ADDENDUM NO: 03 – Tenant Improvement
MONTANA STATE UNIVERSITY NEW DINING HALL – Tenant Improvements

DATE: February 17, 2017
PROJECT: Montana State University New Dining Hall, PPA A/E #15-0103

GC/CONSTRUCTION MANAGER: Langlas Associates, 1019 E. Main Street, Bozeman, MT
ARCHITECT: Mosaic Architecture, 428 No. Last Chance Gulch, Helena, Montana 59601

TO: All plan holders of record

The above-numbered solicitation is amended as set forth below. Bidders/Offerors must acknowledge receipt of this amendment prior to the hour and date specified for receipt of bids/proposals, by completing the addendum acknowledgement on the form titled “Bid Proposal”.

Bid Package, Bid Form and Bidding Section

1) Bid Form. Replace bid form issued in Addendum 2 with revised bid form attached to this Addendum 3. Changed list of Curtainwall and Storefront applicable in Alternate #11.

CLARIFICATION: DRAWINGS AND SPECIFICATIONS

SPECIFICATIONS


3) Specifications: Section 08 8836.21 Change 1.01A to include the following curtain wall and storefront frames: CW-1, CW-4, CW-5, SF-1, SF-12.

4) Specifications: 10 3100 MANUFACTURED FIREPLACES, Part 3 3.02 Installation E. Ventilation Provided by Manufacture per mechanical plan

GENERAL CLARIFICATIONS

5) The 6” irrigation piping in the utility tunnel shall be modified as follows:

- Replace elbow fitting at node with 6x6x6 tee.
- Install butterfly isolation valve on outlet of tee.
- Route 6” irrigation piping through north wall of tunnel node, piping shall be 7’-0” minimum above floor. Seal penetration per tunnel drawing details.
• Install 1” tap with drain valve and cap immediately inside tunnel wall to allow seasonal drain down.
• Outside tunnel route 6” ductile iron irrigation piping to north and connect to piping sleeved under Harrison Street and running east-west along the south side of Harrison Street.
• At midpoint between tunnel and Harrison Street install 6x6x4 tee and cap 4” outlet for future connection to Dining Hall Irrigation system by others.
• Field verify all connection points with Owner, Architect and Engineers prior to starting work.
• Include all labor, materials and excavation required for complete scope of work routing.

6) Sheet A001 Signage: Disregard sign type D, replace with signage on attached drawings. Provide room signs in the following quantities:

REVISIONS: DRAWINGS AND SPECIFICATIONS

SPECIFICATIONS

7) Specifications: 10 3100 MANUFACTURED FIREPLACES, Part 3 3.02 Installation E. Ventilation Provided by Manufacture per mechanical plan routing

8) Revised Section 220000 “General Requirements of Plumbing and HVAC” to include submittal requirements for Section 238250 “Garbage can Washers”

9) Revised Section 221116 “Domestic Water Piping” to include Polypropylene Random (PP-R) piping and fittings.

10) Revised Section 232113 “Hydronic Piping” to include PVC piping and fittings.

11) Added Section 238250 “Garbage Can Washers”

DRAWINGS

12) Sheet M001 – Revised the “Energy Recovery Ventilator Schedule”

13) Sheet M101 – Added note to Garbage can washer in 0123GR Trash indicating the associated specification section for that equipment.

14) Sheet P001 – Revised the “Trap Primer Schedule”

15) Sheet P100 – Revised the sheet to indicate which floor drain and floor sinks are to have a trap primers and which electronic trap primer serves each floor drain or floor sink.
16) Sheet P102 - Revised the sheet to indicate which floor drain and floor sinks are to have a trap primers and which electronic trap primer serves each floor drain or floor sink.

17) Sheet P103 - Revised the sheet to indicate which floor drain and floor sinks are to have a trap primers and which electronic trap primer serves each floor drain or floor sink.

**GENERAL REVISIONS**

18) Provide Electrical connection to irrigation control panel at East side of building at centerline grid to landscaped area adjacent to east Corten wall. This line will have its own breaker that will be in Branch Panel L1a.

19) Provide signage with this count see attached cut sheets for signage types.

- A1: (23)
- A2: (3)
- B2: (3)
- B4: (3)
- B10: (3) (new Gender Neutral Restroom Sign – not in our old spec or catalog sim to b8)
- C1: (2)
- C5: (2)
- D1: (3) (assuming that the jamb of the elevator door has a floor number on it provided by manufacturer)
- E1: as needed modified for identifying room grouping on south side of finished basement
PRIOR APPROVALS

All material supplied to the project must meet or exceed the quality, performance, and have similar features to the product originally specified. It is the contractor’s responsibility to ensure that substituted equipment matches the exterior dimensions, weight, and configuration of the specified equipment.

Signage

All to substitute manufacture to Gemini

Mechanical

- Section 233300 “Air Duct Accessories”
  - Ruskin is an approved manufacturer of Duct Mounted Access Doors.
- Section 238230 “Propeller Unit Heaters”
  - Zehnder-Rittling is an approved manufacturer of Hot Water Unit Heaters.
- Section 238231 “Heaters”
  - Kampmann is an approved manufacturer of Linear Unit Heaters.
- 220548 “Vibration and Seismic Controls”
  - Mason is an approved manufacture for vibration and seismic controls.
- 221429 “Sump Pumps”
  - Barnes is an approved manufacturer of sump pumps
- 232116 “Hydronic Piping Specialties”
  - John Wood is an approved manufacturer of automatic glycol feeders
- 233114 “Transpired Solar Collectors”
  - ATAS International Inspire Wall is an approved product/manufacturer.
- 233300 Air Duct Accessories
  - Nailor is an approved manufacturer of Louvers
- 233425 “Mechanical Dryer Venting Systems”
  - Systemaire is an approved manufacturer of dryer venting systems.
- 233713 “Grilles Registers and Diffusers”
  - Nailor is an approved manufacturer of grilles registers and diffusers.
  - Air Concepts is an approved manufacturers for Supply Diffusers SD-4 & SD-5.

Lighting: See attached document of prior approvals for light fixtures.

Electrical Comments

- Type D4: Provide with 1500 lumens.
- Type T1: Electrically, we would prefer the Apollo fixture. This would match the 3500K temperature with the other fixtures in the area.
- All Light Controls Approved
BID FORM
MONTANA STATE UNIVERSITY NEW DINING HALL – Tenant Improvement
Bozeman, Montana

BID PACKAGE: ____ Each bid package requires a separate bid form

PACKAGE DESCRIPTION: _____________________________________________________

Submitted By: ____________________________________________ Date: __________________

To: Langlas & Associates, Inc.
C/O Montana State University
1019 E. Main St, Suite 101
Bozeman, MT 59715

We, the undersigned Bidder, having carefully read the Documents for the proposed contract, including the General Conditions, Supplemental Conditions, Specifications, Drawings, addendums, schedule, and bid scopes and having carefully ascertained the conditions under which the work is to be performed, hereby bid and offer to enter into a Contract to perform the Work as described in accordance with the Documents. We are bidding the entire Bid package as noted above and provide a bid for the entire bid scope as noted in the documents for the price of:

Base Bid:

__________________________________________________________________________ Dollars. $_________________

Cost to Provide 100% Performance and Payment Bond (Add) $_________________

1% Montana Gross Receipts Tax will be deducted from all subcontractor payments and the subcontractor can apply for a tax credit for the 1% with the State of Montana.

Please provide pricing for each of the alternates listed below.

Alternate #1: 07 4264 Wood Grain Aluminum Soffit - Change exterior soffit material from specified Mayne Longboard aluminum planks to Sagiper Sagirev 6” wood grain PVC planks (deduct):

__________________________________________________________________________ Dollars $_________________

Alternate #2: Mezzanine Fireplace - Delete fireplace and corten surround. Revise surround wall as shown on plan. Provide power and tv outlet in wall (deduct):

__________________________________________________________________________ Dollars $_________________

Alternate #3: Delete Space Divider Walls - Delete two dividing walls in Dining 0101FF, just north of grid D, from grids 3 to 4. See finish plans notes (deduct):

__________________________________________________________________________ Dollars $_________________

Alternate #4: Round Booths - Delete both round booth groupings. See sheet A714 for booth groupings (deduct):

__________________________________________________________________________ Dollars $_________________
Alternate #5: Exterior Table and Bench - Delete table/bench unit. Delete steel framing, wood decking, steel seats. Concrete wall is NOT to be deleted (deduct):  

_________________________________________________________________

Dollars $_________________

Alternate #6: Forge (Smoker Servery) Wood Storage Unit - Delete wood storage unit (deduct):  

_________________________________________________________________

Dollars $_________________

Alternate #7: Corian Countertops at Beverage and Breakfast bar - At all locations called out as QTZ1 (Zodiac Cloud White), change quartz countertops to Dupont Corian Arrowroot (deduct):  

_________________________________________________________________

Dollars $_________________

Alternate #8: Corian Countertops at Serveries - At all locations called out as QTZ2 (Zodiac Mystic Black), change quartz countertops to Dupont Corian Deep Night Sky (deduct):  

_________________________________________________________________

Dollars $_________________

Alternate #9: Roof Pavers - Delete north section of pavers as indicated on plans (deduct):  

_________________________________________________________________

Dollars $_________________

Alternate #10: West Elevation Siding - Replace standing seam siding with flat Corten (A606 steel) panels with sub-girt system, trim, flashing and fasteners to match flat Corten siding on north and east elevations (add):  

_________________________________________________________________

Dollars $_________________

Alternate #11: East Glazing - Replace Solarban 70XL with Electrochromic Tintable Glass as specified in 08 8836.21 in the following curtainwall and storefront sections: CW1, CW4, CW5, SF1, and SF12. Bid to include glass, internal wiring, frame cables, terminal box, wiring from terminal box to controller (in upper level mechanical room), light sensors (assume 6), and manual switches (assume 6), controller panel, set-up, software and other components required for a complete system. Bid does NOT include providing conduit for control wiring or power to the controller panel/unit (add):  

_________________________________________________________________

Dollars $_________________

Alternate #12: Exposed Downspout Material - Provide seamless copper pipe in lieu of PVC pipe for exposed downspouts. Copper to be primed and painted to match columns. (add):  

_________________________________________________________________

Dollars $_________________

Alternate #13: Elevator #3 - Provide and install elevator #3. Provide Bussman Controller as shown on 6/E003, provide conductors and breakers. Provide powered j boxes for controls and lighting and all other electrical and data connections required for a complete, tested, and functioning elevator (add):  

_________________________________________________________________

Dollars $_________________

PERIOD OF ACCEPTANCE:
The Bidder agrees that this bid shall remain open for acceptance and the price shall remain and unchanged and notwithstanding any error in the Bid at the amount stated for a period of sixty (60) days from the date of closing of this bid.

**CONTRACT:**

The Bidder agrees that the Bid is subject to a formal AIA Contract being prepared and executed with the Construction Manager.
The bidder agrees to execute the Contract within 7 days of notification of the acceptance of his bid and to provide Certificates of Insurance including Worker’s Compensation Insurance.

The Bidder shall furnish 100% performance and Payment Bonds, if required by the Construction Manager. Cost of said bonds is listed as a bid item to the base bid above. Alternates will be adjusted based upon the percentage stated.

**Unit Prices: (FOR ACCOUNTING PURPOSES ONLY FOR CHANGES TO PLANS AND SPECS)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit Price</th>
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<tbody>
<tr>
<td>3” R-10 Mineral Fiber Panels</td>
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**ADDENDA:**

Addendum No. ____________ Dated __________
Addendum No. ____________ Dated __________
Addendum No. ____________ Dated __________
Addendum No. ____________ Dated __________

**SUBMITTED BY:**

Company: ________________________________

Name of Bidder: _________________________
Signature of Bidder: ____________________
Dated: _________________________________
MT License No: __________________________
Phone No: _______________________________
Fax No: _________________________________
Email: _________________________________

Your signature above constitutes your understanding of the scope of work and existing conditions of the project. This bid is complete per the documents.

**ATTACHMENTS TO BE INCLUDED WITH BID FORM:**
Attachment A – Copy of Bid Package that subcontractor is submitting this price for consideration.
Attachment B – Clarifications and Qualifications – Include any clarifications or qualifications of bid proposal.
These clarifications and qualifications shall only be provided for information only and may or may not influence the award.

END OF BID FORM
INTERIOR PANEL SIGN
TYPE: A1

NOTE: RAISED COPY LETTERING TO BE FRANKLIN GOTHIC BOOK.
NOTE: CORNER FILLETS TO BE 1/16" (TYPICAL).

APPLY DOUBLE SIDED VINYL TAPE ON LEFT AND RIGHT EDGES OF SIGN EXTEND FROM TOP TO BOTTOM AS SHOWN.

1/16" ACRYLIC BACKER PLATE MATCH RAISED BORDER COLOR.

1/8" (3 PLY) MF PLASTIC

BACKGROUND WHITE 225

RAISED BRAILLE ARCH GRAY 3279

1/32" RAISED COPY ARCH GRAY 3279

BACKGROUND WHITE 225

RAISED BORDER ARCH GRAY 3279

3/8"

3/8"

3/8"

3/8"

A

A

SECTION A-A

0.7 x SCALE

10431
SPEC. SECTION

2007
DATE
INTERIOR PANEL SIGN
TYPE: A2

FACILITIES PLANNING, DESIGN AND CONSTRUCTION
A2-SHOP - Interior Panel Signs - Master Set.dwg - Issued Sep 22, 2009
INTERIOR PANEL SIGN
TYPE: B2

FACILITIES PLANNING, DESIGN AND CONSTRUCTION
B2-ISO - Interior Panel Signs - Master Set.dwg - Issued Sep 22, 2009
INTERIOR PANEL SIGN
TYPE: B2

FACILITIES PLANNING, DESIGN AND CONSTRUCTION

0.6 x SCALE

10431
SPEC. SECTION

2007
DATE
WOMEN
INTERIOR PANEL SIGN
TYPE: B4

FACILITIES PLANNING, DESIGN AND CONSTRUCTION
B4-SHOP - Interior Panel Signs - Master Set.dwg - Issued Sep 22, 2009
INTERIOR PANEL SIGN
TYPE: B8

FACILITIES PLANNING, DESIGN AND CONSTRUCTION
B8-SHOP - Interior Panel Signs - Master Set.dwg - Issued Sep 22, 2009
STAIR S1
STAIR S1

NOTE: RAISED COPY LETTERING TO BE FRANKLIN GOTHIC BOOK
NOTE: CORNER FILLETS TO BE 1/8" (TYPICAL)

INTERIOR PANEL SIGN
TYPE: C1

FACILITIES PLANNING, DESIGN AND CONSTRUCTION
C1-SHOP - Interior Panel Signs - Master Set.dwg - Issued Sep 22, 2009
STAIR
LEVEL 1

INTERIOR PANEL SIGN
TYPE: C2

FACILITIES PLANNING, DESIGN AND CONSTRUCTION
C2-PLAN - Interior Panel Signs - Master Set.dwg - Issued Sep 22, 2009
ELEVATOR LEVEL 1
ELEVATOR
LEVEL 1
NOTE: RAISED COPY LETTERING TO BE FRANKLIN GOTHIC BOOK.
NOTE: CORNER FILLETS TO BE 1/8" (TYPICAL).
Good signs are good for business.
You've invested time in developing a quality product. You've set up shop in a prime location. Now how are you going to get customers to notice you? While a user-friendly website and an engaging advertising campaign will certainly drive traffic, they can also drive up costs. Your most cost-effective and hardest working marketing element is often also the most overlooked - an attractive and creative sign.

The investment to create an exceptional sign doesn't have to be large. In fact, great signs are no more expensive than drab, ineffective ones. When you consider your sign is often the first impression that potential customers will have for your business, it makes sense to do it right. Along with your sign professional, Gemini can provide a face for your company that will set you apart from the competition.

For nearly 50 years Gemini has been creating high-quality, innovative, and affordable signage products. We believe in the quality of our products and we want our customers to share that belief. For that reason, Gemini offers a Lifetime Guarantee on all of our superior products. Should your letters or logos chip, crack or fade, we will replace the product at no charge.
CAST METAL

All cast metal letters provided with a lifetime guarantee.
All cast metal letters provided with a lifetime guarantee

BEAUTIFUL DURABILITY

• Unmatched letter depth
• Lead and mercury free
• Extensive variety of finishes done by hand
• Less expensive for the dimension than flat cut metal
6000 Years of Experience

Casting metal is a practice that has been carried out for thousands of years. The oldest known casting is a copper frog that dates back to 3200 BC. While Gemini hasn't been making cast letters for quite that long, we do take the process and refine it by using only the highest-quality metals available. In addition, the metals are all lead and mercury free and all trim is recycled.

From the moment the molten metal is poured until the letter or logo is hand-finished using one of our many finish options, your project is carried out with exceptional attention to detail. While Gemini offers a wide variety of standard letter styles, we realize your project is unique. If you have a custom style or logo in mind we can work with you to make your finished product match your vision.

Gemini’s cast letters provide a sense of permanency and depth that is unmatched by other letter options. Their distinguished, classic look is backed by a Lifetime Guarantee.
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<tr>
<th>Type</th>
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will be black/bronze trim
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<td>TECH ALVA SERIES</td>
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<td>P2</td>
<td>Original Cast Ltg TBI2-P1EA-50&quot;-GW-NFA-1LD48/35K-277-OAL/252&quot;-DMO</td>
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<td>VISA CP4341 SERIES</td>
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<td>Not long enough. 23&quot; not deep enough</td>
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<td>ANP Lighting ORB16-MO21LD-D-W-35K-RTC-BLC</td>
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## MAKE-UP AIR HANDLING UNIT SCHEDULE

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<th>MAKE-UP UNIT</th>
<th>VOLUME AIR</th>
<th>MAX. CFM</th>
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<th>EAT DB/WB</th>
<th>EER</th>
<th>SENSIBLE</th>
<th>WATER LOAD</th>
<th>EAT/LAT (°F)</th>
<th>WPD (BTU/HR)</th>
<th>EWT/LWT (°F)</th>
<th>VOLTAGE</th>
<th>PHASE</th>
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- **Notes:**
  - PROVIDE UNIT COMPLETE WITH RELAY TO ALLOW CONTROL BY THE BUILDING MANAGEMENT SYSTEM.
  - SURFACE MOUNTING FRAME AND ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
  - PROVIDE HOOD COMPLETE WITH VAPOR PROOF LIGHT FIXTURE.

## ENERGY RECOVERY VENTILATOR SCHEDULE

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## CLOTHES DRYER BOOSTER FAN SCHEDULE

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## ELECTRIC WALL HEATER SCHEDULE

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## GAS FIRED INFRARED TUBE HEATER SCHEDULE

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## WATER TO AIR HEAT PUMP SCHEDULE (R-410a)

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- **Notes:**
  - PROVIDE UNIT COMPLETE WITH RELAY TO ALLOW CONTROL BY THE BUILDING MANAGEMENT SYSTEM.
### Sanitary Sewer Service Sizing Table

<table>
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<tr>
<th>Item</th>
<th>Description</th>
<th>Max. Flow Rate</th>
<th>HTG/CLG COP</th>
<th>Remarks</th>
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### Domestic Water Service Sizing Table

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<th>Item</th>
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<th>Max. Flow Rate</th>
<th>HTG/CLG COP</th>
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### Domestic Hot Water Heat Pump Schedule

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<th>Item</th>
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<th>Weight (lb)</th>
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### Recirculation Pump Schedule

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### Domestic Hot Water Thermal Storage Tank Schedule

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### Smart Metering

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### Trap Primer Schedule

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### Site Elevation Notes

- [Note A]
- [Note B]
- [Note C]
GENERAL PLUMBING NOTES

A.) IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FIELD COORDINATE THE LOCATION OF EQUIPMENT AND ROUTING OF PIPING WITH ALL OTHER TRADES.

B.) IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO REVIEW DRAWINGS FOR ALL DISCIPLINES AND PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.

C.) PROVIDE AND INSTALL SEISMIC BRACING FOR ALL EQUIPMENT AND PIPING PER THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

E.) SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED ASSEMBLIES WITH A UL APPROVED FIRE STOP SYSTEM.

F.) ALL BELOW SLAB VENT PIPING SHALL BE 2" MINIMUM.

G.) PROVIDE HAMMER ARRESTORS WITH ISOLATION VALVES FOR ALL FLUSH VALVE TYPE FIXTURES AND QUICK CLOSING VALVES.

H.) PROVIDE AND INSTALL TRAP SEALS FOR ALL FLOOR DRAINS AND FLOOR SINKS. INSTALL TRAP PRIMER IN A RECEDED VALVES BOX IN AN ACCESSIBLE LOCATION.

I.) PROVIDE ACCESS DOOR FOR INSPECTION AND SERVICE OF EQUIPMENT AND VALVES INSTALLED ABOVE NON-REMOVABLE CEILINGS.

J.) INSTALL ALL ACCESSIBLE PLUMBING FIXTURES IN COMPLIANCE WITH ADA REQUIREMENTS. INSULATE ALL EXPOSED PIPING BELOW ADA ACCESSIBLE FIXTURES.

K.) INSTALL FLOOR DRAIN STRAINERS FLUSH AND LEVEL WITH FINISHED FLOOR.

L.) INSTALL DRAIN PANS BELOW SANITARY AND VENT PIPING THAT IS ROUTED ABOVE FOOD STORAGE AREAS, ELEVATOR EQUIPMENT ROOMS OR ELECTRICAL EQUIPMENT.

M.) PROVIDE 1-1/2" DRAINAGE PIPING AND DRAIN PANS WHERE APPROPRIATE.

N.) PROVIDE 1-1/2" DRAINAGE PIPING AND DRAIN PANS WHERE APPROPRIATE.

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