ADDENDUM NO. 1
May 9, 2018

To the Plans and Specifications for: Pioneer School of the Arts Gymnasium Addition
West Ada School District
1303 E Central Drive
Meridian, ID 83642

TO ALL CONTRACTORS SUBMITTING BIDS ON THE ABOVE SUBJECT: This Addendum is hereby made a part of the Contract Documents pertaining to the above project and shall be binding upon each contractor submitting bids. Bid submitted shall be for the full and complete cost of incorporating these changes into the contract – no further claims shall be allowed for work associated with this addendum. It shall further be the responsibility of each Contractor to notify his subcontractors and suppliers concerning the contents of this addendum as they specifically apply to them. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

CONTRACT DOCUMENTS

1-1 Plan holders will be allowed to mark changes made by addendum in their Bid Sets. Marks must be made in erasable red pencil only. Only changes made by addendum may be marked in bid sets.

1-2 Anyone bidding this job is to bid based on these drawings and project manual only. Any changes in materials, procedures, workmen, etc. that have been allowed on other jobs by the office of Design West Architects or [Construction Manager] have no bearing on this job. Bid plans and specifications only.

1-3 When a stage or portion of construction requires inspection by Inspectors, the Contractor shall be responsible to personally notify the Inspectors.

GENERAL NOTES/CLARIFICATIONS

1-4 Electronic files of drawing sheets will be made available to awarded contractors in PDF format free of charge upon request.

1-5 CAD files will be made available to awarded contractors for an administrative fee of $50 plus $10 per drawing sheet/CAD file. The drawings will be released upon receipt of payment and a signed Electronic Media Indemnity and Hold Harmless Agreement, available from the Architect upon request.

1-6 Refer to specifications section 07 21 19 where architectural details reference insulation at door frames.

1-7 The geotechnical report for this project is available upon request from the Construction Manager.

CHANGES TO SPECIFICATIONS

1-8 SECTION 04 21 00 CLAY UNIT MASONRY

1-8.A Revise Part 2.1 – Manufacturers | 2.1 | C.
   C. Acceptable Manufacturers – Mortar Color:

1-8.B Add Part 2.1 – Manufacturers | 2.1 | D.
   D. Substitutions: Under provisions of Division 01. Proposed substitutions must provide color match for existing masonry veneer and blending. Substitutions must provide exact color match to selected product colors identified in part 3.5 SCHEDULE.

1-8.C Revise Part 3.5 – SCHEDULE | 3.5 | C.
1-9 SECTION 07 21 19 FOAMED IN PLACE INSULATION
Add attached specification section in its entirety.

1-10 SECTION 08 14 00 WOOD DOORS
1-10.A Revise Part 2.1 – Manufacturers | 2.1 | A.
   A. Acceptable Manufacturers:

1-10.B Revise Part 2.1 – Manufacturers | 2.1 | B.
   B. Substitutions: Under provisions of Division 01. Proposed substitutions must provide
      exact color match to selected product colors identified in part 3.9 SCHEDULE.

1-10.C Remove Part 2.1 – Manufacturers | 2.1 | C, D, E, F, G, & H.

1-10.D Add Part 3.9 – Schedule | 3.9 | B.
   B. Door Finish is Maple, Stain color is ‘Toast 28-95’. Final color approval by Architect.

1-11 SECTION 09 24 00 CEMENT PLASTERING
   B. Acceptable Manufacturers:
      1. Dryvit. (www.dryvit.com).

   B. Substitutions: Under provisions of Division 01. Proposed substitutions must provide
      exact color match to selected product colors identified in part 3.9 SCHEDULE.

1-11.C Remove Part 2.1 – Manufacturers | 2.1 | B | 3.

1-11.D Add Part 3.8 – Schedule | 3.9 | A.
   A. Stucco color to be ‘Oyster Shell 456’. Final color approval by Architect.

1-12 SECTION 09 65 00 RESILIENT FLOORING
1-12.A Revise Part 2.1 – Manufacturers | 2.1 | A.
   A. Contract Documents are based on Sheet Vinyl Flooring products by:
      2. Product: Connection Corlon

1-12.B Revise Part 2.1 – Manufacturers | 2.1 | B.
   B. Substitutions: No Substitutions

1-12.C Remove Part 2.1 – Manufacturers | 2.1 | C.

1-13 SECTION 09 65 13 RESILIENT BASE AND ACCESSORIES
   A. Acceptable Manufacturers:


1-13.C Add Part 2.1 – Manufacturers | 2.1 | B.
   B. Substitutions: Under provisions of Division 01. Proposed substitutions must provide
      exact color match to selected product colors identified in part 3.3 SCHEDULE.

1-13.D Revise Part 3.3 – Schedule | 3.3 | A.

1-14 SECTION 09 91 00 PAINTING
   10. Sealer to be applied to clay masonry unit construction.

   3. Clay Masonry Units – Decorative, Integral Color:
      a. Two coats: Block Guard Control II applied per manufacturer’s application
         instructions.

1-15 SECTION 10 11 23 TACKBOARDS
1-15.A Revise Part 2.1 – Manufacturers | 2.1 | D.
   D. Substitutions: Under provisions of Division 01. Proposed substitutions must provide
      exact color match to selected product colors identified in part 2.2 MATERIALS.


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1-16 SECTION 10 14 00 SIGNAGE
   A. Best Manufacturing, Inc. (www.bestmanufacturinginc.com).

1-16.B Remove Part 2.1 – Manufacturers | 2.1 | A | 2 & 3.

1-16.C Revise Part 2.1 – Manufacturers | 2.1 | B.
   B. Substitutions: Under provisions of Division 01. Proposed substitutions must provide
      exact color match to selected product colors identified in part 3.9 SCHEDULE.

1-16.D Revise Part 3.9 – Manufacturers | 3.9 | H.
   H. Sign colors to be ‘Stormy Blue MP25837’ (background) and ‘White 951’ (Lettering). Final
      color approval by Architect.

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1-17 SECTION 11 66 23 GYMNASIUM EQUIPMENT
   B. Acceptable Manufacturers:

   B. Substitutions: Under provisions of Division 01. Proposed substitutions must provide
      exact color match to selected product colors identified in part 3.9 SCHEDULE.

1-17.C Remove Part 2.1 – Manufacturers | 2.1 | B | 3, 4, & 5.

1-17.D Revise Part 3.9 – Manufacturers | 3.9 | A.
   A. Wall pads to be ‘Navy Blue’. Final color approval by Architect.

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1-18 SECTION 12 21 13 HORIZONTAL LOUVER BLINDS
1-18.A Revise Part 2.1 – Manufacturers | 2.1 | A.
   A. Acceptable Manufacturers:
         Product: Classics

1-18.B Revise Part 2.1 – Manufacturers | 2.1 | B.
   B. Substitutions: Under provisions of Division 01. Proposed substitutions must provide
      exact color match to selected product colors identified in part 3.9 SCHEDULE.


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1-19 SECTION 27 51 16 PUBLIC ADDRESS SYSTEMS
Replace section in its entirety.

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CHANGES TO DRAWINGS

1-20 SHEET A3.32 FLOOR FINISH & CEILING PLANS
Drawing A1 – Revise control joint locations per ADD-01-03 & ADD-01-04.

1-21 SHEET A8.02 DETAILS
Drawing G1 – Revise downspout size to 4”x4” per ADD-01-02.

1-22 SHEET A8.04 DETAILS
Drawing G11 – Revise chair rail wood species to Maple per ADD-01-01.

1-23 SHEET S0.01 GENERAL STRUCTURAL NOTES
1-23.A Revise Masonry Veneer note 5 to say “…angles shall be galvanized at all exterior conditions…”.
1-23.B Revise Structural Steel note 5 to say “…angles shall be galvanized at all exterior conditions…”.

1-24 SHEET S1.01 FOOTING & FOUNDATION / ROOF FRAMING PLAN
1-24.A Revise Roof Framing Plan Note 3 to say “All roof openings greater than, or equal to, 12” x 12” shall be framed as indicated in details 1/S5.11 and 6/S5.11. For openings which cut less than two deck flutes, see detail 3/S5.11” per S02.
1-24.B Revise Roof Framing Plan Note 6 to say “Verify size, weight, and location of all roof top mechanical units with architectural and mechanical drawings. Coordinate openings with mechanical, electrical, and general contractors” per S02.

1-25 SHEET S5.11 ROOF FRAMING DETAILS
1-25.A Revise Detail 1/S5.11 as per S03A & S03B
1-25.B Detail 2/S5.11 is NOT USED as per S04.
1-25.C Revise Detail 6/S5.11 as per S05.

1-26 SHEET E2.00 – ELECTRICAL DEMO & LIGHTING FLOOR PLANS
1-26.A Detail A7 – Lighting Floor Plan
1-26.A.1 The exterior light fixture located near grid lines A & 5 is revised to be a type WP2 fixture instead of a type WP1 fixture.
1-26.A.2 Added a circuit for the storage room and classroom lighting. Refer to sketch ESK-1.
1-26.A.3 Revised the circuit serving the lighting in Gymnasium 106. Refer to sketch ESK-1.
1-26.A.4 Eliminated the circuit serving the time-based lighting control system contactors, identified by Keyed Note 2. Refer to sketch ESK-1.

1-27 SHEET E4.00 – POWER & SPECIAL SYSTEMS FLOOR PLANS
1-27.A Detail A1 – Power Floor Plan: The circuit serving the door electromagnetic locking system at Vestibule 100, identified by Keyed Note 22, is revised to be circuit LG-49 instead of G-26.
1-27.B Detail A7 – Special Systems Floor Plan: Revised the Keyed Note applied to the conduit routed from the structure in Gymnasium 106 to data rack IDFG to be #38. Refer to sketch ESK-2.

1-28 SHEET E6.00 – ELECTRICAL SCHEDULES.
1-28.A Detail E1 – Light Fixture Schedule: The mounting height of the type WP1 fixture is revised to 10’-0” instead of 13’-6”.

END OF ADDENDUM NO. 1

ATTACHMENTS:
Section 07 21 19 Foamed In Place Insulation
Section 27 51 16 Public Address Systems
ADD-01-01
ADD-01-02
ADD-01-03
ADD-01-04
S02
S03
S04
S05
ESK1
ESK2
SECTION 072119

FOAMED-IN-PLACE INSULATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Foamed-in-place insulation at exterior hollow metal doorframes.

B. Related Sections:
   1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

A. ASTM International (ASTM):

C. 2010 Americans with Disabilities Act (ADAAG).

1.3 SUBMITTALS

A. Submittals for Review:
   1. Product Data: Provide product description, insulation properties, and preparation requirements.

B. Quality Control Submittals:
   1. Certificates of Compliance: Certification from an independent testing laboratory that insulation meets fire hazard classification requirements.

1.4 QUALITY ASSURANCE

A. Applicator Qualifications: Minimum two (2) years documented experience in work of this Section.

B. Fire Hazard Classification: Maximum flame spread/smoke developed rating of 25/450 tested to ASTM E84.

1.5 PROJECT CONDITIONS

A. Do not install insulation when ambient temperature is below 70 degrees F.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
   1. Core Foam. (www.cffoam.com)
   2. Demilec USA (www.demilecusa.com)
3. NCFI Polyurethanes. (www.ncfi.com)
4. Polymaster, Inc. (www.polymaster.com)
5. Thermal Corp. of America. (www.thermcofoam.com)

B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 MATERIALS

A. Foamed-In-Place Insulation:
   1. Type: Two component, plastic resin and catalyst, cold setting foam.
   2. R-value: Minimum 3.8 per inch at 75 degrees F, tested to ASTM C177 or ASTM C518.
   3. No CFC or HCFC emissions and total formaldehyde emissions less than 1 percent, cured for 7 days and tested to ASTM D5116 for 24 hours.

2.3 ACCESSORIES

A. Fire Barrier:
   1. Surface burning characteristics: Class I, tested to ASTM E84.

PART 3 - EXECUTION

3.1 PREPARATION

A. Protect adjacent surfaces from accidental application.
B. Drill access holes in mortar joints at spacings required by Manufacturer.

3.2 APPLICATION

A. Apply insulation in accordance with Manufacturer's instructions.
B. Apply insulation by froth method, to uniform monolithic density without voids.
C. Apply insulation to maximum lift thickness recommended by Manufacturer, then allow heat to dissipate before applying additional lifts.
D. Apply fire barrier to insulation in accordance with Manufacturer’s instructions.
E. Patch access holes with mortar; finish flush with adjacent surfaces.

3.3 ADJUSTING

A. Patch damaged areas.

3.4 FIELD QUALITY CONTROL

A. Testing and Inspection Services:
   1. Visually inspect installed insulation for:
      a. Uniform application.
      b. Adhesion.
      c. Shrinkage.
      d. Gaps, voids, and physical damage.

END OF SECTION 072119
PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes equipment for public address and sound systems.

B. This Section includes equipment for clock systems.

1.2 DEFINITIONS

A. Channels: Separate parallel signal paths, from sources to loudspeakers or loudspeaker zones, with separate amplification and switching that permit selection between paths for speaker alternative program signals.

B. Zone: A separate group of loudspeakers and associated supply wiring that may be arranged for selective switching between different channels.

C. System shall be a centrally controlled master time system, UL listed

1.3 WORK INCLUDED

A. System Functions: Include the following:

1. Amplifiers
2. Ceiling speakers
3. Suspended speakers
4. Equipment Racks
5. VOIP Interface Units
6. Wiring for Equipment and final connection of speakers
7. Test, operational and demonstration of system operation.

1.4 SUBMITTALS

A. The submittal package shall include the following, grouped by system location (i.e. Gymnasium, commons, etc.):
1. Installer and supplier qualifications.

2. A list of components and quantities for each piece of equipment.
   a. Include documentation of all IP Devices MAC addresses, device type, and horizontal cabling label information.

3. Product data for each piece of equipment in order matching the list of components.

4. Indicate the specific product part number and options if more than one is listed in the data.

5. Shop Drawings: Detail equipment assemblies and indicate dimensions, weights, required clearances, method of field assembly, components, and location of each field connection. Include control panel layouts, rack layouts and wiring diagrams for each system.

6. Maintenance data, where applicable.

7. Warranty information.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who is an authorized representative of equipment manufacturer for both installation and maintenance of equipment required for this section.

B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in the NEC, Article 100, by a testing agency acceptable to authorities having jurisdiction.

C. Comply with the NEC.

D. Comply with UL 50.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: As indicated in section 2.2 for each system.

2.2 SYSTEMS AND COMPONENTS

A. CLOCK SYSTEMS: Advanced Network Devices
   1. IP hallway Double sided clock, IPCDS-RWB.
   2. Bathrooms: Single sided clock, IPCSS-RWB
3. Zone Controllers: ZONEC2

4. Gym/Auditorium: IPSIGNL-RWB

5. Classroom speaker clock combination unit. IPSWD-RWB

6. Classroom speaker clock back boxes shall be provided by the clock manufacturer. IPS-SM1

7. All clocks shall be equipped to operate with and be synchronized by the network server.

8. All clocks shall be grounded per the manufacturer’s instructions and the NEC.

B. PUBLIC ADDRESS SYSTEM:

PA system shall be Berbee Informacast IP paging system.


10. Equipment: Modular type, using solid-state components, fully rated for continuous duty, unless otherwise indicated. Select equipment for normal operation on input power usually supplied at 110 to 130 V, 60 Hz.

Analog Speaker Zones

11. Amplifiers: Bogen CC4021 series power amplifier, 70v output, 40W with rack mounting kit RPK93. Provide quantity as required for system operation plus 25% spare capacity.

   a. Each zone will require an adequate Bogen amplifier reserving 25% spare capacity.

   b. Use only shielded audio wire for all analog zone cabling.

   c. Provide zone controllers for each analog zones: Advanced Network Device ZONEC2

   d. Analog speakers, 70volt with volume control

      i. Analog Bogen Speaker: S86T725PG8UVR

      ii. Tile bridge: TB8

      iii. Ceiling Speaker Enclosure: RE84

IP Speaker Zones


13. Hallway IP Surface speakers: Advanced Network Devices IPCDS-RWB, Provide quantity as indicated on plans.
8. Equipment Rack: Comply with EIA-310-D. House amplifiers and auxiliary equipment in standard EIA 19-inch racks with the telecommunications equipment.
   a. Group items of same function together, either vertically or side by side, and arrange controls symmetrically.
   c. Arrange all inputs, outputs, interconnections, and test points so they are accessible at rear of rack for maintenance and testing, with each item removable from rack without disturbing other items or connections.
   d. Blank Panels: Cover empty space in equipment racks so entire front of rack is occupied by panels.
   e. Enclosure Panels: Ventilated rear and sides and solid top. Use louvers in panels to ensure adequate ventilation.
   g. Power-Control Panel: On front of equipment housing, with a master power on/off switch and pilot light, and socket for a 5-A, indicating, cartridge fuse for rack equipment power.
   h. Service Light: At top rear of rack and control by an adjacent switch.
   i. Vertical Plug Strip: Grounded receptacles, 12 inches on center the full height of rack, to supply rack-mounted equipment.
   j. Maintenance Receptacles: Duplex convenience outlets supplied independent of equipment plug strip and located in front and bottom rear of rack.
   k. Spare Capacity: 20 percent spare space capacity in rack for future equipment.

9. Cable and Conductors: Jacketed, twisted-pair and twisted-multipair, untinned, solid-copper conductors. All POE and IP cables associated with PA system shall be provided according to, and installed as required by specification section 270130.
   a. Insulation for Wire in Conduit: Thermoplastic, not less than 1/32 inch thick.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install equipment to comply with manufacturer’s written instructions.

B. Install the caster kit for the wall mounted racks to support the center section of the rack where indicated.

C. All speakers located in grid ceilings shall have support that spans the grid, insulated back boxes and tied off to structure as required by code.

D. Wiring Method: ALL 70.7Vrms speaker wiring shall be in separate conduit from all other cables. Provide flex connection to all speakers, coordinate flex connection to speakers and speaker back boxes. All microphone, aux input, remote volume controls, on/off control, record out, etc. shall be in conduit. See Section 260533 for conduit requirements.
E. Speaker Wiring: The quantity of speakers shall be balanced between the available channels on the amplifiers for each system. The systems are made up of 2 channel and 4 channel amplifiers. All channels on each amplifier shall be used, UNO.

F. Balanced Wiring: All audio circuits shall be balanced throughout the system where possible.

G. Testing: Contractor shall test each input channel individually and as a mix to ensure the proper settings are applied to the mixers, delays, amplifier gain.

H. Manual Mixers: Contractor shall provide proper settings for each channel. The optimal level shall be labeled for each channel on the mixer.

I. Digital Mixers: Contractor shall provide programming for each input and output. Provide the optimal settings for each channel. Utilize manufactures software to program the equipment. Provide programming for the remote unit associated with each digital mixer. Install the Security cover over the digital mixer controls.

J. Wireless Systems: The contractor shall coordinate the programming of the wireless system bands and frequencies based on data from the manufacture for the local area. The settings shall prevent the separate systems from interfering with each other assuming that all systems on the campus are all operating at the same time. The settings shall also be coordinated with the auditorium wireless systems specified and provided by other divisions.

K. Handheld microphones, wireless microphones, transmitters, cables and related equipment to be stored in the equipment rack for each system.

L. Provide blank plates for all un-used junction box gangs.

M. Assisted listening devices to be stored in a separate drawer from the other equipment.

N. Labeling: All labels shall be machine printed with permanent black ink on white background.

O. Digital Mixers: Label each input/output as to the source/destination.

P. Digital Mixer Remote: Label each input fader at to the source, each volume control as to what speaker(s) it controls, each switch as to it specific function.

Q. Manual Mixers: Label each input/output as to the source and destination. Label each level control as to the source that is connected. Also, label each channel as to the proper setting for normal operation.

R. Amplifiers: Label each amplifier as to the speakers or sets of speakers it supplies. Label each amp channel as to the speakers it supplies. Label each adjustable dial as to the proper setting for normal operation.

S. Label each wire as to its source and destination for all systems.

T. Label the drawers as to the contents and quantities stored in each drawer.
U. Wireless Microphone Systems: Label each transmitter and receiver with the location and mic number. For the systems that have a handheld and a body pack tied to the same receiver, provide a label on the inside of the rack door that explains that only one of the microphones for receiver # may be used at a time.

V. Label each key as to which system and component it is for.

W. Wiring Method: Install wiring in raceway except within consoles, desks, and counters. Conceal cable and raceway except in unfinished spaces.

X. Wiring within Enclosures: Bundle, lace, and train conductors to terminal points with no excess. Use lacing bars in cabinets.

Y. Control-Circuit Wiring: Install number and size of conductors as recommended by system manufacturer for control functions indicated.

Z. Separation of Wires: Separate speaker-microphone, line-level, speaker-level, and power wiring runs. Install in separate raceways or, where exposed or in same enclosure, separate conductors at least 12 inches for speaker microphones and adjacent parallel power and telephone wiring. Separate other intercommunication equipment conductors as recommended by equipment manufacturer.

AA. Splices, Taps, and Terminations: Make splices, taps, and terminations on numbered terminal strips in junction, pull, and outlet boxes; terminal cabinets; and equipment enclosures.

BB. Match input and output impedances and signal levels at signal interfaces. Provide matching networks where required.

CC. Identification of Conductors and Cables: Color-code conductors and apply wire and cable marking tape to designate wires and cables to identify media in coordination with system wiring diagrams.

DD. Wall-Mounting Outlets: Flush mounted.

EE. Conductor Sizing: Unless otherwise indicated, size speaker circuit conductors from racks to loudspeaker outlets not smaller than No. 18 AWG and conductors from microphone receptacles to amplifiers not smaller than No. 22 AWG. Shielded audio cables only.

FF. Weatherproof Equipment: Install units that are mounted outdoors, in damp locations, or where exposed to weather consistent with requirements of weatherproof rating.

GG. Line Matching Transformer Connections: Make initial connections using tap settings indicated on Drawings.

HH. Provide and install all hardware required to integrate paging system with VOIP interface in the equipment rack. All interface connections shall be coordinated and completed in accordance with manufacturer’s requirements.

II. All devices that are connected to the network but use a biscuit instead of a wall jack that prevents the user from seeing the jack information w/o having to unmount the device such as wireless
access points clock, speakers, and cameras need to be labeled clearly on the device with the IDF and patch panel information. The labeling font need to be large enough that it can be read by a person who may be ground level but the device is mounted on a wall or ceiling.

3.2 GROUNDING

A. Ground cable shields and equipment to eliminate shock hazard and to minimize ground loops, common-mode returns, noise pickup, cross talk, and other impairments.

B. Signal Ground Terminal: Locate at main equipment cabinet. Isolate from power system and equipment grounding.

C. Audio circuits shall also observe the grounding practices outlined in “Sound System Engineering”, Don Davis, 1987, SAM Press.

3.3 FIELD QUALITY CONTROL

A. Operational Test: Perform tests that include originating program and page material at microphone outlets, preamplifier program inputs, and other inputs. Verify proper routing and volume levels and freedom from noise and distortion. Correct deficiencies and retest, if required.

B. Inspection: Verify that units and controls are properly labeled and interconnecting wires and terminals are identified. Prepare a list of final tap settings of paging speaker-line matching transformers.

3.4 DEMONSTRATION

A. Engage a factory-authorized service representative to train owner’s maintenance personnel to adjust, operate, and maintain equipment.

1. Train owner’s maintenance personnel on programming equipment for starting up and shutting down, troubleshooting, servicing, and maintaining equipment.

2. Review data in maintenance manuals.

END OF SECTION 275116
WAINSCOT DETAIL

G11

3" = 1'-0"

NOTE: EASE ALL EDGES OF THE HARDWOOD TRIM.

06 40 23.32 - HARDWOOD TRIM MAPLE

06 40 23.71 - RADIUS EDGE 1/4"

10 26 23.01 - RIGID SHEET WALL COVERING MOUNTED BEHIND BASE.

09 65 13.01 - RUBBER BASE, 4"
OR
09 65 00.16 - COVED BASE, 6"

FINISH FLOOR
G1

DOWNSPOUT DETAIL

1 1/2'' = 1'-0"

WALL TYPE AS NOTED

FASTENER EACH SIDE

ICE MELT HEAT CABLES IN ALL GUTTERS AND DOWNSPOUTS - SEE ELECTRICAL

07 62 00.25 - DOWNSPOUT OR 05 50 00.56 - STEEL TUBE DOWNSPOUT

05 50 00.61 - CUSTOM BRACKET, DOWNSPOUT HANGER, 30" O.C. MAX.

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PIONEER SCHOOL OF THE ARTS GYMNASIUM ADDITION

ADD-01-02
FLOOR FINISH PLAN

1/8" = 1'-0"
ROOF FRAMING DESIGN LOADS

ROOF LOADS:
DEAD LOAD 20 psf
SNOW LOAD 25 psf
TOTAL LOAD 45 psf

ROOF FRAMING PLAN NOTES

1. VERIFY ALL ROOF OPENINGS FOR MECHANICAL SHAFTS, DRAINS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
3. ALL ROOF OPENINGS GREATER THAN, OR EQUAL TO, 12" X 12" SHALL BE FRAMED AS INDICATED IN DETAILS 1/55.11 AND 6/55.11. FOR OPENINGS WHICH CUT LESS THAN TWO DECK FLUTES, SEE DETAIL 3/55.11.
4. SEE DETAIL 4/55.11 WHEN CONCENTRATED LOADS ARE LOCATED MORE THAN 8' FROM JOIST OR JOIST GIRDER PANEL POINT.
5. SEE DETAIL 5/55.11 WHEN MECHANICAL UNITS ARE HUNG BELOW JOISTS.
6. VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
7. LOCATE MISCELLANEOUS MECHANICAL OPENINGS BETWEEN JOISTS, NOT UNDERNEATH THEM.
8. OPEN WEB STEEL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE ROOF FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN.
9. JOIST BRIDGING SHOWN ON PLANS IS FOR REPRESENTATION ONLY; ACTUAL SIZE, QUANTITY, AND LOCATION WILL BE DETERMINED BY THE JOIST SUPPLIER PER "SJ" REQUIREMENTS. ALL BRIDGING AND BRIDGING ANCHORS NEED TO BE IN PLACE BEFORE APPLYING ANY LOADS. WHERE SKYLIGHT OR MECHANICAL UNITS/DUCTS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE OF THE OPENING. WHERE DIAGONAL BRIDGING CONFLICTS WITH MECHANICAL UNITS, REMOVE DIAGONAL BRIDGING AND REPLACE WITH HORIZONTAL BRIDGING AFTER ROOF DECK IS IN PLACE.
10. JOIST DESIGNER SHALL DESIGN JOISTS AND GIRDERS AND SUPPLY ADDITIONAL BRIDGING AS REQUIRED FOR UPLIFT DUE TO WIND. ASSUME:
DEAD LOAD = 12psf WIND UPLIFT = 30psf (TOTAL - ALLOWABLE)
NO 1/3 STRESS INCREASE ALLOWED.
11. SEE ARCHITECTURAL PLANS FOR DIMENSIONS TO ALL STEEL COLUMNS.
12. PROVIDE CELLULAR ACOUSTIC ROOF DECK OVER GYMNASIUM AREA. SEE ARCH FOR ACOUSTIC REQUIREMENTS.
13. LOAD IS SHOWN FOR BIDDING PURPOSES ONLY. COORDINATE LOCATION AND WEIGHT OF BASKETBALL STANDARD WITH ARCH DRAWINGS AND BASKETBALL STANDARD SUPPLIER.
ATTACH SHEATHING TO 3x OR (2) 2x BLOCKING WITH BOUNDARY FASTENERS, SEE SCHEDULE

TYPICAL ROOF JOIST

JOIST BLOCKING, TYP WHERE SHOWN

DOUBLE JOIST EACH SIDE OF OPENING

OPEN

3 x TYP JOIST SPACE OPENING

SIMPSON 'ST6224' WITH (28) #10 STS, TYP (4) LOCATIONS

SIMPSON 'S/LBV' HANGER, TYP WHERE SHOWN, INSTALL HANGER WITH FASTENERS I.A.W. WITH SIMPSON REQUIREMENTS

NOTES:
1. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION AND SIZE OF OPENINGS.

FRAMING AT CONVENTIONALLY FRAMED ROOF OPENINGS

[PLAN VIEW]

DO NOT SCALE DRAWINGS, COORDINATE ALL CONDITIONS WITH ARCHITECTURAL DRAWINGS. DRAWINGS COPYRIGHTED BHB CONSULTING ENGINEERS P.C. 2018.
DOUBLE JOIST EA SIDE OF OPENING

OPEN

2 x TYP JOIST SPACE OPENING

SIMPSON 'S/LB' HANGER, TYP WHERE SHOWN, INSTALL HANGER WITH FASTENERS I.A.W. WITH SIMPSON REQUIREMENTS