



**INVITATION TO BID**  
**ITB # 2021-05**  
**ISSUE DATE: September 8, 2021**

**OMIC R&D INJECTION MOLDING MACHINE**

**BID DUE DATE AND TIME**  
**Monday, September 27, 2021**  
**1:00 PM, Pacific Time**

**SUBMIT TO: [Purchasing@oit.edu](mailto:Purchasing@oit.edu)**

## **1.0 GENERAL**

### **1.01 SCHEDULE OF EVENTS:**

Invitation to Bid Issue Date ..... **September 8, 2021**  
Deadline for Request for Clarification or Change ..... **September 17, 2021**  
Bid Due Date and Time ..... **September 27, 2021, 1:00 PM Pacific Time**  
Deadline for Protest of Award ..... Seven (7) calendar days after date  
on Notice of Intent to Award  
Anticipated Contract Begin Date ..... **On or around October 11, 2021**

This Schedule of Events is subject to change. Any changes will be made through the issuance of Written Addenda.

### **1.02 ISSUING OFFICE:**

The Procurement and Contract Services Office (“PACS”) of the Oregon Institute of Technology (“Oregon Tech”) is the issuing office and is the sole point of contact for this Invitation to Bid (“ITB”). All questions regarding this ITB should be directed to the Administrative Contact person identified below:

Name: Vivian Chen  
Title: Director, Procurement, Contracts, and Risk  
Telephone: (503) 821-1266  
Email: [Vivian.Chen@oit.edu](mailto:Vivian.Chen@oit.edu)

### **1.03 DEFINITIONS**

As used in this ITB, the terms set forth below are defined as follows:

1. “Addenda” means an addition to, deletion from, a material change in, or general interest explanation of the ITB.
2. “Exhibits” means those documents which are attached to and incorporated as part of the ITB.
3. “Bid” means an offer, binding on the Bidder and submitted in response to an Invitation to Bid.
4. “Bidder” means an entity that submits a Bid in response to an ITB.
5. “Bid Due Date and Time” means the date and time specified in the ITB as the deadline for submitting Bids.
6. “Invitation to Bid” (ITB) means a Solicitation Document for the solicitation of competitive, Written, signed and sealed Bids in which Specifications, price, and delivery (or project completion) are the predominant award criteria.
7. “Responsible” means an entity that demonstrates their ability to perform satisfactorily under a Contract by meeting the applicable standards of responsibility outlined in Oregon Institute of Technology Policy Section 580-061-0130.
8. “Responsive” means a Bid that has substantially complied in all material respects with the criteria outlined in the ITB.
9. “Written or Writing” means letters, characters, and symbols inscribed on paper by hand, print, type, or other method of impression intended to represent or convey particular ideas or meanings.

## **2.0 INTRODUCTION AND BACKGROUND**

2.01 INTRODUCTION:

The Oregon Institute of Technology (“Oregon Tech”) is seeking proposals to select a vendor to provide one (1) injection molding machine as specified herein for equipping the Oregon Manufacturing Innovation Center Research and Development (“OMIC R&D”) in Scappoose, Oregon.

2.02 BACKGROUND:

OMIC R&D is currently constructing an Additive Innovation Center which will focus on three-dimensional (3D) printing, and the industry aligned use case scenarios for 3D printing such as additively manufactured injection molds. OMIC R&D has established its name in subtractive manufacturing and will continue to grow into new sectors to aid manufacturing companies looking to become more competitive in today’s marketplace. OMIC R&D has already successfully demonstrated that injection molds can be produced and shot on a 500-ton press, that research project was able to produce parts at a lower takt time and at a greatly reduced lead time for the molds themselves. As a research and development facility, OMIC R&D will have to undertake a variety of projects, so the proposed machine will need to be highly capable, industry aligned, and have the technology necessary to monitor the process.

2.03 OREGON INSTITUTE OF TECHNOLOGY:

Oregon Tech is an institution founded on the principles of excellence through hands-on knowledge. We believe in giving students a rigorous, practical education while applying cutting-edge concepts for real-world solutions.

As the Pacific Northwest’s only public institute of technology, we take pride in our mission to deliver technology education. We continually partner with industry leaders to ensure that our programs and classes are at the top of the board with adapting to new technology and preparing students for workforce demands.

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|---|
| <b>3.0 SPECIFICATIONS / STATEMENT OF WORK</b> |
|---|

3.01 REQUIRED SPECIFICATIONS:

In order to qualify as a Responsive Bidder, the Bid needs to meet the required specifications per Exhibit A.

3.02 TERMS AND CONDITIONS:

Oregon Tech’s terms and conditions governing the purchase resulting from this ITB are included at Exhibit B.

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|----------------------------------|
| <b>4.0 BIDDER QUALIFICATIONS</b> |
|----------------------------------|

4.01 MINIMUM QUALIFICATIONS:

In order to qualify as a Responsive Bidder, the Bidder needs to meet the minimum qualifications below:

- All equipment must be new. No used or refurbished equipment will be considered
- Warranty duration information must be provided for each piece of equipment.
- All equipment must be provided as soon as reasonably possible. It is requested that the vendor ship items as they are available

- All bids must be inclusive of Freight FOB Destination, OMIC R&D, 33701 Charles T. Parker Way, Scappoose, OR 97056.

## **5.0 REQUIRED SUBMITTALS**

### **5.01 QUANTITY OF BID:**

Submit one copy of the Bid by email to the below address. The Bid must contain all of the required information and must have signatures on the required forms.

**Submit Bids (including all required documents) to: [Purchasing@oit.edu](mailto:Purchasing@oit.edu)**

### **5.02 REQUIRED SUBMITTALS:**

It is the Bidder's sole responsibility to submit information in fulfillment of the requirements of this ITB. If pertinent information or required submittals are not included within the Bid, it may cause the Bid to be rejected.

Bidders should submit the following information:

- Description of how the goods or services offered specifically meet the required specifications described in Exhibit A.
- Detailed information about how the Bidder meets the minimum qualifications detailed in section 4.
- Exhibit C, Certifications, fully completed.
- Exhibit D, References, fully completed.
- Exhibit E, Bid Price Form, fully completed.

## **6.0 EVALUATION AND AWARD**

### **6.01 EVALUATION:**

Bids will be evaluated to determine the lowest Responsive Responsible Bidder based upon the ITB, Exhibits and Addenda. Oregon Tech may engage in any of the processes identified in the applicable Oregon Institute of Technology Policy to determine Contract award.

### **6.02 INVESTIGATION OF REFERENCES:**

Oregon Tech reserves the right to investigate and to consider the references and the past performance of any Bidder with respect to such things as its performance or provision of similar goods or services, compliance with specifications and contractual obligations, and its lawful payment of suppliers, subcontractors, and workers. Oregon Tech further reserves the right to consider past performance, historical information and facts, whether gained from the Bid, interviews, references, Oregon Tech or any other source. Oregon Tech may postpone the award or execution of the Contract after the announcement of the notice of intent to award in order to complete its investigation.

## **7.0 INSTRUCTIONS TO BIDDERS**

### **7.01 APPLICABLE STATUTES AND RULES:**

This ITB is subject to the applicable provisions and requirements of the Oregon Revised Statutes, and Oregon Institute of Technology Policies.

### **7.02 MANUFACTURER'S NAMES AND APPROVAED EQUIVALENT:**

Unless qualified by the provision “NO SUBSTITUTE” any manufacturers’ names, trade name, brand names, information and/or catalogue numbers listed in a specification are for information and not intended to limit competition. Bidders may offer any brand for which they are an authorized representative, which meets or exceeds the specification for any item(s). If Bids are based on equivalent products, indicate in the Bid form the manufacturers’ name and number. Bidders shall submit with their Bid, sketches, and descriptive literature, and/or complete specifications. Reference to literature submitted with a previous Bid will not satisfy this provision. Bidders shall also explain in detail the reason(s) why the proposed equivalent will meet the specifications and not be considered an exception thereto. Bids, which do not comply with these requirements, are subject to rejection. Bids lacking any written indication of intent to provide an alternate brand will be received and considered in complete compliance with the specification as listed in the ITB.

7.03 REQUEST FOR CLARIFICATION OR CHANGE:

Requests for clarification or change of the ITB must be in Writing and received by the issuing office no later than the Deadline for Request for Clarification or Change as specified in the Schedule of Events. Such requests for clarification or change must include the reason for the Bidder’s request. Oregon Tech will consider all timely requests and, if acceptable to Oregon Tech, amend the ITB by issuing an Addendum. An Addendum will be posted at <https://www2.wou.edu/nora/orpu.bid.home>. Emails containing requests should be clearly marked as a Request for Clarification or Change and include the ITB Number and Title.

7.04 ADDENDA:

Only documents issued as Written Addenda by PACS serve to change the ITB in any way. No other direction received by the Bidder, written or verbal, serves to change the ITB. PACS will notify potential Bidders through publication of the Addenda on the Oregon Public University Procurement Website (<https://www2.wou.edu/nora/orpu.bid.home>). If you have received an ITB you should consult the Oregon Public University Procurement Website, prior to Bid submittal, to assure that you have not missed any Addenda. Bidders are not required to return Addenda with their Bid. However, Bidders are responsible for obtaining and incorporating any changes made by the Addendum into their Bid. Failure to do so may, in effect, make the Bid non-Responsive, which may cause the Bid to be rejected.

7.05 PREPARING AND SIGNATURE:

All Required Submittals must be Written or prepared in ink and signed in ink by an authorized representative with authority to bind the Bidder. Signature certifies that the Bidder has read, fully understands, and agrees to be bound by the ITB and all Exhibits and Addenda to the ITB.

7.06 PUBLIC RECORD:

Upon completion of the ITB process, information in your Bid will become subject records under the Oregon Public Records Law. Only those items considered a “trade secret” under ORS 192.501(2), may be exempt from disclosure. If a Bid contains what the Bidder considers a “trade secret” the Bidder must mark each sheet of information as such. Only bona fide trade secrets may be exempt and only if public interest does not require disclosure.

7.07 SUBMISSION:

Bids must be submitted via email to [Purchasing@oit.edu](mailto:Purchasing@oit.edu) no later than the Bid Due Date and Time. Bidder must specify on the outside of the envelope the ITB number, the ITB title and the Bid Due Date and Time. **FACSIMILE BIDS WILL NOT BE ACCEPTED.**

7.08 MODIFICATION:

Prior to submittal, Bidders should initial modifications or erasures in ink by the person signing the Bid. After submittal but prior to the Bid Due Date and Time, Bids may be modified by submitting a Written notice indicating the modifications and a statement that the modification amends and supersedes the prior Bid. After the Bid Due Date and Time, Bidders may not modify their Bid.

7.09 WITHDRAWALS:

A Bidder may withdraw their Bid by submitting a Written notice to the Administrative Contact identified in this ITB prior to the Bid Due Date and Time. The Written notice must be on the Bidder's letterhead and signed by an authorized representative of the Bidder. The Bidder, or authorized representative of the Bidder, may also withdraw their Bid in person prior to the Bid Due Date and Time, upon presentation of appropriate identification and evidence of authority to withdraw the Bid satisfactory to Oregon Tech.

7.10 LATE SUBMITTALS:

Bids and Written notices of modification or withdrawal must be received no later than the Bid Due Date and Time. Oregon Tech may not accept or consider late Bids, modifications, or withdrawals except as permitted in Oregon Institute of Technology Policy Section 580-061-0120.

7.11 BID OPENING:

Bids will be opened immediately following the Bid Due Date and Time at the Submittal Location. Bidder may attend the Bid opening. Only the names of the Bidders submitting Bids and base bid price will be announced. No other information regarding the content of the Bids will be available.

7.12 BIDS ARE OFFERS:

The Bid is the Bidder's offer to enter into a Contract pursuant to the terms and conditions specified in the ITB, its Exhibits, and Addenda. The offer is binding on the Bidder for one hundred twenty (120) days. Oregon Tech's award of the Contract constitutes acceptance of the offer and binds the Bidder. The Bid must be a complete offer and fully Responsive to the ITB.

7.13 CONTINGENT BIDS:

Bidder shall not make its Bid contingent upon Oregon Tech's acceptance of specifications or contract terms that conflict with or are in addition to those in the ITB, its Exhibits, or Addenda.

7.14 RIGHT TO REJECT:

Oregon Tech may reject, in whole or in part, any Bid not in compliance with the ITB, Exhibits, or Addenda, if upon Oregon Tech's Written finding that it is in the public interest to do so. Oregon Tech may reject all Bids for good cause, if upon Oregon Tech's Written finding that it is in the public interest to do so. Notification of rejection of all Bids, along with the good cause justification and finding of public interest, will be sent to all who submitted a Bid.

7.15 AWARDS:

Oregon Tech reserves the right to make award(s) by individual item, group of items, all or none, or any combination thereof. Oregon Tech reserves the right to delete any item from the award when deemed to be in the best interest of Oregon Tech.

7.16 LEGAL SUFFICIENCY REVIEW:

Prior to execution of any Contract resulting from this ITB, the Contract may be reviewed for legal sufficiency by a qualified attorney for Oregon Tech pursuant to the applicable Oregon Revised Statutes and Oregon Institute of Technology Policy. Legal sufficiency review may result in changes to the terms and conditions specified in the ITB, Exhibits, and Addenda.

7.17 BID RESULTS:

A notice of intent to award containing the Bid results will be issued to all Bidders. The Bid file will be available for Bidder's review during the protest period at the PACS Department. Bidders must make an appointment with the Administrative Contact to view the Bid file. After the protest period, the file will be available by making a Public Records Request to Oregon Tech.

7.18 BID PREPARATION COST:

Oregon Tech is not liable for costs incurred by the Bidder during the ITB process.

7.19 BID CANCELLATION:

If an ITB is cancelled prior to the Bid Due Date and Time, all Bids that may have already been received will be returned to the Bidders. If an ITB is cancelled after the Bid Due Date and Time or all Bids are rejected, the Bids received will be retained and become part of Oregon Tech's permanent Bid file.

7.20 PROTEST OF CONTRACTOR SELECTION, CONTRACT AWARD:

Any Bidder who feels adversely affected or aggrieved may submit a protest within three (3) calendar days after Oregon Tech issues a notice of intent to award a Contract. The protest must be clearly identified as a protest, identify the type and nature of the protest, and include the ITB number and title. The rules governing protests are at Oregon Institute of Technology Policy Section 580-061-0145.

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| <p style="text-align: center;"><b>EXHIBIT A</b><br/><b>REQUIRED SPECIFICATIONS</b></p> |
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**Intended Install Location**

The machine will be installed in OMIC R&D's new Additive Innovation Center at location F9 (shop row and column). See attached for planned Architectural, Structural and MEP plans. OMIC R&D plans to have the machine installed along with approximately twelve (12) other machines concurrently prior to ribbon cutting in late third quarter (Q3) of 2022. The successful Bidder must work with OMIC R&D staff to align delivery schedule with other capital acquisitions.

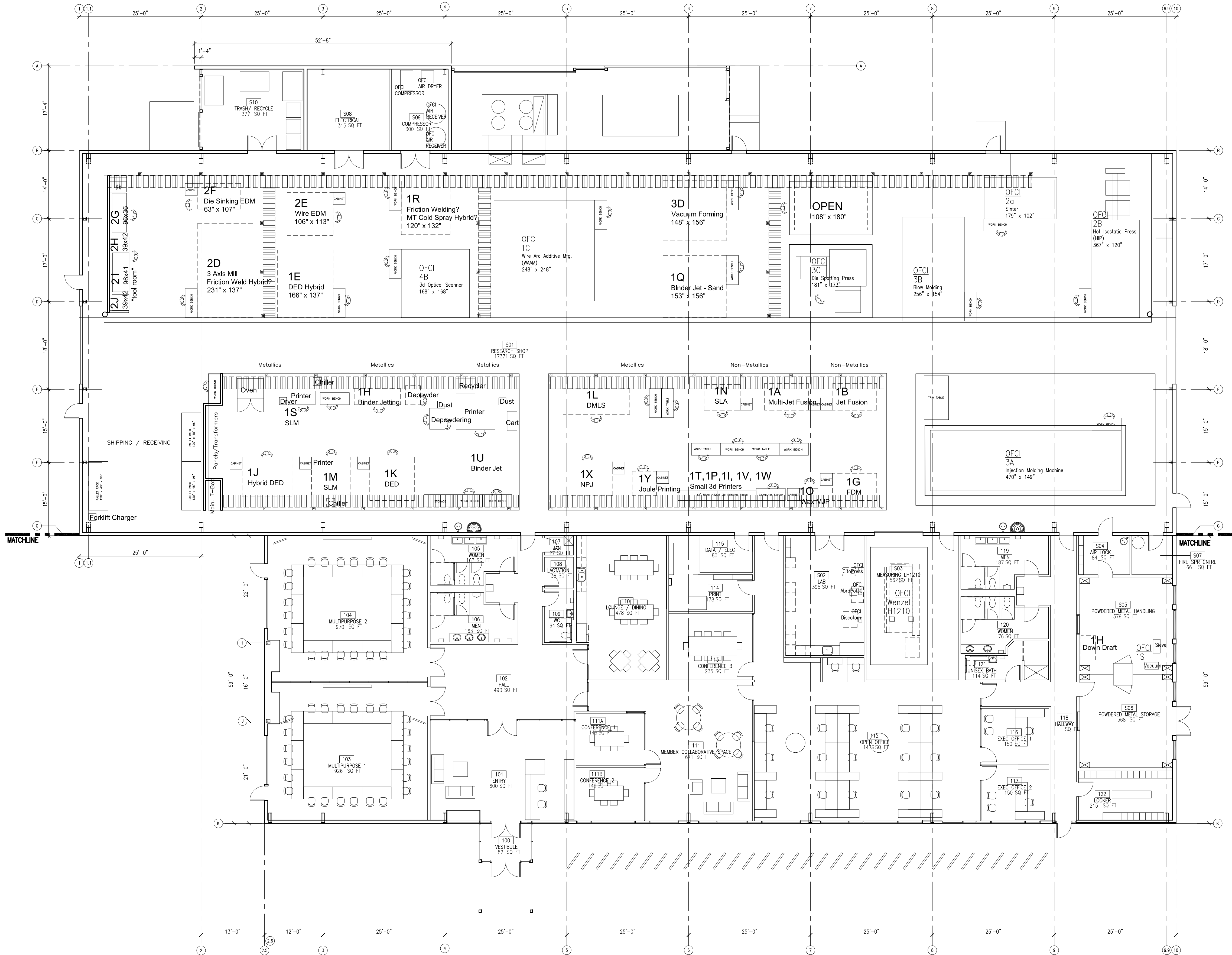
**Required Parameters of Machine**

- Machine must have a clamp force of 15,000Kn
- Machine must be quoted with an optional multi-injection mould system in one of the two following configurations:
  - H/M position – Unit on station platen & “moveable” unit on the moving mould
  - H/W position – One horizontal unit with second unit backpacked on the horizontal unit
- If the below are not standard for every machine, please include options with pricing for the following features:
  - Parallel movement of plasticization unit and clamp unit
  - Machine prepared for microcellular injection mold
  - Machine prepared for infrared oven on top of the Injection Mold Machine (IMM)
  - Linear robot on top of the IMM
  - Dryer for hygroscopic materials
  - Outdoor Chiller unit
  - Feeder system
- Machine must have the following safety features:
  - Machine must come with safety plan including Lock-Out Tag-Out (LOTO), Safety Data Sheets (SDS)
  - SDS for all supplied chemicals and gasses, and Job Safety Analysis (JSA) detailing suggested
  - Personal Protective Equipment (PPE) and common hazards during various machine operations.
- Bid must include all items necessary for machine function.
- Bid must include fluids (hydraulic, distilled water, glycol, coolant, etc.) in appropriate amounts necessary for initial startup of machine.
- Beyond rigging, successful Bidder's factory representatives must have all tools onsite at OMIC R&D to accomplish installation of machine
- Bid must include shipping to OMIC R&D facility, seller must assume FOB until machine arrival at the OMIC R&D facility in Scappoose, Oregon
- Bid must include all shipping costs
- Bid must include builder standard machine buy-off demonstration at OMIC R&D facility.
- Bid must exclude training and maintenance



- Successful Bidder must immediately work with OMIC R&D staff to fully understand installation and building requirements, including machine footprint, external systems footprint, foundation requirements, location of power and data entry into machine, air needs, water needs, chiller needs, and other pertinent information
- Machine delivery must correspond with a Q3 2022 delivery, with exact time to be determined by mutual agreement of OMIC R&D and successful Bidder

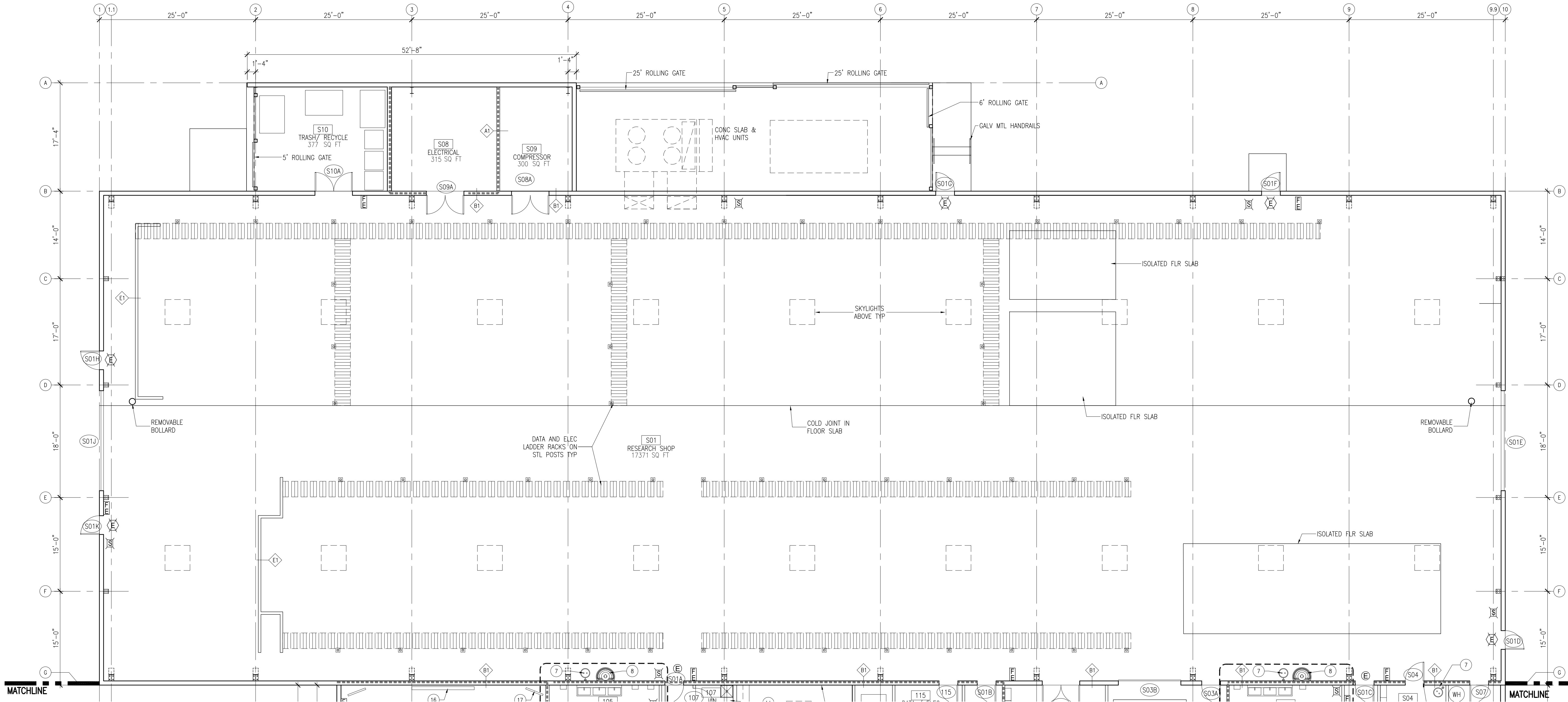




NOTE:  
ITEMS LABELED OFCI IS OWNER FURNISHED CONTRACTOR INSTALLED.  
ALL OTHER EQUIPMENT AND FURNISHINGS IS SHOWN FOR INFORMATION PURPOSES ONLY.

50% CD  
PROGRESS PRINT  
NOT FOR CONSTRUCTION





- KEY NOTES:**
- INTERIOR ALUM. PARTITION, SEE INTERIOR ELEVATIONS
  - EXTERIOR ALUM. STOREFRONT SYS.
  - PHENOLIC PANELS, SEE EXTERIOR ELEVATIONS
  - EXPLOSION VENTS, SEE ELEVATIONS
  - LOCKERS ON 4" WD BASE
  - DOORS W/ AIRLOCK SEALS
  - EYEWASH, SEE PLUMB
  - HANDWASH SINK, SEE PLUMB
  - CART PASS THROUGH
  - STORAGE SHELVES
  - STORAGE CABINETS
  - ROOF ACCESS WALL LADDER w/ 36x36 HATCH ABOVE
  - ACOUSTICAL WALL TREATMENT SEE INT. ELEVATIONS
  - (3) WALL MTD SHELVES ABOVE MOP SINK
  - MOVABLE PARTITION
  - RETRACTABLE SCREEN W/ SHORT THROW PROJECTOR
  - 32" MONITORS TYP (4)
  - 18" CUSTOM CASEWORK AT RECEPTION DESK AND WALL PANELS FOR "MEMBER BOARD"
  - GLASS DISPLAY CASE

**WALL LEGEND:**

===== ONE-HOUR RATED WALL

===== TWO-HOUR RATED WALL

1  
A1.1  
GROUND FLOOR PLAN  
1'-0" = 3/32"

**EXIT LIGHTS, EMERGENCY LIGHTING, STROBES & FIRE EXTINGUISHERS**

**(E) DIRECTIONAL EGRESS** **(E) EXIT W/ EGRESS**

**(E) EMERGENCY LIGHT** **(E) EXIT W/ EMERGENCY LIGHTS**

**(E) FIRE EXTINGUISHER** **(E) EMERGENCY STROBE**

**EMERGENCY LIGHTING & ALARM GENERAL NOTES**

- EXIT AND EMERGENCY LIGHTING SHALL BE PROVIDED AS INDICATED.
- FIRE EXTINGUISHERS AND CABINETS SHALL BE PROVIDED AS INDICATED.
- THE LOCATION OF EMERGENCY STROBES SHOWS THE INTENT OF THE DESIGN ONLY. THE LAYOUT AND DESIGN OF STROBES AND OTHER NOTIFICATION DEVICES SHALL BE DESIGNED AND LOCATED BY THE ALARM SYSTEM DESIGNER, IT SHALL BE THE ALARM SYSTEMS DESIGNER'S RESPONSIBILITY TO DESIGN THE SYSTEM TO MEET ALL LOCAL AND FEDERAL CODES.
- THE ALARM AND NOTIFICATION DESIGN SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO SUBMISSION FOR PERMIT.

**GENERAL FLOOR PLAN NOTES:**

- ALL PARTITIONS ARE PARTITION TYPE "A2" UNLESS NOTED OTHERWISE
- ALL PEDESTRIAN DOORS EXITING TO THE OUTSIDE FROM THE SHOP AND POWDERED METAL ROOMS SHALL BE EQUIPPED WITH PANIC HARDWARE.
- SEE EQUIPMENT & FURNISHING PLAN FOR EQUIPMENT INSTALLED BY CONTRACTOR.

**50% CD  
PROGRESS PRINT  
NOT FOR CONSTRUCTION**

**AKAAN**  
architecture + design llc

**REGISTERED ARCHITECT**  
WILLIAM ALLAN  
PETERSEN  
ST. HELENS, OREGON  
**STATE OF OREGON**

**PROJECT TEAM:**

**CIVIL ENGINEER:**  
AKS ENGINEERING & FORESTRY  
12965 SW Herman Road, Suite 100  
Tualatin, OR 97062  
P: 503.563.6151  
F: 503.563.6152

**STRUCTURAL ENGINEER:**  
PETERSON STRUCTURAL ENGINEERS  
9400 SW Barnes Road, Suite 100  
Portland, OR 97225  
P: 503.292.1635

**MEP ENGINEER:**  
MKE & Associates, Inc.  
6915 SW Macadam Ave, Suite 200  
Portland, OR 97219  
P: 503.892.1188

**OWNER:**  
OMIC R&D / OREGON TECH.  
Procurement and Contract Services  
27500 SW Parkway Avenue  
Wilsonville, OR 97070

**OWNER'S REPRESENTATIVE:**  
CRAIG CAMPBELL, Executive Director  
OMIC R&D  
33701 Charles T. Parker Way  
Scappoose, Oregon 97056  
503-983-0573

**OMIC R&D - Building 2  
Additive Manufacturing Center**  
33701 Charles T. Parker Way  
Scappoose, Oregon 97056

**SCALE:** AS NOTED  
**DRAWN BY:** KP  
**CHECKED BY:** -  
**CAD FILE:** 1503\_PLAN\_E.DWG  
**DATE:**

| REVISIONS |             |
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**CONTENTS:**

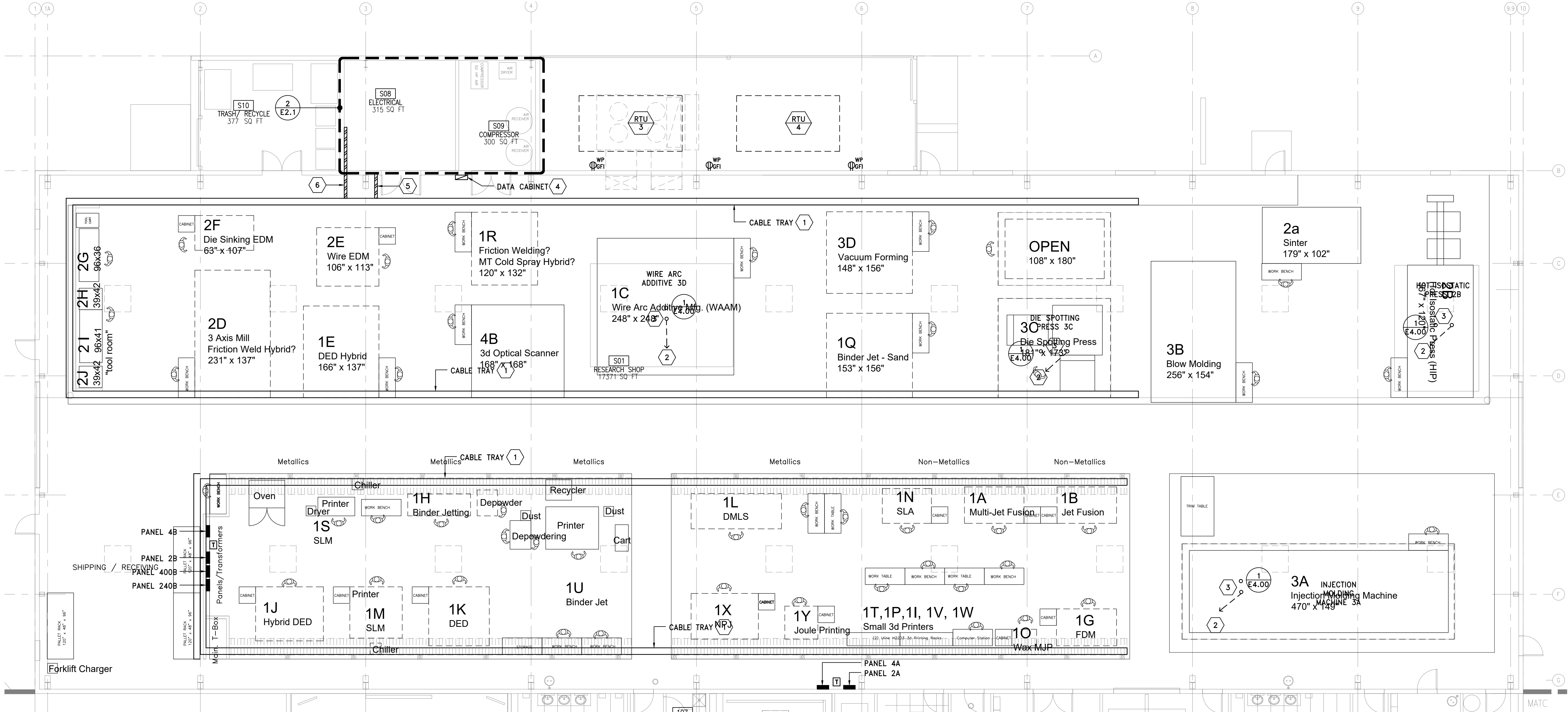
**EAST FLOOR PLAN  
SHOP**

**SHEET NO:**

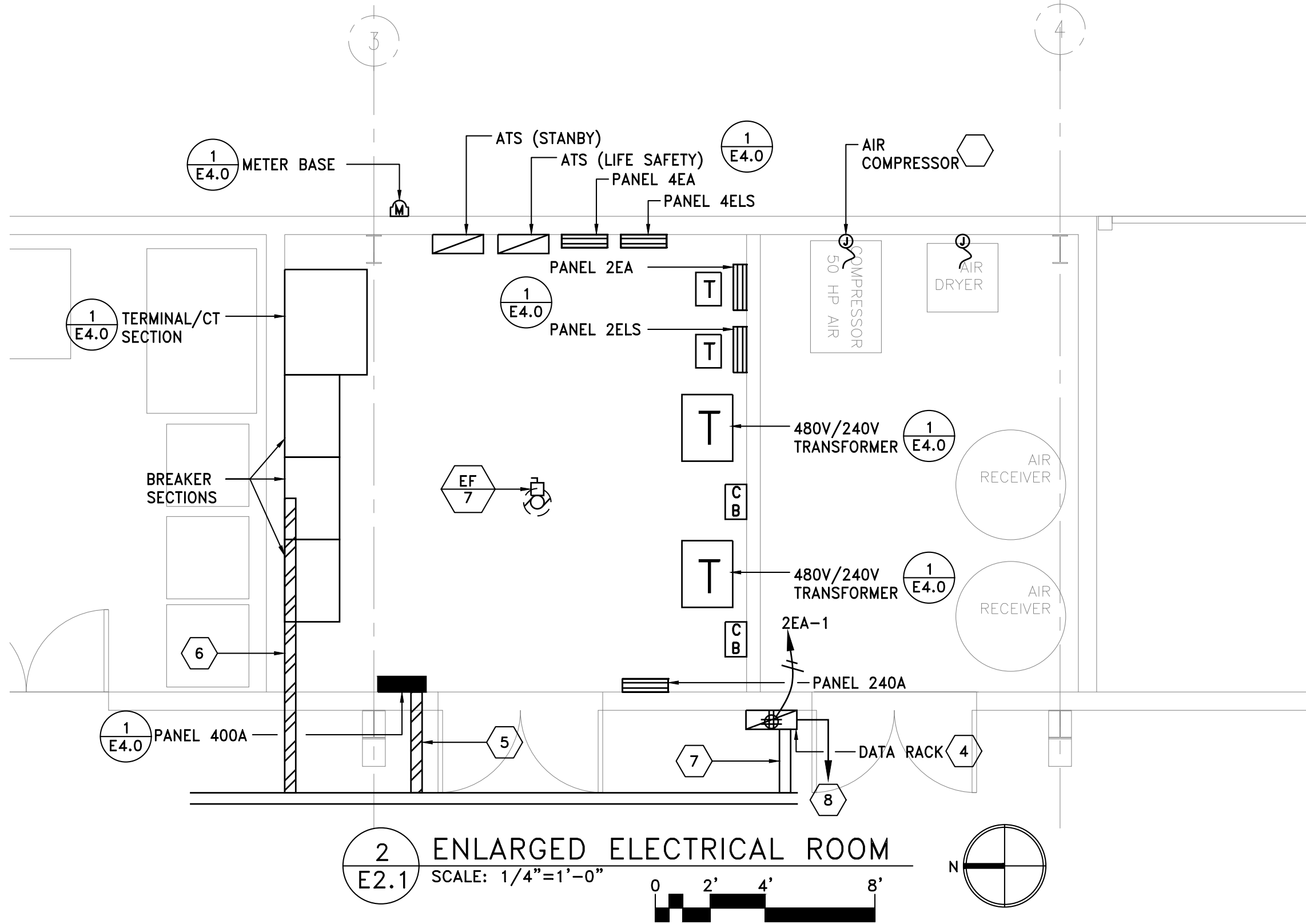
**A1.1**

101 ST HELENS ST  
ST HELENS, OR 97051  
T: 503.368.3050 F: 503.366.3055

PLOTTED: MATT MCCORMICK 7/29/2021 1:03 PM  
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1 FLOOR PLAN EAST - POWER  
 SCALE: 1/8"=1'-0"



2 ENLARGED ELECTRICAL ROOM  
 SCALE: 1/4"=1'-0"

KEYED NOTES:

- PROVIDE AND INSTALL 24" WIDE X 4" DEEP WIRE MESH CABLE TRAY MOUNTED ON FLOOR MOUNTED INFRASTRUCTURE. INFRASTRUCTURE PROVIDED/INSTALLED BY GENERAL CONTRACTOR. CABLE TRAY PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. CABLE TRAY/STRUCTURE SHALL ACCOMMODATE 125LB/FT. PROVIDE SEPARATOR TO ALLOW 4" OF CABLE TRAY TO BE USED FOR TELECOM CABLES.
- PROVIDE 1-1/2" PVC TO MDF ROOM FOR TELECOM CABLES. PROVIDE (2) CAT-6 CABLES TO EACH MACHINE. COORDINATE WITH MACHINE INSTALLER TO CONFIRM TERMINATION.
- SEE ONE-LINE POWER DISTRIBUTION DIAGRAM FOR FEEDERS TO OUTLINE MACHINE COORDINATION WITH MACHINE INSTALLER AND INSTALLATION DATA PRIOR TO ANY ROUGH-IN.
- PROVIDE AND INSTALL WALL MOUNTED DATA RACK. 36" HIGH X 24" DEEP. TEMPERED GLASS FRONT. PROVIDE FAN/FILTER KIT. DOUBLE HINGE LOCKABLE DOOR. CHATSWORTH 11900-X36 W/40972 FILTER/FAN KIT. PROVIDE QUAD OUTLET ON DEDICATED 120V, 20A CIRCUIT.
- PROVIDE AND INSTALL 4" EMT FROM PANEL 400A TO SIDE OF OVERHEAD CABLE TRAY.
- PROVIDE AND INSTALL (4) 4" EMT FROM 480V BREAKER SECTION IN MAIN DISTRIBUTION PANEL TO SIDE OF OVERHEAD CABLE TRAY.
- PROVIDE 12" WIDE X 4" DEEP MESH TRAY TO SIDE OF OVERHEAD CABLE TRAY.
- EXTEND (2) 2" EMT TO MDF ROOM.

6915 S MACADAM AVE  
 SUITE 200  
 PORTLAND, OREGON 97219  
 PHONE: (503) 892-1188

CONTACT: HANK BARLEEN  
 ENGINEERING@MKE-INC.COM



OMIC R&D - Building 2  
 Additive Manufacturing Center  
 33701 Charles T. Parker Way  
 Scappoose, Oregon 97056

SCALE: AS NOTED  
 DRAWN BY: DD  
 CHECKED BY: SL  
 CAD FILE:  
 DATE: 08/06/2021

| REVISIONS | DATE | DESCRIPTION |
|-----------|------|-------------|
|           |      |             |
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CONTENTS:

FLOOR PLAN  
 EAST - POWER

SHEET NO:

E2.1

AKAAN  
 architecture + design llc



PROJECT TEAM:

CIVIL ENGINEER:  
 AKS ENGINEERING & FORESTRY  
 12965 SW Herman Road, Suite 100  
 Tualatin, OR 97062  
 P: 503.563.6151  
 F: 503.563.6152

STRUCTURAL ENGINEER:  
 PETERSON STRUCTURAL ENGINEERS  
 9400 SW Barnes Road, Suite 100  
 Portland, OR 97225  
 P: 503.292.1635

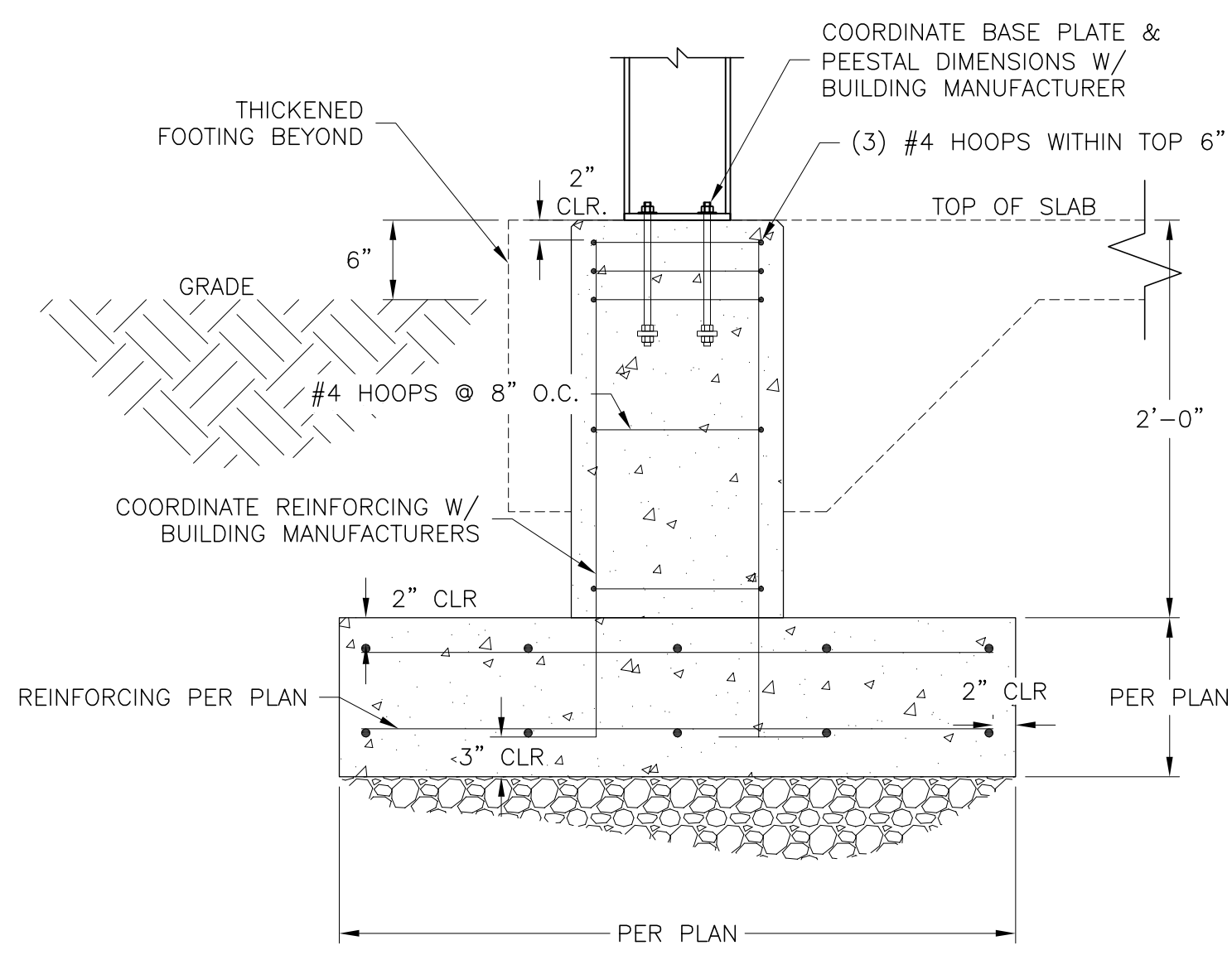
MEP ENGINEER:  
 MKE & Associates, Inc.  
 6915 SW Macadam Ave, Suite 200  
 Portland, OR 97219  
 P: 503.892.1188

OWNER:  
 OMIC R&D / OREGON TECH.  
 Procurement and Contract Services  
 27500 SW Parkway Avenue  
 Wilsonville, OR 97070

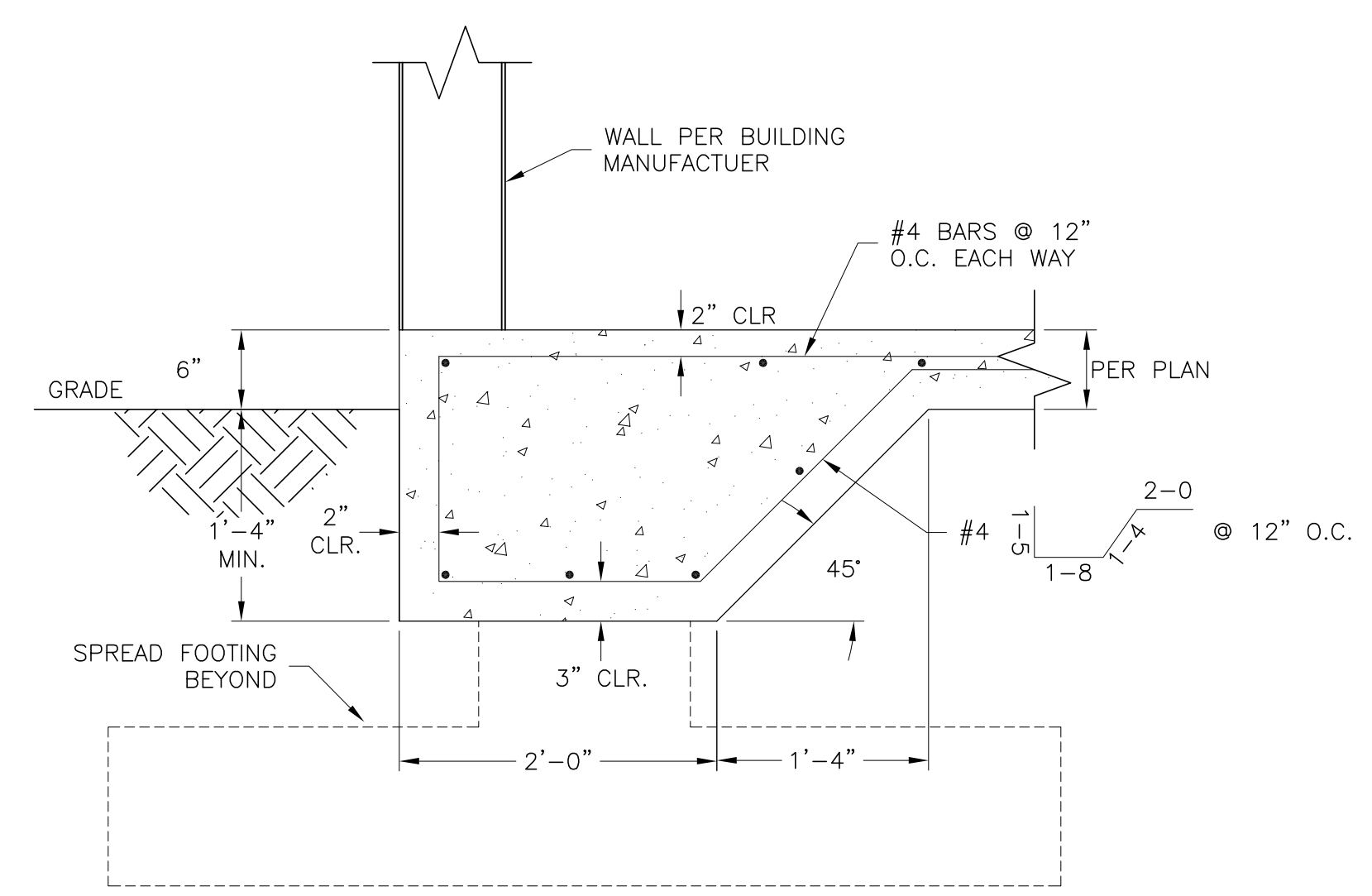
OWNER'S REPRESENTATIVE:  
 CRAIG CAMPBELL, Executive Director  
 OMIC R&D  
 33701 Charles T. Parker Way  
 Scappoose, Oregon 97056  
 503-983-0573

101 ST HELENS ST  
 ST HELENS, OR 97051  
 T: 503.366.3050 F: 503.366.3055

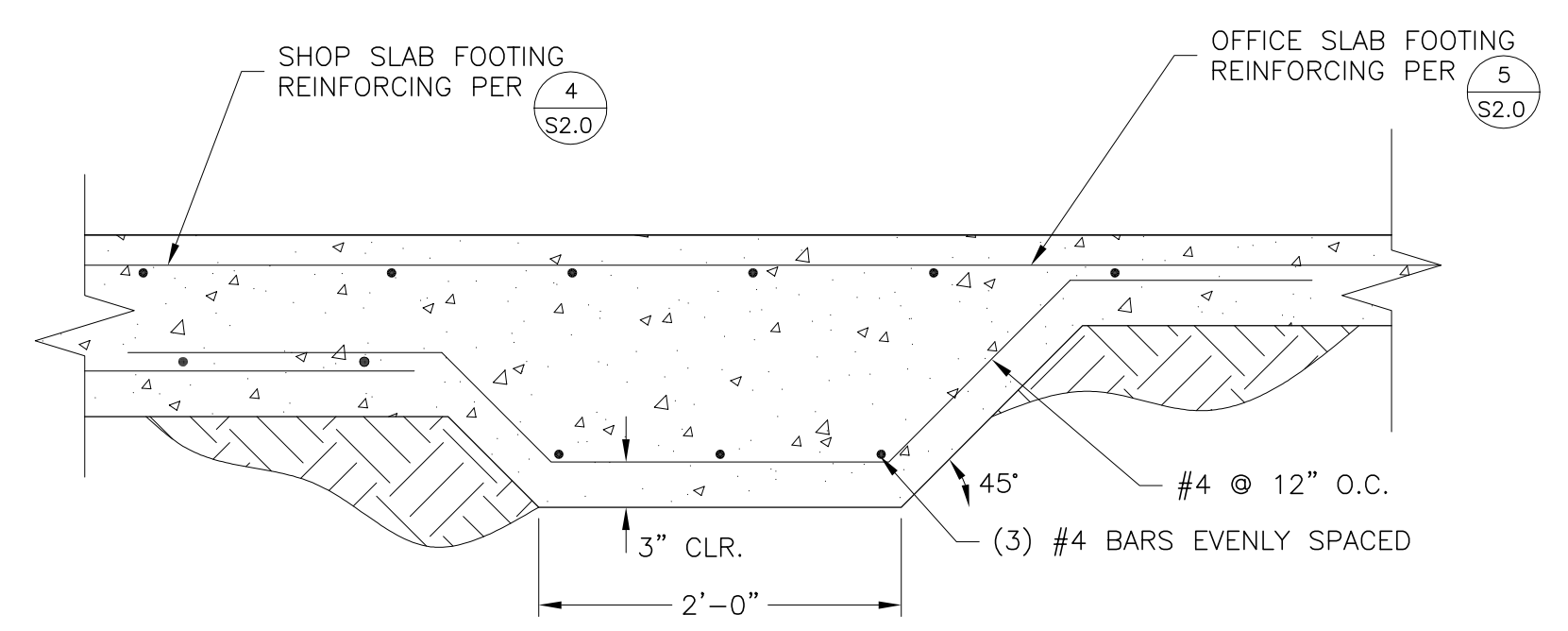
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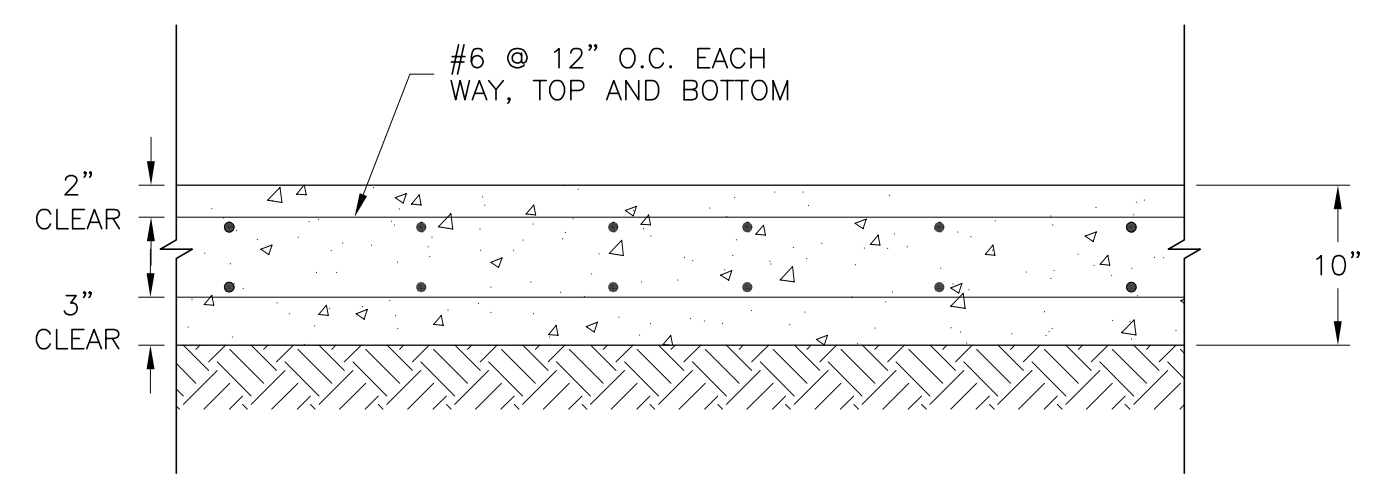
TYPICAL SPREAD FOOTING  
1" = 1'-0" S2.0



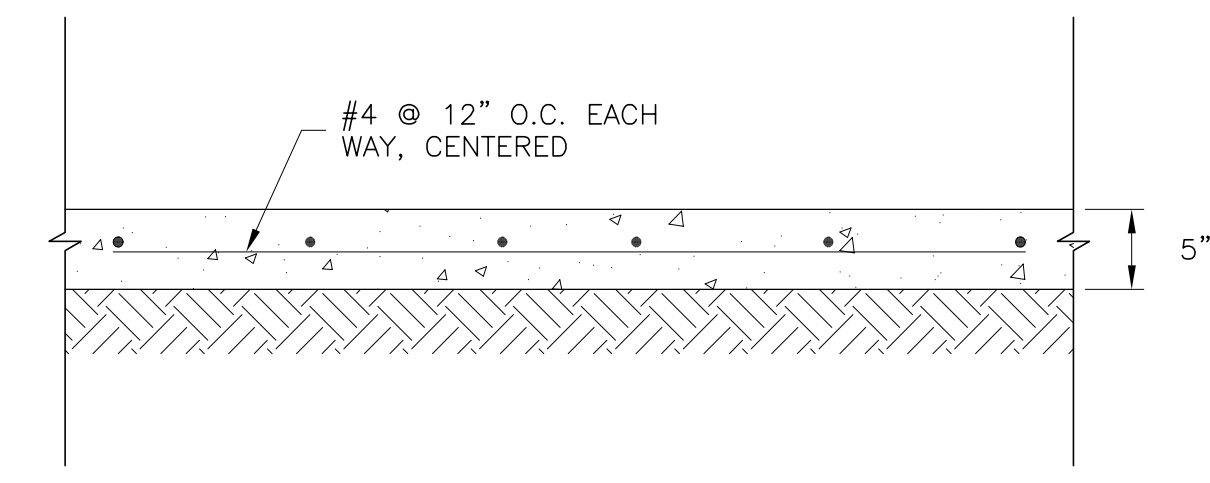
TYPICAL THICKENED EDGE FOOTING  
1" = 1'-0" S2.0



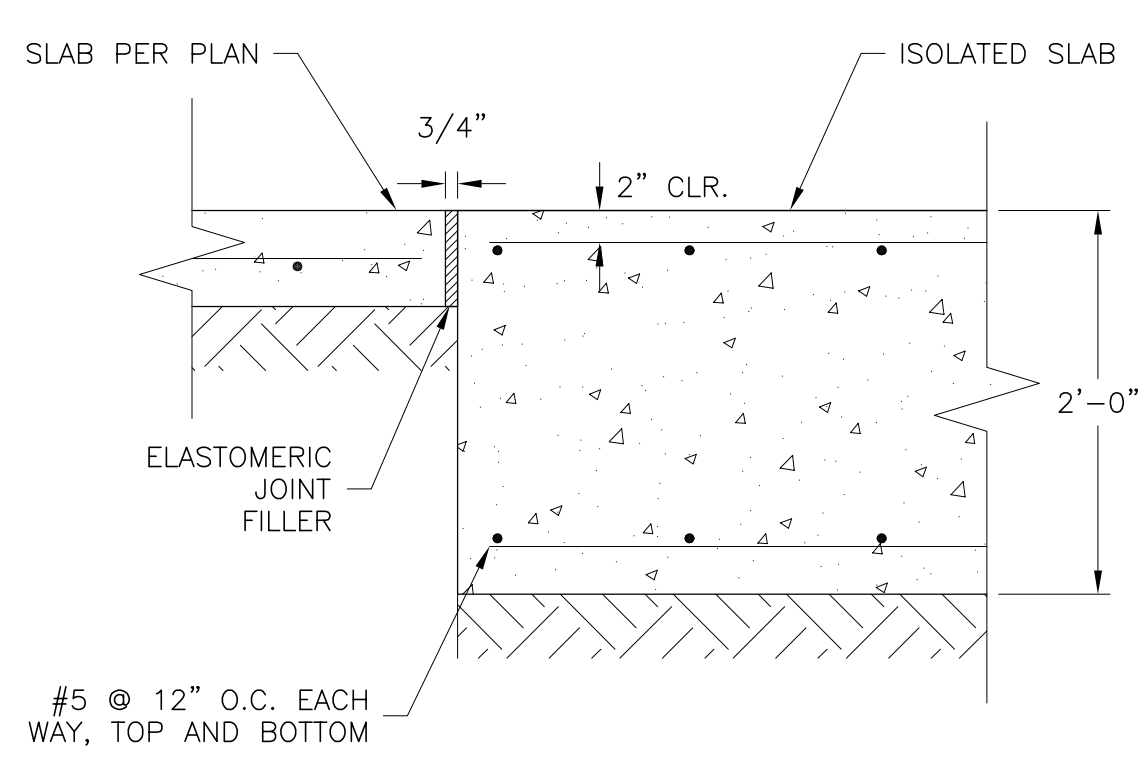
INTERIOR STRIP FOOTING  
1" = 1'-0" S2.0



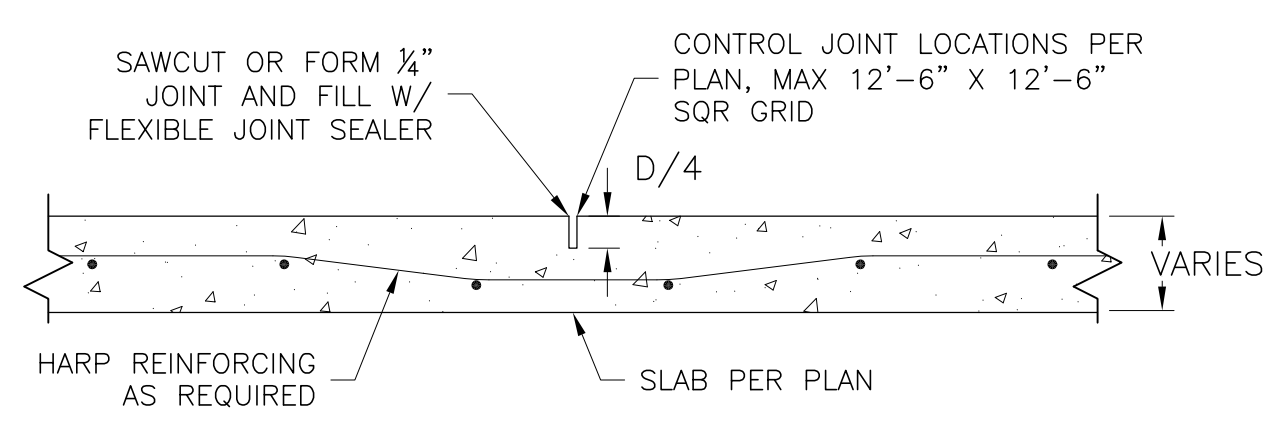
SHOP SLAB SECTION  
1" = 1'-0" S2.0



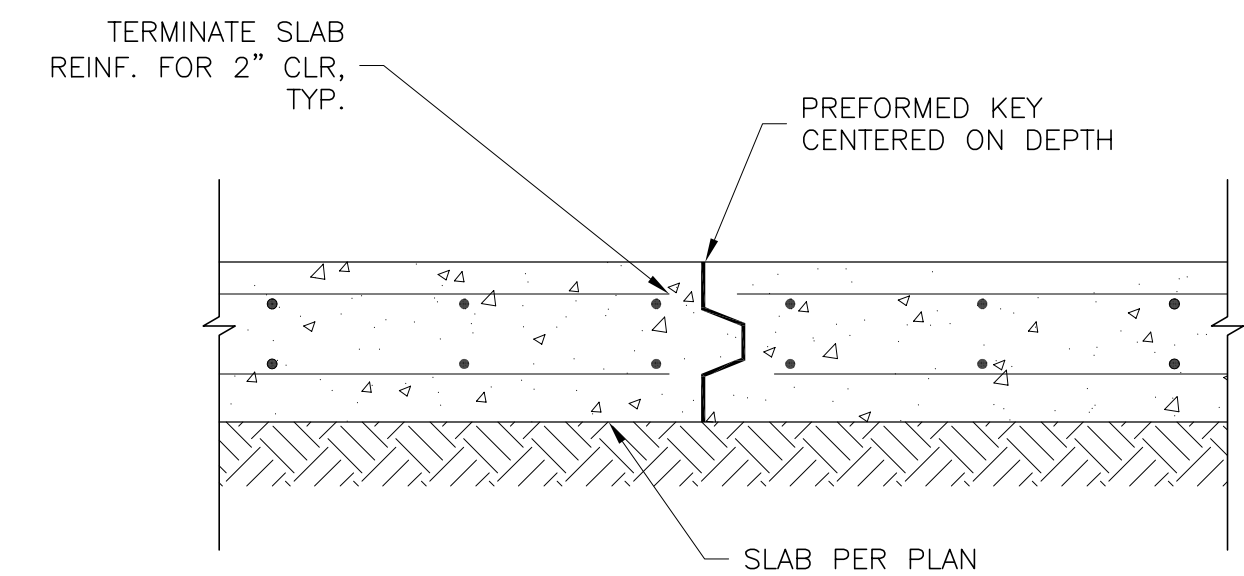
OFFICE SLAB SECTION  
1" = 1'-0" S2.0



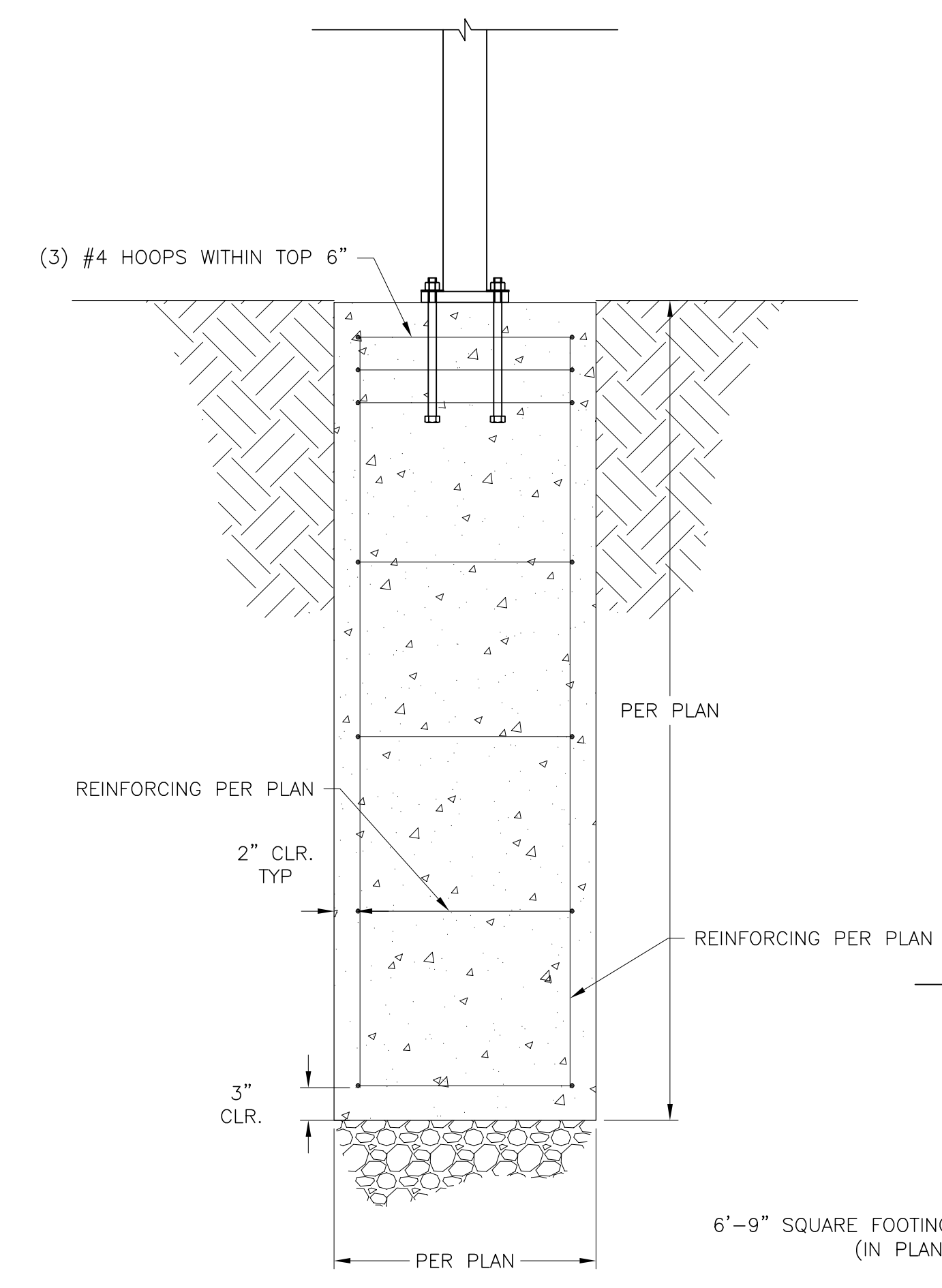
ISOLATED SLAB DETAIL  
1" = 1'-0" S2.0



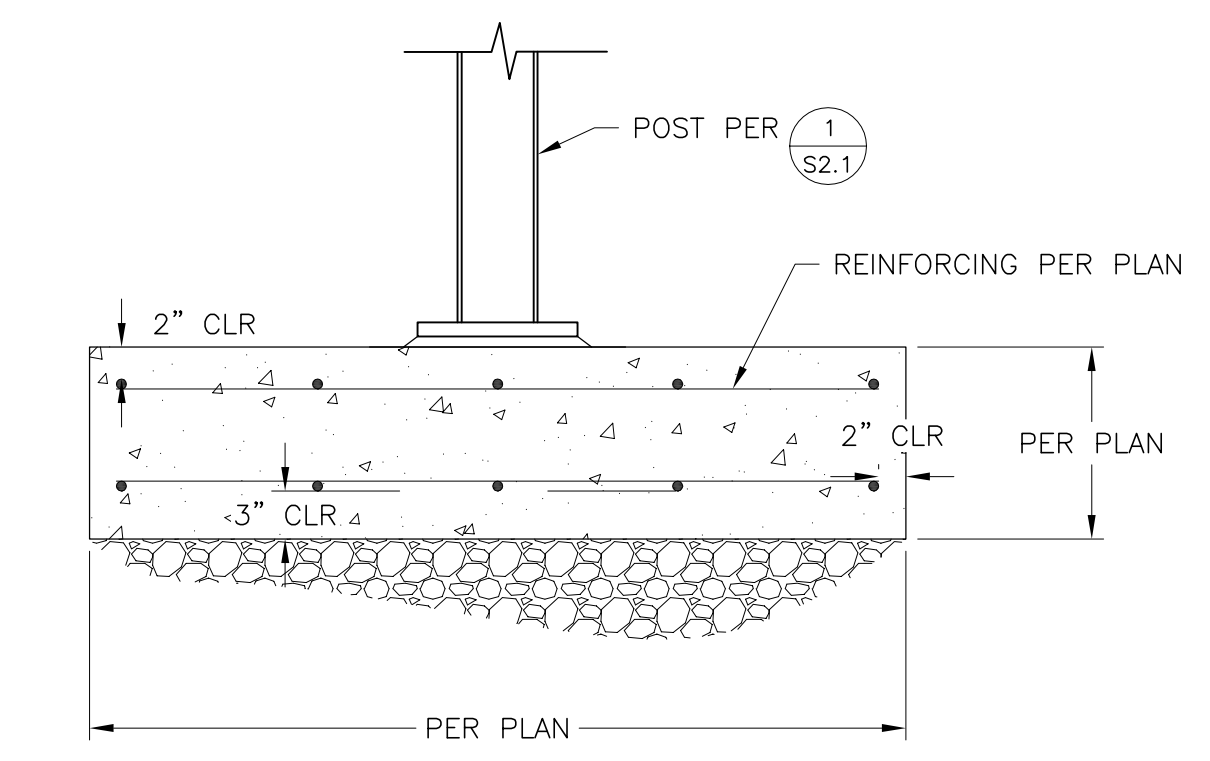
SLAB CONTROL JOINT DETAIL  
1" = 1'-0" S2.0



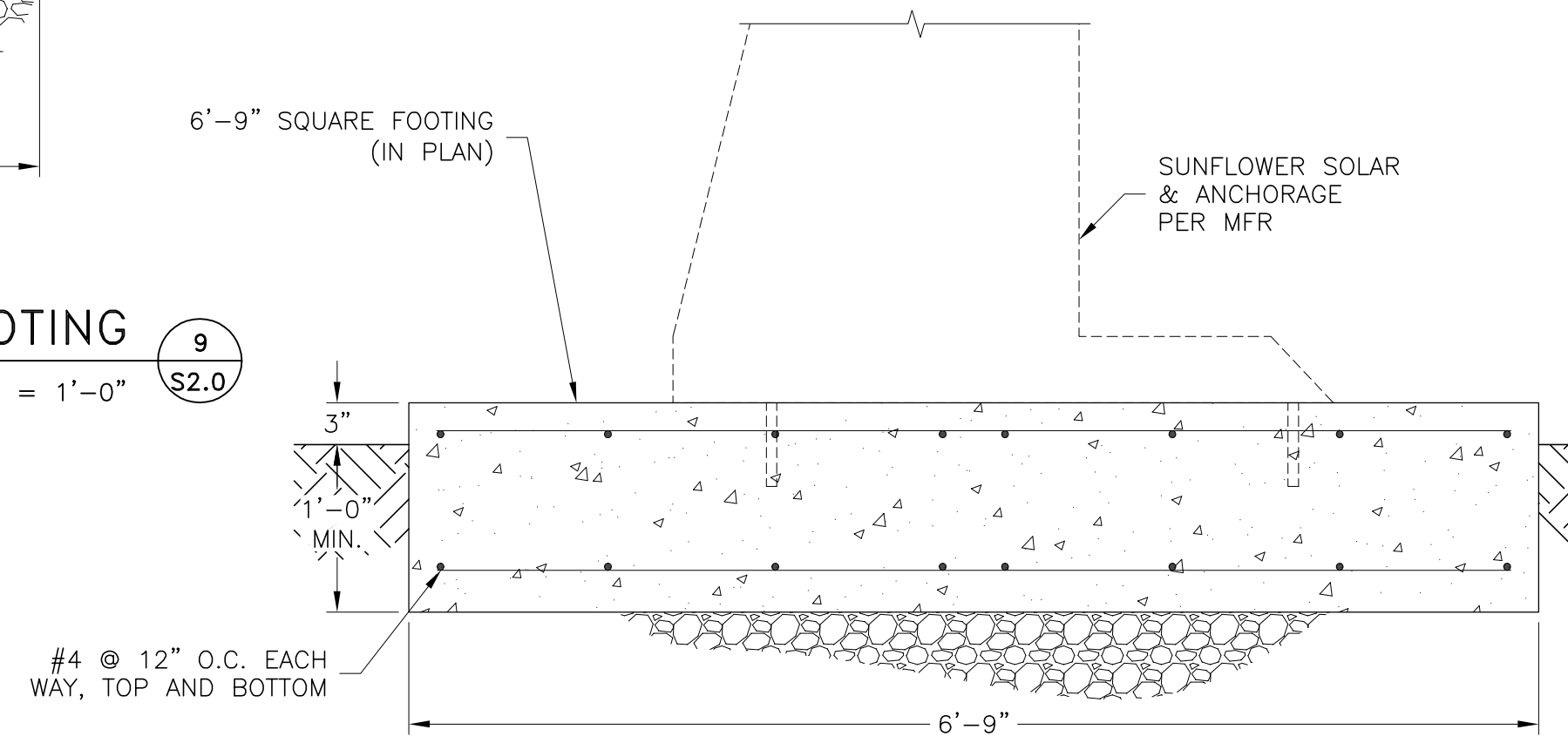
SLAB COLD JOINT DETAIL  
1" = 1'-0" S2.0



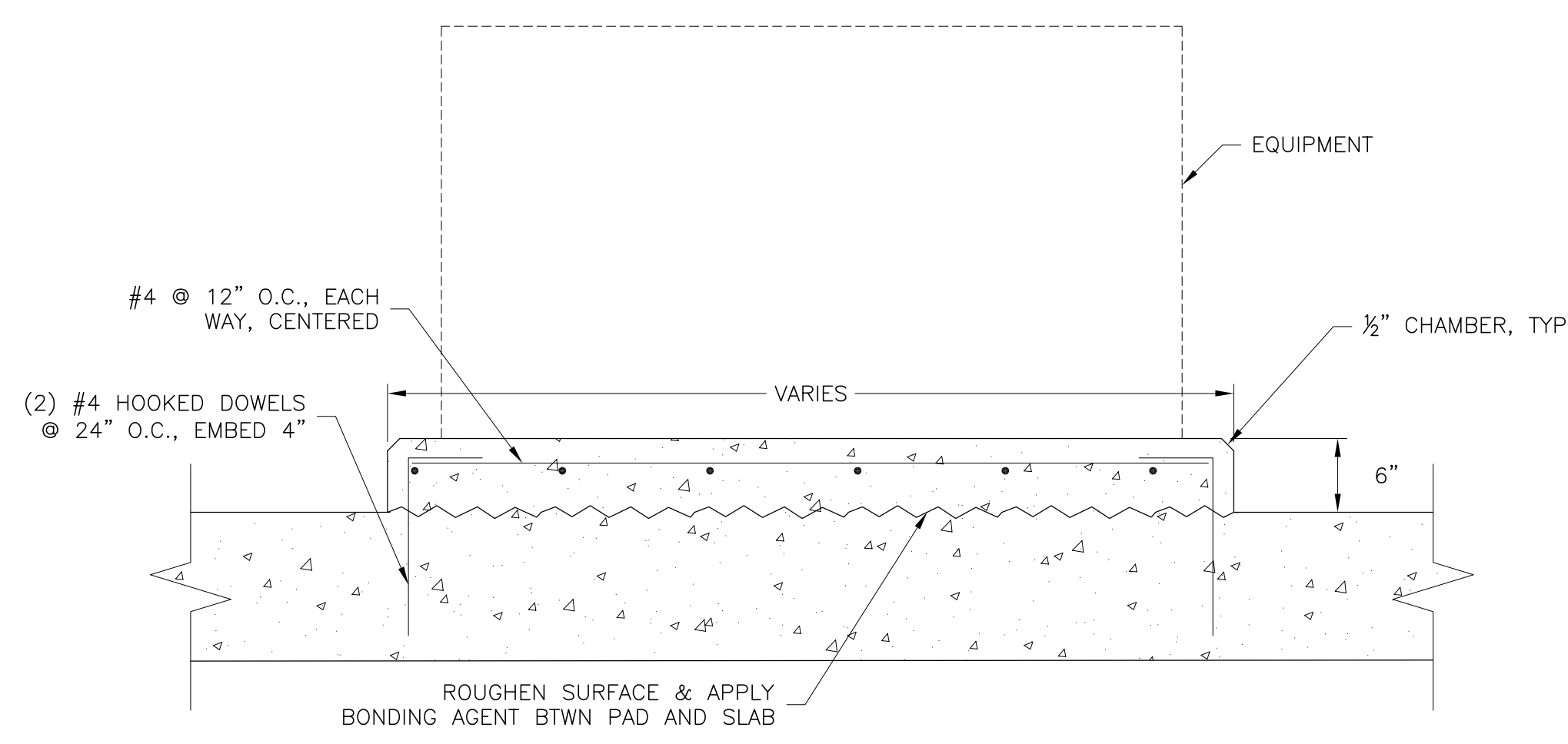
SUN SAIL FOOTING  
1" = 1'-0" S2.0



ENTRY CANOPY FOOTING  
1" = 1'-0" S2.0



SMARTFLOWER SOLAR FOOTING  
1" = 1'-0" S2.0



TYPICAL EQUIPMENT PAD SLAB  
1" = 1'-0" S2.0



**PRELIMINARY  
NOT FOR CONSTRUCTION**

PROJECT TEAM:  
CIVIL ENGINEER:  
AKS ENGINEERING & FORESTRY  
12965 SW Herman Road, Suite 100  
Tualatin, OR 97062  
P: 503.563.6151  
F: 503.563.6152  
STRUCTURAL ENGINEER:  
PETERSON STRUCTURAL ENGINEERS  
9400 SW Barnes Road, Suite 100  
Portland, OR 97225  
P: 503.292.1635  
MEP ENGINEER:  
MKE & Associates, Inc.  
6915 SW Macadam Ave, Suite 200  
Portland, OR 97219  
P: 503.892.1188  
OWNER:  
OMIC R&D / OREGON TECH.  
Procurement and Contract Services  
27500 SW Parkway Avenue  
Wilsonville, OR 97070  
OWNER'S REPRESENTATIVE:  
CRAIG CAMPBELL, Executive Director  
OMIC R&D  
33701 Charles T. Parker Way  
Scappoose, Oregon 97056  
503-983-0573

OMIC R&D - Building 2  
Additive Manufacturing Center  
33701 Charles T. Parker Way  
Scappoose, Oregon 97056

SCALE: AS SHOWN  
DRAWN BY: KTK  
CHECKED BY: EFL  
CAD FILE: -  
DATE: 08/06/2021

| REVISIONS |      |             |
|-----------|------|-------------|
| △         | DATE | DESCRIPTION |
|           |      |             |
|           |      |             |
|           |      |             |

CONTENTS:  
FOUNDATION  
DETAILS

SHEET NO:

**S2.0**

**EXHIBIT B**  
**TERMS AND CONDITIONS FOR GOODS**  
**PURCHASE ORDER TERMS AND CONDITIONS**  
**[Remainder of this page left intentionally blank]**



# OREGON INSTITUTE OF TECHNOLOGY ("OIT") – PURCHASE ORDER TERMS AND CONDITIONS

## 1. DEFINITIONS:

"Contractor" means the party named in the Purchase Order ("PO") with whom OIT has contracted for the purchase of goods or goods and services. The terms "Contractor" and "Seller" as used in the Uniform Commercial Code ("UCC")(Oregon Revised Statutes ("ORS") Chapter 72) are synonymous;

"Purchase Order" or "PO" means the entire written agreement between the parties, including these Purchase Order Terms and Conditions, and any other terms and conditions and agreements referenced on the face of the PO.

**2. DELIVERY:** Deliveries will be F.O.B Destination. Contractor shall pay all transportation and handling charges. Contractor is responsible and liable for loss or damage until final inspection and acceptance of the Goods. Contractor remains liable for latent defects, fraud, and warranties.

**3. INSPECTIONS:** OIT may inspect and test the Goods and related Services (collectively, "Goods") at times and places determined by OIT. OIT may reject non-conforming Goods and require Contractor to correct them without charge or deliver them at a reduced price, as negotiated. If Contractor does not cure any defects within a reasonable time, OIT may reject the Goods and cancel the PO in whole or in part. This paragraph does not affect or limit OIT's rights, including its rights under the UCC ORS chapter 72. Nothing in this paragraph is to in any way affect or limit OIT's rights as a Buyer, including the rights and remedies relating to rejection under ORS 72.6020 and revocation of acceptance under ORS 72.6080.

**4. PAYMENT:** OIT shall pay Contractor within 30 days from (i) the date the Goods are delivered and accepted or (ii) the date the accurate invoice is received, whichever is later. If OIT fails to pay within 45 days of such date, Contractor may assess overdue account charges up to a rate of 2/3% per month (8% APR) or the maximum rate allowed by law on the outstanding balance. (OAR 580-061-0050)

**5. OIT PAYMENT OF CONTRACTOR CLAIMS:** If Contractor does not pay promptly any claim that is due for Goods or Services furnished to the Contractor by any subcontractor in connection with this PO, the OIT may pay such claim and charge that payment against any payment due to the Contractor under this PO. OIT's payment of a claim does not relieve the Contractor or its surety, if any, from their obligations for any unpaid claims.

**6. WARRANTIES:** Contractor represents and warrants that the Goods are new, current, and fully warranted by the manufacturer, unless otherwise authorized by OIT. Delivered Goods will comply with specifications and be free from defects in labor, material and manufacture. All UCC implied and expressed warranties are incorporated in this PO. Contractor shall transfer all warranties to OIT.

**7. TERMINATION:** (i) The parties may terminate this PO by mutual agreement; (ii) OIT may terminate this PO at any time for convenience with written notice to Contractor. Upon receipt of the written notice, Contractor shall stop performance, and OIT shall pay Contractor for Goods or Services delivered and accepted. (iii) OIT may terminate this PO at any time if OIT fails to receive funding, appropriations, or other expenditure authority; (iv) If Contractor breaches any PO provision or is declared insolvent, OIT may terminate this PO for cause with written notice to Contractor, and Contractor shall be liable for all incidental and consequential damages resulting from its breach, including all damages as provided in the UCC.

**8. HOLD HARMLESS:** *Contractor shall indemnify, defend and hold harmless OIT the State of Oregon and its agencies, their divisions, officers, employees, and agents, from all claims, suits or actions of any nature arising out of or related to the activities of Contractor, its officers, subcontractors, agents or employees under this PO.*

**9. GOVERNING LAW, JURISDICTION, VENUE:** This PO shall be governed and construed in accordance with the laws of the State of Oregon, without regard to principles of conflicts of law. Any claim, action, suit, or proceeding between OIT and the Contractor that relates to this PO ("Claim") must be heard exclusively in the Circuit Court of Marion County for the State of Oregon. If the Claim must be brought in a federal forum, then it must be heard exclusively in the US District Court for the District of Oregon. Contractor consents to the in personam jurisdiction of these courts. *Neither this Section nor any other provision of this PO is a waiver by the State of Oregon of any form of defense, sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the US Constitution, or other immunity, from any Claim or from the jurisdiction of any court.*

**10. FORCE MAJEURE:** Neither party is responsible for delay or default caused by an event beyond its reasonable control. OIT may terminate this PO without liability to Contractor upon written notice after determining the delay or default reasonably prevents performance of this PO.

**11. ASSIGNMENT/SUBCONTRACT/SUCCESSORS:** Contractor shall not assign, transfer, or subcontract rights (Subcontract) or delegate responsibilities under this PO in whole or in part, without the prior written approval of OIT. This PO's provisions are binding upon and inure to the benefit of the parties to the PO and their respective successors and assigns.

**12. ACCESS TO RECORDS:** Contractor shall maintain all accounting records relating to this PO according to GAAP and any other records relating to Contractor's performance ("Records") for six (6) years from termination or as otherwise required. Contractor shall grant OIT, and the State of Oregon and its agencies, the Secretary of State Audits Division, the federal government, and their duly authorized representatives access to the Records, including reviewing, auditing, copying, and making transcripts.

**13. COMPLIANCE WITH APPLICABLE LAWS:** Contractor shall comply with all applicable federal, state and local laws, regulations, executive orders, and ordinances, as amended (Rules), including: (i) Titles VI and VII of Civil Rights Act of 1964; (ii) Sections 503 and 504 of the Rehabilitation Act of 1973; (iii) the Americans with Disabilities Act of 1990; (iv) Executive Order 11246; (v) The Age Discrimination in Employment Act of 1967, and the Age Discrimination Act of 1975; (vi) The Vietnam Era Veterans' Readjustment Assistance Act of 1974; (vii) ORS Chapter 659; (viii) all other applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations; (ix) all federal and state laws governing the handling, processing, packaging, storage, labeling, and delivery of food products; and (x) all regulations and administrative rules established pursuant to the foregoing laws.

**14. WORKERS' COMPENSATION:** Contractor shall comply with ORS 656.017 and provide the

required workers' compensation coverage, unless exempt under ORS 656.126(2). Contractor shall ensure that its Subcontractors, if any, comply with these requirements.

**15. SAFETY AND HEALTH REQUIREMENTS:** Contractor represents and warrants that the Goods comply with all federal and Oregon safety and health requirements.

**16. MATERIAL SAFETY DATA SHEET:** Contractor shall provide OIT with a Material Safety Data Sheet for any Goods which may release, or otherwise result in exposure to, a hazardous chemical under normal conditions of use (OAR 437-002-0360 and 29 CFR 1910.1020). Contractor shall label, tag or mark such Goods.

**17. RECYCLABLE PRODUCTS:** Unless otherwise required, Contractor shall use recycled and recyclable products to the maximum extent economically feasible in the performance of the PO.

**18. AMENDMENTS:** All amendments to this PO must be in writing, signed by OIT.

**19. SEVERABILITY:** If a court of competent jurisdiction declares any provision of this PO to be invalid, the other provisions and the rights and obligations of the parties remain in effect.

**20. WAIVER:** OIT's failure to enforce any provision of this PO is not a waiver or relinquishment by OIT of its rights to such performance in the future or to enforce any other provisions.

**21. AWARD TO FOREIGN CONTRACTOR:** If Contractor is not registered to do business or has no office in the State of Oregon, Contractor shall promptly provide to the Oregon Department of Revenue and the Secretary of State Corporation Division all information required by those agencies relative to this PO. OIT may withhold final payment under this PO until Contractor has met this requirement.

**22. TAX CERTIFICATION:** Contractor hereby certifies under penalty of perjury: (a) it is not subject to backup withholding because (i) it is exempt from backup withholding, (ii) it has not been notified by the IRS that it is subject to backup withholding as a result of a failure to report all interest or dividends, or (iii) the IRS has notified Contractor that it is no longer subject to backup withholding; and (b) per ORS 305.385(6) it is not in violation of any Oregon tax laws described in ORS 305.380(4).

**23. EXPORT CONTROL:** Contractor acknowledges that OIT has students and faculty who are foreign nationals who may work with services, product or technology received from Contractor pursuant to this PO. Contractor represents that it has informed OIT in writing, prior to acceptance of this PO if it is providing OIT any product or technology subject to the U.S. Export Administration Act of 1979, the Export Administration Regulations and the International Traffic in Arms Regulations, and if so, under what Commerce Control List number(s) or U.S. Munitions List Number(s) it is controlled.

**24. OIT NAME AND TRADEMARK:** Contractor shall not use names, marks or trademarks identifying OIT, or any department or office of OIT, or in any other way identify OIT without prior written approval from the OIT Office of Marketing and Communication.

**25. INSURANCE:** Contractor shall secure at its own expense and keep in effect during the term of the performance under this PO, general liability or professional liability insurance as deemed applicable by OIT with limits not less than one million dollars (\$1,000,000) per occurrence with an aggregate amount of \$2,000,000, unless otherwise specified in writing by OIT. If requested, Contractor shall provide proof of insurance of said insurance policy.

**26. ORDER OF PRECEDENCE:** This PO includes the documents listed below, which, in the event of any conflicts among them, must be interpreted in the following order of precedence: i) The solicitation document issued by OIT and its attachments and addenda, if any; and ii) this Purchase Order including its Terms and Conditions, Contractor's bid, proposal or quote. *In the event Contractor's bid, proposal or quote contains a requirement that its terms and conditions are superior to the above order of precedence, then Contractor acceptance of this PO constitutes a complete and absolute waiver of such requirement.*

**27. EMPLOYMENT STATUS AND CONFLICTS:** Contractor certifies that it is not currently employed by the federal government and it is not an employee of the Oregon University System. Contractor further certifies that it has not offered any gifts, financial incentive or other enticements to an OIT employee, an OIT employee relative as defined in ORS 244.020(15), or an employee's or relative's business in exchange for a contract.

**28. INDEPENDENT CONTRACTOR STATUS:** The services to be rendered under this PO are those of an independent contractor. Contractor is solely and entirely responsible for any applicable state and federal taxes applicable to this PO. Contractor's employees are not entitled to any of the benefits that OIT provides its employees.

**29. TRAVEL AND EXPENSE REIMBURSEMENT:** If any travel or expense reimbursement is authorized in this PO, OIT will only reimburse Contractor in accordance with the OIT Contractor Travel Reimbursement Policy, hereby incorporated by reference.

**30. INTELLECTUAL PROPERTY:** All inventions, discoveries, work of authorship, trade secrets or other tangible or intangible items and intellectual property rights created by Contractor pursuant to this PO, including derivative works and compilations, together the "Work Product", and whether or not such Work Product is considered a work made for hire or an employment to invent, shall be the exclusive property of OIT.

**31. TIME IS OF THE ESSENCE:** Contractor agrees that time is of the essence under this PO.

**32. MERGER:** THIS PURCHASE ORDER CONSTITUTES THE ENTIRE AGREEMENT BETWEEN THE PARTIES. THERE ARE NO UNDERSTANDINGS, ORAL OR WRITTEN, NOT SPECIFIED HEREIN REGARDING THIS PO. NO AMENDMENT, CONSENT, OR WAIVER OF TERMS OF THIS PO SHALL BIND EITHER PARTY UNLESS IN WRITING AND SIGNED BY ALL PARTIES. ANY SUCH AMENDMENT, CONSENT, OR WAIVER IS EFFECTIVE ONLY IN THE INSTANCE AND FOR THE SPECIFIC PURPOSE GIVEN.

|   |
|---|
| <p style="text-align: center;"><b>EXHIBIT C</b><br/><b>CERTIFICATIONS</b></p> |
|---|

By signature on this certification the undersigned certifies that they are authorized to act on behalf of the Bidder and that under penalty of perjury the undersigned will comply with the following:

**SECTION I. OREGON TAX LAWS**

The undersigned hereby certifies under penalty of perjury that the undersigned is authorized to act on behalf of Bidder and that Bidder is, to the best of the undersigned's knowledge, not in violation of any Oregon Tax Laws. For purposes of this certification, "Oregon Tax Laws" means a state tax imposed by ORS 320.005 to 320.150 and 403.200 to 403.250 and ORS chapters 118, 314, 316, 317, 318, 321 and 323 and the elderly rental assistance program under ORS 310.630 to 310.706 and local taxes administered by the Department of Revenue under ORS 305.620.

**SECTION II. AFFIRMATIVE ACTION**

The undersigned hereby certifies that they have not discriminated against Minority, Women or Emerging Small Business Enterprises in obtaining any required subcontracts, pursuant to Oregon Institute of Technology Policy Section 580-061-0030(3).

**SECTION III. COMPLIANCE WITH SOLICITATION**

The undersigned agrees and certifies that they:

1. Have read, fully understands and agrees to be bound by the Invitation to Bid and all Exhibits and Addenda to the Invitation to Bid; and
2. Are an authorized representative of the Bidder, that the information provided is true and accurate, and that providing incorrect or incomplete information may be cause for rejection of the Bid or Contract termination; and
3. Will furnish the designated item(s) and/or service(s) in accordance with the Invitation to Bid and the Contract; and

**SECTION IV. PERMISSIVE COOPERATIVE PROCUREMENTS**

If Bidder is awarded a contract from this Invitation to Bid, Bidder hereby (check one):

☐ Agrees      ☐ Disagrees

to offer the resulting contractual terms and prices to other public institutions.

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name (Type or Print): \_\_\_\_\_ Telephone: (\_\_\_\_) \_\_\_\_\_

Title: \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_ Company: \_\_\_\_\_

Address, City, State, Zip: \_\_\_\_\_

Construction Contractors Board (CCB) License Number (if applicable): \_\_\_\_\_

Business Designation (check one):

☐ Corporation   ☐ Partnership   ☐ LLC   ☐ Sole Proprietorship   ☐ Non-Profit  
☐ Minority Owned   ☐ Women Owned   ☐ Emerging Small Business

Oregon MWESB Certification Number: \_\_\_\_\_

Self-Identified Minority, Women or Emerging Small Business: ☐ Yes   ☐ No

|                                 |
|---------------------------------|
| <b>EXHIBIT D<br/>REFERENCES</b> |
|---------------------------------|

**REFERENCE 1**

Company: \_\_\_\_\_ Contact Name: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Goods or Services Provided: \_\_\_\_\_

---

**REFERENCE 2**

Company: \_\_\_\_\_ Contact Name: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Goods or Services Provided: \_\_\_\_\_

---

**REFERENCE 3**

Company: \_\_\_\_\_ Contact Name: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Goods or Services Provided: \_\_\_\_\_

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| <b>EXHIBIT E</b><br><b>BID PRICE FORM</b> |
|---|

Bid pricing response must be FOB Scappoose, Oregon and include all taxes, tariffs, and delivery costs

BID:

Date:

FOR THE LUMP SUM TOTAL: \$

Delivery Time after Receipt of Purchase Order:

Company: \_\_\_\_\_

Address, City, State, Zip: \_\_\_\_\_

Contact Name: Telephone: \_\_\_\_\_

Contact Title: \_\_\_\_\_ Email: \_\_\_\_\_

By: \_\_\_\_\_ Title: \_\_\_\_\_  
(Authorized Signature)