STANDARD AGREEMENT AND GENERAL CONDITIONS
BETWEEN OWNER AND CONSTRUCTOR**

**PARKBOI GARAGES LED LIGHTING UPGRADES
9TH & MAIN GARAGE
CAPITOL & MAIN GARAGE**

(Lump Sum Price)

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ARTICLE 1 AGREEMENT

This Agreement is made this [redacted] day of [redacted] in the year 2019, by and between the

OWNER: Capital City Development Corporation (CCDC)
121 N. 9th Street, Suite 501
Boise, Idaho 83702

and the

CONSTRUCTOR: [redacted]
[redacted]
[redacted]

Tax identification number (TIN): [redacted]

Idaho Public Works Contractor License No. [redacted]

for construction services in connection with the following PROJECT:

- PARKBOI GARAGES LED LIGHTING UPGRADES**
- 9th & Main Garage – LED Lighting Upgrade Project**
Work Area: 9th & Main Garage, 848 West Main Street, Boise, Idaho 83702
- Capitol & Main Garage – LED Lighting Upgrade Project**
Work Area: Capitol & Main Garage, 765 West Idaho Street, Boise, Idaho 83702

Notice to the Parties shall be given at the above addresses.

The Owner’s Project Engineer is CSHQA, Jason Brunson, P.E.

The Owner’s Representative is Ben Houpt.

The Parties agree as set forth herein:

ARTICLE 2 GENERAL PROVISIONS

2.1 RELATIONSHIP OF PARTIES The Parties each agree to proceed with the Project on the basis of mutual trust, good faith, and fair dealing.

2.1.1 The Constructor shall furnish construction administration and management services and use the Constructor's diligent efforts to perform the Work in an expeditious manner consistent with the Contract Documents. The Parties shall each endeavor to promote harmony and cooperation among all Project participants.

2.1.2 The Constructor represents that it is an independent contractor and that in its performance of the Work it shall act as an independent contractor. Owner will have no right to control or direct the details, manner, or means by which Constructor accomplishes the results of the services performed hereunder.

2.1.3 The Constructor has no obligation to work any particular hours or days or any particular number of hours or days. Constructor agrees, however, that its other contracts and services shall not interfere with the performance of its services under this Agreement.

2.1.4 Neither the Constructor nor any of its agents or employees shall act on behalf of or in the name of the Owner except as provided in this Agreement or unless authorized in writing by the Owner's Representative.

2.1.5 The Parties shall perform their obligations with integrity, ensuring at a minimum that each: (a) avoids conflicts of interest and promptly discloses any to the other Party; and (b) warrants that it has not and shall not pay or receive any contingent fees or gratuities to or from the other Party, including its agents, officers, and employees, subcontractors, or others for whom they may be liable, to secure preferential treatment.

2.2 DESIGN PROFESSIONAL Owner's Design Professional is **CSHQA**. The Owner, through its Design Professional, shall provide all design services necessary for the completion of the Work. The Constructor shall not be required to provide professional services which constitute the practice of architecture, landscape architecture, or engineering.

2.2.1 The Owner shall obtain from the Design Professional either a license for Constructor and Subcontractors to use the design documents prepared by the Design Professionals or ownership of the copyrights for such design documents, and shall indemnify and hold harmless the Constructor against any suits or claims of infringement of any copyrights or licenses arising out of the use of the design documents for the Project.

2.3 DEFINITIONS

2.3.1 "Agreement" means this Standard Agreement and General Conditions Between Owner and Constructor, as modified, and exhibits and attachments made part of this agreement upon its execution. For purposes of this Agreement, the terms "Agreement" and "Contract" are equivalent.

2.3.2 "Business Day" means all Days, except weekends and official federal or state holidays where the Project is located.

2.3.3 "Change Order" is a written order signed by the Owner and the Constructor after execution of this Agreement, indicating changes in the scope of the Work, the Contract Price, or Contract Time, including substitutions proposed by the Constructor and accepted by the Owner.

2.3.4 "Contract Documents" consist of this Agreement, the existing Contract Documents listed in Section 14.1, drawings, specifications, addenda issued and acknowledged prior to execution of this Agreement, information furnished by the Owner pursuant to subsection 3.13.4, and modifications issued in accordance with this Agreement.

2.3.5 "Contract Price" is the amount indicated in section 7.1 of this Agreement.

2.3.6 "Contract Time" is the period between the Date of Commencement and Final Completion.

2.3.7 "Constructor" is the person or entity identified in Article 1 and includes the Constructor's Project Manager, designated by Constructor as having authority to represent, make decisions, and act on behalf of Constructor. For purposes of this Agreement, the terms Constructor and Contractor with the capitalized "C" are equivalent.

2.3.8 "Construction Period" is the period of time between the Date of Commencement stated in the Notice to Proceed and the date of Final Completion stated in the Certificate of Final Completion.

2.3.9 "Cost of the Work" means the costs and discounts specified in section 8.3.2.

2.3.10 "Date of Commencement" is as set forth in section 6.1.

2.3.11 "Day" means a calendar day.

2.3.12 "Defective Work" is any portion of the Work that does not conform with the Contract Documents.

2.3.13 "Design Professional" means the licensed architect or Engineer, and its consultants, retained by the Owner to perform design services for the Project.

2.3.14 "Final Completion" occurs on the date when the Constructor's obligations under this Agreement are complete and accepted by the Owner and final payment becomes due and payable. This date shall be confirmed by a Certificate of Final Completion signed by the Owner and the Constructor.

2.3.15 "Interim Directed Change" is a change to the Work directed by the Owner pursuant to section 8.2.

2.3.16 "Laws" mean federal, state, and local laws, ordinances, codes, rules, and regulations applicable to the Work with which the Constructor must comply that are enacted as of the Agreement date.

2.3.17 "Material Supplier" is a person or entity retained by the Constructor to provide material and equipment for the Work.

2.3.18 "Others" means other contractors/constructors, material suppliers, and persons at the Worksite who are not employed by the Constructor or Subcontractors.

2.3.19 "Overhead" means (a) payroll costs and other compensation of Constructor employees in the Constructor's principal and branch offices; (b) general and administrative expenses of the Constructor's principal and branch offices including charges against the Constructor for delinquent payments; and (c) the Constructor's capital expenses, including interest on capital used for the Work.

2.3.20 "Owner" is the person or entity identified in 0 and includes the Owner's Representative.

2.3.21 "Owner's Representative" is the individual employed by the Owner who shall be fully acquainted with the Project, shall act as the prime point of contact between Owner and Owner's Project Engineer, shall provide the Owner's instructions to Owner's Project Engineer, and shall have authority to bind the Owner in all matters requiring the Owner's approval, authorization, or written notice.

2.3.22 "Parties" are collectively the Owner and the Constructor.

2.3.23 "Project," as identified in 0, is the construction, installation, repair or other improvements for which the Constructor is to perform Work under this Agreement. It may also include construction by the Owner or Others.

2.3.24 "Project Engineer" is the individual retained by the Owner to perform day-to-day field observations of the Project on Owner's behalf and shall be the prime point of contact for Constructor. The Project Engineer shall possess full authority to receive instructions from Owner and to act on those instructions.

2.3.25 "Schedule of the Work" is the document prepared by the Constructor that specifies the dates on which the Constructor plans to begin and complete various parts of the Work, including dates on which information and approvals are required from the Owner.

2.3.26 "Subcontractor" is a person or entity retained by the Constructor as an independent contractor to provide the labor, materials, equipment, or services necessary to complete a specific portion of the Work. The term Subcontractor does not include the Design Professional or Others. All subcontractors shall hold valid Public Works Contractor licenses pursuant to Idaho Code § 54-1902.

2.3.27 "Substantial Completion" of the Work occurs on the date when the Work is sufficiently complete in accordance with the Contract Documents so that the Owner may occupy or utilize the Project, or a designated portion, for the use for which it is intended, without unscheduled disruption. This date shall be confirmed by a Certificate of Substantial Completion signed by the Owner and Constructor.

2.3.28 "Subsubcontractor" is a person or entity who has an agreement with a Subcontractor or another Subsubcontractor to perform a portion of the Subcontractor's Work.

2.3.29 "Terrorism" means a violent act, or an act that is dangerous to human life, property, or infrastructure, that is committed by an individual or individuals and that appears to be part of an effort to coerce a civilian population or to influence the policy or affect the conduct of any government by coercion. Terrorism includes, but is not limited to, any act certified by the United States government as an act of terrorism pursuant to the Terrorism Risk Insurance Act, as amended.

2.3.30 "Work" means the construction and services necessary or incidental to fulfill the Constructor's obligations for the Project in conformance with this Agreement and the other Contract Documents. The Work may refer to the whole Project or only a part of the Project if work is also being performed by the Owner or Others.

2.3.30.1 "Changed Work" means work that is different from the original scope of Work; or work that changes the Contract Price or Contract Time.

2.3.31 "Worksite" means the geographical area of the Project Location as identified in 0 where the Work is to be performed.

ARTICLE 3 CONSTRUCTOR'S RESPONSIBILITIES

3.1 GENERAL RESPONSIBILITIES

3.1.1 The Constructor shall provide all labor, materials, equipment, and services (except those items specifically identified in the Contract Documents as products, equipment, systems or materials that Owner shall provide) necessary to complete the Work, all of which shall be provided in full accord with and reasonably inferable from the Contract Documents.

3.1.2 The Constructor shall be responsible for the supervision and coordination of the Work, including the construction means, methods, techniques, sequences, and procedures utilized, unless the Contract Documents give other specific instructions. In such case, the Constructor shall not be liable to the Owner for damages resulting from compliance with such instructions unless the Constructor recognized and failed to timely report to the Project Engineer any error, inconsistency, omission, or unsafe practice that it discovered in the specified construction means, methods, techniques, sequences, or procedures.

3.1.3 The Constructor shall perform Work only within locations allowed by the Contract Documents, Laws, and applicable permits.

3.2 COOPERATION WITH WORK OF OWNER AND OTHERS

3.2.1 The Owner may perform work at the Worksite directly or by Others. Any agreements with Others to perform construction or operations related to the Project shall include provisions pertaining to insurance, indemnification, waiver of subrogation, consequential damages, coordination, interference, cleanup, and safety that are substantively the same as the corresponding provisions of this Agreement.

3.2.2 If the Owner elects to perform work at the Worksite directly or by Others, the Constructor and the Owner shall coordinate the activities of all forces at the Worksite and agree upon fair and reasonable schedules and operational procedures for Worksite activities. The Owner shall require each separate contractor to cooperate with the Constructor and assist with the coordination of activities and the review of construction schedules and operations. The Contract Price and Contract Time shall be equitably adjusted, as mutually agreed by the Parties, for changes made necessary by the coordination of construction activities, and the Schedule of the Work shall be revised accordingly. The Constructor, the Owner, and Others shall adhere to the revised construction schedule.

3.2.3 With regard to the work of the Owner and Others, the Constructor shall: (a) proceed with the Work in a manner that does not hinder, delay, or interfere with the work of the Owner or Others or cause the work of the Owner or Others to become defective; (b) afford the Owner or Others reasonable access for introduction and storage of their materials and equipment and performance of their activities; and (c) coordinate the Constructor's Work with theirs.

3.2.4 Before proceeding with any portion of the Work affected by the construction or operations of the Owner or Others, the Constructor shall give the Owner prompt written notification of any defects the Constructor discovers in their work which will prevent the proper execution of the Work. The Constructor's obligations in this subsection do not create a responsibility for the work of the Owner or Others, but are for the purpose of facilitating the Work. If the Constructor does not notify the Owner of defects interfering with the performance of the Work, the Constructor acknowledges that the work of the Owner or Others is not defective and is acceptable for the proper execution of the Work. Following receipt of written notice from the Constructor of defects, the Owner shall promptly inform the Constructor what action, if any, the Constructor shall take with regard to the defects.

3.3 RESPONSIBILITY FOR PERFORMANCE

3.3.1 Prior to commencing the Work, the Constructor shall examine and compare the drawings and specifications with information furnished by the Owner that are Contract Documents, relevant field measurements made by the Constructor, and any visible conditions at the Worksite affecting the Work.

3.3.2 Should the Constructor discover any errors, omissions, or inconsistencies in the Contract Documents, the Constructor shall promptly report them to Owner's Project Engineer and Owner's Representative. It is recognized, however, that the Constructor is not acting in the capacity of a licensed design professional, and that the Constructor's examination is to facilitate construction and does not create an affirmative responsibility to detect errors, omissions, or inconsistencies or to ascertain compliance with applicable laws, building codes, or regulations. Following receipt of written notice from the Constructor of defects, the Owner shall promptly inform the Constructor what action, if any, the Constructor shall take with regard to the defects.

3.3.3 The Constructor shall have no liability for errors, omissions, or inconsistencies discovered under this section 3.3 unless the Constructor knowingly fails to report a recognized problem to the Owner's Project Engineer and Owner's Representative.

inspections, and approvals required by the Contract Documents, which, unless otherwise agreed to, shall be conducted by an independent testing laboratory or entity retained by the Owner. Unless otherwise required by the Contract Documents, required certificates of testing, approval, or inspection shall be secured by the Constructor and promptly delivered to the Project Engineer, with copies to the Owner's Representative.

3.7.2 If the Owner or appropriate authorities determine that tests, inspections, or approvals in addition to those required by the Contract Documents will be necessary, the Constructor shall arrange for the procedures and give timely notice to the Owner and Others who may observe the procedures. Costs of the additional tests, inspections, or approvals are at the Owner's expense except as provided in subsection 3.7.3.

3.7.3 If the procedures described in the two subsections above indicate that portions of the Work fail to comply with the Contract Documents due to negligence of the Constructor, the Constructor shall be responsible for costs of correction and retesting.

3.8 WARRANTY

3.8.1 The Constructor warrants that all materials and equipment shall be new unless otherwise specified, of good quality, in conformance with the Contract Documents, and free from defective workmanship and materials. At the Owner's request, the Constructor shall furnish satisfactory evidence of the quality and type of materials and equipment furnished. The Constructor further warrants that the Work shall be free from material defects not intrinsic in the design or materials required in the Contract Documents. The Constructor's warranty does not include remedies for defects or damages caused by normal wear and tear during normal usage, use for a purpose for which the Project was not intended, improper or insufficient maintenance, modifications performed by the Owner or Others, or abuse. The Constructor's warranty shall commence on the Date of Substantial Completion of the Work, or of a designated portion.

3.8.2 To the extent products, equipment, systems or materials incorporated in the Work are specified and purchased by the Owner, they shall be covered exclusively by the warranty of the manufacturer. There are no warranties which extend beyond the description on the face of any such warranty.

3.8.3 The Constructor shall obtain from its Subcontractors and Material Suppliers any special or extended warranties required by the Contract Documents. All such warranties shall be listed in an attached exhibit to this Agreement. After that period, the Constructor shall provide reasonable assistance to the Owner in enforcing the obligations of Subcontractors or Material Suppliers for such extended warranties.

3.9 CORRECTION OF WORK WITHIN TWO YEARS

3.9.1 If, prior to Substantial Completion and within two years after the date of Substantial Completion of the Work, any Defective Work is found, the Owner shall promptly notify the Constructor in writing. Unless the Owner provides written acceptance of the condition, the Constructor shall promptly correct the Defective Work at its own cost and time and bear the expense of additional services required for correction of any Defective Work for which it is responsible. If within the two-year correction period the Owner discovers and does not promptly notify the Constructor or give the Constructor an opportunity to test or correct Defective Work as reasonably requested by the Constructor, the Owner waives the Constructor's obligation to correct that Defective Work as well as the Owner's right to claim a breach of the warranty with respect to that Defective Work.

3.9.2 With respect to any portion of Work first performed after Substantial Completion, the two-year correction period shall be extended by the period of time between Substantial Completion and the

actual performance of the later Work. Correction periods shall not be extended by corrective work performed by the Constructor.

3.9.3 If the Constructor fails to correct Defective Work within a reasonable time after receipt of written notice from the Owner prior to final payment, the Owner may correct it in accordance with the Owner's right to carry out the Work. In such case, an appropriate Change Order shall be issued deducting the cost of correcting the Defective Work from payments then or thereafter due the Constructor. If payments then or thereafter due the Constructor are not sufficient to cover such amounts, the Constructor shall pay the difference to the Owner within forty-five (45) days.

3.9.4 The Constructor's obligations and liability, if any, with respect to any Defective Work discovered after the two-year correction period shall be determined by the Law. If, after the two-year correction period but before the applicable limitation period has expired, the Owner discovers any Work which the Owner considers Defective Work, the Owner shall, unless the Defective Work requires emergency correction, promptly notify the Constructor and allow the Constructor an opportunity to correct the Work if the Constructor elects to do so. If the Constructor elects to correct the Work, it shall provide written notice of such intent within fourteen (14) Days of its receipt of notice from the Owner and shall complete the correction of Work within a mutually agreed timeframe. If the Constructor does not elect to correct the Work, the Owner may have the Work corrected by itself or Others, and, if the Owner intends to seek recovery of those costs from the Constructor, the Owner shall promptly provide the Constructor with an accounting of the correction costs it incurs.

3.9.5 If the Constructor's correction or removal of Defective Work causes damage to or destroys other completed or partially completed Work or existing buildings, the Constructor shall be responsible for the cost of correcting the destroyed or damaged property.

3.9.6 The two-year period for correction of Defective Work does not constitute a limitation period with respect to the enforcement of the Constructor's other obligations under the Contract Documents.

3.9.7 Prior to final payment, at the Owner's option and with the Constructor's agreement, the Owner may elect to accept Defective Work rather than require its removal and correction. In such case, the Contract Price shall be equitably adjusted for any diminution in the value of the Project caused by such Defective Work.

3.10 CORRECTION OF COVERED WORK

3.10.1 On request of the Project Engineer, Work that has been covered without a requirement that it be inspected prior to being covered may be uncovered for the Project Engineer's and, if desired the Owner's inspection. The Owner shall pay for the costs of uncovering and replacement if the Work proves to be in conformance with the Contract Documents, or if the defective condition was caused by the Owner or Others. If the uncovered Work proves to be defective, the Constructor shall pay the costs of uncovering and replacement.

3.10.2 If, contrary to specific requirements in the Contract Documents or contrary to a specific request from the Project Engineer or Owner, a portion of the Work is covered, the Project Engineer or Owner, by written request, may require the Constructor to uncover the Work for the Project Engineer's and, if desired the Owner's observation. In this circumstance, the Work shall be replaced at the Constructor's expense and with no adjustment to the Contract Time.

3.11 SAFETY OF PERSONS AND PROPERTY

3.11.1 SAFETY PRECAUTIONS AND PROGRAMS The Constructor shall have overall responsibility for safety precautions and programs in the performance of the Work. However, such

obligation does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work or for compliance with Laws.

3.11.2 The Constructor shall seek to avoid injury, loss, or damage to persons or property by taking reasonable steps to protect: (a) its employees and other persons at the Worksite; (b) materials and equipment stored at onsite or offsite locations for use in the Work; and (c) property located at the Worksite and adjacent to Work areas, whether or not the property is part of the Worksite.

3.11.3 CONSTRUCTOR'S SAFETY REPRESENTATIVE The Constructor's Worksite safety representative is [REDACTED], who shall act as the Constructor's Worksite safety representative with a duty to prevent accidents. If no individual is identified in this subsection, the Constructor's safety representative shall be the Constructor's Project Manager. The Constructor shall report promptly in writing to the Project Engineer, with a copy to the Owner's Representative, all recordable accidents and injuries occurring at the Worksite. When the Constructor is required to file an accident report with a public authority, the Constructor shall furnish a copy of the report to the Project Engineer and Owner's Representative.

3.11.4 The Constructor shall provide the Project Engineer and Owner's Representative with copies of all notices required of the Constructor by law or regulation. The Constructor's safety program shall comply with the requirements of governmental and quasi-governmental authorities having jurisdiction.

3.11.5 Damage or loss not insured under property insurance which may arise from the Work, to the extent caused by the negligent acts or omissions of the Constructor, or anyone for whose acts the Constructor may be liable, shall be promptly remedied by the Constructor.

3.11.6 If the Project Engineer deems any part of the Work or Worksite unsafe, the Project Engineer, without assuming responsibility for the Constructor's safety program, may require the Constructor to stop performance of the Work or take corrective measures satisfactory to the Project Engineer, or both. If the Constructor does not adopt corrective measures, the Owner may perform them and deduct their cost from the Contract Price. The Constructor agrees to make no claim for damages, for an increase in the Contract Price or for a change in the Contract Time based on the Constructor's compliance with the Project Engineer's or Owner's reasonable request.

3.12 EMERGENCIES In an emergency affecting the safety of persons or property, the Constructor shall act in a reasonable manner to prevent threatened damage, injury, or loss. If appropriate, an equitable adjustment in the Contract Price or Contract Time resulting from the actions of the Constructor in an emergency situation shall be determined as provided for in ARTICLE 8.

3.13 HAZARDOUS MATERIALS

3.13.1 A Hazardous Material is any substance or material identified now or in the future as hazardous under Laws, or any other substance or material that may be considered hazardous or otherwise subject to statutory or regulatory requirement governing handling, disposal, or cleanup. The Constructor shall not be obligated to commence or continue work until any Hazardous Material discovered at the Worksite has been removed, rendered, or determined to be harmless by the Owner as certified by an independent testing laboratory and approved by the appropriate governmental agency.

3.13.2 If after commencing the Work, Hazardous Material is discovered at the Worksite, the Constructor shall be entitled to immediately stop Work in the affected area. The Constructor shall promptly report the condition to the Project Engineer and Owner's Representative and, if required, the governmental agency with jurisdiction.

3.13.3 The Constructor shall not be required to perform any Work relating to or in the area of Hazardous Material without written mutual agreement.

3.13.4 The Owner shall be responsible for retaining an independent testing laboratory to determine the nature of the material encountered and whether the material requires corrective measures or remedial action. Such measures shall be the sole responsibility of the Owner, and shall be performed in a manner minimizing any adverse effect upon the Work. The Constructor shall resume Work in the area affected by any Hazardous Material only upon written agreement between the Parties after the Hazardous Material has been removed or rendered harmless and only after approval, if necessary, of the governmental agency with jurisdiction.

3.13.5 If the Constructor incurs additional costs or is delayed due to the presence or remediation of Hazardous Material, the Constructor shall be entitled to an equitable adjustment in the Contract Price or the Contract Time.

3.13.6 To the extent permitted by section 6.9 and to the extent not caused by the negligent acts or omissions of the Constructor, its Subcontractors and Subsubcontractors, and the agents, officers, directors, and employees of each of them, the Owner shall defend, indemnify, and hold harmless the Constructor, its Subcontractors and Subsubcontractors, and the agents, officers, directors, and employees of each of them, from and against all claims, damages, losses, costs, and expenses, including but not limited to reasonable attorneys' fees, costs, and expenses incurred in connection with any dispute resolution process, arising out of or relating to the performance of the Work in any area affected by Hazardous Material.

3.13.7 MATERIALS BROUGHT TO THE WORKSITE

3.13.7.1 Material Safety Data (MSD) sheets as required by law and pertaining to materials or substances used or consumed in the performance of the Work, whether obtained by the Constructor, Subcontractors, the Owner, or Others, shall be maintained at the Worksite by the Constructor and made available to the Project Engineer, Subcontractors, and Others.

3.13.7.2 The Constructor shall be responsible for the proper delivery, handling, application, storage, removal, and disposal of all materials and substances brought to the Worksite by the Constructor, its Subcontractors, or both, in accordance with the Contract Documents and used or consumed in the performance of the Work.

3.13.7.3 To the extent caused by the negligent acts or omissions of the Constructor, its agents, officers, directors, and employees, the Constructor shall indemnify and hold harmless the Owner, its agents, officers, directors, and employees, from and against any and all claims, damages, losses, costs, and expenses, including but not limited to attorneys' fees, costs, and expenses incurred in connection with any dispute resolution procedure, arising out of or relating to the delivery, handling, application, storage, removal, and disposal of all materials and substances brought to the Worksite by the Constructor, its Subcontractors, or both, in accordance with the Contract Documents.

3.13.7.4 This section 3.13.7 shall survive the completion of the Work or any termination of this Agreement.

3.14 SUBMITTALS

3.14.1 The Constructor shall submit to the Project Engineer all shop drawings, samples, product data, and similar submittals required by the Contract Documents for review and approval. The Constructor shall be responsible for the accuracy and conformity of its submittals to the Contract Documents. At no additional cost, the Constructor shall prepare and deliver its submittals in a manner consistent with the Schedule of the Work and in such time and sequence so as not to delay the performance of the Work or the work of the Owner and Others. Constructor submittals shall identify in writing for each submittal all changes, deviations, or substitutions from the requirements of the Contract Documents. The approval of any Constructor submittal shall not be deemed to

authorize changes, deviations or substitutions from the requirements of the Contract Documents unless express written approval is obtained from the Project Engineer specifically authorizing such deviation, substitution or change. To the extent a change, deviation or substitution causes an impact to the Contract Price or Contract Time, such approval shall be promptly memorialized in a Change Order. Neither the Project Engineer nor Owner shall make any change, deviation or substitution through the submittal process without specifically identifying and authorizing such deviation to the Constructor.

3.14.2 The Constructor agrees upon request to submit in a timely fashion to the Project Engineer, with copies to the Owner's Representative, for review any shop drawings, samples, product data, manufacturers' literature or similar submittals as may reasonably be required by the Project Engineer.

3.14.3 The Constructor shall perform all Work strictly in accordance with approved submittals. Approval of shop drawings is not an authorization to perform changed work, unless the procedures of ARTICLE 8 are followed. Approval does not relieve the Constructor from responsibility for Defective Work resulting from errors or omissions on the approved shop drawings.

3.14.4 No substitutions shall be made in the Work unless permitted in the Contract Documents and then only after the Constructor obtains approvals required under the Contract Documents for substitutions. All such substitutions shall be promptly memorialized in a Change Order no later than seven (7) Days following approval by the Project Manager and the Owner and, if applicable, Design Professional provide for an adjustment in the Contract Price or Contract Time.

3.14.5 As-Built Documents: The Constructor shall maintain at the Worksite for the Owner one (1) copy of each of the Drawings and Specifications, Addenda, Change Orders, and other modifications, in good order and marked to indicate field changes and selections made during construction; and one (1) copy or sample of approved shop Drawings, Product Data, Samples, and similar required submittals.

3.15.5.1 General: Retain copy of each submittal made and each Addenda, Change Order, and Contract amendment issued affecting Contract Documents during the Construction Period for Project As-Built Document purposes. Post changes and modifications to Project As-Built Documents as they occur; do not wait until the end of the Project.

3.15.5.2 Maintenance of As-Built Documents: Store Project As-Built Documents in the field apart from the Contract Documents used for construction. Do not use Project As-Built Documents for construction purposes. Maintain Project As-Built Documents in good order and in clean, dry, legible condition, protected from deterioration and loss. Provide access to Project As-Built Documents for Project Engineer's reference during normal working hours.

- (a) Project Engineer shall evaluate As-Built Drawings for document condition, order, legibility, accuracy and completeness. Project Engineer shall notify Constructor of acceptance or request revisions or replacements and resubmittal. Constructor shall supply acceptable As-Built Drawings within seven (7) Days and prior to Final Payment for the Project.
- (b) Project Engineer shall be responsible for creating digital Record Drawings incorporating the mark-ups on the As-Built Drawings submitted by the Constructor. Project Engineer will issue digital Record Drawings to the Constructor and Owner within fourteen (14) Days following Final Payment and distribute a minimum of one (1) copy each of Record Drawings to Owner, Landscape Engineer and Constructor.

3.15.8.4 As Built Specifications and Record Specifications: Maintain at the Worksite for the Owner a copy of Contract Documents for purposes of annotating where the actual product installation varies from that indicated. Submit the annotated portions of the Contract Documents to Project Engineer prior to requesting a Substantial Completion Inspection. Project Engineer may request corrections from the Constructor to make the submittal more legible and complete. Project Engineer shall be responsible for maintaining its own records on variations in product installations, assembling Record Specifications for the Project in a digital format and for distributing them to the Owner and Constructor at the conclusion of the Project. In preparing the Record Specifications, Project Engineer shall:

- (a) Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
- (b) Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
- (c) Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
- (d) Note related Change Orders and Record Drawings where applicable.

3.15 WORKSITE CONDITIONS

3.15.1 WORKSITE VISIT The Constructor acknowledges that it has visited, or has had the opportunity to visit, the Worksite to visually inspect the general and local conditions which could affect the Work.

3.15.2 CONCEALED OR UNKNOWN SITE CONDITIONS If the conditions encountered at the Worksite are (a) subsurface or other physical conditions materially different from those indicated in the Contract Documents, or (b) unusual and unknown physical conditions materially different from conditions ordinarily encountered and generally recognized as inherent in Work provided for in the Contract Documents, the Constructor shall stop affected Work after the condition is first observed and give prompt written notice of the condition to the Project Engineer. The Constructor shall not be required to perform any Work relating to the unknown condition without the written mutual agreement of the Parties. Any change in the Contract Price or the Contract Time as a result of the unknown condition shall be determined as provided in ARTICLE 8.

3.16 PERMITS AND TAXES

3.16.1 The Constructor shall give public authorities all notices required by law and shall obtain and pay for all necessary permits, licenses, and renewals pertaining to the Work. The Constructor shall provide to the Project Engineer and the Owner's Representative copies of all notices, permits, licenses, and renewals required under this Agreement.

3.16.2 The Constructor shall pay all applicable taxes enacted when bids are received or negotiations concluded for the Work provided by the Constructor.

3.16.3 If, in accordance with the Owner's direction, the Constructor claims an exemption for taxes, the Owner shall indemnify and hold the Constructor harmless from any liability, penalty, interest, fine, tax assessment, attorneys' fees, or other expense or cost incurred by the Constructor as a result of any such action.

3.17 CUTTING, FITTING, AND PATCHING

3.17.1 The Constructor shall perform cutting, fitting and patching necessary to coordinate the various parts of the Work and to prepare its Work for the work of the Owner or Others.

3.17.2 Cutting, patching or altering the work of the Owner or Others shall be done with the prior written approval of the Owner. Such approval shall not be unreasonably withheld.

3.18 CLEANING UP

3.18.1 The Constructor shall regularly remove debris and waste materials at the Worksite resulting from the Work. Prior to discontinuing Work in an area, the Constructor shall clean the area and remove all rubbish and its construction equipment, tools, machinery, waste, and surplus materials. The Constructor shall minimize and confine dust and debris resulting from construction activities. At the completion of the Work, the Constructor shall remove from the Worksite all construction equipment, tools, surplus materials, waste materials, and debris.

3.18.2 If the Constructor fails to commence compliance with cleanup duties within two (2) Business Days after written notification from the Project Engineer of non-compliance, the Project Engineer may implement appropriate cleanup measures without further notice and shall deduct the reasonable costs from any amounts due or to become due the Constructor in the next payment period.

3.19 ACCESS TO WORK The Constructor shall facilitate the access of the Project Engineer, Owner, and Others to Work in progress.

3.20 COMPLIANCE WITH LAWS The Constructor shall comply with all Laws at its own costs. The Constructor shall be liable to the Owner for all loss, cost, or expense attributable to any acts or omissions by the Constructor, its employees, subcontractors, and agents for failure to comply with Laws, including fines, penalties, or corrective measures. However, liability under this section shall not apply if notice to the Project Engineer was given, and advance approval by appropriate authorities, including the Owner, is received.

3.20.1 The Contract Price or Contract Time shall be equitably adjusted by Change Order for additional costs resulting from any changes in Laws, including increased taxes, which were not reasonably anticipated and then enacted after the date of this Agreement.

3.21 CONFIDENTIALITY Unless compelled by law, a governmental agency or authority, an order of a court of competent jurisdiction, or a validly issued subpoena, the Constructor shall treat as confidential and not disclose to third-persons, except Subcontractors, Subsubcontractors, and Material Suppliers as is necessary for the performance of the Work, or use for its own benefit, any of the Owner's confidential information, know-how, discoveries, production methods, and the like that may be disclosed to the Constructor or which the Constructor may acquire in connection with the Work. The Owner shall treat as confidential information, all of the Constructor's estimating systems and historical and parameter cost data that may be disclosed to the Owner in connection with the performance of this Agreement. The Owner and the Constructor shall each specify those items to be treated as confidential and shall mark them as "Confidential." In the event of a legal compulsion or other order seeking disclosure of any Confidential Information, the Constructor or Owner, as the case may be, shall promptly notify the other Party to permit that Party's legal objection, if necessary.

ARTICLE 4 OWNER'S RESPONSIBILITIES

4.1 INFORMATION AND SERVICES Any information or services to be provided by Owner shall be fulfilled with reasonable detail and in a timely manner.

4.2 WORKSITE INFORMATION To the extent the Owner has obtained, or is required elsewhere in the Contract Documents to obtain, the following Worksite information, the Owner shall provide at the Owner's expense and with reasonable promptness:

4.2.1 Information describing the physical characteristics of the Worksite, including surveys, Worksite evaluations, legal descriptions, data or drawings depicting existing conditions, subsurface conditions, and environmental studies, reports, and investigations. Legal descriptions shall include easements, title restrictions, boundaries, and zoning restrictions. Worksite descriptions shall include existing buildings and other construction and all other pertinent Worksite conditions. Adjacent property descriptions shall include structures, streets, sidewalks, alleys, and other features relevant to the Work. Utility details shall include available services, lines at the Worksite and adjacent thereto, and connection points. The information shall include public and private information, subsurface information, grades, contours, and elevations, drainage data, exact locations and dimensions, and benchmarks that can be used by the Constructor in laying out the Work;

4.2.2 Tests, inspections, and other reports dealing with environmental matters, Hazardous Material and other existing conditions, including structural, mechanical, and chemical tests, required by the Contract Documents or by Law; and

4.2.3 Any other information or services requested in writing by the Constructor which are required for the Constructor's performance of the Work and under the Owner's control.

4.3 OWNER'S CUTTING AND PATCHING Cutting, patching, or altering the Work by the Owner or Others shall be done with the prior written approval of the Constructor, which approval shall not be unreasonably withheld.

4.4 OWNER'S RIGHT TO CLEAN UP In case of a dispute between the Constructor and Others with regard to respective responsibilities for cleaning up at the Worksite, the Owner may implement appropriate cleanup measures after two (2) Business Days' notice and allocate the cost among those responsible during the following pay period.

4.5 COST OF CORRECTING DAMAGED OR DESTROYED WORK With regard to damage or loss attributable to the acts or omissions of the Owner or Others and not to the Constructor, the Owner may either (1) promptly remedy the damage or loss or (2) accept the damage or loss. If the Constructor incurs additional costs or is delayed due to such loss or damage, the Constructor shall be entitled to an equitable adjustment in the Contract Price or Contract Time.

ARTICLE 5 SUBCONTRACTS

5.1 SUBCONTRACTORS The Work not performed by the Constructor with its own forces shall be performed by Subcontractors holding valid Public Works Contractor licenses pursuant to Idaho Code § 54-1902. All subcontracts shall be issued on a lump sum basis unless the Owner has given prior written approval of a different method of payment to the Subcontractor.

5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK Promptly after the award of this Agreement, the Constructor shall provide the Project Engineer and Owner's Representative with a written list of the proposed Subcontractors and significant Material suppliers.

5.3 BINDING OF SUBCONTRACTORS AND MATERIAL SUPPLIERS The Constructor agrees to bind every Subcontractor and Material Supplier (and require every Subcontractor to so bind its subcontractors

and material suppliers) to all the provisions of this Agreement and the Contract Documents as they apply to the Subcontractor's or Material Supplier's portions of the Work.

5.4 CONTINGENT ASSIGNMENT OF SUBCONTRACTS

5.4.1 If this Agreement is terminated, each subcontract and supply agreement shall be assigned by the Constructor to the Owner, subject to the prior rights of any surety, provided that:

5.4.1.1 this Agreement is terminated by the Owner pursuant to sections 11.3 or 11.4; and

5.4.1.2 the Owner accepts such assignment after termination by notifying the Subcontractor and Constructor in writing, and assumes all rights and obligations of the Constructor pursuant to each subcontract agreement.

5.4.2 If the Owner accepts such an assignment, and the Work has been suspended for more than thirty (30) consecutive Days, following termination, if appropriate, the Subcontractor's compensation shall be equitably adjusted as a result of the suspension.

ARTICLE 6 TIME

6.1 DATE OF COMMENCEMENT The Constructor shall not commence the Work until it receives a written notice to proceed from the Owner. The notice to proceed shall identify the Date of Commencement.

6.2 SUBSTANTIAL/FINAL COMPLETION Substantial Completion of the Work shall be achieved in SIXTY-NINE (69) Days from the Date of Commencement. Unless otherwise specified in the Certificate of Substantial Completion, the Constructor shall achieve Final Completion within TWENTY-ONE (21) Days after the date of Substantial Completion. The deadlines for Substantial and Final Completion are subject to adjustments as provided for in the Contract Documents.

6.3 Time is of the essence for this Agreement and the Contract Documents.

6.4 Unless instructed by the Owner in writing, the Constructor shall not knowingly commence the Work before the effective date of insurance and bonds to be provided by the Constructor or the Owner as required by the Contract Documents.

6.5 SCHEDULE OF THE WORK

6.5.1 Before submitting the first application for payment, the Constructor shall submit to the Project Engineer and Owner's Representative for approval a Schedule of the Work showing the dates on which the Constructor plans to commence and complete various parts of the Work, including dates on which information and approvals are required from the Project Engineer. The Constructor shall comply with the approved Schedule of the Work, unless directed by the Project Engineer to do otherwise or the Constructor is otherwise entitled to an adjustment in the Contract Time. The Constructor shall update the Schedule of the Work on a monthly basis or at appropriate intervals as required by the conditions of the Work and the Project.

6.5.2 The Project Engineer may determine the sequence in which the Work shall be performed, provided it does not unreasonably interfere with the Schedule of the Work. The Owner may require the Constructor to make reasonable changes in the sequence at any time during the performance of the Work in order to facilitate the performance of work by the Owner or Others. To the extent such changes increase the Constructor's costs or time, the Contract Price and Contract Time shall be equitably adjusted.

6.6 DELAYS AND EXTENSIONS OF TIME

6.6.1 If the Constructor is delayed at any time in the commencement or progress of the Work by any cause beyond the control of the Constructor, the Constructor shall be entitled to an equitable extension of the Contract Time. Examples of causes beyond the control of the Constructor include, but are not limited to, the following: (a) acts or omissions of the Project Engineer, Owner, or Others; (b) changes in the Work or the sequencing of the Work ordered by the Project Engineer or Owner, or arising from decisions of the Project Engineer or Owner that impact the time of performance of the Work; (c) encountering Hazardous Materials, or concealed or unknown conditions; (d) delay authorized by the Project Engineer or Owner pending dispute resolution or suspension by the Owner under section 11.1; (e) transportation delays not reasonably foreseeable; (f) labor disputes not involving the Constructor; (g) general labor disputes impacting the Project but not specifically related to the Worksite; (h) fire; (i) Terrorism; (j) epidemics; (k) adverse governmental actions; (l) unavoidable accidents or circumstances; (m) adverse weather conditions not reasonably anticipated. The Constructor shall submit any requests for equitable extensions of Contract Time in accordance with the provisions of ARTICLE 8.

6.6.2 In addition, if the Constructor incurs additional costs as a result of a delay that is caused by items (a) through (d) immediately above, the Constructor shall be entitled to an equitable adjustment in the Contract Price subject to section 6.9.

6.6.3 NOTICE OF DELAYS If delays to the Work are encountered for any reason, the Constructor shall provide prompt written notice to the Project Engineer with a copy to the Owner's Representative of the cause of such delays after the Constructor first recognizes the delay. The Owner and the Constructor agree to take reasonable steps to mitigate the effect of such delays.

6.7 NOTICE OF DELAY CLAIMS If the Constructor requests an equitable extension of the Contract Time or an equitable adjustment in the Contract Price as a result of a delay described in the section above, the Constructor shall give the Owner written notice of the claim in accordance with section 8.4. If the Constructor causes delay in the completion of the Work, the Owner shall be entitled to recover its additional costs subject to section 6.9. The Owner shall process any such claim against the Constructor in accordance with ARTICLE 8.

6.8 LIQUIDATED DAMAGES

6.8.1 SUBSTANTIAL COMPLETION The Owner and the Constructor agree that this Agreement shall provide for the imposition of liquidated damages based on the Date of Substantial Completion.

6.8.1.1 The Constructor understands that if the Date of Substantial Completion established by this Agreement, as may be amended by subsequent Change Order, is not attained, the Owner will suffer damages which are difficult to determine and accurately specify. The Constructor agrees that if the Date of Substantial Completion is not attained, the Constructor shall pay the Owner THREE HUNDRED DOLLARS (\$300.00) as liquidated damages and not as a penalty for each Day that Substantial Completion extends beyond the Date of Substantial Completion. The liquidated damages provided herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties, and any other damages of whatsoever nature incurred by the Owner which are occasioned by any delay in achieving the Date of Substantial Completion.

6.8.2 FINAL COMPLETION The Owner and the Constructor agree that this Agreement shall provide for the imposition of liquidated damages based on the Date of Final Completion.

6.8.2.1 The Constructor understands that if the Date of Final Completion established by this Agreement, as may be amended by subsequent Change Order, is not attained, the Owner will suffer damages which are difficult to determine and accurately specify. The Constructor agrees that if the Date of Final Completion is not attained, the Constructor shall pay the

Owner THREE HUNDRED DOLLARS (\$300.00) as liquidated damages and not as a penalty for each Day that Final Completion extends beyond the Date of Final Completion. The liquidated damages provided herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties, and any other damages of whatsoever nature incurred by the Owner which are occasioned by any delay in achieving the Date of Final Completion.

6.8.3 OTHER LIQUIDATED DAMAGES The Owner and the Constructor may agree upon the imposition of liquidated damages based on other project milestones or performance requirements. Such agreement shall be included as an exhibit to this Agreement.

6.9 LIMITED MUTUAL WAIVER OF CONSEQUENTIAL DAMAGES Except for damages mutually agreed upon by the Parties as liquidated damages in subsections 6.8 and excluding losses covered by insurance required by the Contract Documents, the Owner and the Constructor agree to waive all claims against each other for any consequential damages that may arise out of or relate to this Agreement, except for those specific items of damages excluded from this waiver as mutually agreed upon by the Parties and identified below. The Owner agrees to waive damages, including but not limited to the Owner's rental expenses incurred, loss of financing related to the Project, as well as the loss of financing not related to this Project, loss of reputation, or insolvency. The Constructor agrees to waive damages, including but not limited to loss of business, loss of financing, loss of profits not related to this Project, loss of bonding capacity, loss of reputation, or insolvency. The provisions of this section shall also apply to the termination of this Agreement and shall survive such termination.

6.9.1 The Owner and the Constructor shall require similar waivers in contracts with Subcontractors and Others retained for the Project.

ARTICLE 7 PRICE

7.1 LUMP SUM As full compensation for performance by the Constructor of the Work in conformance with the Contract Documents, the Owner shall pay the Constructor the lump sum price of [REDACTED] DOLLARS (\$ [REDACTED]). The lump sum price is hereinafter referred to as the Contract Price, which shall be subject to increase or decrease as provided in ARTICLE 8.

ARTICLE 8 CHANGES

Changes in the Work that are within the general scope of this Agreement shall be accomplished, without invalidating this Agreement, by Change Order and Interim Directed Change.

8.1 CHANGE ORDER

8.1.1 The Constructor may request or the Owner may order changes in the Work or the timing or sequencing of the Work that impacts the Contract Price or the Contract Time. All such changes in the Work that affect Contract Time or Contract Price shall be formalized in a Change Order.

8.1.2 NO OBLIGATION TO PERFORM The Constructor shall not be obligated to perform changes in the Work that impact Contract Price or Contract Time until a Change Order has been executed or a written Interim Directed Change has been issued.

8.2 INTERIM DIRECTED CHANGE

8.2.1 The Owner may issue a written Interim Directed Change directing a change in the Work prior to reaching agreement with the Constructor on the adjustment, if any, in the Contract Price or the Contract Time.

8.2.2 The Owner and the Constructor shall negotiate expeditiously and in good faith for appropriate adjustments, as applicable, to the Contract Price or the Contract Time arising out of an Interim Directed Change. As the changed Work is performed, the Constructor shall submit its costs for such Work with its application for payment beginning with the next application for payment within thirty (30) Days of the issuance of the Interim Directed Change. If there is a dispute as to the cost to the Owner, the Owner shall pay the Constructor fifty percent (50%) of its estimated cost to perform such Work. In such event, the Parties reserve their rights as to the disputed amount, subject to the requirements of ARTICLE 12.

8.2.3 When the Owner and the Constructor agree upon the adjustment in the Contract Price or the Contract Time, for a change in the Work directed by an Interim Directed Change, such agreement shall be the subject of a Change Order. The Change Order shall include all outstanding Interim Directed Changes on which the Owner and Constructor have reached agreement on Contract Price or Contract Time issued since the last Change Order.

8.3 DETERMINATION OF COST

8.3.1 An increase or decrease in the Contract Price or the Contract Time resulting from a change in the Work shall be determined by one or more of the following methods:

8.3.1.1 Unit prices set forth in this Agreement or as subsequently agreed;

8.3.1.2 A mutually accepted, itemized lump sum;

8.3.2 Cost of the Work shall include the following costs necessarily and reasonably incurred by Constructor to perform a change in the Work:

8.3.2.1 Wages paid for labor in the direct employ of the Constructor in the performance of the Work;

8.3.2.2 Salaries of the Constructor's employees when stationed at the field office or branch office to the extent necessary to complete the applicable Work and employees engaged on the road expediting the production or transportation of material and equipment;

8.3.2.3 Cost of applicable employee benefits and taxes, including but not limited to, workers' compensation, unemployment compensation, social security, health, welfare, retirement and other fringe benefits as required by law, labor agreements, or paid under the Constructor's standard personnel policy, insofar as such costs are paid to employees of the Constructor who are included in the Cost of the Work in subsections .1 and .2 immediately above;

8.3.2.4 Reasonable transportation, travel, and hotel expenses of the Constructor's personnel incurred in connection with the Work;

8.3.2.5 Cost of all materials, supplies, and equipment incorporated in the Work, including costs of inspection and testing if not provided by the Owner, transportation, storage, and handling;

8.3.2.6 Payments made by the Constructor to Subcontractors for Work performed under this Agreement;

8.3.2.7 Cost, including transportation and maintenance of all materials, supplies, equipment, temporary facilities, and hand tools not owned by the workers that are used or consumed in the performance of the Work, less salvage value or residual value; and cost

less salvage value of such items used, but not consumed that remain the property of the Constructor;

8.3.2.8 Rental charges of all necessary machinery and equipment, exclusive of hand tools owned by workers, used at the Worksite, whether rented from the Constructor or Others, including installation, repair and replacement, dismantling, removal, maintenance, transportation, and delivery costs. Rental from unrelated third parties shall be reimbursed at actual cost. Rentals from the Constructor or its affiliates, subsidiaries, or related parties shall be reimbursed at the prevailing rates in the locality of the Worksite up to eighty-five percent (85%) of the value of the piece of equipment;

8.3.2.9 Cost of the premiums for all insurance and surety bonds which the Constructor is required to procure or deems necessary, and approved by the Owner including any additional premium incurred as a result of any increase in the cost of the Work;

8.3.2.10 Sales, use, gross receipts or other taxes, tariffs, or duties related to the Work for which the Constructor is liable;

8.3.2.11 Permits, fees, licenses, tests, and royalties;

8.3.2.12 Reproduction costs, photographs, facsimile transmissions, long-distance telephone calls, data processing costs and services, postage, express delivery charges, data transmission, telephone service, and computer-related costs at the Worksite to the extent such items are used and consumed in the performance of the Work or are not capable of use after completion of the Work;

8.3.2.13 All water, power, and fuel costs necessary for the Work;

8.3.2.14 Cost of removal of all nonhazardous substances, debris, and waste materials;

8.3.2.15 All costs directly incurred to perform a change in the Work which are reasonably inferable from the Contract Documents for the Changed Work.

8.3.3 DISCOUNTS All discounts for prompt payment shall accrue to the Owner. All trade discounts, rebates and refunds, and all returns from sale of surplus materials and equipment, shall be credited to the Cost of the Work.

8.3.4 COST REPORTING The Constructor shall maintain in conformance with generally accepted accounting principles a complete and current set of records that are prepared or used by the Constructor to calculate the Cost of Work. The Owner shall be afforded access to the Constructor's records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to requested payment for Cost of the Work. The Constructor shall preserve all such records for a period of three years after the final payment or longer where required by law.

8.3.5 COST AND SCHEDULE ESTIMATES The Constructor shall use reasonable skill and judgment in the preparation of a cost estimate or schedule for a change to the Work, but does not warrant or guarantee their accuracy.

8.3.6 If an increase or decrease in the Contract Price or Contract Time cannot be agreed to as set forth in subsection 8.3.1, and the Owner issues an Interim Directed Change, the cost of the change in the Work shall be determined by the reasonable actual expense incurred and savings realized in the performance of the Work resulting from the change. If there is a net increase in the Contract Price, the Constructor's Overhead and profit shall be adjusted accordingly. In case of a net decrease in the Contract Price, the Constructor's Overhead and profit shall not be adjusted unless ten percent (10%) or more of the Project is deleted. The Constructor shall maintain a documented, itemized accounting evidencing the expenses and savings.

8.3.7 UNIT PRICES If unit prices are set forth in the Contract Documents or are subsequently agreed to by the Parties, but the character or quantity of such unit items as originally contemplated is so different in a proposed Change Order that the original unit prices will cause substantial inequity to the Owner or the Constructor, such unit prices shall be equitably adjusted.

8.3.8 If the Owner and the Constructor disagree as to whether work required by the Owner is within the scope of the Work, the Constructor shall furnish the Owner with an estimate of the costs to perform the disputed work in accordance with the Owner's interpretations. If the Owner issues a written order for the Constructor to proceed, the Constructor shall perform the disputed work and the Owner shall pay the Constructor fifty percent (50%) of its estimated cost to perform the work. In such event, both Parties reserve their rights as to whether the work was within the scope of the Work, subject to the requirements of ARTICLE 12. The Owner's payment does not prejudice its right to be reimbursed should it be determined that the disputed work was within the scope of the Work. The Constructor's receipt of payment for the disputed work does not prejudice its right to receive full payment for the disputed work should it be determined that the disputed work is not within the scope of the Work.

8.4 CLAIMS FOR ADDITIONAL COST OR TIME

8.4.1 Except as provided in subsection 6.6.2 and section 6.7 for any claim for an increase in the Contract Price or the Contract Time, the Constructor shall give the Owner written notice of the claim, including appropriate supporting documentation, within five (5) Business Days after the occurrence giving rise to the claim or within five (5) Business Days after the Constructor first recognizes the condition giving rise to the claim, whichever is later. Except in an emergency, notice shall be given before proceeding with the Work.

8.4.2 Suspension of Work: Constructor shall not proceed with work which would alter, cover, damage or destroy evidence in support of Constructor's Claim. If Constructor proceeds to perform Work, with or without notice to Project Engineer, that alters, covers, damages or destroys evidence in support of Constructor's Claim, Constructor is indicating by proceeding its acceptance and agreement that the work performed does not add to the Contract Sum or Contract Time.

8.4.3 Action on Change Order: Project Engineer shall review the Claim and shall forward recommendations to Owner regarding the Claim within five (5) business days. Negotiation of changes to the Contract Sum and/or Contract Time between the Owner and Contractor shall follow the procedures set forth in the Contract Documents.

8.4.4 Owner and Project Engineer shall respond in writing approving or denying the Constructor's claim no later than fourteen (14) Days after receipt of the Constructor's claim. Owner's failure to so respond shall be deemed a denial of the claim. Any change in the Contract Price or the Contract Time resulting from such claim shall be authorized by Change Order.

8.5 INCIDENTAL CHANGES The Project Engineer may direct the Constructor to perform incidental changes in the Work, upon concurrence with the Constructor that such changes do not involve adjustments in the Contract Price or Contract Time. Incidental changes shall be consistent with the scope and intent of the Contract Documents. The Project Engineer shall initiate an incidental change in the Work by issuing a written order to the Constructor. Such written notice shall be carried out promptly and is binding on the Parties.

ARTICLE 9 PAYMENT

9.1 SCHEDULE OF VALUES In accordance with requirements in Division 01 Section 01 29 00 for "Schedule of Values," the Constructor shall prepare and submit to the Project Engineer a Schedule of

Values apportioned to the various divisions or phases of the Work. Each line item contained in the Schedule of Values shall be assigned a value such that the total of all items shall equal the Contract Price. Maintain the Schedule of Values during the construction period. If the Schedule of Values is revised, submit the updated Schedule of Values for Project Engineer's review and approval after each meeting or other activity where revisions have been recognized or made.

9.2 APPLICATIONS FOR PAYMENT

9.2.1 PROGRESS PAYMENTS In accordance with requirements in Division 01 Section 01 29 00 for "Applications for Payment", the Constructor shall submit to the Project Engineer a monthly application for payment no later than the 5th Business Day of the calendar month for the preceding thirty (30) Days. Constructor's applications for payment shall be itemized and supported by the Constructor's Schedule of Values and any other substantiating data as required by this Agreement. Applications for payment shall include payment requests on account of properly authorized Change Orders or Interim Directed Changes. The Owner shall pay the amount otherwise due on any payment application, as certified by the Project Engineer, no later than thirty (30) Days after the Constructor has submitted a complete and accurate payment application and the Owner has approved the Constructor's payment application, or such shorter time period as required by applicable state statute. The Owner may deduct from any progress payment amounts that may be retained pursuant to subsection 9.2.4. The initial Application for Payment and the Applications for Payment at Substantial Completion and Final Completion have additional requirements as stated in Division 01 Section 01 29 00 "Applications for Payment".

9.2.2 STORED MATERIALS AND EQUIPMENT Unless otherwise provided in the Contract Documents, applications for payment may include materials and equipment not yet incorporated into the Work but delivered to and suitably stored onsite or offsite including applicable insurance, storage, and costs incurred in transporting the materials to an offsite storage facility. Approval of payment applications for stored materials and equipment stored offsite shall be conditioned on a submission by the Constructor of bills of sale and proof of required insurance, or such other documentation satisfactory to the Owner to establish the proper valuation of the stored materials and equipment, the Owner's title to such materials and equipment, and to otherwise protect the Owner's interests therein, including transportation to the Worksite.

9.2.3 LIEN WAIVERS AND LIENS Constructor acknowledges Owner is a public entity, that any property owned by Owner is considered public property, and that liens on public property are not enforceable. Constructor agrees that it shall not file any liens against property owned or controlled by Owner or by Ada County Highway District ("ACHD") which is a part of the Worksite (the "Property"). Constructor agrees that no lien will be at any time be filed against the Property, or any part thereof, by any of Constructor's subcontractors or other person employed by or furnishing labor, services, equipment, or materials to Constructor or any of its subcontractors for, in, or about the performance of the Work. The preceding clause will be inserted in all of the Constructor's or any of its subcontractor's purchase orders and material agreements. Subject to Owner's payment of the compensation in accordance with the terms of this Agreement, Constructor will promptly discharge all liens, if any, filed against the Property by Constructor's subcontractors, suppliers and materialmen, and agents and persons employed by any of such persons.

9.2.4 RETAINAGE From each progress payment made prior to Substantial Completion, the Owner may retain FIVE percent (5%) of the amount otherwise due after deduction of any amounts as provided in section 9.3, and in no event shall such percentage exceed any applicable statutory requirements. If the Owner chooses to use this retainage provision:

9.2.4.1 the Owner may, in its sole discretion, reduce the amount to be retained at any time;

9.2.4.2 the Owner may release retainage on that portion of the Work a Subcontractor has completed in whole or in part, and which the Owner has accepted. In lieu of retainage, the

Constructor may furnish a retention bond or other security interest acceptable to the Owner, to be held by the Owner.

9.3 ADJUSTMENT OF CONSTRUCTOR'S PAYMENT APPLICATION The Owner may adjust or reject a payment application or nullify a previously approved payment application, in whole or in part, as may reasonably be necessary to protect the Owner from loss or damage based upon the following, to the extent that the Constructor is responsible under this Agreement:

9.3.1 the Constructor's repeated failure to perform the Work as required by the Contract Documents;

9.3.2 Except as accepted by the insurer providing builders risk or other property insurance covering the project, loss or damage arising out of or relating to this Agreement and caused by the Constructor to the Owner or to Others to whom the Owner may be liable;

9.3.3 the Constructor's failure to properly pay Subcontractors and Material Suppliers following receipt of such payment from the Owner;

9.3.4 rejected, nonconforming or Defective Work not corrected in a timely fashion;

9.3.5 reasonable evidence of delay in performance of the Work such that the Work will not be completed within the Contract Time;

9.3.6 reasonable evidence demonstrating that the unpaid balance of the Contract Price is insufficient to fund the cost to complete the Work; and

9.3.7 uninsured third-party claims involving the Constructor, or reasonable evidence demonstrating that third-party claims are likely to be filed unless and until the Constructor furnishes the Owner with adequate security in the form of a surety bond, letter of credit, or other collateral or commitment sufficient to discharge such claims if established.

No later than seven (7) Days after receipt of an application for payment, the Project Engineer shall give written notice to the Constructor, at the time of disapproving or nullifying all or part of an application for payment, stating its specific reasons for such disapproval or nullification, and the remedial actions to be taken by the Constructor in order to receive payment. When the above reasons for disapproving or nullifying an application for payment are removed, payment will be promptly made for the amount previously withheld.

9.4 ACCEPTANCE OF WORK Neither the Owner's payment of progress payments nor its partial or full use or occupancy of the Project constitutes acceptance of Work not complying with the Contract Documents.

9.5 PAYMENT DELAY If for any reason not the fault of the Constructor, the Constructor does not receive a progress payment from the Owner within seven (7) Days after the time such payment is due, then the Constructor, upon giving seven (7) Days' written notice to the Owner, and without prejudice to and in addition to any other legal remedies, may stop Work until payment of the full amount owing to the Constructor has been received. Interest shall not accrue on any unpaid amounts. The Contract Price and Contract Time shall be equitably adjusted by a Change Order for reasonable cost and delay resulting from shutdown, delay and start-up.

9.6 SUBSTANTIAL COMPLETION

9.6.1 **CLOSEOUT PROCEDURES** The Constructor shall comply with the requirements stated in Division 01 Section 01 77 00 CLOSEOUT PROCEDURES, in conjunction with Constructor's compliance with the requirements in sections 9.6 and 9.7.

9.6.2 The Constructor shall notify the Project Engineer and, if directed, the Owner, when it considers Substantial Completion of the Work or a designated portion to have been achieved. The Project Engineer and Owner's Representative shall promptly conduct an inspection to determine whether the Work or designated portion can be occupied or used for its intended use by the Owner without excessive interference in completing any remaining unfinished Work. If the Project Engineer determines that the Work or designated portion has not reached Substantial Completion, the Project Engineer shall promptly compile a list of items ("Punch List") to be completed or corrected so the Owner may occupy or use the Work or designated portion for its intended use. The Constructor shall promptly complete all items on the Punch List and the list compiled by the Project Engineer.

9.6.3 When Substantial Completion of the Work or a designated portion is achieved, the Owner shall prepare a Certificate of Substantial Completion establishing the date of Substantial Completion and the respective responsibilities of the Owner and Constructor for interim items such as security, maintenance, utilities, insurance, and damage to the Work. In the absence of a clear delineation of responsibilities, the Owner shall assume all responsibilities for items such as security, maintenance, utilities, insurance, and damage to the Work. The Certificate of Substantial Completion shall also list any items to be completed or corrected, and establish the time for their completion or correction. The Certificate of Substantial Completion shall be submitted first to the Project Engineer for written concurrence that Substantial Completion has been achieved and then to the Constructor for written acceptance of responsibilities assigned in the Certificate of Substantial Completion. The Certificate of Substantial Completion with signatures from the Project Engineer and the Constructor shall be submitted to the Owner for Owner's signature indicating Owner's acceptance of responsibilities assigned to the Owner in the Certificate of Substantial Completion and approval of the Certificate. A copy of the signed Certificate of Substantial Completion shall be provided to the Constructor.

9.6.4 Unless otherwise provided in the Certificate of Substantial Completion, warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or a designated portion.

9.6.5 Upon the Owner's written acceptance and issuance of the Certificate of Substantial Completion, the Owner shall pay to the Constructor the remaining retainage held by the Owner for the Work described in the Certificate of Substantial Completion, less a sum equal to two hundred percent (200%) of the estimated cost of completing or correcting remaining items on that part of the Work, as agreed to by the Owner and Constructor as necessary to achieve Final Completion. Uncompleted items shall be completed by the Constructor in a mutually agreed upon timeframe. The Owner shall pay the Constructor monthly the amount retained for unfinished items as each item is completed.

9.7 PARTIAL OCCUPANCY OR USE

9.7.1 The Owner may occupy or use completed or partially completed portions of the Work when: (a) the portion of the Work is designated in a Certificate of Substantial Completion; (b) appropriate insurer(s) consent to the occupancy or use; and (c) appropriate public authorities authorize the occupancy or use. Such partial occupancy or use shall constitute Substantial Completion of that portion of the Work.

9.8 FINAL COMPLETION AND FINAL PAYMENT

9.8.1 CLOSEOUT PROCEDURES The Constructor shall comply with the requirements in Division 01 Section 01 77 00 CLOSEOUT PROCEDURES, in conjunction with Constructor's compliance with the requirements in this section.

9.8.2 INSPECTION Upon notification from the Constructor that the Work is complete and ready for final inspection and acceptance, the Project Engineer and Owner's Representative shall promptly conduct an inspection to determine if the Work has been completed and is acceptable under the Contract Documents.

9.8.3 If the Project Engineer and Owner's Representative determine that the Project has attained Final Completion, the Project Engineer shall request the following submissions from the Constructor:

- (a) an affidavit declaring any indebtedness connected with the Work, e.g. payrolls or invoices for materials or equipment, to have been paid, satisfied, or to be paid with the proceeds of final payment, so as not to encumber the Owner's property;
- (b) as-built drawings and specifications, manuals, copies of warranties, and all other close-out documents required by the Contract Documents;
- (c) release of any liens, conditioned on final payment being received;
- (d) consent of any surety;
- (e) any outstanding known and unreported accidents or injuries experienced by the Constructor or its Subcontractors at the Worksite; and
- (f) any other submissions required by Section 01 77 00 CLOSEOUT PROCEDURES.

9.8.4 When Final Completion has been achieved, the Constructor shall prepare for the Owner's written acceptance a final application for payment stating that to the best of the Constructor's knowledge, and based on the Owner's inspections, the Work has reached Final Completion in accordance with the Contract Documents.

9.8.5 Upon receipt of a final application for payment and Constructor's satisfactory completion of closeout procedures stated in sections 9.6 and 9.8, the Project Engineer shall prepare a Certificate of Final Completion establishing the date of Final Completion. Upon signature by the Project Engineer, the Certificate of Final Completion shall be submitted to the Constructor for signature. The Certificate of Final Completion with signatures from the Project Engineer and the Constructor shall be returned to the Owner for Owner's signature indicating Owner's approval of the Certificate of Final Completion. A copy of the signed Certification of Final Completion shall be provided to the Constructor. The Project Engineer's signature on the Final Completion Certificate shall signify the following: (a) Final Completion has been achieved; (b) Project has been inspected and complies with the requirements of the Contract Documents; and (c) Constructor has submitted all required closeout submittals and completed all required closeout procedures.

9.8.6 Final payment of the balance of the Contract Price shall be made to the Constructor within thirty (30) Days after the Constructor has submitted a complete and accurate application for final payment, has satisfactorily completed the requirements as set forth in sections 9.6 and 9.8 above, and a Certificate of Final Completion has been executed by the Owner and the Constructor.

9.8.7 If, after Substantial Completion of the Work, the Final Completion of a portion of the Work is materially delayed through no fault of the Constructor, the Owner shall pay the balance due for portion(s) of the Work fully completed and accepted. If the remaining contract balance for Work not fully completed and accepted is less than the retained amount prior to payment, the Constructor shall submit to the Project Engineer the written consent of any surety to payment of the balance due for portions of the Work that are fully completed and accepted. Such payment shall not constitute a waiver of claims, but otherwise shall be governed by these final payment provisions.

9.8.8 OWNER RESERVATION OF CLAIMS Claims not reserved in writing by the Owner with the making of final payment shall be waived except for claims relating to liens or similar encumbrances, warranties, Defective Work, and latent defects.

9.8.9 ACCEPTANCE OF FINAL PAYMENT Unless the Constructor provides written identification of unsettled claims with an application for final payment, its acceptance of final payment constitutes a waiver of such claims.

9.9 LATE PAYMENT Payments due but unpaid shall bear interest from the date payment is due at the rate allowed by the State of Idaho.

ARTICLE 10 INDEMNITY, INSURANCE, AND BONDS

10.1 INDEMNITY

10.1.1 To the fullest extent permitted by law, the Constructor shall indemnify and hold harmless the Owner, the Owner's officers, directors, members, consultants, agents, and employees, the Design Professionals and the Design Professionals' officers, directors, members, consultants, agents, and employees and Others (the Indemnitees) from all claims for bodily injury and property damage, other than to the Work itself and other property insured, including reasonable attorneys' fees, costs and expenses, that may arise from the performance of the Work, but only to the extent caused by the negligent or intentional acts or omissions of the Constructor, Subcontractors, or anyone employed directly or indirectly by any of them or by anyone for whose acts any of them may be liable. The Constructor shall be entitled to reimbursement of any defense costs paid above the Constructor's percentage of liability for the underlying claim to the extent provided for by the subsection 10.1.2 below.

10.1.2 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Constructor, its officers, directors, members, consultants, agents, and employees, Subcontractors, or anyone employed directly or indirectly by any of them or anyone for whose acts any of them may be liable from all claims for bodily injury and property damage, other than property insured, including reasonable attorneys' fees, costs and expenses, that may arise from the performance of work by the Owner, Owner's Representative, the Project Engineer, and Others, but only to the extent caused by the negligent acts or omissions of the Owner, Owner's Representative, the Project Engineer, or Others. The Owner shall be entitled to reimbursement of any defense costs paid above the Owner's percentage of liability for the underlying claim to the extent provided for by the subsection 10.1.1 above.

10.1.3 NO LIMITATION ON LIABILITY In any and all claims against the Indemnitees by any employee of the Constructor, anyone directly or indirectly employed by the Constructor or anyone for whose acts the Constructor may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Constructor under workers' compensation acts, disability benefit acts, or other employment benefit acts.

10.2 INSURANCE

Constructor's insurance obligations are set forth in Division 01 Section 00 73 16 INSURANCE AND BONDING REQUIREMENTS.

10.3 BONDS

Constructor's bond obligations are set forth Division 01 Section 00 73 16 INSURANCE AND BONDING REQUIREMENTS.

ARTICLE 11 SUSPENSION, NOTICE TO CURE, AND TERMINATION

11.1 SUSPENSION BY OWNER FOR CONVENIENCE

11.1.1 OWNER SUSPENSION Should the Project Engineer and/or Owner order the Constructor in writing to suspend, delay, or interrupt the performance of the Work for the convenience of the Owner and not due to any act or omission of the Constructor or any person or entity for whose acts or omissions the Constructor may be liable, then the Constructor shall immediately suspend, delay or interrupt that portion of the Work for the time period ordered by the Project Engineer and/or Owner. The Contract Price and the Contract Time shall be equitably adjusted by Change Order for the cost and delay resulting from any such suspension.

11.1.2 Any action taken by the Project Engineer and/or Owner that is permitted by any other provision of the Contract Documents and that result in a suspension of part or all of the Work does not constitute a suspension of Work under this section 11.1.

11.2 NOTICE TO CURE A DEFAULT If the Constructor persistently fails to supply enough qualified workers, proper materials, or equipment to maintain the approved Schedule of the Work, or fails to make prompt payment to its workers, Subcontractors, or Material Suppliers, disregards Laws or orders of any public authority having jurisdiction, or is otherwise guilty of a material breach of a provision of this Agreement, the Constructor may be deemed in default. If the Constructor fails within seven (7) Days after receipt of written notice to commence and continue satisfactory correction of such default with diligence and promptness, then the Owner shall give the Constructor a second notice to correct the default within a three (3) Day period. If the Constructor fails to promptly commence and continue satisfactory correction of the default following receipt of such second notice, the Owner without prejudice to any other rights or remedies may: (a) take possession of the Worksite; (b) complete the Work utilizing reasonable means; (c) withhold payment due to the Constructor; and (d) as the Owner deems necessary, supply workers and materials, equipment, and other facilities for the satisfactory correction of the default, and charge the Constructor the costs and expenses, including reasonable Overhead, profit, and attorneys' fees.

11.2.1 In the event of an emergency affecting the safety of persons or property, the Owner may immediately commence and continue satisfactory correction of such default without first giving written notice to the Constructor, but shall give prompt written notice of such action to the Constructor following commencement of the action.

11.3 OWNER'S RIGHT TO TERMINATE FOR DEFAULT

11.3.1 TERMINATION BY OWNER FOR DEFAULT If, within seven (7) Days of receipt of a notice to cure pursuant to section 11.2, the Constructor fails to commence and satisfactorily continue correction of the default set forth in the notice to cure, the Owner may notify the Constructor and, if applicable, the surety, that it intends to terminate this Agreement for default absent appropriate corrective action within fourteen (14) additional Days. After the expiration of the additional fourteen (14) Day period, the Owner may terminate this Agreement by written notice absent appropriate corrective action. Termination for default is in addition to any other remedies available to the Owner under section 11.2. If the Owner's costs arising out of the Constructor's failure to cure, including the costs of completing the Work and reasonable attorneys' fees, exceed the unpaid Contract Price, the Constructor shall be liable to the Owner for such excess costs. If the Owner's costs are less than the unpaid Contract Price, the Owner shall pay the difference to the Constructor. If the Owner exercises its rights under this section 11.3, upon the request of the Constructor, the Owner shall furnish to the Constructor a detailed accounting of the costs incurred by the Owner.

11.3.2 USE OF CONSTRUCTOR'S MATERIALS, SUPPLIES, AND EQUIPMENT If the Owner or Others perform work under this section 11.3, the Owner shall have the right to take and use any materials, supplies, and equipment belonging to the Constructor and located at the Worksite for the purpose of completing any remaining Work. Immediately upon completion of the Work, any remaining materials, supplies, or equipment not consumed or incorporated in the Work shall be returned to the Constructor in substantially the same condition as when they were taken, reasonable wear and tear excepted.

11.3.3 If the Constructor files a petition under the Bankruptcy Code, this Agreement shall terminate if the Constructor or the Constructor's trustee rejects the Agreement, or if there has been a default and the Constructor is unable to give adequate assurance that the Constructor will perform as required by this Agreement or otherwise is unable to comply with the requirements for assuming this Agreement under the applicable provisions of the Bankruptcy Code.

11.3.4 The Owner shall make reasonable efforts to mitigate damages arising from Constructor default, and shall promptly invoice the Constructor for all amounts due pursuant to sections 11.2 and 11.3.

11.3.5 If the Owner terminates this Agreement for default, and it is later determined that the Constructor was not in default, or that the default was excusable under the terms of the Contract Documents, then, in such event, the termination shall be deemed a termination for convenience, and the rights of the Parties shall be as set forth in section 11.4.

11.4 TERMINATION BY OWNER FOR CONVENIENCE

11.4.1 Upon written notice to the Constructor, the Owner may, without cause, terminate this Agreement. The Constructor shall immediately stop the Work, follow the Owner's instructions regarding shutdown and termination procedures, and strive to minimize any further costs.

11.4.2 If the Owner terminates this Agreement for Convenience, the Constructor shall be paid: (a) for the Work performed to date including Overhead and profit; and (b) for all demobilization costs and costs incurred as a result of the termination but not including Overhead or profit on Work not performed.

11.4.3 If the Owner terminates this Agreement, the Constructor shall:

11.4.3.1 Execute and deliver to the Owner all papers and take all action required to assign, transfer, and vest in the Owner the rights of the Constructor to all materials, supplies and equipment for which payment has been or will be made in accordance with the Contract Documents and all subcontracts, orders and commitments which have been made in accordance with the Contract Documents;

11.4.3.2 Exert reasonable effort to reduce to a minimum the Owner's liability for subcontracts, orders, and commitments that have not been fulfilled at the time of the termination;

11.4.3.3 Cancel any subcontracts, orders, and commitments as the Owner directs; and

11.4.3.4 Sell at prices approved by the Owner any materials, supplies, and equipment as the Owner directs, with all proceeds paid or credited to the Owner.

11.5 CONSTRUCTOR'S RIGHT TO TERMINATE

11.5.1 Upon seven (7) Days' written notice to the Owner, the Constructor may terminate this Agreement if the Work has been stopped for a thirty (30) Day period through no fault of the Constructor for any of the following reasons:

11.5.1.1 under court order or order of other governmental authorities having jurisdiction;

11.5.1.2 as a result of the declaration of a national emergency or other governmental act during which, through no act or fault of the Constructor, materials are not available; or

11.5.1.3 suspension by the Owner for convenience pursuant to section 11.1

11.5.2 In addition, upon seven (7) Days' written notice to the Owner, the Constructor may terminate this Agreement if the Owner:

11.5.2.1 assigns this Agreement over the Constructor's reasonable objection; or

11.5.2.2 fails to pay the Constructor in accordance with this Agreement and the Constructor has complied with section 9.5; or

11.5.2.3 otherwise materially breaches this Agreement.

11.5.3 Upon termination by the Constructor in accordance with section 11.5, the Constructor shall be entitled to recover from the Owner payment for all Work executed and for any proven loss, cost, or expense in connection with the Work, including all demobilization costs plus reasonable Overhead and profit on Work not performed.

11.6 OBLIGATIONS ARISING BEFORE TERMINATION Even after termination, the provisions of this Agreement still apply to any Work performed, payments made, events occurring, costs charged or incurred or obligations arising before the termination date.

ARTICLE 12 DISPUTE MITIGATION AND RESOLUTION

12.1 WORK CONTINUANCE AND PAYMENT Unless otherwise agreed in writing, the Constructor shall continue the Work and maintain the Schedule of the Work during any dispute mitigation or resolution proceedings. If the Constructor continues to perform, the Owner shall continue to make payments in accordance with this Agreement.

12.2 DIRECT DISCUSSIONS In the event that a dispute arises between Owner and Constructor regarding application or interpretation of any provision of this Agreement, the aggrieved Party shall promptly notify the other Party to this Agreement of the dispute within ten (10) days after such dispute arises. If the Parties shall have failed to resolve the dispute within thirty (30) days after delivery of such notice, the Parties may first endeavor to settle the dispute in an amicable manner by mediation. If the Parties elect to mediate their dispute, the Parties will select a mediator by mutual agreement and agree to each pay half of the mediator's costs and fees. The mediation will take place in Boise, Idaho, unless otherwise agreed by the Parties in writing. Should the Parties be unable to resolve the dispute to their mutual satisfaction within thirty (30) days after such completion of mediation, each Party shall have the right to pursue any rights or remedies it may have at law or in equity. If the Parties do not mutually agree to mediate the dispute, either Party may pursue any rights or remedies it may have at law.

ARTICLE 13 MISCELLANEOUS

13.1 EXTENT OF AGREEMENT Except as expressly provided, this Agreement is for the exclusive benefit of the Parties, and not for the benefit of any third party. This Agreement represents the entire and integrated agreement between the Parties, and supersedes all prior negotiations, representations, or agreements, either written or oral.

13.2 ASSIGNMENT Except as to the assignment of proceeds, the Parties shall not assign their interest in this Agreement without the written consent of the other. The terms and conditions of this Agreement shall be binding upon both Parties, their partners, successors, assigns, and legal representatives. Neither Party shall assign the Agreement as a whole without written consent of the other except that the Owner may assign the Agreement to a wholly owned subsidiary of the Owner when the Owner has fully indemnified the Constructor or to an institutional lender providing construction financing for the Project as long as the assignment is no less favorable to the Constructor than this Agreement. If such assignment occurs, the Constructor shall execute any consent reasonably required. In such event, the wholly owned

subsidiary or lender shall assume the Owner's rights and obligations under the Contract Documents. If either Party attempts to make such an assignment, that Party shall nevertheless remain legally responsible for all obligations under this Agreement, unless otherwise agreed in writing by the other Party.

13.3 GOVERNING LAW This Agreement shall be governed by the laws of the State of Idaho.

13.4 SEVERABILITY The partial or complete invalidity of any one or more provisions of this Agreement shall not affect the validity or continuing force and effect of any other provision.

13.5 NO WAIVER OF PERFORMANCE The failure of either Party to insist, in any one or more instances, on the performance of any of the terms, covenants, or conditions of this Agreement, or to exercise any of its rights, shall not be construed as a waiver or relinquishment of such term, covenant, condition, or right with respect to further performance or any other term, covenant, condition, or right.

13.6 TITLES The titles given to the articles are for ease of reference only and shall not be relied upon or cited for any other purpose.

13.7 JOINT DRAFTING The Parties expressly agree that this Agreement was jointly drafted, and that both had opportunity to negotiate its terms and to obtain the assistance of counsel in reviewing its terms prior to execution. Therefore, this Agreement shall be construed neither against nor in favor of either Party, but shall be construed in a neutral manner.

13.8 RIGHTS AND REMEDIES The Parties' rights, liabilities, responsibilities and remedies with respect to this Agreement, whether in contract, tort, negligence or otherwise, shall be exclusively those expressly set forth in this Agreement.

ARTICLE 14 CONTRACT DOCUMENTS

14.1 EXISTING CONTRACT DOCUMENTS This Contract expressly incorporates the following documents, together with any amendments that may be agreed to in writing by both parties:

Project Manual dated February 20, 2019, including:

PROJECT MANUAL COVER PAGE
00 01 10 TABLE OF CONTENTS
00 11 16 INVITATION TO BID
00 21 13 INSTRUCTIONS TO BIDDERS
00 25 13 PRE BID MEETING
00 41 13 BID FORM
00 43 22 UNIT PRICES BID FORM
00 43 25 REQUEST FOR COMPARABLE PRODUCT FORM
00 45 46 CONTRACTOR'S AFFIDAVIT CONCERNING TAXES
00 52 13 AGREEMENT BETWEEN OWNER AND CONTRACTOR
00 62 76 APPLICATION FOR PAYMENT FORM
00 63 13 REQUEST FOR INFORMATION FORM
00 63 49 WORK CHANGE DIRECTIVE FORM
00 73 00 SUPPLEMENTARY CONDITIONS
00 73 16 INSURANCE AND BONDING REQUIREMENTS
00 73 73 STATUTORY REQUIREMENTS – TAX COMMISSION
01 11 00 SUMMARY
01 25 00 SUBSTITUTION PROCEDURES
01 26 00 CONTRACT MODIFICATION PROCEDURES
01 29 00 PAYMENT PROCEDURES
01 31 00 PROJECT MANAGEMENT AND COORDINATION
01 33 00 SUBMITTAL REQUIREMENTS

01 40 00 QUALITY REQUIREMENTS
01 50 00 TEMPORARY FACILITIES AND CONTROLS
01 60 00 PRODUCT REQUIREMENTS
01 73 00 EXECUTION
01 77 00 CLOSEOUT PROCEDURES

DRAWINGS – 9TH & MAIN GARAGE

E00 COVER SHEET & ELECTRICAL SPECIFICATIONS
E01 ENERGY COMPLIANCE FORMS
E11 GROUND LEVEL LIGHTING PLAN
E12 SECOND LEVEL LIGHTING PLAN
E13 THIRD LEVEL LIGHTING PLAN
E14 FOURTH LEVEL LIGHTING PLAN
E15 FIFTH LEVEL LIGHTING PLAN

DRAWINGS – CAPITOL & MAIN GARAGE

E00 COVER SHEET & ELECTRICAL SPECIFICATIONS
E01 ENERGY COMPLIANCE FORM
E11 GROUND LEVEL LIGHTING PLAN
E12 SECOND LEVEL LIGHTING PLAN
E13 THIRD LEVEL LIGHTING PLAN
E14 FOURTH LEVEL LIGHTING PLAN
E15 FIFTH LEVEL LIGHTING PLAN
E16 SIXTH LEVEL LIGHTING PLAN

Bid Addenda dated xxxxxxxx
Constructor's Bid dated xxxxxx
Payment and Performance Bonds dated xxxxxx
Insurance Certificates dated xxxxxx

14.2 INTERPRETATION OF CONTRACT DOCUMENTS

14.2.1 The drawings and specifications are complementary. If Work is shown only on one but not on the other, the Constructor shall perform the Work as though fully described on both, consistent with the Contract Documents and reasonably inferable from them.

14.2.2 In case of conflicts between the drawings and specifications, the specifications shall govern. In any case of omissions or errors in figures, drawings, or specifications, the Constructor shall immediately submit the matter to the Project Engineer for clarification. The Project Engineer shall confer with the Owner's Representative, and shall issue a clarification to the Constructor. Owner's clarifications are final and binding on all Parties, subject to an equitable adjustment in Contract Time or Contract Price or dispute mitigation and resolution.

14.2.3 Where figures are given, they shall be preferred to scaled dimensions.

14.2.4 Unless otherwise specifically defined in this Agreement, any terms that have well-known technical or trade meanings shall be interpreted in accordance with their well-known meanings.

14.2.5 **ORDER OF PRECEDENCE** In case of any inconsistency, conflict, or ambiguity among the Contract Documents, the documents shall govern in the following order: (a) Change Orders and written amendments to this Agreement; (b) this Agreement; (c) subject to subsection 14.2.2, the drawings (large scale governing over small scale), specifications, and addenda issued prior to the execution of this Agreement or signed by both Parties; (d) information furnished by the Owner

pursuant to subsection 3.13.4 or designated as a Contract Document in section 14.1; (e) other documents listed in this Agreement. Among categories of documents having the same order of precedence, the term or provision that includes the latest date shall control. Information identified in one Contract Document and not identified in another shall not be considered a conflict or inconsistency.

End of Agreement | *Signatures appear on the following page.*

SAMPLE

IN WITNESS WHEREOF, OWNER AND CONSTRUCTOR have executed this Agreement with an effective date as first written above.

OWNER: Capital City Development Corporation

BY: _____
John Brunelle, Executive Director

Date: _____

Approved as to Form

Mary Watson, General Counsel | Contracts Manager

CONSTRUCTOR: [insert company name]

BY: _____
[insert name and title]

Date: _____

END OF DOCUMENT

Budget Info / For Office Use	
Fund / District	401
Account	6125
Activity Code	19038
PO #	
Contract Term	

END OF SECTION 00 52 13

APPLICATION FOR PAYMENT – INSTRUCTIONS

A. GENERAL INFORMATION

The sample Schedule of Values (next page) is intended as a guide only. Many projects require a more extensive form with space for numerous items, descriptions of Change Orders, identification of variable quantity adjustments, summary of materials and equipment stored at the site and other information. It is expected that a separate form will be developed by Project Engineer and Contractor at the time Contractor's Schedule of Values is finalized. Note also that the format for retainage must be changed if the Contract permits (or the law provides), and Contractor elects to deposit securities in lieu of retainage. See Division 01 Section 01 10 00 "Applications for Payment" for provisions concerning payments to Contractor.

B: IDAHO POWER REBATE PROGRAM GUIDELINES

CONTRACTOR's invoice and Schedule of Values shall include the following information for the Idaho Power incentives program:

- Address where work was performed.
- Date the work was performed.
- Description of the work.
- Materials purchased.

C. COMPLETING THE FORM

The Schedule of Values, submitted and approved as provided in the General Conditions, should be reproduced as appropriate in the space indicated on the Application for Payment form. Note that the cost of materials and equipment is often listed separately from the cost of installation. Also, note that each Unit Price is deemed to include Contractor's overhead and profit.

All Change Orders affecting the Contract Price should be identified and included in the Schedule of Values as required for progress payments.

The form is suitable for use in the Final Application for Payment as well as for Progress Payments; however, the required accompanying documentation is usually more extensive for final payment. All accompanying documentation should be identified in the space provided on the form.

D. LEGAL REVIEW

All accompanying documentation of a legal nature, such as Lien waivers, should be reviewed by an attorney, and Project ENGINEER should so advise Owner.

END OF SECTION 00 62 76

Project: ParkBOI Parking Garage LED Lighting Upgrade							Application No.		1
Contractor:							Application Date		XX/XX/XX
Application for Payment							From		To
Continuation Sheet							Period	XX/XX/XX	XX/XX/XX
A	B	C	D	E	F	G	H	I	J
			Work Completed						
Item No.	Description of Work	Scheduled Value	Previous Application	This Period	Materials Presently Stored	Total Completed & Stored	%	Balance to Finish	Retainage to Date
<i>EXAMPLE ONLY Contractor to List Based on Scope of Work</i>									
1	Mobilization, Bond					\$0.00	#DIV/0!	\$0.00	\$0.00
2	Labor					\$0.00	#DIV/0!	\$0.00	\$0.00
3	Materials					\$0.00	#DIV/0!	\$0.00	\$0.00
4	General Conditions					\$0.00	#DIV/0!	\$0.00	\$0.00
5	Traffic Control					\$0.00	#DIV/0!	\$0.00	\$0.00
6						\$0.00	#DIV/0!	\$0.00	\$0.00
7						\$0.00	#DIV/0!	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			\$0.00
Retainage for This Period				\$0.00	\$0.00				
Application No.									
Total Completed & Stored		\$0.00							
Less Retainage for this Period - Work Completed		\$0.00							
Less Retainage for this Period - Materials Presently Stored		\$0.00							
Total Requested for Payment		\$0.00							

SECTION 00 63 13 REQUEST FOR INFORMATION FORM

REQUEST FOR INFORMATION

PROJECT: _____ RFI#: _____

ITEM: _____

REF. DWG. OR SPEC.: _____

SCHEDULE IMPACT? YES NO

COST IMPACT? YES NO

REQUEST RETURN BY: _____

DESCRIPTION/REQUEST: _____

ORIGINATOR: _____ FIRM: _____ DATE: _____

RESPONSE

BY: _____ FIRM: _____ DATE: _____

This is not an authorization to proceed with work involving additional costs and/or time. Notification must be given in accordance with the Contract Documents if any response causes any changes to the Contract Documents.

END OF SECTION 00 63 13

SECTION 00 63 49 WORK CHANGE DIRECTIVE FORM

WORK CHANGE DIRECTIVE FORM

No. _____

DATE OF ISSUANCE _____ EFFECTIVE DATE _____

OWNER _____

CONTRACTOR _____

Contract: _____

Project: _____

You are directed to proceed promptly with the following change(s):
Description:

Purpose of Work Change Directive:

Attachments: (List documents supporting change)

If OWNER or CONTRACTOR believe that the above change has affected Contract Price, any Claim for a Change Order based thereon will involve one or more of the following methods as defined in the Contract Documents.

Method of determining change in Contract Price:

- Unit Prices
- Lump Sum
- Cost of the Work _____

Estimated increase (decrease) in Contract Price:
\$ _____
If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Estimated increase (decrease) in Contract Times:
Substantial Completion: _____ days;
Ready for final payment: _____ days.

RECOMMENDED:

AUTHORIZED:

PROJECT ENGINEER
By: _____

OWNER
By: _____

WORK CHANGE DIRECTIVE – INSTRUCTIONS

A. GENERAL INFORMATION

This document was developed for use in situations involving changes in the Work which, if not processed expeditiously, might delay the Project. These changes are often initiated in the field and may affect the Contract Price or the Contract Times. This is not a Change Order, but only a directive to proceed with Work that may be included in a subsequent Change Order. See Division 01 General Requirements for procedures regarding issuance of Work Change Directives by Project Engineer.

For supplemental instructions and minor changes not involving a change in the Contract Price or the Contract Times a Field Order should be used.

B. COMPLETING THE FORM

Project Manager / Engineer initiates the form, including a description of the items involved and attachments.

Based on conversations between Project Engineer and Contractor, Project Engineer completes the following:

METHOD OF DETERMINING CHANGE, IF ANY, IN CONTRACT PRICE: Mark the method to be used in determining the final cost of Work involved and the estimated net effect on the Contract Price. If the change involves an increase in the Contract Price and the estimated amount is approached before the additional or changed Work is completed, another Work Change Directive must be issued to change the estimated price or Contractor may stop the changed Work when the estimated time is reached. If the Work Change Directive is not likely to change the Contract Price, the space for estimated increase (decrease) should be marked "Not Applicable."

Once Project Engineer has completed and signed the form, all copies should be sent to Owner for authorization – the Project Manager / Engineer alone does not have authority to authorize changes in Price or Times. Once authorized by Owner, a copy should be sent by Project Engineer to Contractor. Price and Times may only be changed by Change Order signed by Owner and Contractor with Project Engineer's recommendation.

Once the Work covered by this directive is completed or final cost and times are determined, Contractor should submit documentation for inclusion in a Change Order. Division 01 General Requirements requires that a Change Order be initiated and processed to cover any undisputed sum or amount of time for Work actually performed pursuant to this Work Change Directive.

THIS IS A DIRECTIVE TO PROCEED WITH A CHANGE THAT MAY AFFECT THE CONTRACT PRICE OR CONTRACT TIMES. A CHANGE ORDER, IF ANY, SHOULD BE CONSIDERED PROMPTLY.

END OF SECTION 00 63 49

SECTION 00 73 00 SUPPLEMENTARY CONDITIONS

1. **FEDERAL, STATE, AND LOCAL PAYROLL TAXES:** Neither federal, state or local income taxes, nor payroll taxes of any kind shall be withheld and paid by Owner on behalf of Contractor or the employees of Contractor. Contractor shall not be treated as an employee with respect to the services performed hereunder for federal or state tax purposes. Contractor understands that Contractor is responsible to pay, according to law, Contractor's income tax. Contractor further understands that Contractor may be liable for self-employment (Social Security) tax to be paid by Contractor according to law.
2. **LICENSES AND LAW:** Contractor represents that it possesses the requisite skill, knowledge, and experience necessary, as well as all licenses required to perform the services under this Agreement. Contractor further agrees to comply with all applicable laws, ordinances, and codes of Federal, State and local governments in the performance of the services hereunder.
3. **FRINGE BENEFITS:** Because Contractor is engaged in its own independently established business, Contractor is not eligible for, and shall not participate in, any employee pension, health, or other fringe benefit plans of Owner.
4. **AMENDMENTS:** This Agreement, including the amount of compensation and the Scope of Work, may be amended only in writing, upon mutual agreement of both Owner and Contractor.
5. **DISCRIMINATION PROHIBITED:** In performing the services required herein, Contractor shall not discriminate against any person on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin or ancestry, age or handicap. Violation of this section shall constitute a material breach of this Agreement and be deemed grounds for cancellation, termination or suspension of the Agreement by Owner, in whole or in part, and may result in ineligibility for further work for Owner.
6. **NUMERATION:** Owner and Contractor acknowledge the Agreement may contain gaps in the numbering of the provisions. Despite the gaps in the numbering, Owner and Contractor acknowledge the Agreement is the complete Agreement between them.
7. **SILENCE OF SPECIFICATION:** The apparent silence of this specification and supplemental specifications as to any detail, or the apparent omission from it of a detailed description concerning any point shall be regarded as meaning that only best commercial practice is to be used. Any exception to this specification shall be cause for rejection. Owner reserves the right to verify specification compliance and other information with published sources as deemed necessary.
8. **ACCIDENT PREVENTION:** The Contractor shall provide and maintain work environments and procedures which will:
 - A. Safeguard the public and Government personnel, property, materials, supplies, and equipment exposed to Contractor operations and activities.
 - B. Comply with all local, County, State, or other applicable legal requirements and will exercise all legally required safety precautions at all times.

- C. Ensure that all Contractor employees who are performing work in the streets wear an appropriate safety vest.
- D. Avoid interruptions of Government operations and delays in Project completion dates; and will exercise due care during the performance of work to protect from damage all existing facilities, structures, landscaping and utilities on local jurisdiction and private property.
- E. For these purposes on contracts for construction or dismantling, demolition, or removal of improvements, the Contractor shall:
 - i) Provide appropriate safety barricades, signs, and signal lights;
 - ii) Ensure that any additional measures the Owner determines to be reasonably necessary for the purposes are taken.
 - iii) Take every reasonable effort to keep sidewalks, vehicle travel lanes, driveways and crosswalks open at all times.
 - v) Report to Owner immediately any Contractor caused damages.
 - vi) Effect the prompt repair any damage to any public property incurred while installing the required items. Repairs to be completed as quickly as is reasonably possible and as required by local ordinance.

9. EMPLOYMENT OF IDAHO RESIDENTS IN PUBLIC WORKS CONSTRUCTION. Contractor shall comply with Idaho Code § 44-1001 in performing the Work on the Project. **This Code provision is reproduced below for convenience from the State of Idaho website and shall be verified by Contractor.**

44-1001. EMPLOYMENT OF RESIDENTS OF IDAHO -- WAGE SCALE -- FEDERAL FUNDS. In all state, county, municipal, and school construction, repair, and maintenance work under any of the laws of this state the contractor, or person in charge thereof must employ ninety-five percent (95%) bona fide Idaho residents as employees on any such contracts except for procurement authorized in section 67-2808(2), Idaho Code, or where under such contracts fifty (50) or less persons are employed the contractor may employ ten percent (10%) nonresidents, provided however, in such a case employers must give preference to the employment of bona fide Idaho residents in the performance of such work; provided, that in work involving the expenditure of federal aid funds this act shall not be enforced in such a manner as to conflict with or be contrary to the federal statutes prescribing a labor preference to honorably discharged members of the United States armed forces, including airmen, soldiers, sailors, and marines, prohibiting as unlawful any other preference or discrimination among the citizens of the United States.

END OF SECTION 00 73 00

SECTION 00 73 16 INSURANCE AND BONDING REQUIREMENTS

Insurance

Upon execution of the Contract and prior to commencing any Work under the Contract, Contractor shall obtain at its sole cost and expense and thereafter maintain, for the duration of the Contract, at least the minimum insurance coverages set forth below:

- (a) Worker's compensation insurance as required by applicable law or regulation;
- (b) Employer's liability insurance in the minimum amount of \$100,000 each accident for bodily injury, \$100,000 each employee for bodily injury by disease and \$500,000 policy limit for bodily injury by disease;
- (c) Commercial General Liability ("CGL") insurance covering all operations by or on behalf of Contractor with minimum limits of liability of \$1,000,000 for each occurrence and \$2,000,000 aggregate for both bodily injury and property damage. Contractor may provide insurance up to the required limits through a CGL policy or through a CGL policy and an umbrella policy.

The aggregate limits shall apply separately to the Project, or the Contractor shall obtain separate insurance to provide the required limit which shall not be subject to depletion because of claims arising out of any other project or activity of the Contractor.

The CGL insurance policy shall name Owner as Additional Insured and shall protect its officers, agents and employees from and against claims for bodily injury, property damage, personal injury and advertising injury that shall be no less comprehensive and no more restrictive than the coverage provided by Insurance Services Office (ISO) form for Commercial General (CG 00 01 04 13).

By its terms or appropriate endorsements such insurance shall include the following coverage, to wit: Bodily Injury, Property Damage, Fire Legal Liability (not less than the replacement value of the portion of the premises occupied), Personal Injury, Blanket Contractual, Independent Contractors, Premises Operations, Products and Completed Operations for a minimum of two (2) years following Final Completion of the Project. The policy cannot be endorsed to exclude the perils of explosion (x), collapse (c), and underground (u) exposures without the specific written approval of the Owner. Owner shall be named as an Additional Insured by the terms of the policy or by an endorsement issued by the insurer; and

- (d) Automobile liability insurance including coverage for owned, hired, and non-owned automobiles. The limits of liability shall not be less than \$1,000,000 combined single limit each accident for bodily injury and property damage combined. Contractor shall require each of its subcontractors to include in their liability insurance policies coverage for automobile contractual liability. The automobile liability insurance policy shall name Owner as Additional Insured and shall protect its officers, agents and employees from and against claims.

All insurance required in the Contract shall be occurrence based coverage as opposed to claims based coverage and shall be procured from companies which are authorized to do business in Idaho.

To the extent commercially available to the Contractor from its current insurance company, insurance policies required under the Contract shall contain a provision that the insurance company or its designee must give the Owner written notice transmitted in paper or electronic format: (a) 30 Days before coverage is non-renewed by the insurance company and (b) within 10 Business Days after cancelation of coverage by the insurance company. Prior to commencing the Work and upon renewal or replacement of the insurance policies, the Contractor shall furnish the Owner with certificates of insurance until two years after Substantial Completion or longer if required by the Contract. In addition, if any insurance policy required under the Contract is not to be immediately replaced without lapse in coverage when it expires, exhausts its limits, or is to be cancelled, the Contractor shall give Owner prompt written notice upon actual or constructive knowledge of such condition.

Contractor may include all subcontractors as insureds under the Contractor's policies in lieu of separate policies by each subcontractor.

Contractor shall furnish Owner with a copies of the CGL policies or endorsement naming Owner as an Additional Insured and certificates of insurance including the required endorsements for Contractor and all subcontractors not included under Contractor's policy prior to execution of the contract by Owner and prior to any work being performed.

All insurance provided by Contractor under the Contract shall include a waiver of subrogation by the insurers in favor of Owner. Contractor hereby releases CCDC, including its respective affiliates, directors, and employees, for losses or claims for bodily injury, property damage covered by Contractor's insurance or other insured claims arising out of Contractor's performance under the Contract.

The foregoing insurance coverage shall be primary and noncontributing with respect to any other insurance or self-insurance that may be maintained by Owner. The fact that the Contractor has obtained the insurance required shall in no manner lessen or affect the Contractor's other obligations or liabilities set forth in the Contract.

Payment and Performance Bonds

Payment and Performance Bonds are required of the Contractor. Such bonds shall be issued by a surety admitted in the state of Idaho, payable to Owner, and must be acceptable to the Owner to be valid. The Owner's acceptance shall not be withheld without a reasonable cause. The penal sum of the bonds shall each be one hundred percent (100%) of the original Contract Price. Any increase in the Contract Price that exceeds ten percent (10%) in the aggregate shall require a rider to the Bonds increasing penal sums accordingly. Up to such ten percent (10%) amount, the penal sum of the bond shall remain equal to one hundred percent (100%) of the Contract Price. The Contractor shall endeavor to keep its surety advised of changes potentially impacting the Contract Price and Contract Time, though the Contractor shall require that its surety waives any requirement to be notified of any alteration or extension of time within the scope of the initial Agreement. The performance bond shall include coverage in favor of Owner for correction of Defective Work by the Contractor for two years following Substantial Completion of the Work.

END OF SECTION 00 73 16

SECTION 00 73 73 STATUTORY REQUIREMENTS – TAX COMMISSION

Contractor shall complete the WH-5 PUBLIC WORKS CONTRACT REPORT and provide to Owner at the time of execution of the Contract. See WH-5 report on next page.

Do not file with the State Tax Commission; Owner will file the Report.

Idaho Code sections 54-1904A and 63-3624(g) require all public works contracts to be reported to the Tax Commission within thirty (30) days after a contract is awarded.

END OF SECTION 00 73 73

WH-5 Public Works Contract Report

Idaho Code sections 54-1904A and 63-3624(g) require all public works contracts to be reported to the Tax Commission. This form must be filed with the Tax Commission within 30 days after a contract is awarded.

Contract awarded by (public body and address)

Contract awarded to (contractor's name and address)

State of incorporation	Federal Employer Identification Number (EIN)	Date qualified to do business in Idaho
Business operates as <input type="checkbox"/> Sole proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation <input type="checkbox"/> LLC	Public Works contractor license number	
Sole proprietor's Social Security number	Idaho sales/use tax permit number	Idaho withholding tax permit number
Awarding agency project number	Amount of contract \$	
Description and location of work to be performed		

PROJECT DATES

Scheduled project start date: _____ Completion date: _____

If the following information is not available at this time, please indicate date it will be: _____

ALL SUBCONTRACTORS

Name	Federal EIN	
Address	Public works contractor number	
City, State, ZIP	<input type="checkbox"/> LLC <input type="checkbox"/> Sole proprietorship	<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership Amount of subcontract \$
Description of work		
Name	Federal EIN	
Address	Public works contractor number	
City, State, ZIP	<input type="checkbox"/> LLC <input type="checkbox"/> Sole proprietorship	<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership Amount of subcontract \$
Description of work		
Name	Federal EIN	
Address	Public works contractor number	
City, State, ZIP	<input type="checkbox"/> LLC <input type="checkbox"/> Sole proprietorship	<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership Amount of subcontract \$
Description of work		
Name	Federal EIN	
Address	Public works contractor number	
City, State, ZIP	<input type="checkbox"/> LLC <input type="checkbox"/> Sole proprietorship	<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership Amount of subcontract \$
Description of work		

ALL SUBCONTRACTORS (CONTINUED)

Name		Federal EIN	
Address		Public works contractor number	
City, State, ZIP	<input type="checkbox"/> LLC <input type="checkbox"/> Sole proprietorship	<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership	Amount of subcontract \$
Description of work			

Name		Federal EIN	
Address		Public works contractor number	
City, State, ZIP	<input type="checkbox"/> LLC <input type="checkbox"/> Sole proprietorship	<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership	Amount of subcontract \$
Description of work			

Name		Federal EIN	
Address		Public works contractor number	
City, State, ZIP	<input type="checkbox"/> LLC <input type="checkbox"/> Sole proprietorship	<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership	Amount of subcontract \$
Description of work			

SUPPLIERS

Use the space below to report major suppliers of materials and supplies; items removed from inventory; equipment purchased, rented, or leased for use in project; materials provided by government agency. Please indicate how sales or use tax was paid.

Name		Federal EIN	Total value \$
Address		Materials and equipment purchased and used	
City, State, ZIP	Phone	<input type="checkbox"/> Tax paid to supplier <input type="checkbox"/> Tax paid to state* <input type="checkbox"/> No tax paid	

Name		Federal EIN	Total value \$
Address		Materials and equipment purchased and used	
City, State, ZIP	Phone	<input type="checkbox"/> Tax paid to supplier <input type="checkbox"/> Tax paid to state* <input type="checkbox"/> No tax paid	

Name		Federal EIN	Total value \$
Address		Materials and equipment purchased and used	
City, State, ZIP	Phone	<input type="checkbox"/> Tax paid to supplier <input type="checkbox"/> Tax paid to state* <input type="checkbox"/> No tax paid	

Name		Federal EIN	Total value \$
Address		Materials and equipment purchased and used	
City, State, ZIP	Phone	<input type="checkbox"/> Tax paid to supplier <input type="checkbox"/> Tax paid to state* <input type="checkbox"/> No tax paid	

* If tax was not paid to suppliers but **was** or **will be** reported as "items subject to use tax" under your permit number, indicate period of return on which payment **was** or **will be** reported: _____
 If tax was paid to a state **other** than Idaho, name state next to "total value" box(es) above. If tax is due and has **not previously been reported**, attach payment to this form. **If you need more room, please photocopy this page.**

SIGN _____ HERE _____	Authorized signature	Print name	Phone number	Date
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File with the Idaho State Tax Commission, PO Box 36, Boise ID 83722-2210.

For more information, call (208) 334-7618 • Fax: (208) 332-6619 • E-mail: Contractdesk@tax.idaho.gov.

SECTION 01 10 00 - SUMMARY**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Project information.
 - 2. Work covered by Contract Documents.
 - 3. Access to site.
 - 4. Coordination with occupants & other parties affected by construction.
 - 5. Work restrictions.
 - 6. Construction Schedule
 - 7. Unit Prices for Change Orders

1.3 PROJECT INFORMATION

- A. Project Identification: ParkBOI Parking Garage LED Lighting Upgrades ("Project")
 - 1. Project Locations:
 - a. 9th & Main Garage: 866 W. Main Street, Boise, Idaho.
 - b. Capitol & Main Garage: 770 W. Main Street, Boise, Idaho.
- B. Owner: Capital City Development Corporation (CCDC).
 - 1. Owner's Representative: Ben Houpt, CCDC Project Manager
Telephone: 208-384-4264 (Office); 208-319-1208 (direct)
[bhaupt@ccdcb Boise.com](mailto:bhoupt@ccdcb Boise.com)
- C. Project Engineer: CSHQA, Inc., Boise, Idaho.
 - 1. Jason Brunson
Telephone: 208-343-4635
- D. Parking Operator: The Car Park, Inc.
 - 1. Contact: David Deignan, General Manager;
Telephone: 208-368-7944, Ext. 419

Additional Contact: Dave Duke, Assistant Manager;
Telephone: 208-368-7944, Ext. 421; 208-972-5421 (direct)

1.4 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of Project is defined by the Contract Documents and consists of the following:
 - 1. Replacing existing non-LED lights with new LED lights in two downtown parking garages. The extent of the Work is shown on the Drawings and specified in the Project Manual.
- B. Type of Contract:
 - 1. Project will be constructed under a single prime contract.

1.5 ACCESS TO SITE

- A. General: Contractor shall have limited use of Project site for construction operations as indicated by the following requirements.
- B. Use of Site: Limit use of Project site to work in areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
 - 1. Limits: Confine construction operations to Work Areas as shown on Drawings.
 - 2. Driveways and Adjacent Sidewalks: Keep Garage driveways and adjacent sidewalks serving premises clear and available to access at all times. Do not use these areas for parking or storage of materials.
 - a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
 - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
 - 3. Storage outside Work Area: May be permitted on roof levels of the garages by cordoning off 1-2 parking stalls or other available floor area in coordination with and approval by the Parking Operator. Storage area shall not interfere with Owner's operations. Limits of storage area shall be marked by fencing, barricades or similar method. Contractor accepts responsibility for the security of any materials or equipment kept in Contractor's storage areas as part of Contract.

1.6 COORDINATION WITH OCCUPANTS & OTHER PARTIES AFFECTED BY CONSTRUCTION

A. Partial Owner Occupancy: Owner will occupy the premises during the entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing entrances and exits unless otherwise indicated.

1. ParkBOI Garage Operations

- a. Garages are open 24 hours per day, 7 days per week.
- b. ParkBOI is Boise's public parking garage system catering to monthly-parking employees of nearby buildings as well as transient hourly parkers. Peak use across the system is on week days from 11:00 a.m. to 2:00 p.m. Peaks also occur on week days from 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. Lowest occupancy levels are generally on weekdays from 11:00 p.m. to 5:00 a.m.

2. Temporary Closures:

- a. At all times, the Garages shall be open to vehicular and pedestrian traffic, parking customers, and the general public on all levels of the Garage, except as otherwise provided in this Section.
- b. Establish temporary closures to protect safety of parking customers, motorists, pedestrians, and the general public from construction activity and to protect the Work from damage in coordination with the Parking Operator approval.
- c. Notice of Closures: Submit list of proposed closures and method of implementing closures to Parking Operator, Project Architect and Owner's Representative one week prior to Contractor's need for closures. Parking Operator shall indicate its approval or request revisions within two (2) business days of receipt of list.

3. Traffic Management Plan:

- a. Weekly Updates: Provide Parking Operator with a schedule of work to be performed in each upcoming week no later than Wednesday of the preceding week. Include in the schedule any requests for the following items in the upcoming week:

- 1) Temporary closures of parking stalls.

- b. Coordinate with and obtain approval from Parking Operator prior to implementing any temporary closures.

4. Traffic Safety: Contractor shall assume responsibility for safety of pedestrians near or within Work Areas and in any location where the Contractor implements changes to the normal pedestrian flow in the Garages. Owner and Parking Operator reserve the right to evaluate if Contractor's traffic control measures are

adequate once these measures are in operation and to request additional or alternative traffic controls to maintain public safety in the Garages.

5. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.
6. Provide no fewer than three (3) business days' notice to Owner of activities that will affect Owner's operations.

B. Contractor Responsibilities for Community Relations:

1. Prior to commencement of construction, participate with Owner in development of a communication and community relations plan and problem-solving approach for resolving day-to-day issues, concerns and complaints raised by parking customers, nearby businesses and their customers, condominium residents, and the general public during the construction period.
2. Assume responsibility for communicating the importance of maintaining good community relations during the Project to employees, subcontractors, and other construction personnel.
3. Enlist employees, subcontractors and other construction personnel in implementing the community relations plan.
4. Identify a point person employed by the Contractor who will represent the Contractor in taking calls from and meeting with Other Parties Affected by Construction.
5. Provide contact information for the point person which can be given to the general public.
6. Attend meetings with the Owner, Project Engineer, Parking Operator and Other Parties Affected by Construction to address community relations issues as needed.

C. Owner and Parking Operator as Liaison: Owner and Parking Operator will act as liaison between Contractor and monthly parkers regarding temporary closures.

1.7 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and sidewalks and with other requirements of authorities having jurisdiction.

B. On-Site Work Hours:

1. Work which creates noticeable noise levels for Other Parties Affected by Construction shall be limited to 8:00 a.m. to 4:00 p.m.
2. All other work on unrestricted days shall have unrestricted hours.

C. Restricted Days: As of the date of these Specifications, there are no known events in downtown Boise that will create work restrictions during the construction period. Special events may arise during the construction period that will create work restrictions. Owner and Contractor will coordinate any work restrictions at that time.

- D. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others.
- E. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner's operations. Notify Project Architect and the appropriate parties not fewer than two (2) business days in advance of proposed disruptive operations.
- F. Nonsmoking Building: Smoking is not permitted within the building or within 25 feet of entrances, operable windows, or outdoor-air intakes.
- G. Controlled Substances: Use of tobacco products and other controlled substances on Project site is not permitted.

1.8 CONSTRUCTION SCHEDULE

- A. Contractor shall submit a tentative Construction Schedule including all activities, locations, and dates to Project Architect at or before the Preconstruction Meeting. Submit a detailed Construction Schedule for Project Architect's review and approval prior to commencement of Work.
- B. Contractor shall not commence working until receipt of a written Notice to Proceed. Contractor shall diligently maintain progress and complete the work by the required Substantial and Final Completion dates.
- C. Construction Schedule shall provide for a minimum of disruption to adjacent residents and businesses.
- D. Contractor shall update the Construction Schedule as the Work progresses and provide a copy of schedule revisions to the Project Architect as they occur. At a minimum, Contractor shall provide an updated schedule no later than the first business day of each month. Schedule revisions which would affect Contractor's ability to complete the Work by the established Substantial Completion or Final Completion date require Project Architect and Owner approval through issuance of an approved Change Order.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00

SECTION 01 25 00 - SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for handling requests for substitutions made after award of the Contract.

1.3 DEFINITIONS

- A. Substitutions: Changes in products, materials, equipment, and methods of construction required by the Contract Documents proposed by the Contractor after award of the Contract are considered to be requests for substitutions. The following are not considered to be requests for substitutions:
 - 1. Substitutions requested during the bidding period, and accepted by Addendum prior to award of the Contract, are included in the Contract Documents and are not subject to requirements specified in this Section for substitutions.
 - 2. Revisions to the Contract Documents requested by the Owner or Project Architect.
 - 3. Specified options of products and construction methods included in the Contract Documents.
 - 4. The Contractor's determination of and compliance with governing regulations and orders issued by governing authorities.

1.4 SUBMITTALS

- A. Substitution Requests: The Owner and/or the Project Engineer will consider requests for substitution if received within 60 days after commencement of the Work. Requests received more than 60 days after commencement of the Work may be considered or rejected at the discretion of the Owner and/or Project Engineer.
 - 1. Submit three (3) copies of each request for substitution for consideration. Submit requests according to procedures required for change-order proposals.
 - 2. Identify the product or the fabrication or installation method to be replaced in each request. Include related Specification Section and Drawing numbers.
 - 3. Provide complete documentation showing compliance with the requirements for substitutions, and the following information, as appropriate:

- a. Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by the Owner and separate contractors, that will be necessary to accommodate the proposed substitution.
 - b. A detailed comparison of significant qualities of the proposed substitution with those of the Work specified. Significant qualities may include elements, such as performance, weight, size, durability, visual effect, and LEED material requirements.
 - c. Product Data, including Drawings and descriptions of products and fabrication and installation procedures.
 - d. Samples, where applicable or requested.
 - e. A statement indicating the substitution's effect on the Contractor's Construction Schedule compared to the schedule without approval of the substitution. Indicate the effect of the proposed substitution on overall Contract Time.
 - f. Cost information, including a proposal of the net change, if any in the Contract Sum.
 - g. The Contractor's certification that the proposed substitution conforms to requirements in the Contract Documents in every respect and is appropriate for the applications indicated.
 - h. The Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of the failure of the substitution to perform adequately.
4. The Owner and/or Project Engineer's Action: If necessary, the Owner and/or Project Engineer will request additional information or documentation for evaluation within one week of receipt of a request for substitution. The Owner and/or Project Engineer will notify the Contractor of acceptance or rejection of the substitution within two (2) weeks of receipt of the request, or within one (1) week of receipt of additional information or documentation, whichever is later. Acceptance will be in the form of a Change Order.

PART 2 - PRODUCTS

2.1 SUBSTITUTIONS

- A. Conditions: The Owner and/or Project Engineer will receive and consider the Contractor's request for substitution when one or more of the following conditions are satisfied, as determined by the Owner and/or Project Engineer. If the following conditions are not satisfied, the Owner and/or Project Engineer will return the requests without action except to record noncompliance with these requirements.
1. Extensive revisions to the Contract Documents are not required.
 2. Proposed changes are in keeping with the general intent of the Contract Documents.
 3. The request is timely, fully documented, and properly submitted.
 4. The request is directly related to an "or-equal" clause or similar language in the Contract Documents.

5. The requested substitution offers the Owner a substantial advantage, in cost, time, energy conservation, or other considerations, after deducting additional responsibilities the Owner must assume. The Owner's additional responsibilities may include compensation to the Project Engineer for redesign and evaluation services, increased cost of other construction by the Owner, and similar considerations.
 6. The specified product or method of construction cannot receive necessary approval by a governing authority, and the requested substitution can be approved.
 7. The specified product or method of construction cannot be provided in a manner that is compatible with other materials and where the Contractor certifies that the substitution will overcome the incompatibility.
 8. The specified product or method of construction cannot be coordinated with other materials and where the Contractor certifies that the proposed substitution can be coordinated.
 9. The specified product or method of construction cannot provide a warranty required by the Contract Documents and where the Contractor certifies that the proposed substitution provides the required warranty.
- B. The Contractor's submittal and the Owner and/or Project Engineer's acceptance of Shop Drawings, Product Data, or Samples for construction activities not complying with the Contract Documents do not constitute an acceptable or valid request for substitution, nor do they constitute approval.

PART 3 - EXECUTION (NOT USED)

END OF SECTION 01 25 00

SECTION 01 26 00 - CONTRACT MODIFICATION PROCEDURES**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.
 - 1. Division 01 Section 01 25 00 "Substitution Procedures" for administrative procedures for handling requests for substitutions made after award of the contract.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for handling and processing Contract modifications.

1.3 MINOR CHANGES IN THE WORK

- A. Owner or Project Engineer will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time.

1.4 CHANGE ORDER PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Owner or Project Engineer will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
 - 1. Proposal requests issued by Owner or Project Engineer are for information only. Do not consider them as an instruction either to stop work in progress or to execute the proposed change.
 - 2. Within five (5) days of receipt of a proposal request, submit an estimate of cost necessary to execute the change to the Owner or Project Engineer for the Owner's review.
 - a. Include a list of quantities of products required and unit costs, with the total amount of purchases to be made. Where requested, furnish survey data to substantiate quantities.
 - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
 - c. Include costs of labor and supervision directly attributable to the change.

- d. Include an updated Contractor's construction schedule that indicates the effect of the change on the Contract Time, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
- B. Contractor-Initiated Proposals: When latent or unforeseen conditions require modifications to the Contract, the Contractor may propose changes by submitting a request for a change to the Owner.
1. Include a statement outlining the reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and Contract Time.
 2. Include a list of quantities of products required and unit costs, with the total amount of purchases to be made. Where requested, furnish survey data to substantiate quantities.
 3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
 4. Include costs of labor and supervision directly attributable to the change.
 5. Include an updated Contractor's construction schedule that indicates the effect of the change on the Contract Time, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
 6. Comply with requirements in Division 01 Section "Substitution Procedures" if the proposed change requires substitution of one product or system for product or system specified.

1.5 CONSTRUCTION CHANGE DIRECTIVE

- A. Work Change Directive: When the Owner and the Contractor disagree on the terms of a Proposal Request, the Owner and Project Engineer may issue a Work Change Directive. A Work Change Directive instructs the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
1. Work Change Directive contains a complete description of change in the Work. It also designates the method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Work Change Directive.
1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

1.6 CHANGE ORDER PROCEDURES

- A. Upon the Owner's approval of a Proposal Request, the Owner or Project Engineer will issue a Change Order for signatures.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 26 00

SECTION 01 29 00 - PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements governing the Contractor's Applications for Payment.

1.3 DEFINITIONS

- A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.
 - 1. Coordinate the Schedule of Values and Applications for Payment with Contractor's Construction Schedule, Submittal Schedule, and List of Subcontracts.

1.4 SCHEDULE OF VALUES

- A. Coordination: Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.
 - 1. Correlate line items in the Schedule of Values with other required administrative forms and schedules.
 - 2. Submit the Schedules of Values for Project Engineer's review and approval no later than the date for the Preconstruction Meeting.
- B. Format and Content: Use a Schedule of Values similar to the sample (associated with Section 00 62 76 Application for Payment Form) provided in the Project Manual, or use an alternate form acceptable to the Project Engineer; follow the format and submit complete information as indicated in the sample.
 - 1. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports.
 - 2. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
 - 3. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

4. Each item in the Schedules of Values and Payment Applications shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
 - a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the Schedule of Values or distributed as general overhead expense, at Contractor's option.
5. Schedule Updating: Update and resubmit the Schedule of Values before the next Application for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

1.5 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as certified by and paid for by Owner.
 1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.
- B. Payment Application Times: The period covered by each Application for Payment is one month, ending on the last day of the month. Contractor shall submit the Application for Payment by the fifth business day following the last day of the month. Applications received after the fifth business day following the last day of the month shall be reviewed the following month, without exception.
- C. Application for Payment Forms: Use Application for Payment form provided or an equivalent form acceptable to the Owner.
- D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Owner will return incomplete applications without action.
 1. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.
 2. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
- E. Information on Mechanic's Liens: Contractor acknowledges that Owner is a public entity and that any property owned by Owner is considered public property, and that liens on public property are not enforceable. Contractor agrees that it shall not file any liens against property owned or controlled by Owner which is a part of the Worksite (the "Property"). Subject to Owner's payment of the compensation in accordance with the terms of this Agreement, Contractor will promptly discharge all liens, if any, filed against the Property by Contractor's subcontractors, suppliers and materialmen, and agents and persons employed by any of such persons.

- F. Initial Application for Payment: Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors.
 2. List of principal suppliers and fabricators.
 3. Schedule of Values.
 4. Contractor's Construction Schedule.
 5. Copies of building permits.
 6. Copies of authorizations and licenses from governing authorities for performance of the Work.
 7. Certificates of insurance and insurance policies.
 8. Performance and payment bonds.
 9. Data needed to acquire the Owner's insurance.
 10. Report of preconstruction.
- G. Application for Payment at Substantial Completion: After the Project Engineer issues the Certificate of Substantial Completion, submit an Application for Payment.
1. This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.
 2. Administrative actions and submittals that shall precede or coincide with this application include:
 - a. Occupancy permits and similar approvals.
 - b. Warranties (guarantees) and maintenance agreements.
 - c. Test/adjust/balance records.
 - d. Maintenance instructions.
 - e. Changeover information related to Owner's occupancy, use, operation, and maintenance.
 - f. Final cleaning.
 - g. Application for reduction of retainage and consent of surety.
 - h. List of incomplete Work, recognized as exceptions to Project Engineer's Certificate of Substantial Completion.
- H. Final Payment Application: Administrative actions and submissions that must precede or coincide with submittal of the final Application for Payment include the following:
1. Completion of Project closeout requirements.
 2. Completion of items specified for completion after Substantial Completion.
 3. Transmittal of required Project construction records to the Owner.
 4. Insurance certificates for products and completed operations where required.
 5. Proof that taxes, fees, and similar obligations were paid.
 6. Removal of temporary facilities and services.
 7. Removal of surplus materials, rubbish, and similar elements.
 8. Updated final statement, accounting for final changes to the Contract Sum.
 9. Tax Release from the Idaho State Tax Commission.
 10. AIA Document G706, "Contractor's Affidavit of Payment of Debts and Claims."
 11. Evidence that claims have been settled, if applicable.
 12. Final liquidated damages settlement statement, if applicable.

- I. Contractor shall execute an Acknowledgment of Final Payment Form provided to Contractor by Owner in exchange for the Final Payment.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 29 00

SECTION 01 31 00 – PROJECT MANAGEMENT AND COORDINATION**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. General Coordination Procedures
 - 2. Requests for Information (RFI's)
 - 3. Project Meetings

1.3 DEFINITIONS

- A. RFI: Request from Owner, Project Engineer, or Contractor seeking information required by or clarifications of the Contract Documents.

1.4 GENERAL COORDINATION PROCEDURES.

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation, connection and operation of each part of the Work.
 - 1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
 - 2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
 - 3. Make adequate provisions to accommodate items scheduled for later installation.
- B. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to:
 - 1. Preparation of Contractor's Construction Schedule.
 - 2. Preparation of the Schedule of Values.
 - 3. Installation and removal of temporary facilities and controls.
 - 4. Delivery and processing of submittals.

5. Progress Meetings
6. Project closeout activities.

1.5 REQUESTS FOR INFORMATION (RFIs).

- A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI to the Project Engineer in the format specified.
1. Use the RFI Form provided in the Project Manual or an alternative form acceptable to the Project Engineer; follow the format and submit complete information as indicated on the provided form.
 2. Project Engineer will return RFIs submitted to Project Engineer by other entities controlled by Contractor with no response.
 3. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.
- B. Project Engineer's Action: Project Engineer will review each RFI, determine action required, and respond. Allow seven working days for Project Engineer's response for each RFI.
1. Project Engineer's action may include a request for additional information, in which case Project Engineer's time for response will date from time of receipt of additional information.
 2. Project Engineer's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Contract Modification Procedures.
 - a. If Contractor believes the Project Engineer's RFI response warrants a change in the Contract Time or the Contract Sum, notify Project Engineer in writing within 48 hours (weekends omitted) of receipt of the RFI response.

1.6 PROJECT MEETINGS

- A. General: Conduct progress meetings at regular intervals.
1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner of scheduled meeting dates and times.
 2. Agenda: Prepare the meeting agenda; distribute to all invited attendees.
 3. Minutes: Record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Project Architect, within three (3) business days of the meeting.
- B. Preconstruction Meeting: Owner shall schedule and conduct a Preconstruction Meeting to review responsibilities and personnel assignments at a time convenient to Contractor, but no later than seven (7) Days after execution of the Agreement and prior to start of construction.

1. Attendees: Authorized representatives of Owner, Parking Operator, Contractor, and Contractor's Project Manager; major subcontractors; suppliers; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to make decisions related to the Work.
 2. Agenda: Discuss items of significance that could affect progress, including:
 - a. Designation of key personnel and their duties.
 - b. Lines of communications.
 - c. Distribution of the Contract Documents.
 - d. Tentative Construction Schedule.
 - e. Construction phasing.
 - f. Access & Security Plan.
 - g. Communication and community relations strategy.
 - h. Procedures for RFIs.
 - i. Submittal procedures.
 - j. Procedures for processing field decisions and Change Orders.
 - k. Procedures for testing and inspecting.
 - l. Procedures for processing Applications for Payment.
 - m. Use of premises and existing building.
 - n. Owner's occupancy requirements.
 - o. Work restrictions (days and hours); events that may create restrictions.
 - p. Limits on use of elevators and stairwells.
 - q. Traffic controls and temporary closures (includes Procedures).
 - r. Parking availability.
 - s. Work and storage areas.
 - t. Equipment deliveries and priorities.
 - u. First aid.
 - v. Progress cleaning.
 3. Minutes: Owner or designee will record and distribute meeting minutes.
- C. Progress Meetings: Contractor shall conduct a weekly Progress Meeting with Owner's Representative each week during the construction period in order to coordinate construction activities and to identify and resolve issues arising during construction.
1. Location: Progress Meetings are typically held in the field but may be held at Owner's offices if an office location is needed.
 2. Attendees: Contractor, Owner's Representative, and any subcontractors or subconsultants needed in attendance to better coordinate the work. Contractor shall be responsible for notifying subcontractors, and Owner's Representative shall be responsible for notifying subconsultants needed in attendance.
 3. Agenda: Items to be discussed not limited to the following:
 - a. Project Schedule.
 - b. Status of Work, including any specific field issues or questions.
 - c. Review present and future needs of Attendees, including:
 - 1) Interface requirements.

- 2) Status of submittals.
 - 3) Deliveries.
 - 4) Site utilization and access.
 - 5) Quality and work standards.
 - 6) Status of correction of deficient items.
 - 7) Field observations.
 - 8) Testing results.
 - 9) Status of RFIs.
 - 10) Pending changes.
4. Minutes: Owner's Representative shall be responsible for preparing and distributing meeting minutes to Owner, Contractor, and any subcontractors or subconsultants that have work assignments resulting from the meeting.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 31 00

SECTION 01 33 00 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for submittals required for performance of the Work, including: Shop Drawings, Product Data, Samples, and other submittals.

1.3 DEFINITIONS

- A. Action Submittals: Written and graphic information and physical samples that require Project Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals." Submittals may be rejected for not complying with requirements.
- B. Informational Submittals: Written and graphic information and physical samples that do not require Project Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."
- C. Portable Document Format (PDF): An open standard file format licensed by Adobe Systems used for representing documents in a device-independent and display resolution-independent fixed-layout document format.

1.4 SUBMITTAL ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
 - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 - 2. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
 - 3. Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.

- a. Project Engineer reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- B. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Project Engineer's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
1. Initial Review: Allow five (5) business days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required.
 2. Resubmittal Review: Allow five (5) business days for review of each resubmittal.
 3. No extension of Contract Time will be authorized because of failure to transmit submittals to the Project Engineer sufficiently in advance of the Work to permit processing.
- D. Electronic Submittals: Owner and Project Engineer require electronic submittals. Identify and incorporate information in each electronic submittal file as follows:
1. Assemble complete submittal package into a single indexed file incorporating submittal requirements of a single Specification Section and transmittal form with links enabling navigation to each item.
 2. Name file with submittal number or other unique identifier, including revision identifier.
 - a. File name shall use project identifier and Specification Section number followed by a decimal point and then a sequential number (e.g., LNHS-061000.01).
 - b. Resubmittals shall include an alphabetic suffix after another decimal point (e.g., LNHS-061000.01.A).
 3. Provide means for insertion to permanently record Contractor's review and approval markings and action taken by Project Engineer.
 4. Transmittal Form for Electronic Submittals: Use electronic form acceptable to Owner, containing the following information:
 - a. Project name.
 - b. Date.
 - c. Name and address of Contractor's Project Manager.
 - d. Name of firm or entity that prepared submittal.
 - e. Names of subcontractor, manufacturer, and supplier.
 - f. Category and type of submittal.
 - g. Submittal purpose and description.
 - h. Transmittal number.
 - i. Transmittal index and navigation links to each specification section or drawing number for which a submittal is being made.
 - j. Location(s) where product is to be installed, as appropriate.
 - k. Related physical samples submitted directly.
 - l. Indication of full or partial submittal.
 - m. Other necessary identification.
 - n. Remarks.

- E. Options: Identify options requiring selection by Project Engineer.
- F. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
 - 1. Note date and content of previous submittal.
 - 2. Note date and content of revision in label or title block and clearly indicate extent of revision.
 - 3. Resubmit submittals until they are marked with approval notation from Project Architect's action stamp.
- G. Distribution: Furnish copies of final submittals to manufacturers' representatives, subcontractors, suppliers, fabricators, Installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- H. Use for Construction: Use only final action submittals that are marked with approval notation from Project Engineer's action stamp.

PART 2 - PRODUCTS

2.1 SUBMITTAL PROCEDURES

- A. General Submittal Procedure Requirements: Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
 - 1. Submit electronic submittals via email as PDF electronic files.
 - a. Each submittal shall have a shop drawing or Contractor's document stamp on the submittal prior to submittal to Project Engineer. Contractor's document stamp shall indicate that Contractor reviewed the submittal and determined, to the best of Contractor's ability, the submittal is in general conformance with the Drawings and Specifications. Contractor's document stamp shall be signed and dated.
 - b. Project Engineer will return annotated electronic file. Annotate and retain one copy of file as an electronic Project record document file.
 - 2. Action Submittals: Submit via email as PDF electronic files. Project Engineer will return annotated electronic file.
 - 3. Informational Submittals: Submit via email as PDF electronic files. Project Engineer will not respond to informational submittals.
 - 4. Certificates and Certifications Submittals: Provide a digital signature on electronically submitted certificates and certifications where allowed. Provide a notarized statement on original paper copy certificates and certifications where indicated or where required by Project Engineer or Owner.
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.

1. If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as Product Data.
 2. Mark each copy of each submittal to show which products and options are applicable.
 3. Each submittal and/or product data shall have a shop drawing or Contractor's document stamp on the submittal prior to submittal to Project Engineer. Contractor's document stamp shall indicate that Contractor reviewed the submittal and determined, to the best of Contractor's ability, the submittal is in general conformance with the Drawings and Specifications. Contractor's document stamp shall be signed and dated.
 4. Include the following information, as applicable:
 - a. Manufacturer's catalog cuts.
 - b. Manufacturer's product specifications.
 - c. Standard color charts.
 - d. Statement of compliance with specified referenced standards.
 - e. Testing by recognized testing agency.
 - f. Application of testing agency labels and seals.
 - g. Notation of coordination requirements.
 - h. Availability and delivery time information.
 5. Submit Product Data before or concurrent with Samples.
- C. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
 2. Identification: Attach label on unexposed side of Samples that includes the following:
 - a. Specification Section number and reference.
 - b. Generic description of Sample.
 - c. Sample source.
 - d. Product name or name of manufacturer.
 - e. Compliance with recognized standards.
 - f. Availability and delivery time.
 3. For projects where electronic submittals are required, provide corresponding electronic submittal of Sample transmittal, digital image file illustrating Sample characteristics, and identification information for record.
 4. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
 - a. Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.

5. Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available.
 - a. Number of Samples: Submit one full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line. Project Engineer will return submittal with options selected.
6. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.
 - a. Number of Samples: Submit one set of Samples. Project Engineer will retain Sample set.
 - 1) Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.
 - 2) If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least three (3) sets of paired units that show approximate limits of variations.
- D. Application for Payment and Schedule of Values: Comply with requirements specified in Section 01 29 00 "Payment Procedures."
- E. Closeout Submittals and Maintenance Material Submittals: Comply with requirements specified in Section 01 77 00 "Closeout Procedures."
- F. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of architects and owners, and other information specified.
- G. Installer Certificates: Submit written statements on manufacturer's letterhead certifying that Installer complies with requirements in the Contract Documents and, where required, is authorized by manufacturer for this specific Project.
- H. Manufacturer Certificates: Submit written statements on manufacturer's letterhead certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.
- I. Product Certificates: Submit written statements on manufacturer's letterhead certifying that product complies with requirements in the Contract Documents.

- J. Product Test Reports: Submit written reports indicating that current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

- A. Action and Informational Submittals: Review each submittal and check for coordination with other Work under the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Project Engineer.
- B. Project Closeout and Maintenance Material Submittals: Follow the requirements in Section 01 7700 "Closeout Procedures."
- C. Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

3.2 PROJECT ENGINEER'S ACTION

- A. General: Project Engineer will not review submittals that do not bear Contractor's approval stamp and will return them without action. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from the Project Engineer.
- B. Action Submittals: Project Engineer will review each submittal, make marks to indicate corrections or revisions required, and return promptly. Project Engineer will stamp each submittal with an action stamp and will mark stamp appropriately to indicate the action taken.
- C. Informational Submittals: Project Engineer will review each submittal and will not return it, or will return it if it does not comply with requirements. Project Engineer will forward each submittal which complies with requirements to appropriate party.
- D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will be returned for resubmittal without review.
- E. Submittals not required by the Contract Documents may be returned by the Project Engineer without action.

END OF SECTION 01 33 00

SECTION 01 40 00 - QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
 - 1. Specific quality-assurance and -control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in these Sections may also cover production of standard products.
 - 2. Specified tests, inspections, and related actions do not limit Contractor's other quality-assurance and -control procedures that facilitate compliance with the Contract Document requirements.
 - 3. Requirements for Contractor to provide quality-assurance and -control services required by Project Engineer, Owner, or authorities having jurisdiction are not limited by provisions of this section.

1.3 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual products incorporated in the Work and completed construction comply with requirements. Services do not include contract enforcement activities performed by Project Engineer.
- C. Preconstruction Testing: Tests and inspections performed specifically for Project before products and materials are incorporated into the Work, to verify performance or compliance with specified criteria.
- D. Product Testing: Tests and inspections that are performed by an NRTL, an NVLAP, or a testing agency qualified to conduct product testing and acceptable to authorities

having jurisdiction, to establish product performance and compliance with specified requirements.

- E. Source Quality-Control Testing: Tests and inspections that are performed at the source, e.g., plant, mill, factory, or shop.
- F. Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.
- G. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.
- H. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
 - 1. Use of trade-specific terminology in referring to a trade or entity does not require that certain construction activities be performed by accredited or unionized individuals, or that requirements specified apply exclusively to specific trade(s).
- I. Experienced: When used with an entity or individual, "experienced" means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

1.4 CONFLICTING REQUIREMENTS

- A. Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to Project Engineer for a decision before proceeding.
- B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Project Engineer for a decision before proceeding.

1.5 ACTION SUBMITTALS

- A. Shop Drawings: For integrated exterior mockups, provide plans, sections, and elevations, indicating materials and size of mockup construction.
 - 1. Indicate manufacturer and model number of individual components.
 - 2. Provide axonometric drawings for conditions difficult to illustrate in two dimensions.

1.6 INFORMATIONAL SUBMITTALS

- A. Contractor's Quality-Control Plan: For quality-assurance and quality-control activities and responsibilities.
- B. Qualification Data: For Contractor's quality-control personnel.

1.7 CONTRACTOR'S QUALITY-CONTROL PLAN

- A. Quality-Control Plan, General: Submit quality-control plan prior to or on the date established for the Preconstruction Conference. Submit in format acceptable to Owner's Representative. Identify personnel, procedures, controls, instructions, tests, records, and forms to be used to carry out Contractor's quality-assurance and quality-control responsibilities. Coordinate with Contractor's Construction Schedule.
- B. Quality-Control Personnel Qualifications: Engage qualified full-time personnel trained and experienced in managing and executing quality-assurance and quality-control procedures similar in nature and extent to those required for Project.
 - 1. Project quality-control manager may also serve as Project superintendent.
 - 2. Project quality-control manager shall be on site full time during surface preparation and installation of traffic coating system.
- C. Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process. Indicate qualifications of personnel responsible for submittal review.
- D. Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring work into compliance with standards of workmanship established by Contract requirements and approved mockups.
- E. Monitoring and Documentation: Maintain testing and inspection reports including log of approved and rejected results. Include work the Project Engineer has indicated as nonconforming or defective. Indicate corrective actions taken to bring nonconforming work into compliance with requirements. Comply with requirements of authorities having jurisdiction.

1.8 REPORTS AND DOCUMENTS

- A. Manufacturer's Technical Representative's Field Reports: Prepare written information documenting manufacturer's technical representative's tests and inspections specified in other Sections. Include the following:
 - 1. Name, address, and telephone number of technical representative making report.
 - 2. Statement on condition of substrates and their acceptability for installation of product.
 - 3. Statement that products at Project site comply with requirements.

4. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
 5. Results of operational and other tests and a statement of whether observed performance complies with requirements.
 6. Statement whether conditions, products, and installation will affect warranty.
 7. Other required items indicated in individual Specification Sections.
- B. Factory-Authorized Service Representative's Reports: Prepare written information documenting manufacturer's factory-authorized service representative's tests and inspections specified in other Specification Sections. Include the following:
1. Name, address, and telephone number of factory-authorized service representative making report.
 2. Statement that equipment complies with requirements.
 3. Results of operational and other tests and a statement of whether observed performance complies with requirements.
 4. Statement whether conditions, products, and installation will affect warranty.
 5. Other required items indicated in individual Specification Sections.
- C. Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

1.9 QUALITY ASSURANCE

- A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.
- B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- C. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
- D. Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- E. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

1.10 QUALITY CONTROL

- A. Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner are Contractor's responsibility. Perform additional quality-control activities required to verify that the Work complies with requirements, whether specified or not.
1. Unless otherwise indicated, provide quality-control services specified and those required by authorities having jurisdiction. Perform quality-control services required of Contractor by authorities having jurisdiction, whether specified or not.
 2. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services.
 - a. Contractor shall not employ same entity engaged by Owner, unless agreed to in writing by Owner.
 3. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
 4. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
 5. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
 6. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
- B. Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing.
- C. Manufacturer's Technical Services: Where indicated, engage a manufacturer's technical representative to observe and inspect the Work. Manufacturer's technical representative's services include participation in preinstallation conferences, examination of substrates and conditions, verification of materials, observation of Installer activities, inspection of completed portions of the Work, and submittal of written reports.
- D. Retesting/Reinspection: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.
- E. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:
1. Access to the Work.
 2. Incidental labor and facilities necessary to facilitate tests and inspections.
 3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
 4. Facilities for storage and field curing of test samples.
 5. Delivery of samples to testing agencies.

6. Preliminary design mix proposed for use for material mixes that require control by testing agency.
 7. Security and protection for samples and for testing and inspecting equipment at Project site.
- F. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and –control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
1. Schedule times for tests, inspections, obtaining samples, and similar activities.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

3.1 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
 1. Provide materials and comply with installation requirements specified in other Specification Sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible.
- B. Protect construction exposed by or for quality-control service activities.
- C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION 01 40 00

SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

1.3 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated in this Section.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Contractor shall be responsible to select appropriate materials and methods for the following temporary installations and for advising the Parking Operator of the materials and methods to be used prior to installation:
 1. Securing each Work Area such that the general public does not enter a Work Area during the duration of construction in that Work Area. Contractor is responsible for the safety of each Work Area and protection of the Work from damage.
 2. Delineating and securing temporary storage areas.
 3. Establishing temporary closures.

2.2 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

PART 3 - EXECUTION**3.1 INSTALLATION, GENERAL**

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2 TEMPORARY UTILITY INSTALLATION

- A. **Water Service:** Do not connect to Owner's existing water service facilities. Water supply is not available on all levels of Owner's facility. Contractor shall furnish own water supply for construction operations.
- B. **Wastewater:** Dispose of any wastewater from construction operations at an approved off-site location. Do not dispose of wastewater into Owner's sanitary sewer system, public storm drains, or tree wells. Disposal of wastewater into any storm sewer is strictly prohibited under Title 8, Chapter 15 of the Boise City Code. Contractor is responsible for proper off-site disposal in a legal manner of all wastewater generated by the Work and for any associated disposal fees.
- C. **Sanitary Facilities:** Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Temporary toilets shall be secured when construction personnel are not present in the adjacent Work Area. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
- D. **Isolation of Work Areas in Occupied Facilities:** Prevent dust, fumes, and odors from entering occupied areas.
 - 1. Maintain dust partitions during the Work. Use vacuum collection attachments on dust-producing equipment. Isolate limited work within occupied areas using portable dust-containment devices.
- E. **Ventilation and Humidity Control:** Provide temporary ventilation required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce ambient condition required and minimize energy consumption.
 - 1. Provide dehumidification systems when required to reduce substrate moisture levels to level required to allow installation or application of finishes.
 - 2. Provide ventilation of elevator vestibule and stairwells as required for installation of coating systems. Ventilation shall be adequate to confine vapors resulting from

coating system application to Work Areas and prevent intrusion into occupied spaces and adjacent properties.

3. Use dust partitions as necessary to prevent windblown debris from entering workspace and noxious fumes from entering public areas or occupied areas.
- F. Heating and Cooling: Provide temporary heating and cooling required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of low or high temperatures. Select equipment that will not have a harmful effect on completed installations or elements being installed.
- G. Electric Power Service: Electric power from Owner's existing system may be used if outlets are readily available to Work Area without payment of use charges. Provide connections and extensions of services as required for construction operations. Maintain equipment in a condition acceptable to Owner. Electric extensions crossing pedestrian and vehicular traffic areas shall be protected and taped securely to avoid creating hazards. Parking Operator reserves the right to disallow the use of electrical extensions if deemed a safety hazard.
- H. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.

3.3 SUPPORT FACILITIES INSTALLATION

- A. Parking: Owner will provide two (2) roof-top parking spaces for use by construction personnel, in the garage where Contractor's work is being performed, at no charge to the Contractor. Contractor shall submit list of personnel working on the Project that will be authorized to use designated parking areas. Authorized construction personnel will be issued parking passes. Contractor shall coordinate with the Parking Operator on parking logistics.
- B. Traffic Management: See Section 01 10 00 for requirements related to traffic management planning in the Garages when Work is being performed.
- C. Waste Disposal Facilities:
1. Provide waste collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress and final cleaning requirements in Section 01 73 00.
 2. Care shall be taken not to overload the existing slab structure during waste removal operations.
 3. Remove trash, waste and construction debris from Project site and legally dispose of them in a legal and lawful manner. Comply with the requirements of authorities having jurisdiction. Owner advises that Owner does not own any trash or recycling dumpsters in the Garage, and dumpsters are not available for Contractor's use.

- D. Existing Elevator Use: Use of elevators by construction personnel will be permitted, provided elevators are cleaned and maintained in a condition acceptable to Owner. If floors or walls become dirty, clean them at least weekly. Use of Owner's existing elevators shall not be used to move equipment, construction materials, or supplies. Carrying tool belts and light hand tools by construction personnel when using elevators is acceptable. At Substantial Completion, restore elevators to condition existing before initial use, including replacing worn cables, guide shoes, and similar items of limited life.
1. Do not load elevators beyond their rated weight capacity.
 2. Provide protective coverings, barriers, devices, signs, or other procedures to protect elevator car and entrance doors and frame. If, despite such protection, elevators become damaged, engage authorized elevator technician to restore damaged work so no evidence remains of correction work. Return items that cannot be refinished in field to the shop, make required repairs and refinish entire unit, or provide new units as required.
 3. Maintain normal elevator operation and public access to at least one (1) elevator and elevator landing in the Garage at all times.
- E. Existing Stair Usage: Use of Owner's existing stairs will be permitted, provided stairs are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore stairs to condition existing before initial use. If stairs become damaged from use by construction personnel, restore damaged areas so no evidence remains of correction work.
1. Do not damage handrails guardrails, walls, ceiling, stair tread, landing surfaces, or other fixtures and surfaces in the stairwells.
- F. Existing Smoke Alarms: Protect existing smoke alarms from damage. A smoke alarm in an elevator lobby or on an elevator landing shall remain in operation when the elevator lobby is open for public use. A smoke alarm in an elevator lobby may be disabled when work is being performed in the lobby and/or the lobby is closed to public use. Coordinate disabling of smoke alarms with the Parking Operator.

3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- C. Security Enclosure and Lockup: Install temporary enclosure around partially completed areas of construction. Secure Work Areas to protect public safety and to prevent unauthorized entrance, vandalism, theft, and damage to the Work whenever construction personnel are absent from the Work Area.

- D. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- E. Temporary Egress: Maintain temporary egress from existing occupied facilities as indicated and as required by authorities having jurisdiction.
- F. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities.
 - 1. Where heating or cooling is needed and permanent enclosure is incomplete, insulate temporary enclosures.

3.5 OPERATION, TERMINATION, AND REMOVAL

- A. Maintenance: Maintain facilities in good operating condition until removal.
- B. Termination and Removal: Remove each temporary facility when needed for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
 - 1. Materials and facilities that constitute temporary facilities are property of Contractor.
 - 2. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period.

END OF SECTION 01 50 0

SECTION 01 60 00 - PRODUCT REQUIREMENTS**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for selection of products for use in Project; product delivery, storage, and handling; manufacturers' standard warranties on products; special warranties; and comparable products.
- B. Related Requirements:
 - 1. Section 01 25 00 "Substitution Procedures" for requests for substitutions. Allowance for substitution requests is intended for use during Contract Time, and allowance for requests for comparable products is intended for use during bidding. Requests for comparable products are not allowed during Contract Time.
- C. The terms "Project Engineer", "Owner's Project Manager," and "Project Manager" are equivalent.

1.3 DEFINITIONS

- A. Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.
 - 1. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature, which is current as of date of the Contract Documents.
 - 2. New Products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
 - 3. Comparable Product: Product that is demonstrated and approved through submittal process to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.
- B. Basis-of-Design Product Specification: A specification in which a specific manufacturer's product is named and accompanied by the words "basis-of-design product," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance,

and other characteristics for purposes of evaluating comparable products of additional manufacturers named in the specification.

1.4 ACTION SUBMITTALS

- A. Comparable Product Requests: Submit request for consideration of each comparable product. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title.
1. Requests for consideration of comparable products will only be entertained during bidding.
 2. Include data to indicate compliance with the requirements specified in this section.
 3. Project Engineer's Action: If necessary, Project Engineer will request additional information or documentation for evaluation within seven (7) Days of receipt of a comparable product request. Project Engineer will notify Contractor of approval or rejection of proposed comparable product request no later than the last day for issuing addenda, at which time an addendum shall be issued notifying bidders that a comparable product has been approved.

1.5 QUALITY ASSURANCE

- A. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, select product compatible with products previously selected, even if previously selected products were also options.
1. Each contractor is responsible for providing products and construction methods compatible with products and construction methods of other contractors.
 2. If a dispute arises between contractors over concurrently selectable but incompatible products, Project Engineer will determine which products shall be used.

1.6 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Contractor shall deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism. Comply with manufacturer's written instructions.
- B. Delivery and Handling:
1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of Work Areas.
 2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
 3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.

4. Inspect products on delivery to determine compliance with the Contract Documents and to determine that products are undamaged and properly protected.

C. Storage:

1. Store products to allow for inspection and measurement of quantity or counting of units.
2. Store products that are subject to damage by the elements, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation.
3. Protect foam plastic from exposure to sunlight, except to extent necessary for period of installation and concealment.
4. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
5. Protect stored products from damage and liquids from freezing.
6. Provide a secure location and enclosure at Project site for storage of materials and equipment by Contractor's construction forces.

1.7 PRODUCT WARRANTIES

- A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.
1. Manufacturer's Warranty: Written warranty furnished by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
 2. Special Warranty: Written warranty required by the Contract Documents to provide specific rights for Owner.
- B. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution.
1. Manufacturer's Standard Form: Modified to include Project-specific information and properly executed.
 2. Specified Form: When specified forms are included with the Specifications, prepare a written document using indicated form properly executed.
- C. Submittal Time: Comply with requirements in Section 01 77 00 "Closeout Procedures."

PART 2 - PRODUCTS

2.1 PRODUCT SELECTION PROCEDURES

- A. General Product Requirements: Provide products that comply with the Contract Documents, are undamaged and, unless otherwise indicated, are new at time of installation.

1. Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
2. Standard Products: If available, and unless custom products or nonstandard options are specified, provide standard products of types that have been produced and used successfully in similar situations on other projects.
3. Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.
4. Where products are accompanied by the term "as selected," Project Engineer will make selection.
5. Descriptive, performance, and reference standard requirements in the Specifications establish salient characteristics of products.
6. Or Equal: For products specified by name and accompanied by the term "or equal," or "or approved equal," or "or approved," comply with requirements in Section 01 60 00 to obtain approval for use of an unnamed product.

B. Product Selection Procedures:

1. Product: Where Specifications name a single manufacturer and product, provide the named product that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered.
2. Manufacturer/Source: Where Specifications name a single manufacturer or source, provide a product by the named manufacturer or source that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered.
3. Products:
 - a. Restricted List: Where Specifications include a list of names of both manufacturers and products, provide one of the products listed that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered.
 - b. Nonrestricted List: Where Specifications include a list of names of both available manufacturers and products, provide one of the products listed, or an unnamed product, that complies with requirements.
4. Manufacturers:
 - a. Restricted List: Where Specifications include a list of manufacturers' names, provide a product by one of the manufacturers listed that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered.
 - b. Nonrestricted List: Where Specifications include a list of available manufacturers, provide a product by one of the manufacturers listed, or a product by an unnamed manufacturer, that complies with requirements.
5. Basis-of-Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers. Drawings and Specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named.

- C. Visual Selection Specification: Where Specifications include the phrase "as selected by Project Engineer from manufacturer's full range" or similar phrase, select a product that complies with requirements. Project Engineer will select color, gloss, pattern, density, or texture from manufacturer's product line that includes both standard and premium items.

2.2 COMPARABLE PRODUCTS

- A. Requests for Comparable Products during Bidding: Requests for comparable products will only be considered during bidding process and not during the Contract Time.
- B. Conditions for Consideration: Project Engineer will consider Contractor's request for comparable product when the following conditions are satisfied. If the following conditions are not satisfied, Project Engineer may return requests without action, except to record noncompliance with these requirements:
 - 1. Evidence that the proposed product does not require revisions to the Project Manual, that it is consistent with the Project Manual and will produce the indicated results, and that it is compatible with other portions of the Work.
 - 2. Detailed comparison of significant qualities of proposed product with those named in the Specifications. Significant qualities include attributes such as performance, weight, size, durability, visual effect, and specific features and requirements indicated.
 - 3. Evidence that proposed product provides specified warranty.
 - 4. List of similar installations for completed projects. For each project, provide the project name; contact information for key person responsible for project including name, address, telephone number and email address; and names, telephone numbers and email addresses for the owner and project engineer. Completed projects used as examples shall be accessible to Project Engineer and Owner.
 - 5. Samples, if requested.
 - 6. Quantify the difference in product cost, product delivery time and time of installation.
- C. Form and Time for Submittal: Bidder's request for comparable product approval shall be in writing and shall be submitted using the Request for Approval of Comparable Product Form 00 43 25, or a form providing the same information acceptable to the Project Engineer.
 - 1. Requests shall be submitted to the Project Engineer no later than 5:00 p.m. seven (7) days prior to bid due date.
 - 2. Project Engineer shall make the determination whether to allow a comparable product no later than the last day for issuing addenda and shall issue an addendum notifying bidders that a comparable product has been approved.
 - 3. Requests that are incomplete will be rejected.
 - 4. Project Engineer and/or Owner may determine, in their sole discretion that there is insufficient information or time to analyze a product given the time allowed for a decision by the Project Engineer.

PART 3 - EXECUTION (Not Used)

FORMS REFERENCED IN THIS SECTION

Section 00 43 25 Request for Approval of Comparable Product Form

END OF SECTION 01 60 00

SECTION 01 73 00 - EXECUTION**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes:
 - 1. Examination
 - 2. Preparation
 - 3. Construction layout
 - 4. Installation of the Work
 - 5. Progress cleaning
 - 6. Protection of installed construction

PART 2 - PRODUCTS (Not Used)**PART 3 - EXECUTION****3.1 EXAMINATION**

- A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning site work, investigate and verify the existence and location of utilities, mechanical and electrical systems, and other construction affecting the Work.
- B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.
 - 1. Examine floors, walls, and rails for suitable conditions where products and systems are to be installed.
 - 2. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- C. Written Report: If conditions detrimental to performance of the Work is discovered, provide a written report to include the following:

1. Description of the Work.
 2. List of detrimental conditions, including substrates.
 3. List of unacceptable installation tolerances.
 4. Recommended corrections.
- D. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- B. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.
- C. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of Contractor, submit a request for information (RFI) to Project Engineer.

3.3 CONSTRUCTION LAYOUT

- A. Verification: Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to the property survey and existing benchmarks. If discrepancies are discovered, notify Project Engineer promptly.

3.4 INSTALLATION

- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
1. Make vertical work plumb and make horizontal work level.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

- E. Sequence the Work and allow adequate clearances to accommodate movement of construction items on site and placement in permanent locations.
- F. Sequence the Work to allow continued occupancy of the parking garages. Coordinate schedule with CCDC.
- G. Tools and Equipment: Do not use tools or equipment that produces harmful noise levels.
- H. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.
- I. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.

3.5 PROGRESS CLEANING

- A. General: Clean Project site and Work Areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
 - 1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
 - 2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F.
 - 3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
 - a. Use containers intended for holding waste materials of type to be stored.
 - 4. Coordinate progress cleaning for joint-use areas where Contractor and other contractors are working concurrently.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
 - 1. Remove liquid spills promptly and completely.
 - 2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire Work Area, as appropriate.
- D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.

- E. Exposed Surfaces in Finished Areas: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.
- F. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sanitary or storm sewers, tree wells, or into waterways. Capture all water used for cleaning and prep work.
- G. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.
- H. Limiting Exposures: Supervise construction operations to assure that no part of the construction completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

3.6 PROTECTION OF INSTALLED CONSTRUCTION

- A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.
- B. Comply with manufacturer's written instructions for temperature and relative humidity.

END OF SECTION 01 73 00

SECTION 01 77 00 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
 - 1. Substantial Completion procedures
 - 2. List of incomplete items (Punch List)
 - 3. Final Completion procedures
 - 4. Warranties
 - 5. Maintenance manuals
 - 6. Project Record Documents.
 - 7. Materials
 - 8. Final cleaning
 - 9. Repair of the Work

1.3 SUBSTANTIAL COMPLETION PROCEDURES

- A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the value of each item on the list and reasons why the Work is incomplete.
- B. Submittals Prior to Substantial Completion Inspection: Deliver the following submittals to the Owner's Representative a minimum of five (5) business days prior to requesting Substantial Completion Inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
 - 1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
 - 2. Submit closeout submittals specified in other Division 01 Sections, including project record documents, operation and maintenance manuals, and similar final record information.
 - 3. Submit closeout submittals specified in individual Specification Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.

4. Submit test/adjust/balance records.
 5. Submit changeover information related to Owner's use, operation, and maintenance.
- C. Procedures Prior to Substantial Completion: Complete the following a minimum of five (5) business days prior to requesting inspection for determining date of the Substantial Completion. List items below that are incomplete at time of request.
1. Terminate and remove temporary facilities from Project Site, along with mockups, construction tools, and similar elements.
 2. Complete final cleaning requirements.
 3. Repair and restore existing buildings and improvements if damaged and/or defaced by construction activity whether inside or outside Project Site to match existing condition prior to commencement of construction.
 4. Touch up and otherwise repair and restore marred exposed finished to eliminate visual defects including touchup painting.
- D. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of three (3) business days prior to date the Work will be completed and ready for inspection. On receipt of request, Project Engineer will either proceed with inspection or notify Contractor of unfulfilled requirements. Project Engineer will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Project Engineer, that must be completed or corrected before certificate will be issued.
1. Reinspection: Request reinspection when the Work identified in previous inspections is completed or corrected.
 2. Results of completed inspection will form the basis for requirements for Final Completion.

1.4 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
1. Organize list of spaces in sequential order, starting with exterior areas first and proceeding from lowest floor to highest floor.
 2. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.
 3. Include the following information at the top of each page:
 - a. Project Name
 - b. Date
 - c. Name of Project Engineer
 - d. Name of Contractor
 - e. Page number

1.5 FINAL COMPLETION PROCEDURES

- A. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:
 - 1. Submit a final Application for Payment according to Contract requirements.
 - 2. Certified List of Incomplete Items: submit certified copy of Project Engineer's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by the Project Engineer. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
 - 3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.
- B. Inspection: Submit a written request for final inspection to determine acceptance a minimum of two (2) business days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Project Engineer will either proceed with inspection or notify Contractor of unfulfilled requirements. Project Engineer will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
 - 1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete or defective is completed or corrected.
- C. Acknowledgement of Final Payment: Contractor shall execute an Acknowledgment of Final Payment Form provided by Owner in exchange for Final Payment.

1.6 WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Project Engineer for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated, or when delay in submittal of warranties might limit Owner's rights under warranty.
- B. Partial Occupancy: Submit properly executed warranties within fifteen (15) Days of completion of designated portions of the Work that are completed and occupied or used by Owner during construction period by separate agreement with Contractor.
- C. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.
 - 1. Bind warranties and bonds in heavy-duty, three-ring, loose-leaf binders, thickness as necessary to accommodate contents and sized to receive 8-1/2-by-11-inch paper.
 - 2. Provide heavy paper dividers with tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.
 - 3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.

4. Warranty Electronic File: Scan warranties and bonds and assemble complete warranty and bond submittal package into a single indexed electronic PDF file with links enabling navigation to each item. Provide bookmarked table of contents at beginning of document.

PART 2 - PRODUCTS

2.1 MAINTENANCE MANUALS

- A. Submit maintenance manuals available from manufacturer to Owner's Representative in PDF format and paper copies at the time the Substantial Completion Inspection is requested.
 1. PDF documents shall be submitted as a digital folder by flash drive or disk and shall include the Project name in the folder name. Each manufacturer's or supplier's maintenance documentation shall be in a separate digital file within the digital folder. The digital folder shall also include a PDF document with the following information:
 - a. Name of Project
 - b. Project Location
 - c. Name and contact information for Contractor
 - d. Contact information for each manufacturer and supplier providing maintenance information.
 2. Bind paper copies in heavy-duty, three-ring, loose-leaf binders, thickness as necessary to accommodate contents and sized to receive 8-1/2-by-11-inch paper. Identify the binder on the front and spine with the typed or printed title "MAINTENANCE MANUALS," Project name, and name of Contractor

2.2 PROJECT RECORD DOCUMENTS

- A. As-Built Drawings and Record Drawings:
 1. As Built Drawings: Submit one set of original, clean Drawings issued by Owner as part of the Contract Documents ("Contract Drawings") marked-up to show any changes made in the field during the course of construction such as design changes approved by Owner, actual installations, component relocations required for coordination, rerouting of distribution system, etc. which differ from the original Drawings ("As-Built Drawings"). Deliver As-Built Drawings to the Owner's Representative at the time the Substantial Completion Inspection is requested. Project Engineer will indicate whether general scope of changes, additional information recorded and quality of drafting are acceptable. If the submittal is not acceptable to Project Engineer it will be returned to Contractor for corrections.
- B. Record Specifications:

1. Maintain copy of the Contract Documents for purposes of annotating where the actual product installation varies from that indicated in the Contract Documents. Submit annotated portions of the Contract Documents to the Owner's Representative prior to requesting a Substantial Completion Inspection. The Project Engineer may request corrections in the Contractor's submittal to make the submittal more legible and complete.

2.3 MATERIALS

- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
 1. Use cleaning products that comply with Green Seal's GS-37, or if GS-37 is not applicable, use products that comply with the California Code of Regulations maximum allowable VOC levels.

PART 3 - EXECUTION

3.1 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:
 - a. Clean Project site in areas disturbed by construction activities of rubbish, waste material, litter, and other foreign substances.
 - b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
 - c. Remove tools, construction equipment, machinery, and surplus material from Project site.
 - d. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
 - e. Clean elevators and stair treads, and elevator vestibule and stair towers to remove construction residue and debris, and foreign substances.
 - f. Remove debris and surface dust from limited access spaces affected by construction.
 - g. Sweep concrete floors broom clean in unoccupied spaces.

- h. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Polish mirrors and glass, taking care not to scratch surfaces.
- i. Remove labels that are not permanent.
- j. Wipe surfaces of mechanical and electrical equipment, elevator equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
- k. Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.
- l. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
- m. Leave Project clean and ready for occupancy.

3.2 REPAIR OF THE WORK

- A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.
- B. Repair or remove and replace defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces and touching up with matching materials. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.
 - 1. Remove and replace chipped, scratched, and broken glass, reflective surfaces, and other damaged transparent materials.
 - 2. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that already show evidence of repair or restoration.
 - 3. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
 - 4. Repair and restore existing building surfaces if damaged and/or defaced by construction activity whether inside or outside Project Site to match existing condition prior to commencement of construction.

END OF SECTION 01 77 00

SYMBOLS

	CONDUIT CONTINUATION		EMERGENCY EXIT SIGN WITH BATTERY BACKUP- SHADED QUARTER OF SYMBOL INDICATES LIGHTED 'EXIT' ON THAT FACE
	CONDUIT CONCEALED IN WALL OR CEILING		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	CONDUIT EXISTING		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	CONDUIT CONCEALED UNDERGROUND		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	HOMERUN		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	CONDUIT STUB DOWN		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	STUB THROUGH		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	CONDUIT STUB UP		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	JUNCTION BOX (NEW, EXISTING, DEMO)		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	ELECTRICAL DISTRIBUTION PANELBOARD		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	EQUIPMENT ENCLOSURE AS NOTED		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	DUPLEX RECEPTACLE (NEW, EXISTING, DEMO)		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	DOUBLE DUPLEX RECEPTACLE		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	250 VOLT RECEPTACLE: COORDINATE REQUIREMENTS WITH EQUIPMENT BEING SERVED		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	DUPLEX FLOOR RECEPTACLE: FLUSH WITH BRASS COVER		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	FLUSH FLOOR BOX		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	DUPLEX RECEPTACLE, COMM/DATA, A/V		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	ALL RECEPTACLES: X = EP - EXPLOSION PROOF GFI - GROUND FAULT INTERRUPTER WP - WEATHERPROOF		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	SPECIAL ELECTRICAL CONNECTION: COORDINATE REQUIREMENTS WITH EQUIPMENT BEING SERVED		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	SHEET NOTE CALLOUT		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT
	REVISION DELTA		EMERGENCY LIGHTING (SURFACE, RECESSED) CONNECT TO UNSWITCHED LOCAL LIGHTING CIRCUIT

ABBREVIATIONS

#C	SIZE OF TRADE SIZE CONDUIT. # = 1/2", 2".	KW	KILOWATT
#P	NUMBER OF POLES. # = 1P, 2P, ETC.	KWH	KILOWATT HOUR
#W	NUMBER OF WIRES. # = 3W, 4W, ETC.	LCP	LIGHTING CONTROL PANEL
A	AMPERE	LTS	LIGHTS / LIGHTING
AC	ALTERNATING CURRENT	MCC	MOTOR CONTROL CENTER
ADA	AMERICANS WITH DISABILITIES ACT	MDSB	MAIN DISTRIBUTION SWITCHBOARD
AFF	ABOVE FINISHED FLOOR	MFR	MANUFACTURER
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUG ONLY
AHJ	AUTHORITY HAVING JURISDICTION	(N)	NEW DEVICE/EQUIPMENT - FOR CLARIFICATION
AIC	AMPERE INTERRUPTING CAPACITY	N/A	NOT APPLICABLE
AL	ALUMINUM	NC	NORMALLY CLOSED
ANN	ANNUNCIATOR	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AWG	AMERICAN WIRE GAUGE	NESAC	NATIONAL ELECTRICAL SAFETY CODE
CB	CIRCUIT BREAKER	NO	NORMALLY OPEN
CEILING	CEILING	NO.	NUMBER
CONDUIT	CONDUIT	NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY - AS DEFINED BY OSHA
CAND	CANDELLA	OC	OVER COUNTER TOP BACKSPLASH - COORDINATE INSTALLATION
CT	CURRENT TRANSFORMER	O.H.	OPPOSITE HAND - MIRRORRED OR ROTATED LAYOUT
CU	COPPER	OS	OCCUPANCY SENSOR
DC	DIRECT CURRENT	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
DPDT	DOUBLE POLE, DOUBLE THROW	PF	POWER FACTOR
DPST	DOUBLE POLE, SINGLE THROW	PH	PHASE
(E)	EXISTING DEVICE/EQUIPMENT - FOR CLARIFICATION	(R)	RELOCATED DEVICE/EQUIPMENT - FOR CLARIFICATION
EMT	ELECTRICAL METALLIC TUBING	REC	RECEPTACLE
EP	EXPLOSION PROOF	REV	REVISION
EWH	ELECTRIC WALL HEATER	RTU	ROOF TOP UNIT
F	FUSE	SPDT	SINGLE POLE, DOUBLE THROW
FACP	FIRE ALARM CONTROL PANEL	SPST	SINGLE POLE, SINGLE THROW
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SST	SOFT START/STOP MOTOR STARTER
GFI	GROUND FAULT INTERRUPTER	SYMM	SYMMETRICAL
GPEP	GROUND FAULT PROTECTION OF EQUIPMENT	TK	TOE KICK
GND	GROUND	TTB	TELEPHONE TERMINAL BOARD
HOA	HAND-OFF-AUTO	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HP	HORSE POWER	TYP	TYPICAL
HVAC	HEATING VENTILATION AND AIR CONDITIONING	UN	UNLESS OTHERWISE NOTED
I/O	INPUT / OUTPUT	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLTAGE
INC	INCANDESCENT	VA	VOLT-AMPERE
J-BOX	JUNCTION BOX	VFD	VARIABLE FREQUENCY MOTOR DRIVE
KCML	THOUSAND CIRCULAR MIL	WH	WATER HEATER
KD	KNOCK OUT	WP	WEATHERPROOF
KV	KILOVOLT	XFMR	TRANSFORMER
KVA	KILOVOLT AMPERE	XFR	TRANSFER SWITCH

SPECIFICATIONS

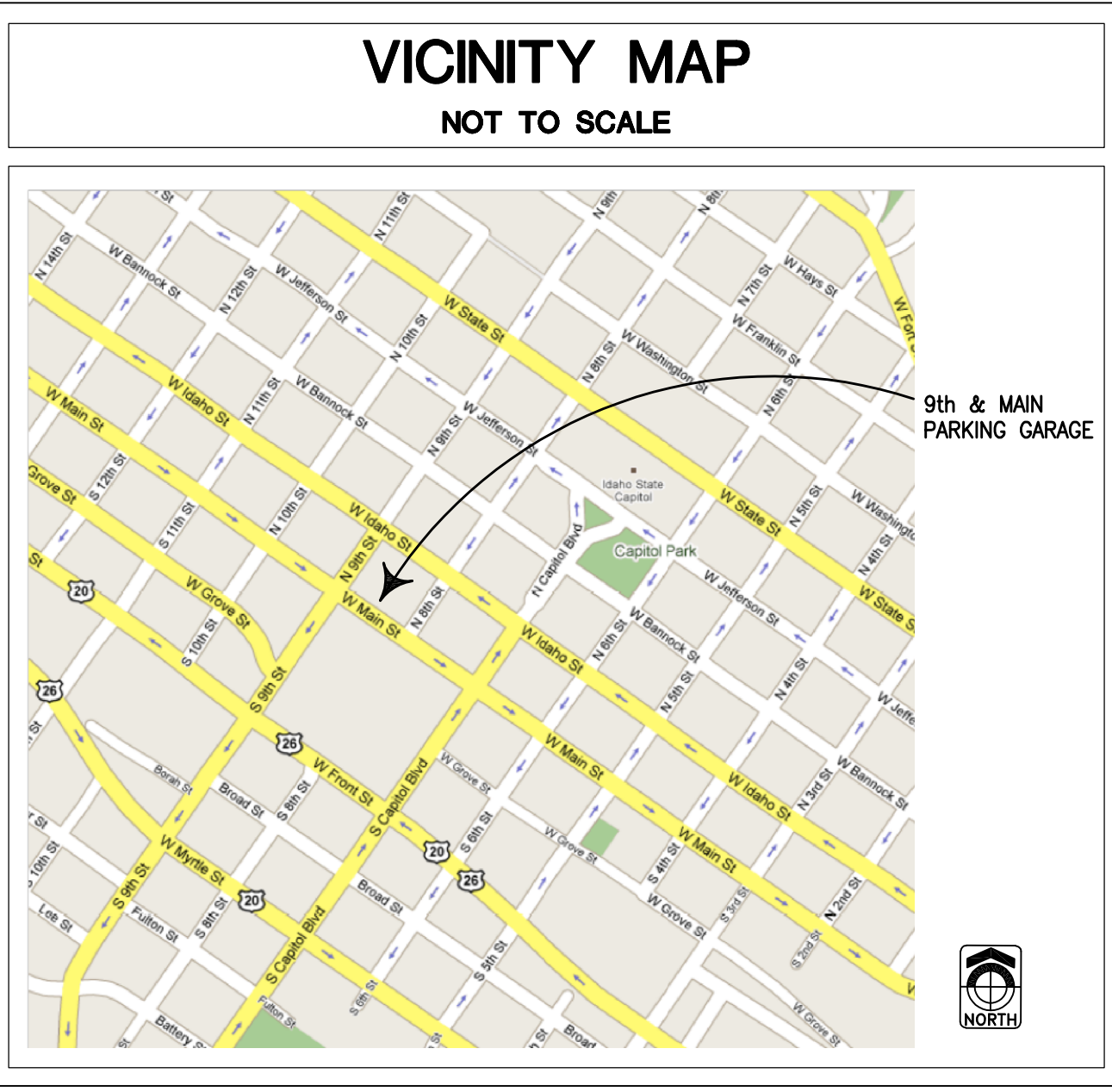
- THE DRAWINGS ARE INTENDED TO GRAPHICALLY REPRESENT THE OVERALL SCOPE OF WORK AND NOT TO PROVIDE EVERY DETAIL NECESSARY FOR FINAL PROJECT COMPLETION. ALL LOCATIONS ARE APPROXIMATE UNLESS DIMENSIONED, OR NOTED OTHERWISE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER LOCATIONS WITH ALL CONTRACT DOCUMENTS AND WITH OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR PROFICIENCY AND UNDERSTANDING OF THE WORK INTENDED UNDER THIS CONTRACT.
- ALL CONTRACT DRAWINGS AND DOCUMENTS SHALL BE CONSIDERED AS PART OF THE ELECTRICAL WORK EVEN WHEN NOT SPECIFICALLY CALLED OUT OR REFERENCED.
- THE SCOPE OF WORK INCLUDES, BUT SHALL NOT BE LIMITED TO; ALL LABOR, EQUIPMENT, MATERIALS, TRANSPORTATION, INSPECTIONS, AND START-UP TO FURNISH AND INSTALL A COMPLETE AND OPERATING ELECTRICAL SYSTEM IN COMPLIANCE WITH THE CONTRACT DOCUMENTS
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND BE RESPONSIBLE FOR ANY FEES ASSOCIATED WITH THE PERMIT PROCESS.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION ASSOCIATION, STATE, AND LOCAL CODES. OTHER APPLICABLE CODES SHALL INCLUDE BUT NOT BE LIMITED TO:
 - OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
 - AMERICAN WITH DISABILITIES ACT (ADA)
 - AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
 - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
 - NATIONAL ELECTRICAL SAFETY CODE (NESC)
 - UNIFORM BUILDING CODE (UBC)
 - UNIFORM FIRE CODE (UFC)
- ALL EQUIPMENT AND MATERIAL FURNISHED SHALL BE NEW AND FREE OF DEFECTS. IT SHALL BEAR EITHER THE (UL) LABEL OR A LABEL FROM A NATIONALLY RECOGNIZED THIRD PARTY TESTING AGENCY. ALL EQUIPMENT AND MATERIAL INSTALLED AS AN ASSEMBLY SHALL BE TESTED AND CERTIFIED AS AN ASSEMBLY. THE CONTRACTOR SHALL PROVIDE CERTIFICATION DOCUMENTS FOR ALL EQUIPMENT AND MATERIAL NOT CARRYING THE PROPER LABELS.
- EQUIPMENT AND MATERIAL FURNISHED SHALL BE THE MANUFACTURERS STANDARD CATALOG EQUIPMENT. FIRST OF A KIND EQUIPMENT IS NOT ACCEPTABLE. INSTALLATION SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATIONS.
- EQUIPMENT AND MATERIAL SHALL BE STORED IN A CLEAN AND SAFE MANNER. IT SHALL BE STORED IN AN ENVIRONMENT WHERE IT IS PROTECTED FROM DIRT, MOISTURE, AND PHYSICAL DAMAGE.
- IT IS GENERALLY IMPLIED WHERE SPECIFIC EQUIPMENT AND MATERIAL HAS BEEN CALLED OUT BY MANUFACTURER AND MODEL NUMBER TO SET A STANDARD OF QUALITY AND TYPE, UNLESS SPECIFICALLY STATED OTHERWISE. THE CONTRACTOR SHALL BE OBLIGATED TO FURNISH ACCEPTABLE EQUALS WHENEVER POSSIBLE IN ORDER TO PROVIDE THE OWNER WITH THE BEST COST ALTERNATIVE. ACCEPTABLE EQUALS SHALL BE CAPABLE OF FITTING IN THE DESIGNATED SPACE, BE OF THE SAME COLOR, HAVE THE SAME PERFORMANCE CHARACTERISTICS, CARRY THE SAME WARRANTY, AND MEET THE PROJECT SCHEDULE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE DOCUMENTATION THAT CLEARLY INDICATES THE TEMS TO BE FURNISHED ARE ACCEPTABLE EQUALS. THE ENGINEER RESERVES THE RIGHT TO REJECT QUESTIONABLE SUBMITTAL INFORMATION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO IDENTIFY ANY SITE CONDITIONS THAT MAY IMPACT THE PROJECT WORK PRIOR TO BID. EXISTING CONDITIONS WILL NOT BE AN ACCEPTABLE MEANS FOR OBTAINING CHANGE ORDER.
- INSTANCES WHERE ALL OR A PORTION OF THE PROJECT SITE WILL REMAIN OCCUPIED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE THE USE OF THE PREMISES FOR VEHICLE USE, EQUIPMENT STORAGE, AND ACCEPTABLE HOURS OF WORK WITH THE PROJECT MANAGER. THE OCCUPIED SPACES SHALL REMAIN FULLY FUNCTIONAL WITH POWER, LIGHTING, FIRE SAFETY, AND OTHER ANCILLARY SYSTEMS. ANY TYPE OF OUTAGE SHALL BE SCHEDULED IN ADVANCE WITH THE PROJECT MANAGER. THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR LOSSES ATTRIBUTED TO UNSCHEDULED OUTAGES.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER SERVICES FOR THE DURATION OF THE PROJECT WHERE THE SITE DOES NOT HAVE A USABLE EXISTING SERVICE. ALL TEMPORARY SERVICES SHALL BE INSTALLED IN A SAFE AND WORKMANLIKE MANNER TO PREVENT INJURY AND TO PROJECT SITE PERSONNEL.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE PROJECT SCHEDULE AS WELL AS OTHER TRADES. THE CONTRACTOR SHALL REPLACE WORK REMOVED OR DAMAGED DUE TO INTERFERENCE WITH OTHER TRADES, NOT COORDINATED, AT THEIR EXPENSE. REPLACEMENT SHALL NOT IMPACT THE ORIGINAL PROJECT SCHEDULE.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN A NEAT, WORKMANLIKE, SAFE, AND COMPLETE MANNER. THE OWNER, OWNERS REPRESENTATIVE, OR INSPECTOR HAS THE AUTHORITY TO CONDEMN WORK NOT MEETING THESE STANDARDS. THE WORK SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER, WHILE MAINTAINING THE PROJECT SCHEDULE.
- WHERE CUTTING, DRILLING, TRENCHING, OR CHANNELING IS NECESSARY FOR PROPER INSTALLATION OF EQUIPMENT, THE WORK SHALL BE PERFORMED IN A SAFE, WORKMANLIKE MANNER BY COMPETENT, SKILLED CRAFTSMEN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OCCURRING BY HIMSELF OR OTHER SUB-TRADES FOR WORK PERFORMED. MODIFICATIONS TO THE STRUCTURE SHALL BE APPROVED BY A STRUCTURAL ENGINEER.
- PENETRATIONS THROUGH FIRE RESISTIVE STRUCTURES SHALL BE DONE SUCH THAT THE RATED INTEGRITY OF THE STRUCTURE IS NOT COMPROMISED. THIS INCLUDES COMPLIANCE WITH ALL CODES AND INSPECTION AGENCIES. DISCREPANCIES BETWEEN THE DESIGN AND CODE REQUIREMENTS SHALL BE ADDRESSED PRIOR TO THE COMMENCEMENT OF WORK. CHANGE ORDERS WILL NOT BE GRANTED FOR WORK ALREADY IN PROGRESS.
- MAINTAIN CONFORM TO CONSTRUCTION DRAWINGS. THEY SHALL BE KEPT ON SITE AND AVAILABLE FOR EXAMINATION BY THE OWNER, OWNERS REPRESENTATIVE, OR AUTHORITY HAVING JURISDICTION. FAILURE TO MAINTAIN THE DRAWINGS ON A DAILY BASIS MAY BE GROUNDS FOR FORFEITURE OF FINAL PAYMENT.
- EQUIPMENT AND MATERIAL SHALL BE WARRANTED FOR AT LEAST (2) YEAR FROM THE DATE OF OWNER ACCEPTANCE OF THE PROJECT. ANY FAILURE OF EQUIPMENT OR MATERIALS DURING THE WARRANTY PERIOD SHALL BE REPAIRED OR REPLACED TO LIKE NEW CONDITIONS WITHOUT CHARGE. FIXTURES SHALL COMPLY WITH IDAHO POWER RETROFIT RECOMMENDATIONS AND BE LISTED ON THE PRE-APPROVED FIXTURE LISTS NOTED ON FIXTURE SCHEDULE.
- THE DRAWINGS DO NOT NECESSARILY SHOW POWER OR CONTROL WIRING AND CONDUIT FOR FEEDERS, HOMERUNS, INTERCONNECTIONS BETWEEN ELECTRICAL EQUIPMENT, AND CONNECTIONS TO ELECTRICALLY DRIVEN EQUIPMENT, UNLESS NEEDED FOR CLARIFICATION. IT IS IMPLIED THAT ALL CONDUIT, WIRE, FITTINGS, SUPPORTS AND HANGERS SHALL BE FURNISHED AND INSTALLED AS NECESSARY TO FURNISH A COMPLETE WORKING ELECTRICAL SYSTEM.
- ALL CIRCUITS AND HOMERUNS ARE SIZED FOR INDIVIDUAL CONDUITS. THE CONTRACTOR MAY COMBINE CONDUCTORS INTO COMMON CONDUITS AT HIS DISCRETION, HOWEVER THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR MAINTAINING PROPER VOLTAGE DROP, MOTOR STARTING CAPABILITIES, SHORT CIRCUIT REQUIREMENTS, AND AMPACITIES. ALL CONDUITS TO BE SIZED PER CURRENT NEC CONDUIT FILL REQUIREMENTS.
- CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL CONDUIT ONLY SYSTEMS, AND CONDUIT AND WIRE SYSTEMS INSTALLED IN FINISHED WALLS, CEILING, AND FLOORS SHALL BE COMPLETELY CONCEALED. IN AREAS WHERE SURFACE MOUNTING OF CONDUIT IS ACCEPTABLE THE CONDUIT SHALL BE RUN PARALLEL OR AT RIGHT ANGLES WITH STRUCTURAL MEMBERS. MULTIPLE RUNS OF CONDUIT IN THE SAME DIRECTION SHALL MAINTAIN SYMMETRICAL SPACING BETWEEN CONDUITS.
- ACCEPTABLE CONDUIT SYSTEMS ARE FLEXIBLE METAL, EMT, GALVANIZED RIGID STEEL, PVC AND METAL CLAD. CONDUIT SYSTEMS SHALL BE INTERPRETED AS ALL CONDUIT, FITTINGS, SUPPORTS BOXES AND OTHER EQUIPMENT TO FURNISH AND INSTALL A COMPLETE WORKING SYSTEM.
- JUNCTION BOXES AND HANDHOLES SHALL BE PROVIDED AS NECESSARY TO FURNISH A COMPLETE WORKING ELECTRICAL SYSTEM. THE CONTRACTOR SHALL FOLLOW THE NEC FOR MINIMUM SIZING AND PERMISSIBLE LOCATION REQUIREMENTS.
- LOCATE BOXES, OUTLETS, SWITCHES, FIXTURES, AND OTHER APPARATUS SYMMETRICALLY ON FLOORS, WALLS, AND CEILING WHERE NOT SPECIFICALLY DIMENSIONED. THE FOLLOWING GUIDELINES SHALL BE USED FOR NON-DIMENSIONED LOCATIONS.
 - CONVENIENCE OUTLETS - 18 INCHES AFF TO CENTER
 - SWITCHES - 48 INCHES AFF TO CENTER
 - COMMUNICATION OUTLETS - 18 INCHES AFF TO CENTER
- DEVICES SHALL BE RECESSED FLUSH IN ALL FINISHED WALLS WITH THE DEVICES MOUNTED VERTICALLY, UNLESS NOTED OTHERWISE. BOXES MOUNTED IN COMMON WALLS SHALL BE OFFSET A MINIMUM OF 12 INCHES. BACK TO BACK BOX MOUNTING SHALL NOT BE ACCEPTABLE. SUPPORT DEVICE BOXES WITH STUD-WALL BOX SUPPORT, SUCH AS THE "CADDY MOUNTING BRACKET FOR ANY ELECTRICAL BOX."
- FURNISH AND INSTALL ALL SUPPORTS TO THE BUILDING OR STRUCTURAL MEMBERS REQUIRED FOR INSTALLATION OF EQUIPMENT IN CEILING, WALLS, VOID SPACES, AND ABOVE SUSPENDED OR FURRED CEILING. CHAIN MAY BE USED FOR FIXTURES UNLESS NOTED OTHERWISE. SUPPORTS SHALL BE CAPABLE OF SUSTAINING A MINIMUM OF FOUR TIMES THE FINISHED WEIGHT OF THE OBJECT.
- FURNISH AND INSTALL ALL DEVICES LISTED IN THE FIXTURE SCHEDULE COMPLETE WITH ACCESSORIES AND OPTIONS LISTED. AFTER INSTALLATION ENSURE THAT THEY ARE CLEAN, AND FREE OF DIRT OR DEBRIS, AND THAT NO MONOGRAMS OR LABELS ARE VISIBLE ON THE FINISHED SURFACES.
- ON JOB SITES REQUIRING DEMOLITION, ALL ELECTRICAL EQUIPMENT REMOVED SHALL BE DISCARDED AND HAULED AWAY FROM THE PREMISES. CONDUIT, WIRE, AND BOXES SHALL BE REMOVED BACK TO THE PANEL, OR THE LAST JUNCTION BOX, WHICHEVER CAUSES THE LEAST AMOUNT OF DESTRUCTION TO THE EXISTING STRUCTURE, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL TEST ALL REMAINING CONDUCTORS THAT WILL BE REUSED FOR ELECTRICAL INTEGRITY. THOSE FOUND TO BE UNSUITABLE FOR THE INTENDED APPLICATION SHALL BE REPLACED AT NO COST. CONCEALED CONDUITS SHALL BE ABANDONED IN PLACE, CUT OFF FLUSH WITH THE EXISTING SURFACE, AND FILLED WITH A PERMANENT AND NON-REMOVABLE MATERIAL.
- ELECTRICAL CONDUCTORS SHALL BE COPPER, 600 VOLT, THHN/THWN, 90 DEGREE CELSIUS FOR DRY LOCATIONS AND 75 DEGREES CELSIUS FOR WET LOCATIONS. THE MINIMUM SIZE WIRE FOR POWER AND LIGHTING SHALL BE #12 AWG. THE MINIMUM SIZE FOR CONTROL AND INSTRUMENTATION SHALL BE #14 AWG. FOR CONDUCTORS SIZED #10 AND SMALLER, CONDUCTORS MAY BE EITHER SOLID OR STRANDED. CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS:

A. 480Y/277V SYSTEMS	
PHASE A	- BROWN
PHASE B	- ORANGE
PHASE C	- YELLOW
NEUTRAL	- GRAY
GROUND	- GREEN OR BARE
B. 208Y/120V SYSTEMS	
PHASE A	- BLACK
PHASE B	- RED
PHASE C	- BLUE
NEUTRAL	- WHITE
GROUND	- GREEN OR BARE
- DEVICES SHALL BE FURNISHED AND INSTALLED AS LISTED IN THE DEVICE SCHEDULE.
- PANELBOARD DIRECTORIES SHALL BE UPDATED AS NECESSARY TO REFLECT THE FINISHED WORK. THE CONTRACTOR SHALL FURNISH ACCURATE AND TYPED PANEL SCHEDULES BEFORE FINAL PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL CLEAN ALL EQUIPMENT INTERIORS AND EXTERIORS PRIOR TO OPERATION. THE ENTIRE ELECTRICAL SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE OWNER, OR OWNERS REPRESENTATIVE BEFORE IT SHALL BE ACCEPTED FOR SERVICE.
- VERIFY EXACT SERVICE POINTS AND WIRING REQUIREMENTS OF ALL FIXTURES AND EQUIPMENT WITH SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. IF THERE ARE DISCREPANCIES BETWEEN THE WIRING REQUIREMENTS AND THE DRAWINGS, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY AND ROUGH-IN SHALL NOT BEGIN UNTIL DIRECTED BY THE ARCHITECT.

GENERAL NOTES:

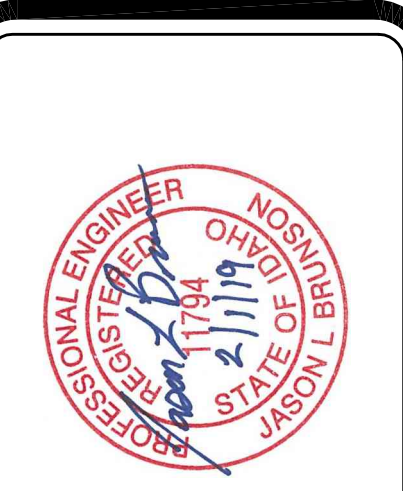
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCALLY ADOPTED ELECTRICAL CODE, ALL LOCAL CODES, AND TO THE FULL ACCEPTANCE OF THE AUTHORITY HAVING JURISDICTION.
- OBTAIN ALL PERMITS, COORDINATE, FURNISH, INSTALL, CONNECT AND TEST ALL ELECTRICAL EQUIPMENT REQUIRED FOR ALL THE SYSTEMS INSTALLED UNDER THIS CONTRACT TO INSURE COMPLETE AND FULLY OPERATIONAL SYSTEMS.
- CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS. AS-BUILT SET OF DRAWINGS SHALL BE UPDATED DAILY AND SHALL DOCUMENT THE ACTUAL INSTALLED CONDITION OF THE ENTIRE ELECTRICAL INSTALLATION. AS-BUILT SET OF DRAWINGS SHALL BE AVAILABLE AT ALL TIMES ON THE SITE FOR INSPECTION BY CODE OFFICIALS, OWNER, ARCHITECT, AND ENGINEER.
- PROPOSED MODIFICATIONS OF ENGINEERED ELECTRICAL DRAWINGS SHALL BE APPROVED BY ENGINEER OF RECORD PRIOR TO PROCEEDING WITH WORK. PROPOSED CHANGES SHALL COMPLY WITH ALL APPLICABLE CODES/JURISDICTION REQUIREMENTS. COST OF ANY ENGINEERING/REVIEW REQUIRED BY PROPOSED CHANGES SHALL BE BORNE BY ENTITY PROPOSING CHANGE.
- ALL EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN FULLY FUNCTIONAL, UNO.
- CONTRACTOR SHALL COORDINATE ALL POWER OUTAGES WITH THE OWNER AND OBTAIN PERMISSION A MINIMUM OF (5) DAYS PRIOR TO REMOVAL OF POWER.
- PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES, AND LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
- DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS.
- DEMOLITION WORK IS A PART OF THIS PROJECT. SEE DRAWINGS FOR EXISTING ELECTRICAL DEVICES TO BE REMOVED. REMOVE ASSOCIATED BOXES, RACEWAYS AND CONDUCTORS BACK TO SOURCE, AND MAKE SAFE. RACEWAYS THAT ARE IN WALLS OR FLOORS WHICH ARE TO REMAIN SHALL BE ABANDONED IN PLACE. THE RACEWAY SHALL BE REMOVED TO BELOW THE SURFACE OF THE ASSOCIATED WALL OR FLOOR. THE RESULTING DEPRESSION SHALL BE REPAIRED TO MATCH THE ADJACENT SURFACE.
- CONTRACTOR SHALL DISPOSE OF THE REMOVED ELECTRICAL DISPOSAL OF DEVICES SHALL COMPLY WITH ALL APPROPRIATE CODES. REUSE EXISTING CONDUITS AND JUNCTION BOXES AS IS PRACTICAL.
- ALL EXISTING CIRCUITS TO REMAIN THAT RUN THROUGH WALLS TO BE REMOVED SHALL BE REROUTED AND RECONNECTED. REPAIR AND PATCH ALL WALLS TO MATCH SURROUNDING SURFACES.
- IF A CIRCUIT TO REMAIN IS INTERRUPTED AS A RESULT OF WORK RELATING TO THIS PROJECT, THE CIRCUIT SHALL BE RE-ENERGIZED AS REQUIRED TO MAINTAIN POWER TO THE AFFECTED DEVICES.
- COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT AND DEVICES WITH THE ARCHITECTURAL ELEVATIONS AND DETAILS PRIOR TO ROUGH-IN.
- ALL MATERIALS AND EQUIPMENT FURNISHED TO THE PROJECT SHALL BE NEW AND SHALL BEAR THE LISTING LABEL OF UNDERWRITERS LABORATORY (UL), WHERE APPLICABLE.
- ALL ELECTRICAL BOXES, FITTINGS AND CABINETS SHALL BE OF STEEL CONSTRUCTION, GALVANIZED OR POWDER COATED, NEMA 1 TYPE, UNO.
- ALL ELECTRICAL DEVICES AND TERMINALS SHALL BE RATED 75% MINIMUM.
- ALL CONDUCTORS SHALL BE COPPER, 600 VOLT RATED. CONDUCTORS SIZED #10 AND SMALLER MAY BE STRANDED OR SOLID. INSULATION TYPE SHALL BE THHN/THWN. FULLY COLOR CODED WITH GAUGE, TYPE AND MANUFACTURER MARKED EVERY 24" ALONG. CONDUCTOR COLOR CODE SHALL BE AS FOLLOWS:

208Y/120 VOLT SYSTEM	480Y/277 VOLT SYSTEM
PHASE A - BLACK	PHASE A - BROWN
PHASE B - RED	PHASE B - ORANGE
PHASE C - BLUE	PHASE C - YELLOW
NEUTRAL - WHITE	NEUTRAL - GREY
GROUND - GREEN	GROUND - GREEN
- MINIMUM SIZE WIRE FOR POWER AND LIGHTING CIRCUITS SHALL BE #12 AWG.
- CONDUCTOR SIZE SHALL BE CONTINUOUS THROUGHOUT THE ENTIRE LENGTH OF THE CIRCUIT.
- ALL CIRCUITS SHALL HAVE AN INDEPENDENT NEUTRAL CONDUCTOR. NO EDISON STYLE SHARED NEUTRAL CONDUCTORS ARE ALLOWED.
- ALL CONDUITS SHALL CONTAIN A GROUND CONDUCTOR SIZED PER NEC.
- ALL POWER AND LIGHTING CONDUCTORS SHALL BE ROUTED IN 3/4" CONDUIT MINIMUM. NO MC TYPE CABLE IS ALLOWED WITH THE EXCEPTION OF CEILING WHIPS 6' OR LESS.
- ROUTE ALL CONDUIT HOME RUNS TO PANELS OVERHEAD AND ABOVE ACCESSIBLE CEILING WHERE AVAILABLE.
- ALL ELECTRICAL EQUIPMENT, RACEWAY, FIXTURE AND DEVICE SUPPORTS SHALL BE CAPABLE OF SUSTAINING NOT LESS THAN FOUR (4) TIMES THE ULTIMATE WEIGHT OF THE OBJECT OR OBJECTS. FASTEN SUPPORTS TO THE BUILDING STRUCTURE. CONDUIT IS NOT PERMITTED TO BE SUPPORTED FROM THE CEILING FIXTURE WIRES.
- ALL EQUIPMENT, SWITCHING DEVICES AND PANELS SHALL BE MOUNTED SO AS TO BE ACCESSIBLE AND SHALL BE MOUNTED PLUMB AND SQUARE WITH WALLS.
- DEVICES AND RACEWAYS PENETRATING FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH FIRE RESISTIVE MATERIAL, COMPATIBLE WITH CONSTRUCTION PENETRATED, TO MAINTAIN RATING OF THE WALL. SEALANT SYSTEM SHALL BE A U.L. APPROVED SYSTEM AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- MAKE ALL CONNECTIONS TO EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
- ALL CONDUCTORS IN ELECTRICAL PANELS, CABINETS AND EQUIPMENT SHALL BE NEATLY TRAINED AND LACED.
- EQUIPMENT REMOVED AND RELOCATED SHALL HAVE ALL CONDUCTORS AND CONDUITS LABELED IN A LOGICAL FASHION. CONTRACTOR SHALL COORDINATE WITH LABELING SCHEME FOR RECONNECTION OF EQUIPMENT.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL LOADS ON EXISTING CIRCUIT(S) AND PANELBOARDS PRIOR TO MAKING ANY MODIFICATION TO ENSURE ADEQUATE CAPACITY FOR NEW DEVICES AND LIGHT FIXTURES. FURNISH AND INSTALL CIRCUIT BREAKERS OF THE SAME TYPE AND RATING IN CONFORMANCE AS NEEDED.
- FOR CIRCUITS THAT ARE MADE SPARE, THE CIRCUIT BREAKER SHALL REMAIN IN PLACE. THE CIRCUIT CONDUCTORS SHALL BE DISCONNECTED FROM THE CIRCUIT BREAKER AND REMOVED FROM THE RACEWAY. THE CIRCUIT BREAKER SHALL BE MARKED SPARE.
- CLEARLY LABEL ALL ACCESSIBLE CONDUIT STUBS WITH SYSTEM NAME AND LOCATION (ROOM NUMBER) WHERE THE OTHER END OF THE CONDUIT TERMINATES. USE INDELEIBLE INK. THE LABELS SHALL BE LOCATED ON THE CONDUIT IN A POSITION THAT CAN BE EASILY READ BY THE OWNER IN THE FUTURE.
- ALL JUNCTION BOX COVERS WITH POWER WIRING SHALL HAVE THE PANEL AND CIRCUIT LABELED ON THE OUTSIDE SURFACE. ALL LABELS FOR EXPOSED JUNCTION BOXES IN "FINISHED AREAS" SHALL BE LABELED UTILIZING SELF ADHESIVE LABELS PRODUCED BY A MECHANICAL LABELING MACHINE. LABELS FOR JUNCTION BOX COVERS IN CONCEALED LOCATIONS SHALL CONSIST OF THE INFORMATION BEING NEATLY HANDWRITTEN ON THE OUTSIDE SURFACE OF THE COVER WITH A PERMANENT STYLE MARKER. JUNCTION BOX COVERS FOR EMERGENCY SYSTEMS SHALL BE PAINTED RED AND LABELED "E" FOR EMERGENCY.
- THE CONTRACTOR SHALL PROVIDE UPDATED CIRCUIT PANEL DIRECTORIES FOR ALL PANELS THAT CONTAIN CIRCUITS IMPACTED BY THIS PROJECT. NEW DIRECTORIES SHALL BE TYPED, AND OLD DIRECTORIES SHALL BE RETAINED BEHIND THE NEW.
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE GENERAL CONTRACTOR FOR APPROVAL BY ARCHITECT AND ENGINEER PRIOR TO ORDERING EQUIPMENT. SUBMITTALS SHALL CONSIST OF CATALOG CUT DESIGNATING PART NUMBERS TO BE SUPPLIED FOR EACH TYPE OF THE FOLLOWING: ELECTRICAL GEAR, LIGHT FIXTURES, BALLASTS, LAMPS, DEVICES AND COVERPLATES.



DRAWING INDEX:

E00	COVER SHEET & ELECTRICAL SPECIFICATIONS
E01	ENERGY COMPLIANCE FORMS
E11	GROUND LEVEL LIGHTING PLAN
E12	SECOND LEVEL LIGHTING PLAN
E13	THIRD LEVEL LIGHTING PLAN
E14	FOURTH LEVEL LIGHTING PLAN
E15	FIFTH LEVEL LIGHTING PLAN



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CSHQA
848 W. MAIN STREET

AGENCY SET

PROJECT	18210.000	DATE	02/01/2019
DRAWN	JCG	CHECKED	JLB

REVISED

SHEET TITLE

COVER SHEET & ELECTRICAL SPECIFICATIONS

SHEET

E00

ORIGINAL SHEET SIZE 30" x 42"

COMcheck Software Version 4.0.2.9
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: 9TH & MAIN PARKING GARAGE
 Project Type: Alteration
 Construction Site: 848 W. Main Street, Boise, ID 83702
 Owner/Agent: Capital City Development Corp, 121 N. 9th St, Suite 503, Boise, ID 83702
 Designer/Contractor: CSHOA, 200 Broad St, Boise, ID 83702

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Ground Level (Parking Garage/Garage Area)	18750	0.19	3562
2-2nd Floor (Parking Garage/Garage Area)	30308	0.19	5759
3-3rd Floor (Parking Garage/Garage Area)	30308	0.19	5759
4-4th Floor (Parking Garage/Garage Area)	30308	0.19	5759
Total Allowed Watts =			21088

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Ground Level (Parking Garage/Garage Area 18750 sq.ft.)				
LED 1: S1: LED CANOPY LIGHT, 4000K, 6000LM, LED Other Fixture Unit 60W	1	42	80	3360
LED 6: WFL: LED wall pack; LED Other Fixture Unit 50W	1	4	41	164
LED 1 copy 1: EXISTING: LED CANOPY LIGHT, 4000K, 6000LM, LED Other Fixture Unit 60W	1	8	80	640
2nd Floor (Parking Garage/Garage Area 30308 sq.ft.)				
LED 1 copy 1: S1: LED CANOPY LIGHT, 4000K, 6000LM, LED Other Fixture Unit 60W	1	33	80	2640
LED 1 copy 2: EXISTING: LED CANOPY LIGHT, 4000K, 6000LM, LED Other Fixture Unit 60W	1	2	80	160
3rd Floor (Parking Garage/Garage Area 30308 sq.ft.)				
LED 1 copy 2: S1: LED CANOPY LIGHT, 4000K, 6000LM, LED Other Fixture Unit 60W	1	36	80	2880
4th Floor (Parking Garage/Garage Area 30308 sq.ft.)				
LED 1 copy 2: S1: LED CANOPY LIGHT, 4000K, 6000LM, LED Other Fixture Unit 60W	1	36	80	2880
Total Proposed Watts =			12724	

Interior Lighting PASSES
Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.0.2.9 and to comply with the mandatory requirements listed in the Inspection Checklist.

Project Title: 9TH & MAIN PARKING GARAGE Report date: 02/01/19
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 EG comcheck.cck Page 1 of 6

John C. Gragg - Sr. Electrical Designer Signature: *John C. Gragg* Date: 02/01/2019

Project Title: 9TH & MAIN PARKING GARAGE Report date: 02/01/19
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 EG comcheck.cck Page 2 of 6

COMcheck Software Version 4.0.2.9
Inspection Checklist

Energy Code: 2015 IECC
 Requirements: 100.0% were addressed directly in the COMcheck software
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (F164)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E01, COMCHECK FORMS, E11 FIXTURE SCHEDULE

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: 9TH & MAIN PARKING GARAGE Report date: 02/01/19
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 EG comcheck.cck Page 3 of 6

Section # & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15]	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Lighting that is related to means of egress in stairways, ramps, corridors, or emergency routes. Location on plans/spec: N/A
C405.2.1 [EL18]	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.2 [EL23]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A - SPACES WHERE AN AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY OF SECURITY
C405.2.2 [EL22]	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.3 [EL16]	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - LIGHTING IS OUTSIDE OF DAYLIGHT ZONE. LIGHTING IS LESS THAN 150W PER ZONE
C405.2.3 [EL20]	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - SEE ABOVE
C405.2.3 [EL21]	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - SEE ABOVE. NO SKYLIGHTS
C405.2.4 [EL4]	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: N/A
C405.2.4 [EL8]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: N/A
C405.3 [EL6]	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: existing exit lighting to remain

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: 9TH & MAIN PARKING GARAGE Report date: 02/01/19
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 EG comcheck.cck Page 4 of 6

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.2 [F17]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 [F18]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the interior Lighting fixture schedule for values.
C408.2.5 [F16]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 [F13]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: 9TH & MAIN PARKING GARAGE Report date: 02/01/19
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 EG comcheck.cck Page 5 of 6

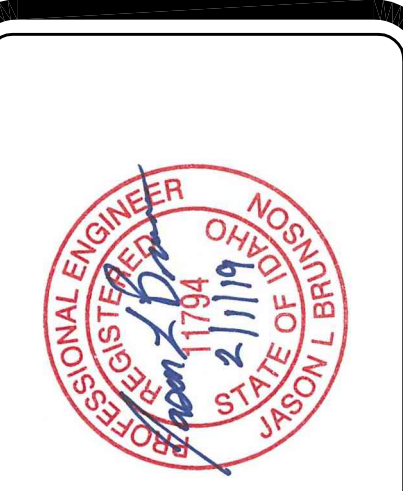
Project Title: 9TH & MAIN PARKING GARAGE Report date: 02/01/19
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 EG comcheck.cck Page 6 of 6

NOTE TO AGENCY

- THIS PROJECT IS INDICATING MULTIPLE PRE-APPROVED FIXTURES TO PROVIDE THE ELECTRICAL CONTRACTOR WITH ALTERNATE OPTIONS IN ORDER TO PROVIDE THE BEST PRICING TO THE CLIENT.
- THE 2015 IECC COMCHECK FORMS HAVE BEEN FILLED OUT WITH THE HIGHEST WATTAGES OF EACH FIXTURE TYPE AS NOTED IN THE WATTAGE COLUMN OF THE FIXTURE PLAN.
- COMCHECK TOTALS REPRESENT "WORST CASE" AND ACTUAL INSTALLATION MAY BE BETTER THAN INDICATED ON PLANS.
- EXTERIOR LIGHTING IS SHOWN FOR REFERENCE ONLY AND IS NOT INCLUDED IN ENERGY COMPLIANCE CALCULATIONS.

SHEET NOTES:

- ELECTRICAL CONTRACTOR SHALL PROVIDE O&M INSTRUCTIONS FOR SYSTEMS AND EQUIPMENT TO THE BUILDING OWNER OR DESIGNATED REPRESENTATIVE PER 2015 IECC SECTION C303.3 AND C408.2.5.2
- LIGHTING SYSTEMS SHALL BE TESTED TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND OPERATION.
- CONSTRUCTION DOCUMENTS SHALL BE PROVIDED TO THE BUILDING OWNER OR DESIGNATED REPRESENTATIVE WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.



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AGENCY SET

PROJECT: 18210.000 DATE: 02/01/2019
 DRAWN: JCG CHECKED: JLB

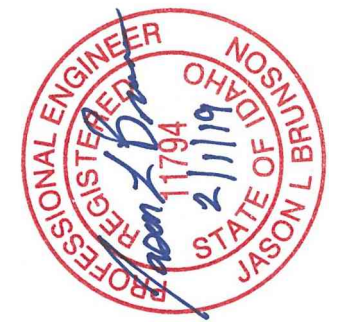
REVISIONS

SHEET TITLE

ENERGY COMPLIANCE FORMS

SHEET

E01
 ORIGINAL SHEET SIZE 30" x 42"



STAMP

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**9TH AND MAIN PARKING GARAGE
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AGENCY SET

PROJECT	18210.000	DATE	02/01/2019
DRAWN	JCG	CHECKED	JLB

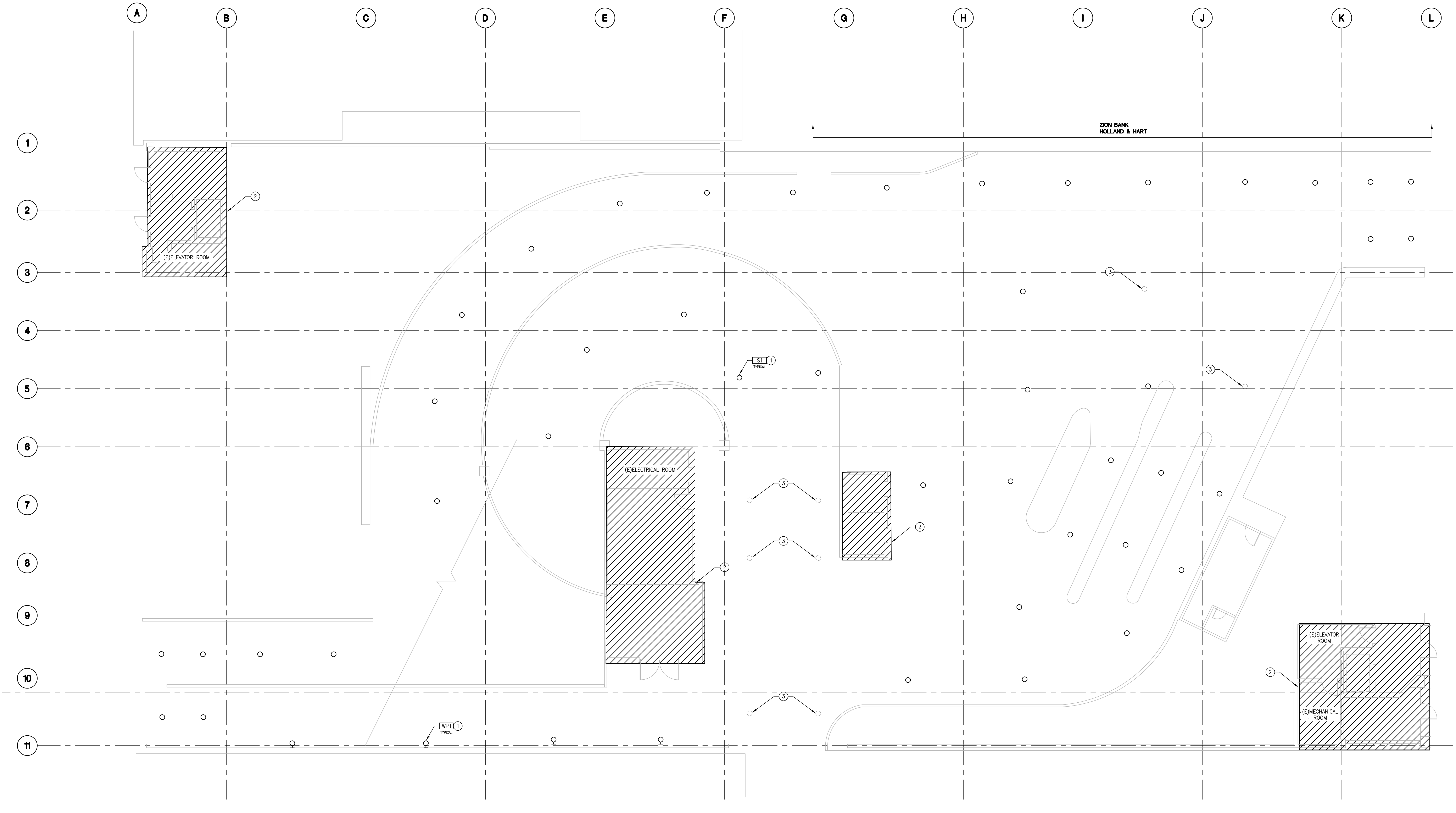
REVISED

SHEET TITLE

GROUND LEVEL

E11

ORIGINAL SHEET SIZE
 30" x 42"

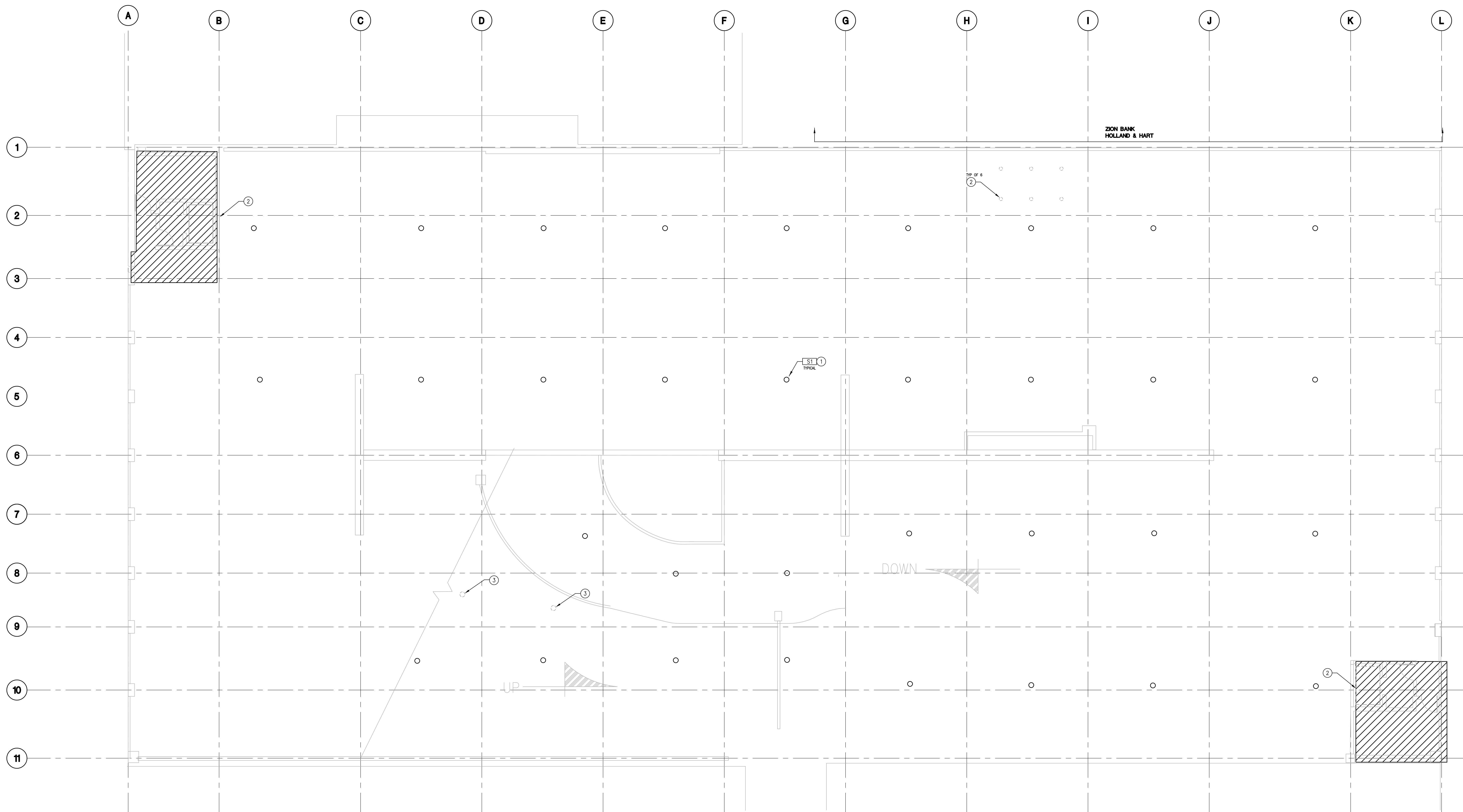


1 GROUND LEVEL
 SCALE 1/8" = 1'-0"

LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	LAMP		WATTS*	VOLT	MOUNTING	ACCEPTABLE MANUFACTURERS
		TYPE	NO.				
S1	SURFACE/CANOPY GARAGE LIGHT 6000LM MIN, 5000 KELVIN	LED	1	80W	277	SURFACE	ECO LIGHTING SOLUTIONS FT-CL-80M-U-80-240-XXX XXX=MOUNTING AS REQUIRED (80W) MCCRAW-EDISON TT-C3-LED-E1-WQ-XXX-B2-CG XXX=MOUNTING AS REQ. (45W) LITHONIA CNY LED-P2-50K-MVOLT-DOB (52W) OR PRE-APPROVED EQUAL
WP1	WALL PACK AREA FIXTURE 3500LM MIN, 5000 KELVIN	LED	1	41W	277	WALL	ECO LIGHTING SOLUTIONS (SHANGHAI YUANMING LIGHTING TECHNOLOGY) YML 1WP32M (40W) MCCRAW-EDISON GWC-AF-01-LED-E1-T3-BZ (34W) LITHONIA KAXW LED-P1-50K-R3-MVOLT-DOBXD (29W) OR PRE-APPROVED EQUAL

NOTES: 1. CONTRACTOR TO VERIFY VOLTAGE AND MOUNTING REQUIREMENTS PRIOR TO ORDERING FIXTURES. 2. PROVIDE LAMPS FOR ALL FIXTURES. 3. PROVIDE FIXTURES WITH ALL NECESSARY MOUNTING HARDWARE. 4. PRE-APPROVED EQUAL(S) MUST BE ON ONE OF IDAHO POWER'S APPROVED LIGHTING LIST AND IS SUBJECT TO OWNER'S FINAL APPROVAL.
 APPROVED LISTS:
www.designlights.org/search/
www.energystar.gov/productfinder/product/certified-light-fixtures/
 * WATTAGE LISTED REPRESENTS HIGHEST WATTAGE SHOWN FOR APPROVED FIXTURES LISTED UNDER MANUFACTURERS SECTION

# SHEET NOTES:	GENERAL NOTES:
1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS. 2. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED. 3. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING LED FIXTURES. ALL CURRENTLY EXISTING LED FIXTURES ARE TO REMAIN.	A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED. B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING. C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL. D. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK. E. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES. F. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



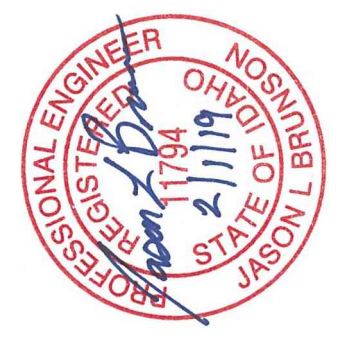
1 SECOND LEVEL LIGHTING PLAN
SCALE 1/8" = 1'-0"

SHEET NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
2. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.
3. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING LED FIXTURES. ALL CURRENTLY EXISTING LED FIXTURES ARE TO REMAIN.

GENERAL NOTES:

- A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED.
- B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING.
- C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL.
- D. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK.
- E. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES.
- F. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



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AGENCY SET

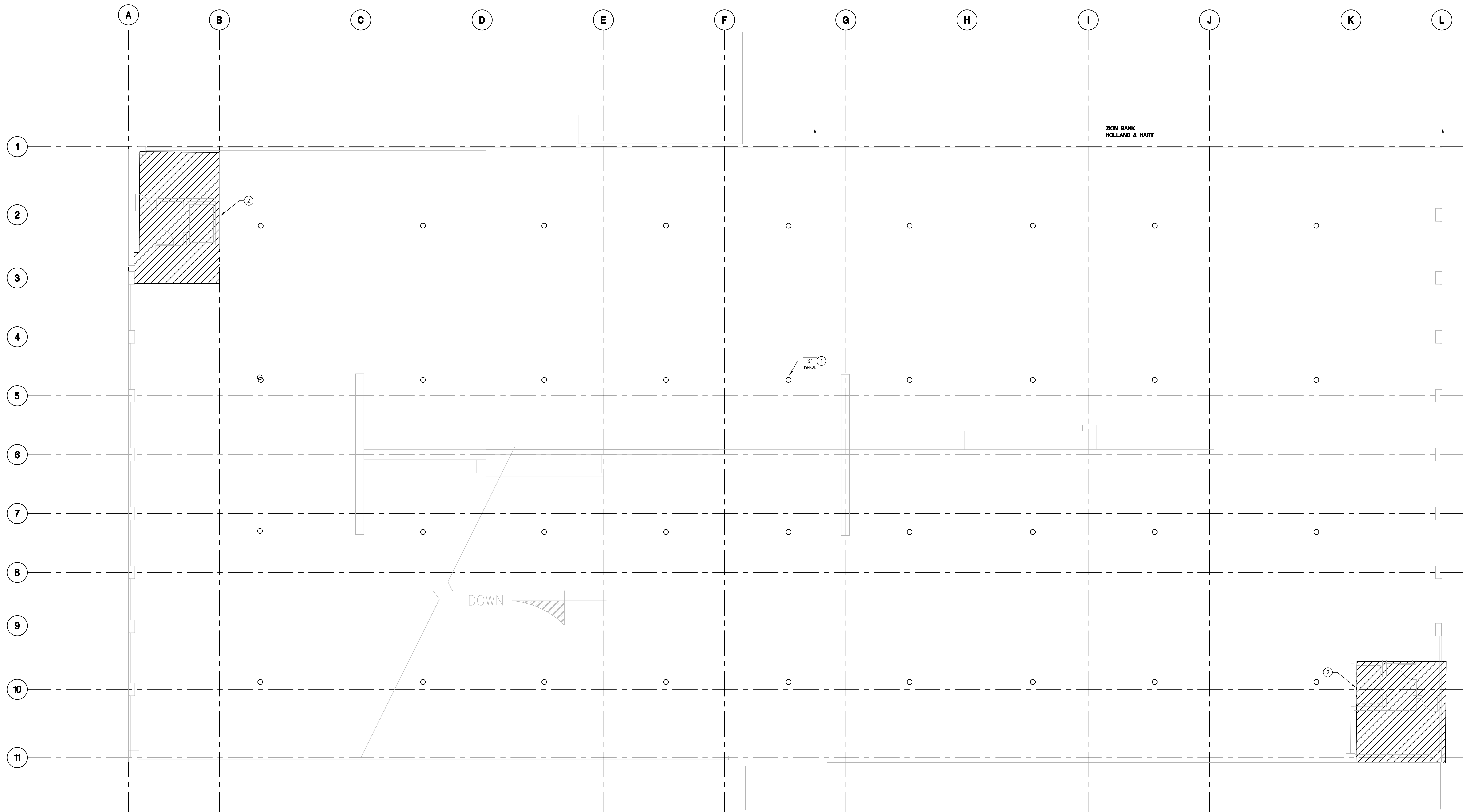
PROJECT 18210.000	DATE 02/01/2019
DRAWN JCC	CHECKED JLB

REVISED

SHEET TITLE
SECOND LEVEL LIGHTING PLAN

SHEET
E12

ORIGINAL SHEET SIZE
30" x 42"



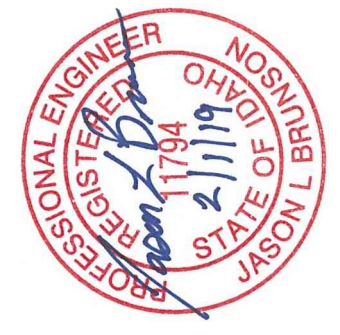
1 THIRD LEVEL LIGHTING PLAN
SCALE 1/8" = 1'-0"

SHEET NOTES:

- DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
- EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.

GENERAL NOTES:

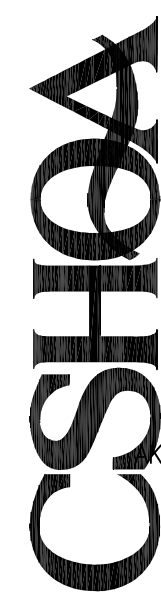
- EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REVISED UNLESS IT IS FOUND TO BE DAMAGED.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING.
- VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL.
- COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES.
- NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



STAMP

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO
PHONE: 208-343-4635 FAX: 208-343-1888

9TH AND MAIN PARKING GARAGE
848 W. MAIN STREET
BOISE, IDAHO



AGENCY SET

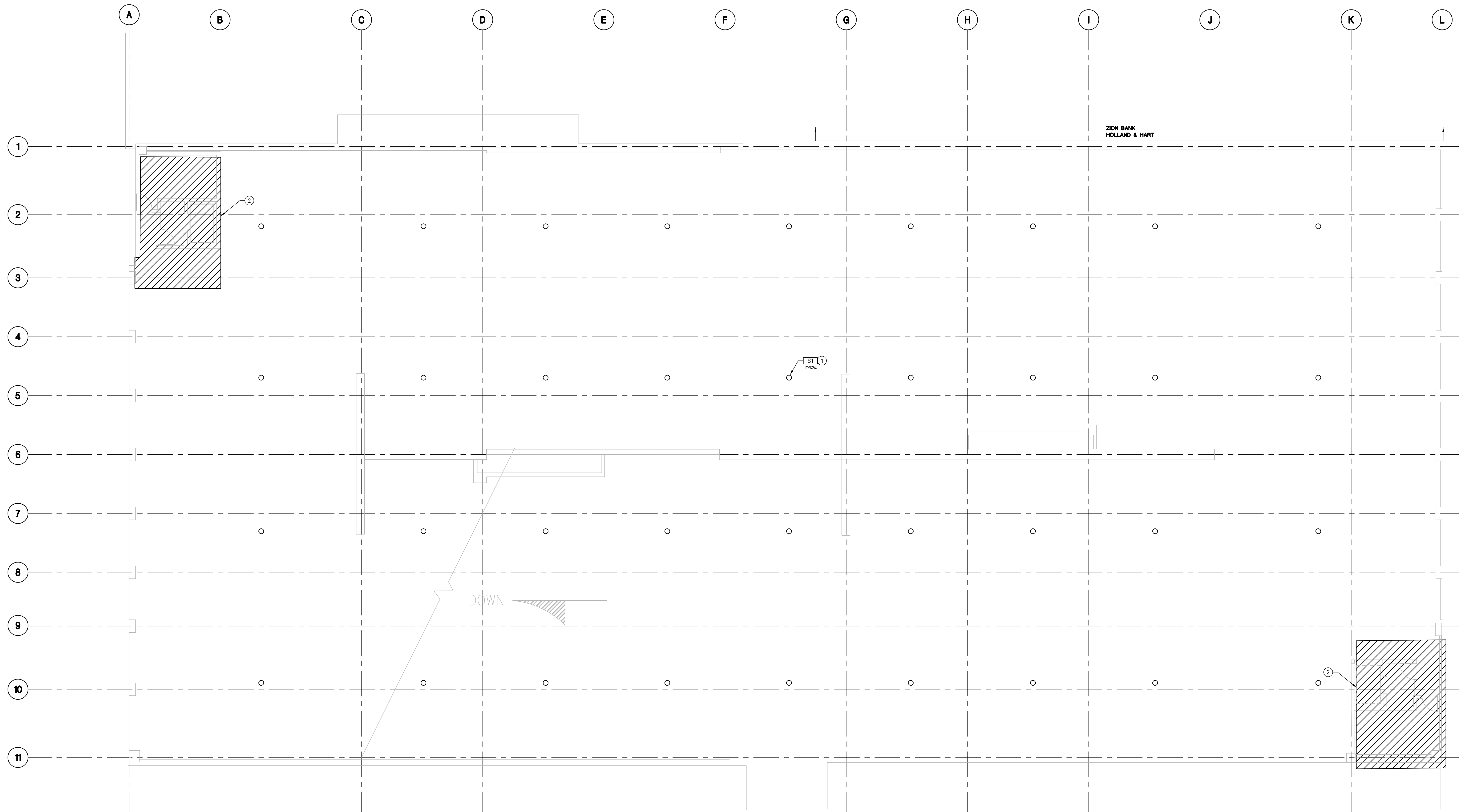
PROJECT 18210.000	DATE 02/01/2019
DRAWN JCC	CHECKED JLB

REVISED

SHEET TITLE
THIRD LEVEL LIGHTING PLAN

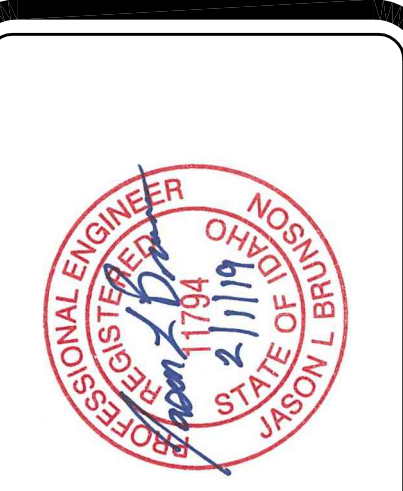
SHEET
E13

ORIGINAL SHEET SIZE
30" x 42"



1 FORTH LEVEL LIGHTING PLAN
SCALE 1/8" = 1'-0"

# SHEET NOTES:	GENERAL NOTES:
<p>1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.</p> <p>2. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.</p>	<p>A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED.</p> <p>B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING.</p> <p>C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL.</p> <p>D. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK.</p> <p>E. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES.</p> <p>F. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.</p>



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www.cshoa.com

CSHOA
CONSTRUCTION SERVICES HOLDING ASSOCIATES, INC.
A DIVISION OF CH2M HILL

AGENCY SET

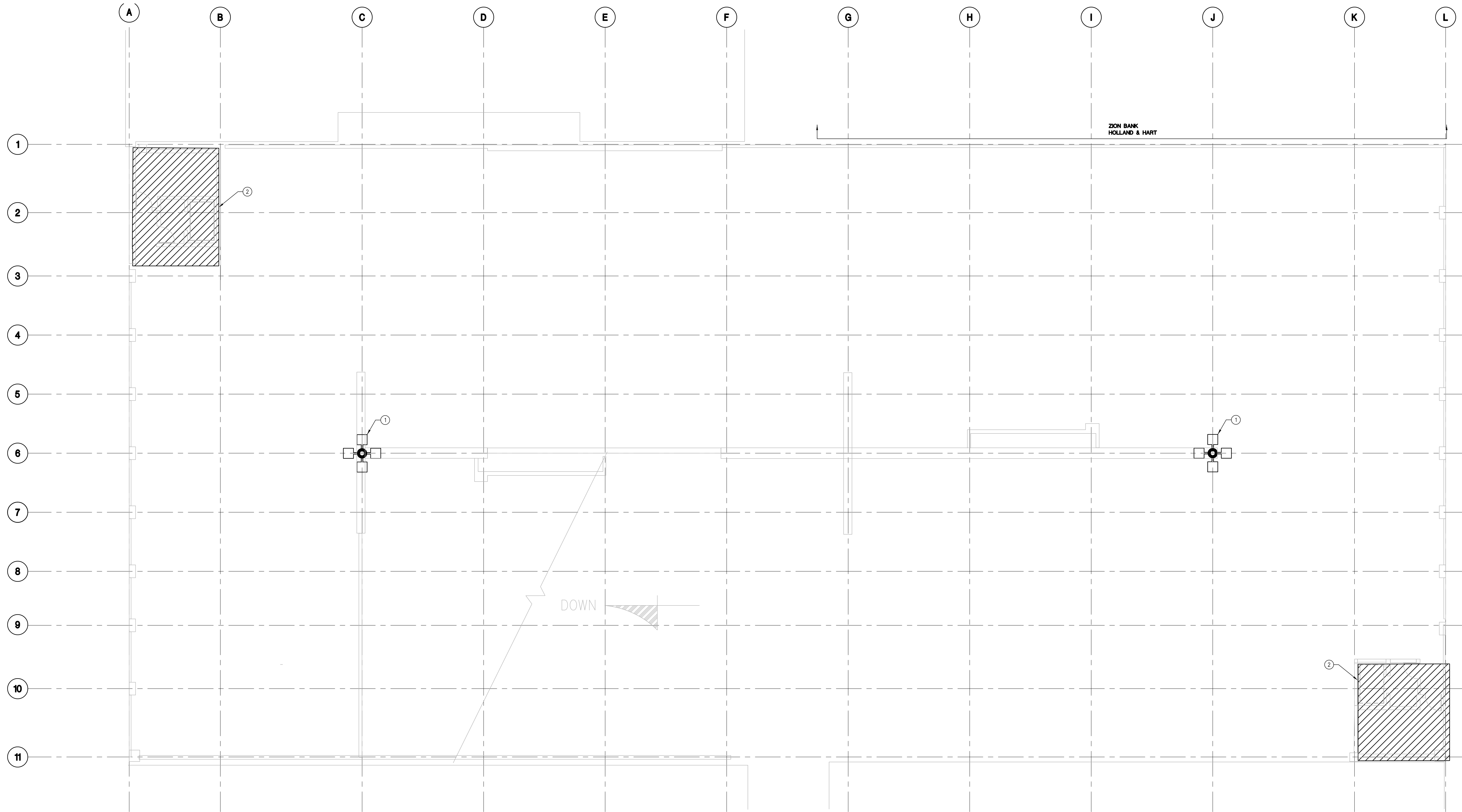
PROJECT	DATE
18210.000	02/01/2019
DRAWN	CHECKED
JCC	JLB

REVISIONS

SHEET TITLE
FOURTH LEVEL LIGHTING PLAN

SHEET
E14

ORIGINAL SHEET SIZE
30" x 42"



1 FIFTH LEVEL LIGHTING PLAN
 SCALE 1/8" = 1'-0"
 FOR REFERENCE ONLY. NO WORK REQUIRED.

SHEET NOTES:

1. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.

GENERAL NOTES:

- A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED.
- B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING.
- C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL.
- D. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK.
- E. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES.
- F. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



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9TH AND MAIN PARKING GARAGE
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AGENCY SET

PROJECT	DATE
18210.000	02/01/2019
DRAWN	CHECKED
JCC	JLB

REVISED

SHEET TITLE

FIFTH LEVEL LIGHTING PLAN

SHEET

E15
 ORIGINAL SHEET SIZE 30" x 42"

COMcheck Software Version 4.0.2.9
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: Capitol and Main
 Project Type: Alteration

Construction Site: 770 W. Main Street, Boise, ID 83702
 Owner/Agent: Capitol City Development Corp, 121 N. 9th St, Suite 501, Boise, ID 83702
 Designer/Contractor: CSHQA, 200 Broad St, Boise, ID 83702

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Ground Level (Parking Garage/Garage Area)	19750	0.19	3752
2-2nd Floor (Parking Garage/Garage Area)	30308	0.19	5759
3-3rd Floor (Parking Garage/Garage Area)	30308	0.19	5759
4-4th Floor (Parking Garage/Garage Area)	30308	0.19	5759
5-5th floor (Parking Garage/Garage Area)	30308	0.19	5759
Total Allowed Watts = 26787			

A Fixture ID / Description / Lamp / Wattage Per Lamp / Ballast	B Lamps / Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Ground Level (Parking Garage/Garage Area 19750 sq ft.)				
LED 1: S1: LED CANOPY, 4000K, 6000LM, LED Other Fixture Unit 60W	1	38	80	3040
LED 7: copy 2: EXISTING: LED CANOPY LIGHT: LED Other Fixture Unit 80W	1	16	80	1280
2nd Floor (Parking Garage/Garage Area 30308 sq ft.)				
LED 1: copy 1: S1: LED CANOPY, 4000K, 6000LM, LED Other Fixture Unit 60W	1	20	80	1600
LED 7: copy 3: EXISTING: LED CANOPY LIGHT: LED Other Fixture Unit 80W	1	16	80	1280
LED 8: copy 3: EXISTING: LED WALL SCONCE: LED Other Fixture Unit 40W	1	4	40	160
3rd Floor (Parking Garage/Garage Area 30308 sq ft.)				
LED 1: copy 2: S1: LED CANOPY, 4000K, 6000LM, LED Other Fixture Unit 60W	1	19	80	1520
LED 7: copy 2: EXISTING: LED CANOPY LIGHT: LED Other Fixture Unit 80W	1	12	80	960
LED 8: copy 2: EXISTING: LED WALL SCONCE: LED Other Fixture Unit 40W	1	4	40	160
4th Floor (Parking Garage/Garage Area 30308 sq ft.)				
LED 1: copy 3: S1: LED CANOPY, 4000K, 6000LM, LED Other Fixture Unit 60W	1	21	80	1680
LED 7: copy 1: EXISTING: LED CANOPY LIGHT: LED Other Fixture Unit 80W	1	15	80	1200
LED 8: copy 1: EXISTING: LED WALL SCONCE: LED Other Fixture Unit 40W	1	4	40	160
5th floor (Parking Garage/Garage Area 30308 sq ft.)				
LED 1: copy 4: S1: LED CANOPY, 4000K, 6000LM, LED Other Fixture Unit 60W	1	19	80	1520
LED 7: EXISTING: LED CANOPY LIGHT: LED Other Fixture Unit 80W	1	12	80	960
LED 8: copy 2: EXISTING: LED WALL SCONCE: LED Other Fixture Unit 40W	1	4	40	160
Total Proposed Watts = 15680				

Project Title: Capitol and Main
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 CT comcheck.cck
 Report date: 01/31/19
 Page 1 of 6

Interior Lighting PASSES

Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.0.2.9 and to comply with the mandatory requirements listed in the Inspection Checklist.

John C. Gragg - Sr. Electrical Designer
 Name - Title: Signature: Date: 01/31/2019

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (F104)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: N/A

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Capitol and Main
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 CT comcheck.cck
 Report date: 01/31/19
 Page 2 of 6

COMcheck Software Version 4.0.2.9
Inspection Checklist
 Energy Code: 2015 IECC

Requirements: 100.0% were addressed directly in the COMcheck software
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C405.2.1 (EL15)	Lighting controls installed to uniformly reduce the lighting load by at least 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.1 (EL16)	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.1 (EL23)	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A - spaces where an automatic shutoff would endanger occupant safety or security
C405.2.2 (EL22)	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.3 (EL16)	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - lighting is outside of daylight zone. Lighting is less than 250W per zone.
C405.2.3 (EL20)	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - See Above
C405.2.3 (EL16)	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - See Above, No Skylights
C405.2.4 (EL4)	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: N/A
C405.2.4 (EL8)	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: NOT APPLICABLE - PARKING GARAGE
C405.3 (EL6)	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: EXISTING EXIT SIGNS TO REMAIN

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Capitol and Main
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 CT comcheck.cck
 Report date: 01/31/19
 Page 3 of 6

Section # & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 (EL15)	Lighting controls installed to uniformly reduce the lighting load by at least 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.1 (EL16)	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.1 (EL23)	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A - spaces where an automatic shutoff would endanger occupant safety or security
C405.2.2 (EL22)	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting. Location on plans/spec: N/A
C405.2.3 (EL16)	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - lighting is outside of daylight zone. Lighting is less than 250W per zone.
C405.2.3 (EL20)	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - See Above
C405.2.3 (EL16)	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: N/A - See Above, No Skylights
C405.2.4 (EL4)	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: N/A
C405.2.4 (EL8)	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: NOT APPLICABLE - PARKING GARAGE
C405.3 (EL6)	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. Location on plans/spec: EXISTING EXIT SIGNS TO REMAIN

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Capitol and Main
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 CT comcheck.cck
 Report date: 01/31/19
 Page 4 of 6

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C303.3 (F117)	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 (F118)	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting Fixture schedule for values.
C408.2.5 (F116)	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 (F133)	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: PARKING GARAGE IS OPERATED 24HRS, 7DAYS A WEEK

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Capitol and Main
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 CT comcheck.cck
 Report date: 01/31/19
 Page 5 of 6

Project Title: Capitol and Main
 Data filename: Q:\2018\18210.0\Elec\04_Calcs\18210 CT comcheck.cck
 Report date: 01/31/19
 Page 6 of 6

NOTE TO AGENCY	SHEET NOTES:
<ul style="list-style-type: none"> THIS PROJECT IS INDICATING MULTIPLE PRE-APPROVED FIXTURES TO PROVIDE THE ELECTRICAL CONTRACTOR WITH ALTERNATE OPTIONS IN ORDER TO PROVIDE THE BEST PRICING TO THE CLIENT. THE 2015 IECC COMCHECK FORMS HAVE BEEN FILLED OUT WITH THE HIGHEST WATTAGES OF EACH FIXTURE TYPE AS NOTED IN THE WATTAGE COLUMN OF THE FIXTURE PLAN. COMCHECK TOTALS REPRESENT "WORST CASE" AND ACTUAL INSTALLATION MAY BE BETTER THAN INDICATED ON PLANS. EXTERIOR LIGHTING IS SHOWN FOR REFERENCE ONLY AND IS NOT INCLUDED IN ENERGY COMPLIANCE CALCULATIONS. 	<ul style="list-style-type: none"> ELECTRICAL CONTRACTOR SHALL PROVIDE O&M INSTRUCTIONS FOR SYSTEMS AND EQUIPMENT TO THE BUILDING OWNER OR DESIGNATED REPRESENTATIVE PER 2015 IECC SECTION C303.3 AND C408.2.5.2 LIGHTING SYSTEMS SHALL BE TESTED TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND OPERATION. CONSTRUCTION DOCUMENTS SHALL BE PROVIDED TO THE BUILDING OWNER OR DESIGNATED REPRESENTATIVE WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

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CAPITOL AND MAIN PARKING GARAGE
 770 W. MAIN STREET
CSHOA

AGENCY SET

PROJECT 18210.000	DATE 02/01/2019
DRAWN JCC	CHECKED JLB

REVISED

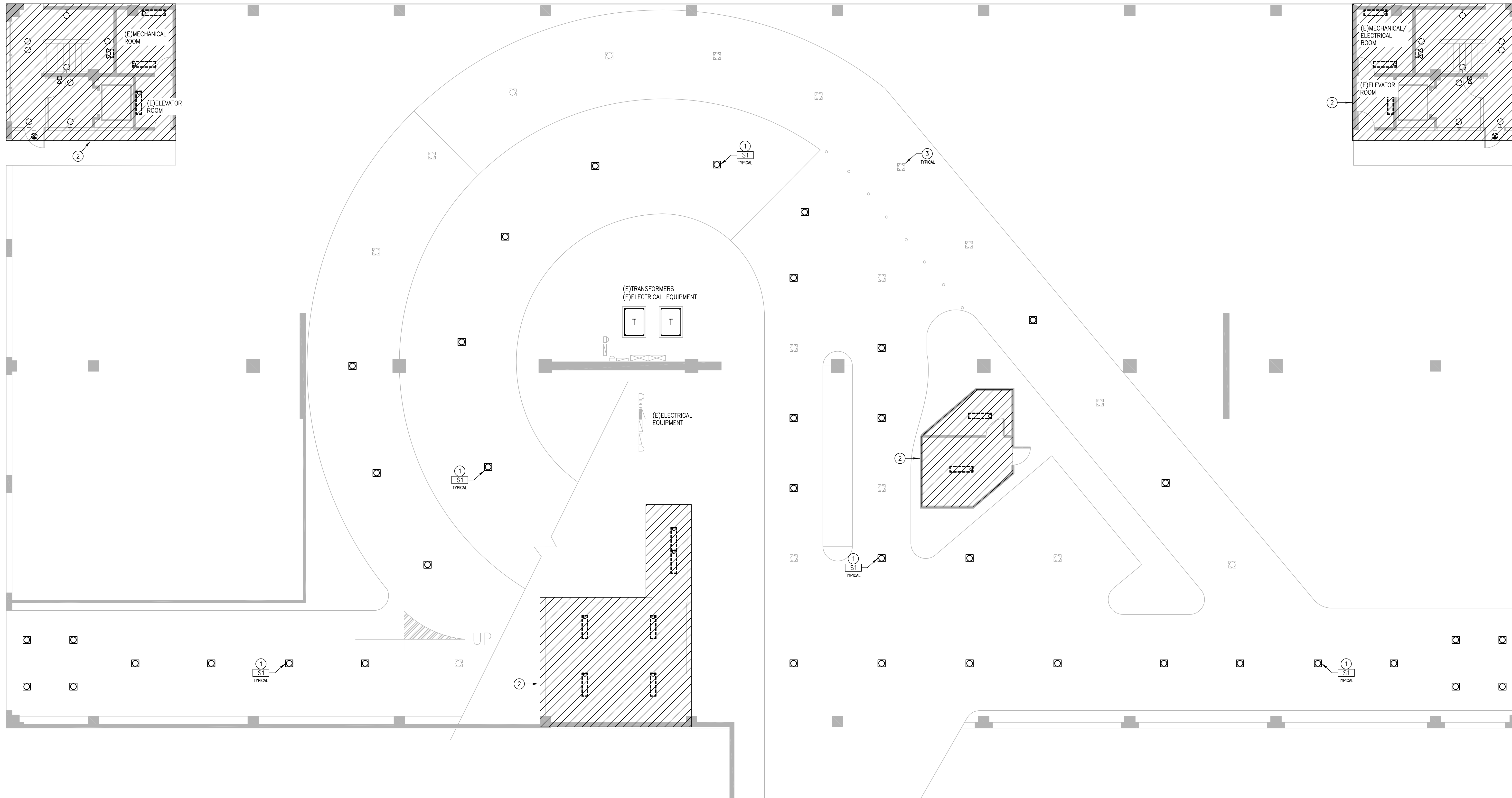
SHEET TITLE

ENERGY COMPLIANCE FORMS

SHEET

E01

ORIGINAL SHEET SIZE
30" x 42"



1 GROUND LEVEL LIGHTING PLAN
SCALE 1/8"=1'-0"

LIGHT FIXTURE SCHEDULE										
TYPE	DESCRIPTION	LAMP		WATTS*	VOLT	MOUNTING	ACCEPTABLE MANUFACTURERS			
		TYPE	NO.				ECO LIGHTING SOLUTIONS FT-CL-80M-U-90-240-XXX XXX=MOUNTING AS REQUIRED (80W)	MCGRAW-EDISON TT-C3-LED-E1-WQ-XXX-B2-CG XXX=MOUNTING AS REQ. (45W)	LITHONIA CNY LED-P2-50K-MVOLT-DOB (52W)	OR PRE-APPROVED EQUAL
S1	SURFACE/CANOPY GARAGE LIGHT 6000LM MIN, 5000 KELVIN	LED	1	80W	277	SURFACE				

NOTES: 1. CONTRACTOR TO VERIFY VOLTAGE AND MOUNTING REQUIREMENTS PRIOR TO ORDERING FIXTURES. 2. PROVIDE LAMPS FOR ALL FIXTURES. 3. PROVIDE FIXTURES WITH ALL NECESSARY MOUNTING HARDWARE. 4. PRE-APPROVED EQUAL(S) MUST BE ON ONE OF IDAHO POWER'S APPROVED LIGHTING LIST AND IS SUBJECT TO OWNER'S FINAL APPROVAL.
APPROVED LISTS:
www.designlights.org/search/
www.energystar.gov/productfinder/product/certified-light-fixtures/
* WATTAGE LISTED REPRESENTS HIGHEST WATTAGE SHOWN FOR APPROVED FIXTURES LISTED UNDER MANUFACTURERS SECTION

# SHEET NOTES:	GENERAL NOTES:
<ol style="list-style-type: none"> DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING LED FIXTURES. ALL CURRENTLY EXISTING LED FIXTURES ARE TO REMAIN. 	<ol style="list-style-type: none"> EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



STAMP

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AGENCY SET

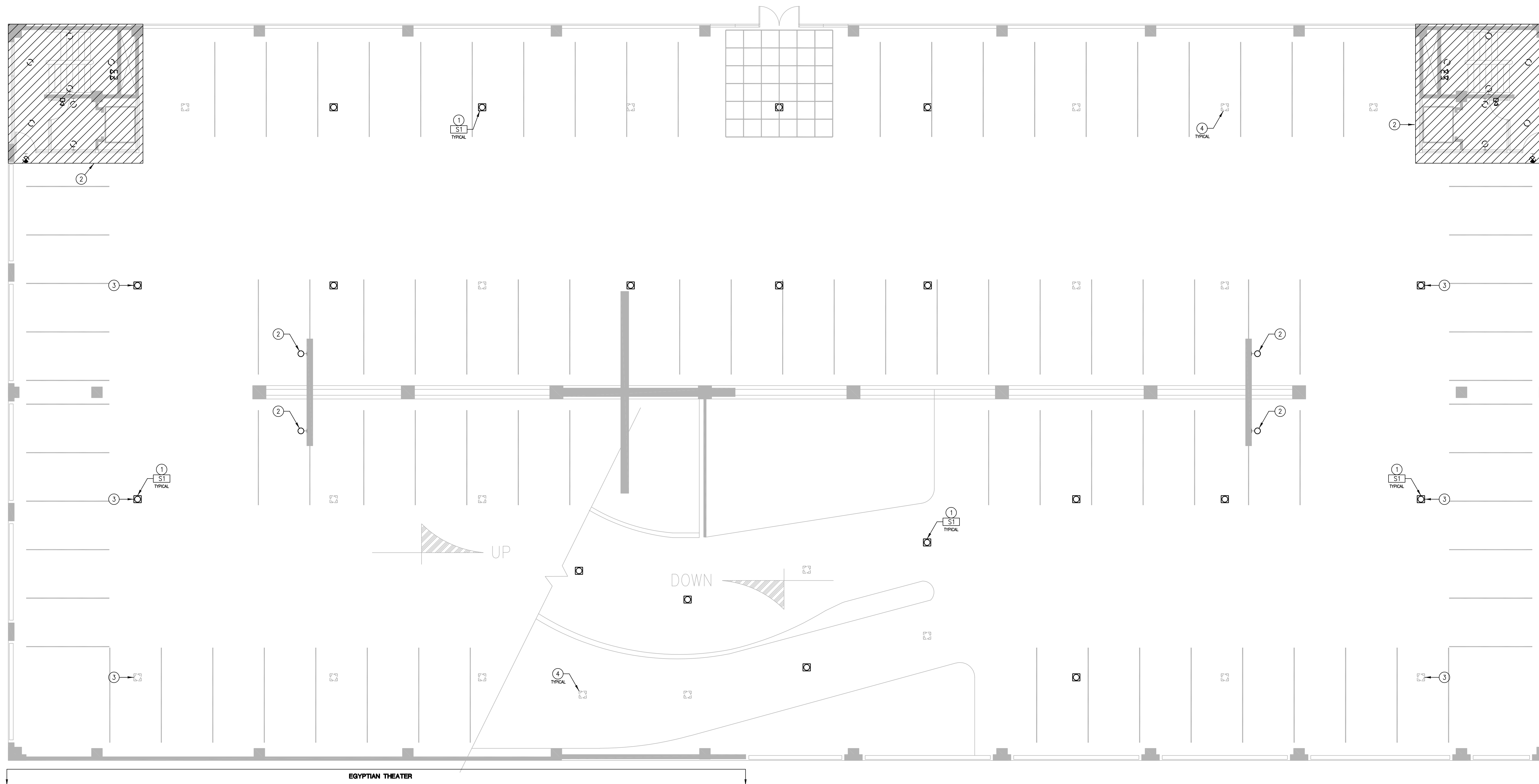
PROJECT 18210.000	DATE 02/01/2019
DRAWN JCC	CHECKED JLB

REVISIONS

SHEET TITLE
GROUND LEVEL LIGHTING PLAN

SHEET
E11

ORIGINAL SHEET SIZE
30" x 42"



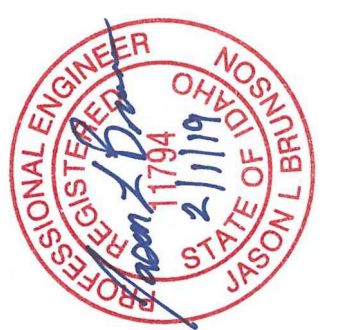
1 SECOND LEVEL LIGHTING PLAN
SCALE 1/8"=1'-0"

SHEET NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
2. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.
3. FIXTURE IS LOCATED IN CLOSE PROXIMITY TO EXISTING PIPE. CONTRACTOR TO PROVIDE ADDITIONAL MATERIALS IF NECESSARY TO MOUNT NEW FIXTURE TO AVOID CONFLICT WITH PIPE.
4. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING LED FIXTURES. ALL CURRENTLY EXISTING LED FIXTURES ARE TO REMAIN.

GENERAL NOTES:

- A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED.
- B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING.
- C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL.
- D. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK.
- E. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES.
- F. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



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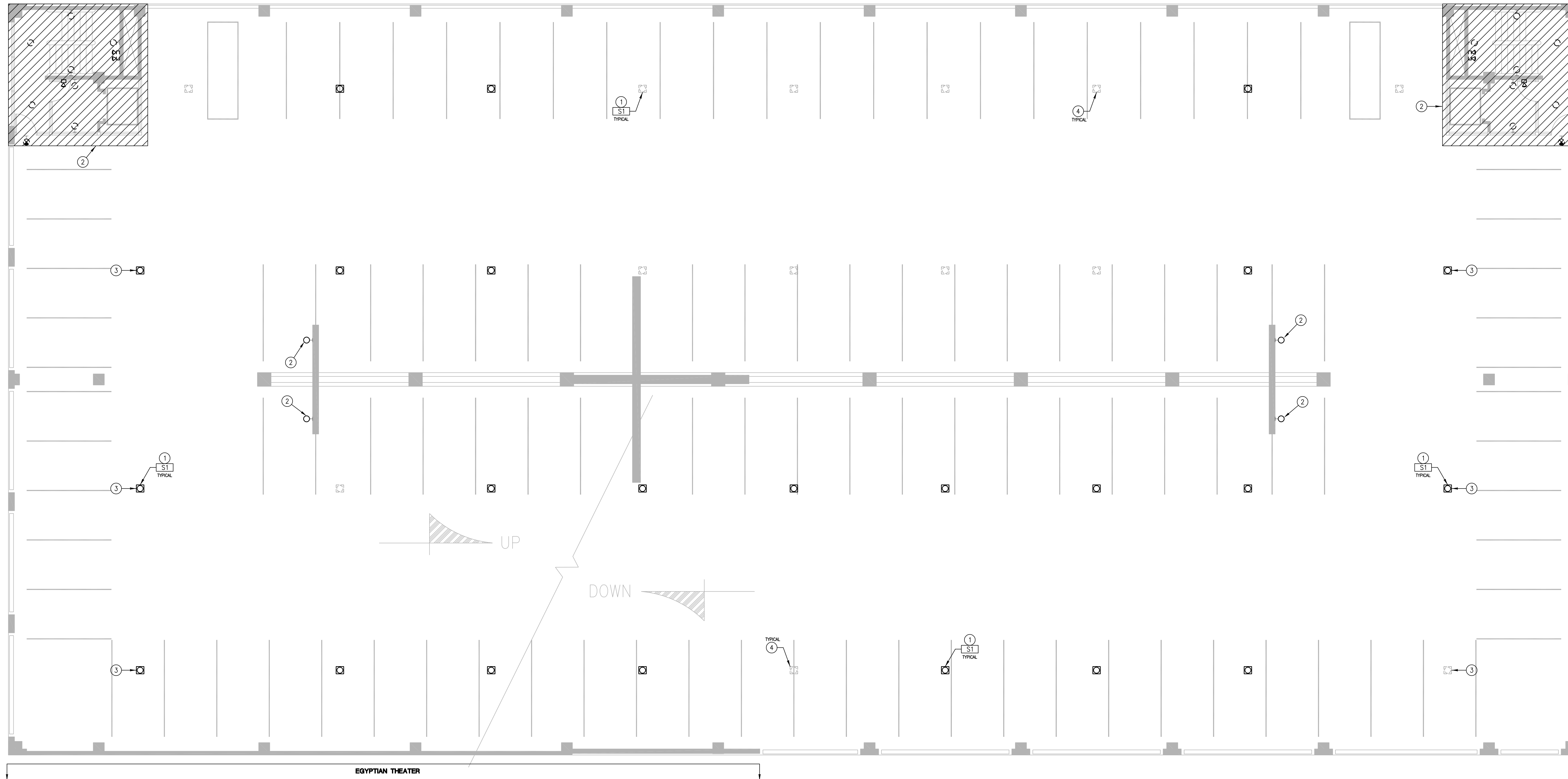
AGENCY SET

PROJECT	DATE
18210.000	02/01/2019
DRAWN	CHECKED
JCC	JLB

REVISED

SHEET TITLE
SECOND LEVEL LIGHTING PLAN

SHEET
E12
ORIGINAL SHEET SIZE
30" x 42"



1 THIRD LEVEL LIGHTING PLAN
SCALE 1/8"=1'-0"

# SHEET NOTES:	GENERAL NOTES:
<ol style="list-style-type: none"> DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED. FIXTURE IS LOCATED IN CLOSE PROXIMITY TO EXISTING PIPE. CONTRACTOR TO PROVIDE ADDITIONAL MATERIALS IF NECESSARY TO MOUNT NEW FIXTURE TO AVOID CONFLICT WITH PIPE. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING LED FIXTURES. ALL CURRENTLY EXISTING LED FIXTURES ARE TO REMAIN. 	<ol style="list-style-type: none"> EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



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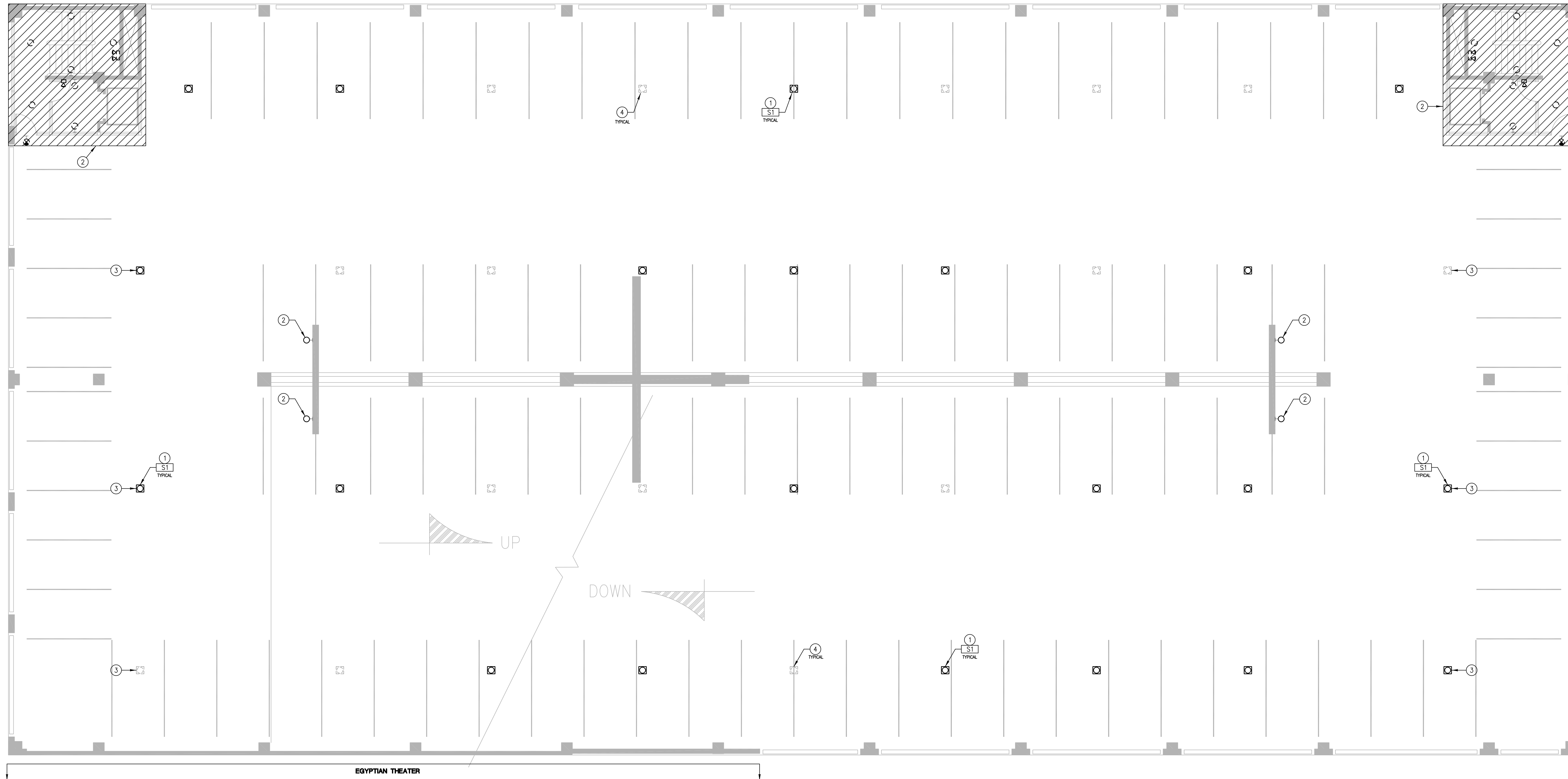
AGENCY SET

PROJECT 18210.000	DATE 02/01/2019
DRAWN JCC	CHECKED JLB

REVISED

SHEET TITLE
THIRD LEVEL LIGHTING PLAN

SHEET
E13
ORIGINAL SHEET SIZE
30" x 42"



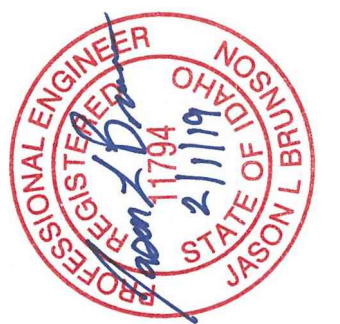
1 FOURTH LEVEL LIGHTING PLAN
SCALE 1/8"=1'-0"

SHEET NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
2. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.
3. FIXTURE IS LOCATED IN CLOSE PROXIMITY TO EXISTING PIPE. CONTRACTOR TO PROVIDE ADDITIONAL MATERIALS IF NECESSARY TO MOUNT NEW FIXTURE TO AVOID CONFLICT WITH PIPE.
4. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING LED FIXTURES. ALL CURRENTLY EXISTING LED FIXTURES ARE TO REMAIN.

GENERAL NOTES:

- A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED.
- B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING.
- C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL.
- D. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK.
- E. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES.
- F. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



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PROJECT 18210.000	DATE 02/01/2019
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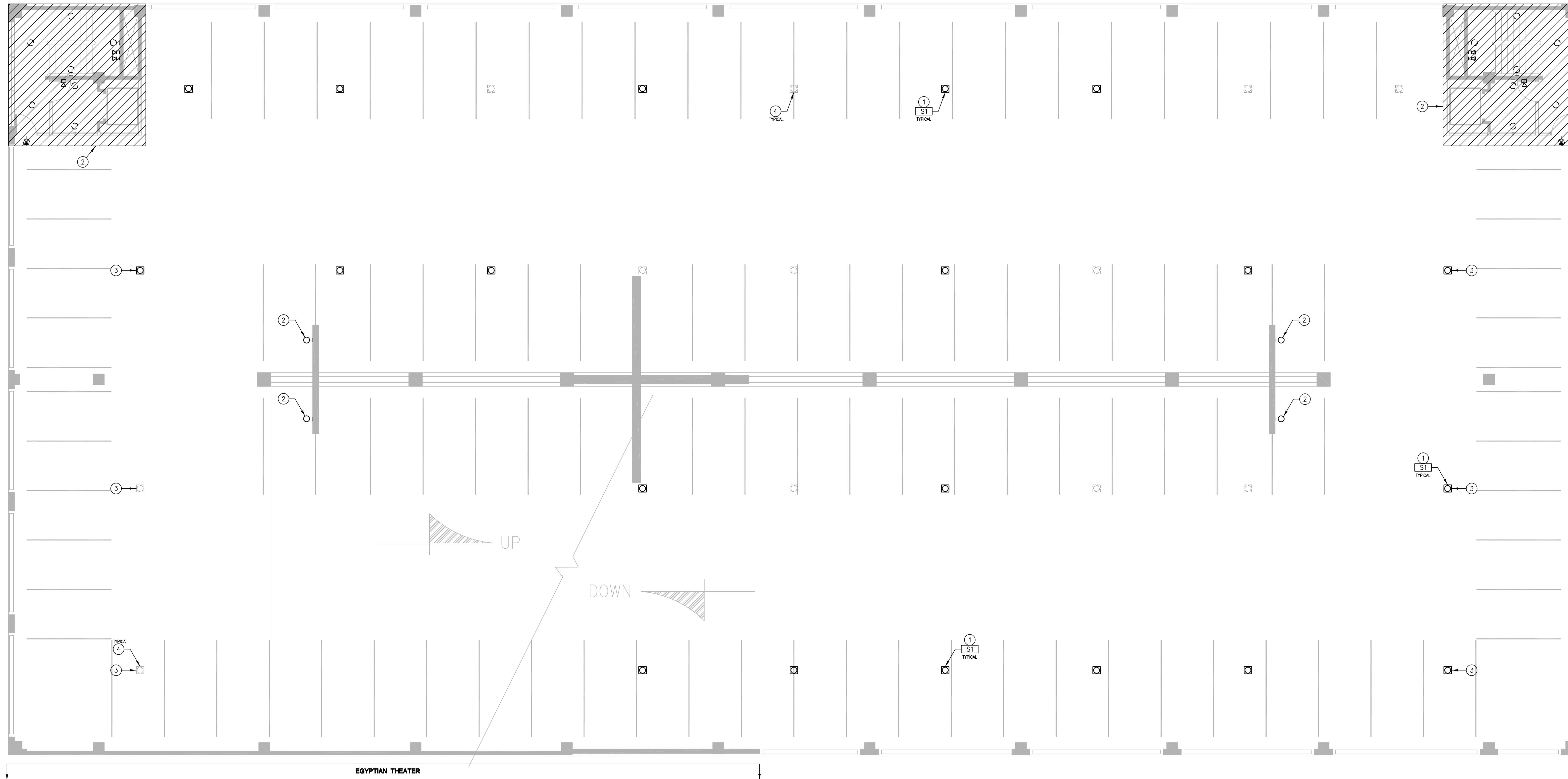
REVISED

SHEET TITLE
FOURTH LEVEL LIGHTING PLAN

SHEET

E14

ORIGINAL SHEET SIZE
30" x 42"



FIFTH LEVEL LIGHTING PLAN
SCALE 1/8"=1'-0"

SHEET NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE(S) AND REPLACE WITH NEW FIXTURE AS INDICATED. REUSE EXISTING CIRCUIT. INSTALL NEW FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
2. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.
3. FIXTURE IS LOCATED IN CLOSE PROXIMITY TO EXISTING PIPE. CONTRACTOR TO PROVIDE ADDITIONAL MATERIALS IF NECESSARY TO MOUNT NEW FIXTURE TO AVOID CONFLICT WITH PIPE.
4. CONTRACTOR TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING LED FIXTURES. ALL CURRENTLY EXISTING LED FIXTURES ARE TO REMAIN.

GENERAL NOTES:

- A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED.
- B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING.
- C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL.
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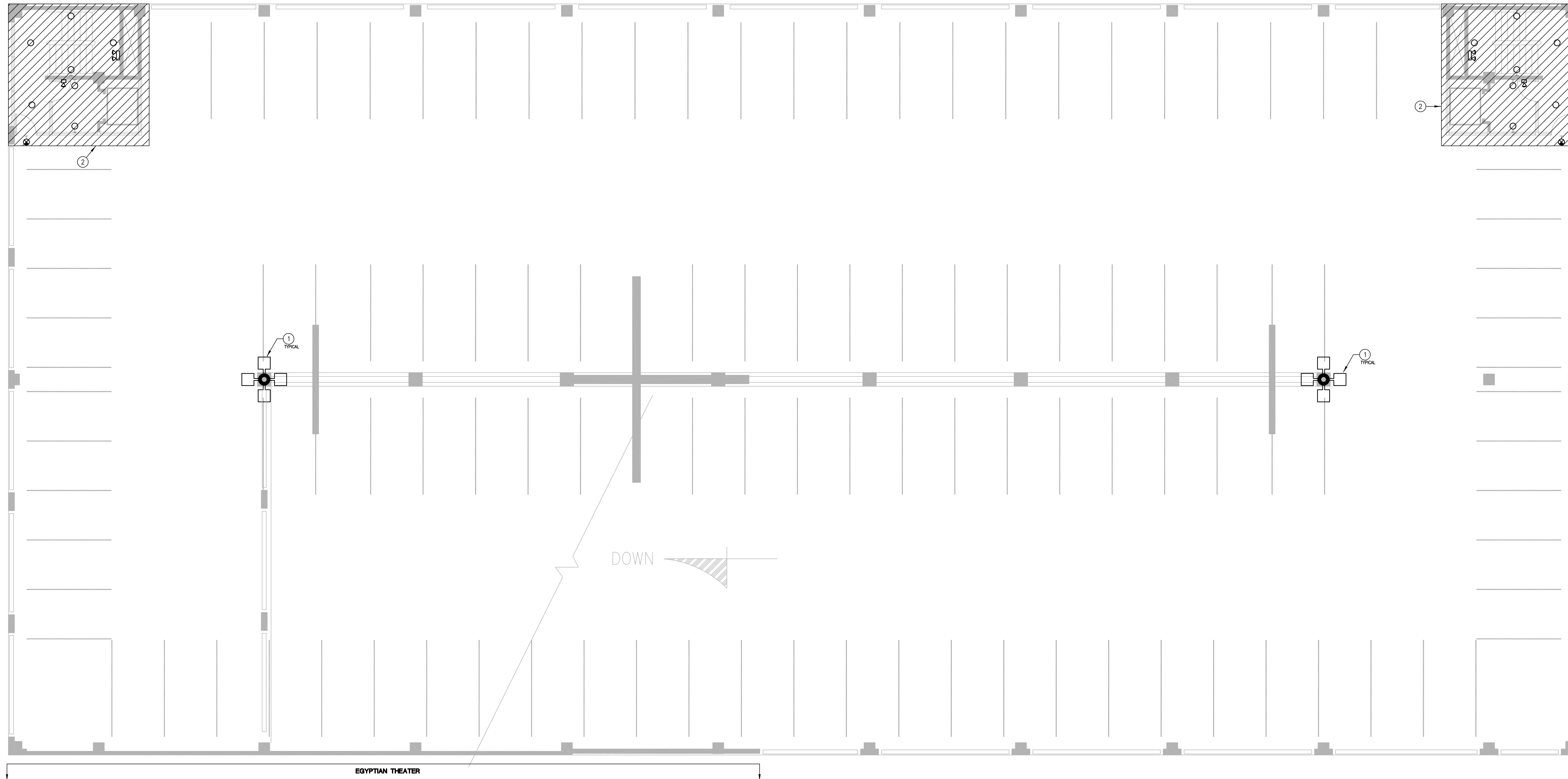
AGENCY SET

PROJECT	DATE
18210.000	02/01/2019
DRAWN	CHECKED
JCC	JLB

REVISED

SHEET TITLE
FIFTH LEVEL LIGHTING PLAN

SHEET
E15
ORIGINAL SHEET SIZE
30" x 42"



1 SIXTH LEVEL LIGHTING PLAN
 SCALE 1/8"=1'-0"
 FOR REFERENCE ONLY. NO WORK REQUIRED.

# SHEET NOTES:	GENERAL NOTES:
1. EXISTING FIXTURE(S) TO REMAIN. NO WORK REQUIRED.	A. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN AND BE REUSED UNLESS IT IS FOUND TO BE DAMAGED. NOTIFY ENGINEER IF DAMAGED WIRING IS DISCOVERED. B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LIGHT FIXTURE QUANTITIES PRIOR TO ORDERING. C. VERIFY EXISTING BRANCH CIRCUIT AND PROVIDE LABEL ON ALL NEW FIXTURES INDICATING ASSIGNED BRANCH CIRCUIT BREAKER AND PANEL. D. COORDINATE WORKING HOURS AND POWER SHUT DOWN TIMES WITH OWNER PRIOR TO BEGINNING WORK. E. CONTRACTOR SHALL DISPOSE OF ALL REMOVED LIGHT FIXTURES, LAMPS AND BALLASTS ACCORDING TO ALL LOCAL CODES. F. NEW FIXTURES WILL BE OF DIFFERENT DIMENSIONS THAN EXISTING FIXTURES. CONTRACTOR TO MAKE ALLOWANCE FOR EXTENDING OR REDUCING CONDUIT AND CONDUCTORS AS NECESSARY.



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AGENCY SET

PROJECT	DATE
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DRAWN	CHECKED
JCC	JLB

REVISED

SHEET TITLE
SIXTH LEVEL LIGHTING PLAN

SHEET
E16
 ORIGINAL SHEET SIZE
 30" x 42"