**ADDENDUM NO. 2**

March 18, 2016

To all plan holders of record on the work entitled:

**ADDITIONS AND REMODELING TO**
**ROBERT ASP, ELLEN HOPKINS AND S.G. REINERTSEN ELEMENTARY SCHOOLS**
**MOORHEAD AREA PUBLIC SCHOOL DISTRICT 152**
**MOORHEAD, MINNESOTA**

The proposed Contract Documents are modified as follows:

Reinertsen bathroom tile 12 x 12!

VCT on schedule shall be VPF

## I. SPECIFICATIONS

### ASP AND HOPKINS ELEMENTARY SCHOOLS:

Section 07 4213 - Composite Metal Wall Panels
1. Delete this Section and replace with attached Section 07 4213 Metal Panels

Section 08 7100 - Door Hardware
1. Missing door in Hardware Schedule.
   a. Provide 2 butt hinges and Best 9K3-D key locks at this door at both schools.

Section 12 2113 - Horizontal Louver Blinds
1. Provide additional blinds at aluminum window opening AL7: 13'-7" wide x approximately 9'-0" high.
   If height is too tall for 2" vinyl blinds provide 2" aluminum blinds at this location only and vinyl at other locations.
   Provide two sections of blinds within the 13'-7"width (OK to have common head rail at this location)
2. At aluminum window opening AL5 provide 3 separate sections within it's 11'-0" width because of the two intermediate vertical mullions.
   At aluminum window opening AL6 (at Principal 005) provide two sections within it's approximate 7'4" width.
   All other windows can be one section covering entire opening.

### ALL SCHOOLS:

Section 00 0200-Bid Package Summary
1. Bid Package 6A - 'General Work and Labor'
   a. All Tyvek (Section 07 2800 'Moisture Barriers') shall be furnished and installed as part of this Bid Package.
2. Bid Package 4 - Delete requirement to provide moisture barrier (Tyvek) as per section 07 2800 as part of this Bid Package. This will be provided by Bid Package 6A.
3. Bid Package 7A - Delete requirement to provide moisture barrier (Tyvek) as per section 07 2800 as was described in Addendum #1. This will be provided by Bid Package 6A.

Section 06 4100 - Architectural Wood Casework
1. Delete fabricator requirement to be Certified under AWI/AWMAC/WI Quality Certification Program.

Section 07 2119 -Foamed-in-Place Insulation
1. Where foamed-in-place insulation is not covered by gypsum board provide 15 mil coat (applied in two separate applications) of ASTM E-84 intumescent coating over surface of exposed insulation. See details for locations.

Section 08 3323 - Overhead Coiling Doors

1. Ignore references to all language associated with fire doors. Door will not be fire rated.
2. Speed governor and drop testing is not required.
3. Motor operation, however will allow electrical wiring/switches to allow control of doors by three different means:
    a. Up and down switch on wall controlled by any staff.
    b. Under counter control buttons at two different work stations which engages the motor to completely shut the door by a single push of the button.
    c. Building system lockdown signal which engages the motor to close the door completely when called for.
4. Provide proper switches and coordinate wiring and operation with electrical contractor.
5. Provide wireless safety edge.
6. Finish shall be clear anodized.

Section 09 6813 - Tile Carpeting

1. Allowance
    a. Change allowance from $35.00 to $20 per square yard (for material only). Installation labor and installation material cost shall remain as part of base bid.
2. Fiber type must be 100% branded nylon.
3. Density must exceed 5000 oz./Sq. Yd as recommended by the CRI for heavy traffic commercial application this is what the CRI recommends for heavy traffic commercial.
4. Provide minimum 3 options for consideration by the owner.

**REINERTSEN ELEMENTARY SCHOOL:**

Section 08 8100 - Glazing

1. Obscure glass shall be Oldcastle 'Niagra' or similar.

Section 09 2900 - Gypsum Board

1. At walls that contain openings A102A, A139 A&B, A139 D&C and A142: These new walls are to be constructed up against existing walls. Provide USG-200A casings at new walls in lieu of corner beads so that existing walls do not need to be taped sanded and painted (which would need to happen if corner beads are used.)
2. Column cover to be provided by this section
    a. Provide 12" diameter steel column cover by Casting Designs, Inc, Ft. Worth Texas or similar. Provide steel stud framing support as required. Provide paint grade surface. To be painted by Section 09 9100.

Section 09 9100 - Painting

1. At Lobby A102
    a. Existing OH coiling door is called to be removed from its existing location to a new location. (See demolition plan). It is currently mounted to an existing steel beam that will become exposed to the two story space when removed. As part of this section paint exiting steel beam which is approximately 8" deep and 18'-0" long.

## II. DRAWINGS

**ALL SCHOOLS**

All pertinent drawing sheets:

1. Note 07 5300 pertains to EPDM Roofing. This section is not included in the specification maual and product is not to be provided. All single ply roofing shall be TPO and the proper spec Section 07 5400 is included in the specifications. All references on the drawings shall be '07 5400' in place of '07 5300.'

**HOPKINS ELEMENTARY SCHOOL ONLY**

Cover Sheet Note 2/Cover:

1. Note 32 1313.D2 should be provided by section 31 2300.

**ASP AND HOPKINS ELEMENTARY SCHOOLS:**

Sheet A1.2

1. Hall 010 and Hall 011:
    a. Existing aluminum frame and insulated panels to remain at south wall.
    b. See attached drawing ADD2.2 which illustrates the installation of new insulated aluminum faced panels (Mapes or similar) in existing aluminum frames.

Sheet A3.1

1. Section 3/A3.1 - Section through canopy
    a. See attached ADD2.1 which better illustrates a detail through the canopy edge.

Sheet A3.2

1. Details 1, 3 and 4/A3.2 - Hold out in concrete foundation at slab: change to allow 2" rigid insulation in lieu of 3" so that steel stud framing has more sound support.

Sheet A3.3

1. Details 4/A3.3 and 5/A3.3
    b. Change note from 08 4113.A2 to Note 08 4113.A1.

**REINERTSEN ELEMENTARY SCHOOL:**

Cover Sheet

1. Delete the removal and replacement of concrete around flagpole.
2. Owner would like to straighten pole rather than remove it.
3. Typical general protocol for re-alignment is as such: (Work by Bid Package 6A)
    c. Remove existing wood wedges.
    d. Flush sand from mounting cylinder with compressed air and or high pressure water spray.
    e. Realign flagpole to plumb.
    f. Lightly set wedges around pole.
    g. Fill cylinder around pole with sand and compact as required.
    h. Firmly set wedges.
    i. Reinstall escutcheon cover plate.

Sheet AD.1

1. Demolition Note 15
    a. Ceiling tiles to be removed and salvaged by Bid package 6A and reinstalled by 9E.
    b. See ADD2.3 for additional floor saw cutting and removal work.
2. At existing Conference Room 4 east wall
    a. Remove and salvage existing marker board and give to owner.

Sheet A1.0

1. Wall Type 'A' should be labeled 'Burnished CMU Veneer Stud Wall' rather than 'Brick Veneer Stud Wall'
2. Condoc Notes-Details- Note 08 4113.A2 is not listed but should read as: 'Aluminum sill by window manufacturer.'

Sheet A1.1

1. See ADD2.2 for revised HM frame elevations.
2. Al 1 frame elevation: Note below title is listed as '08 4413. A1' but should read as '08 4113.A1.'
3. Door and Frame Schedule:
    a. Door opening A 102 - Change frame type from 'Ex' to 'HM 3'.
    b. Door opening A 105 - Change frame type from 'Ex' to 'HM 3'.
    c. Door opening A 110A - Change frame type from 'Ex' to 'HM 2'.
4. Room Finish Schedule
    a. Add A103C to include carpet tile, rubber base, all walls to be painted and acoustical lay-in ceiling.
5. Room finish notes
    a. Add Note 5 to install salvaged carpet tiles in lieu of new. This note should apply to the following rooms:
        Conference Room A102A
        Coats A103C
        Storage A104
        Files A108
        Conference109

Sheet A1.2

1. At all new base cabinet and upper cabinets - provide blocking in walls to secure cabinets. Blocking need not be Fire rated.
    b. Two sides of SE bump out at Work A111.
    c. Two sides of SW bump out at Conference A109.
    d. South wall of Assist. Principal A106
    e. South wall of Office A107
    f. East wall of Storage 104.

3. At walls that contain openings A102A, A139 A&B, A142 and A139 D&C: these new walls are to be constructed up against existing walls. Provide USG - 200A casings at new walls in lieu of corner beads so that existing walls do not need to be taped, sanded and painted when corner beads are used.
4. See ADD2.3 for additional concrete floor patching.

Sheet A2.1 Exterior Elevations

1. On elevation 2 and 3- Note '08 4113 should read as '08 4113.A1'
2. On elevation 2 and on Condoc Notes – Note '08 5113' should read as '08 4113.A1' instead.

Sheet A3.1

1. Detail 3/A3.1 - Hold out in concrete foundation at slab: change to allow 2" rigid insulation in lieu of 3: so that steel stud framing has more sound support.
2. Detail 8/A3.1 - Note '07 9200.A5- should be changed to '08 4113. A3.'
   Note '09 2900.A2- should be changed to '09 2900. A1.'
3. Note 07 6200. A1 Should be change to 08 4113.A2

Sheet A4.1

1. Change detail to that shown on attached sheet ADD2.5.

Sheet A5.1

1. Note 10 28113.B1 Curtains and tracks
    a. Work by 6A- Remove and salvage curtain tracks and curtains at existing Nurse 7 and reinstall in ceiling at new location.

Sheet A4.1

1. Detail 7/A41.
    a. Interior elevations at bathroom shall be 12"x 12" ceramic wall tile rather than pattern shown.

Sheet S4.1

1. Details S4.1 Toilet A110B:
    a. See attached revised details 7/S4.1 and 8/S4.1.

## III. APPROVED EQUALS

| SECTION | PRODUCT | SPECIFIED PRODUCT | APPROVED PRODUCT/ MANUF. |
|---|---|---|---|
| 03 3521 | Concrete Polishing | Ardex & Bomanite | Husqvana Hiper Floor |
| 07 2113 | Board Insulation | Hunter | Firestone Enverge |
| 08 4113 | Alum. Framed Entrances/Storefronts | Tubelite TU 24000 | Manko Windows 2450 Series |
| 08 4113 | Alum. Framed Entrances/Storefronts | Tubelite E4500 | Manko Windows 450 Series |
| 08 4113 | Alum. Framed Entrances/Storefronts | Tubelite Wide Stile Door | Manko Windows 150 Series |
| 08 7100 | Door Hardware | LCN Closers | Stanley QDC |

## IV. ATTACHMENTS:

Section 07 4213 Metal Wall Panels (Replaces Section 07 4213 Composite Metal Wall Panels)
ADD2.1 - Detail through canopy edge
ADD2.2 - Hall 010 and 011 - Wall elevation of insulated aluminum face panels in existing aluminum storefront system
ADD2.3 - Additional concrete saw cutting and patching (Reinertsen)
ADD2.4 - Revised HM Frame Elevations (Reinertsen)
ADD2.5 - Revised Detail 9/A4.1

SA-1 - Revised structural detail 7/S4.1
SA-2 - Revised structural detail 8/S4.1

Mechanical Addendum M1
Electrical Addendum E1

**END OF ADDENDUM NO. 2**

# SECTION 074213

# METAL WALL PANELS

## PART 1GENERAL

### 1.1 SUMMARY

A. Section Includes:
1. Preformed metal wall panel system.
2. Flashings, trim, anchorage, and accessories.

B. Related Sections:
1. Division 01: Administrative, procedural, and temporary work requirements.
2. Section 079200 - Joint Sealers.

### 1.2 REFERENCES

A. American Society of Civil Engineers (ASCE) www.asce.org7 - Minimum Design Loads for Buildings and Other Structures.

B. American Architectural Manufacturers Association (AAMA)www.aamanet.org:
1. 621 - Voluntary Specifications for High Performance Organic Coatings on Coil Coated Architectural Hot Dipped Galvanized (HDG) and Zinc-Aluminum Coated Steel Substrates.
2. 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Architectural Extrusions and Panels.
3. 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Architectural Extrusions and Panels.

C. ASTM International (ASTM)www.astm.org:
1. A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
2. A755/A755M - Standard Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products.
3. A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
4. B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
5. E330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

### 1.3 SYSTEM DESCRIPTION

A. Design Requirements: Design system to withstand:
1. Live loads in accordance with Building Code.
2. Minimum wind pressures in accordance with Building Code, with maximum allowable deflection of L/180 tested in accordance with ASTM E330].
3. Movement caused by an ambient temperature range of 120 degrees F and a surface temperature range of 160 degrees F.

### 1.4 SUBMITTALS

A. Submittals for Review:
1. Shop Drawings: Show configuration of panels, trim members, and closures.
2. Product Data: Show system components including panels, trim, and accessories.
3. Samples:
   a. 3 x 3 inch finish samples showing available colors, on representative backing.
   b. After color selection, submit 12 inch long panel samples in selected color.
4. Warranty: Sample warranty form.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Minimum 5 years documented experience in work of this Section.

1.6 DELIVERY, STORAGE AND HANDLING

A. Protect panels from contact with materials that could cause staining or discoloration of finish.

1.7 PROJECT CONDITIONS

A. Do not install panels on wet or frozen substrate.

1.8 WARRANTIES

A. Furnish manufacturer's 20 year warranty providing coverage against chipping, cracking, fading, or delamination of panel finish.

**PART 2 PRODUCTS**

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
1. Petersen Aluminum Corp. (www.pac-clad.com)
2. AEP-Span. (www.aepspan.com)
3. Berridge Manufacturing Co. (www.berridge.com)
4. Centria Architectural Systems. (www.centria.com)
5. MBCI. (www.mbci.com)
6. VicWest. (www.vicwest.com)

2.2 MATERIALS

A. Flush panels
1. 22 gauge steel rolled formed with rounded interlock legs.
2. Tested to ASTM E-330

2.3 ACCESSORIES

A. Fasteners: 300 Series stainless steel, type best suited to application; head color to match panels where exposed, with neoprene gasketed washers.

B. Panel Clips: Hot-dip galvanized steel, thermally responsive, designed to fit between two adjacent panels and secure both panels.

C. Panel End Closures: Sponge neoprene, cut to fit panel configuration, minimum 1 inch depth.

D. Joint Sealers: Specified in Section 079200.

2.4 FABRICATION

A. Fabricate panels from minimum 22 gage steel panels.

B. Panel Profile: 12 inches wide x 1" inches deep, with intermediate stiffening ribs as required, interlocking edges.

C. Trim: Profiles as indicated or as required, fabricated from same material as panels.

D. Roll form panels and trim to required profiles in longest practical lengths.

2.5 FINISHES

A. Panels and Trim: AAMA 2605, fluoropolymer coating containing minimum 70 percent PVDF resins, color to be selected from manufacturer's full color range.

**PART 3 EXECUTION**

3.1 INSTALLATION

A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

B. Install aligned, level, and plumb.

C. Fasten panels to supports[in concealed locations. Exposed fasteners permitted on trim members only.

D. Locate panel joints over supports.

E. Lap end joints 4 inches minimum.

F. Install trim to maintain visual continuity of system.

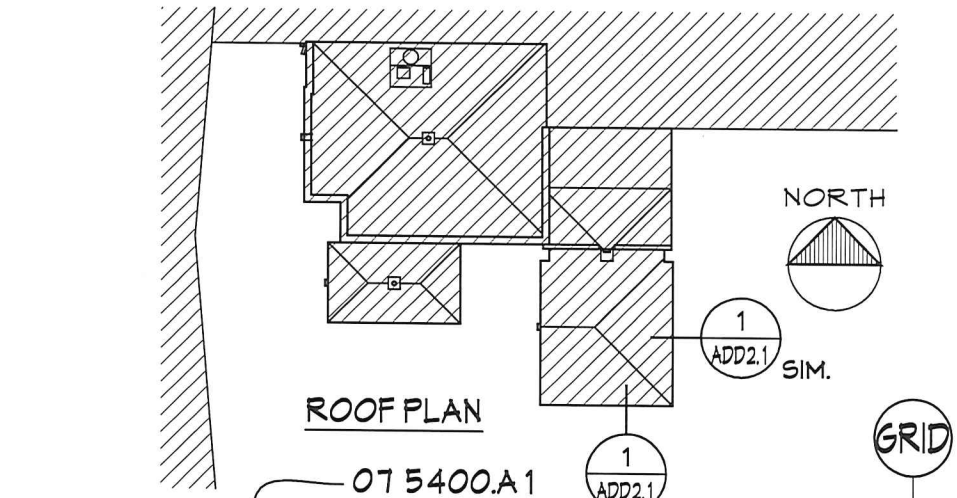
G. Install joint sealers and gaskets to prevent water penetration.

H. Installation Tolerances:
1. Variation from location: Plus or minus 1/4 inch.
2. Variation from plane: 1/4 inch in 10 feet.

3.2 ADJUSTING

A. Touch up field cuts and abrasions on finished surfaces to match factory finish.

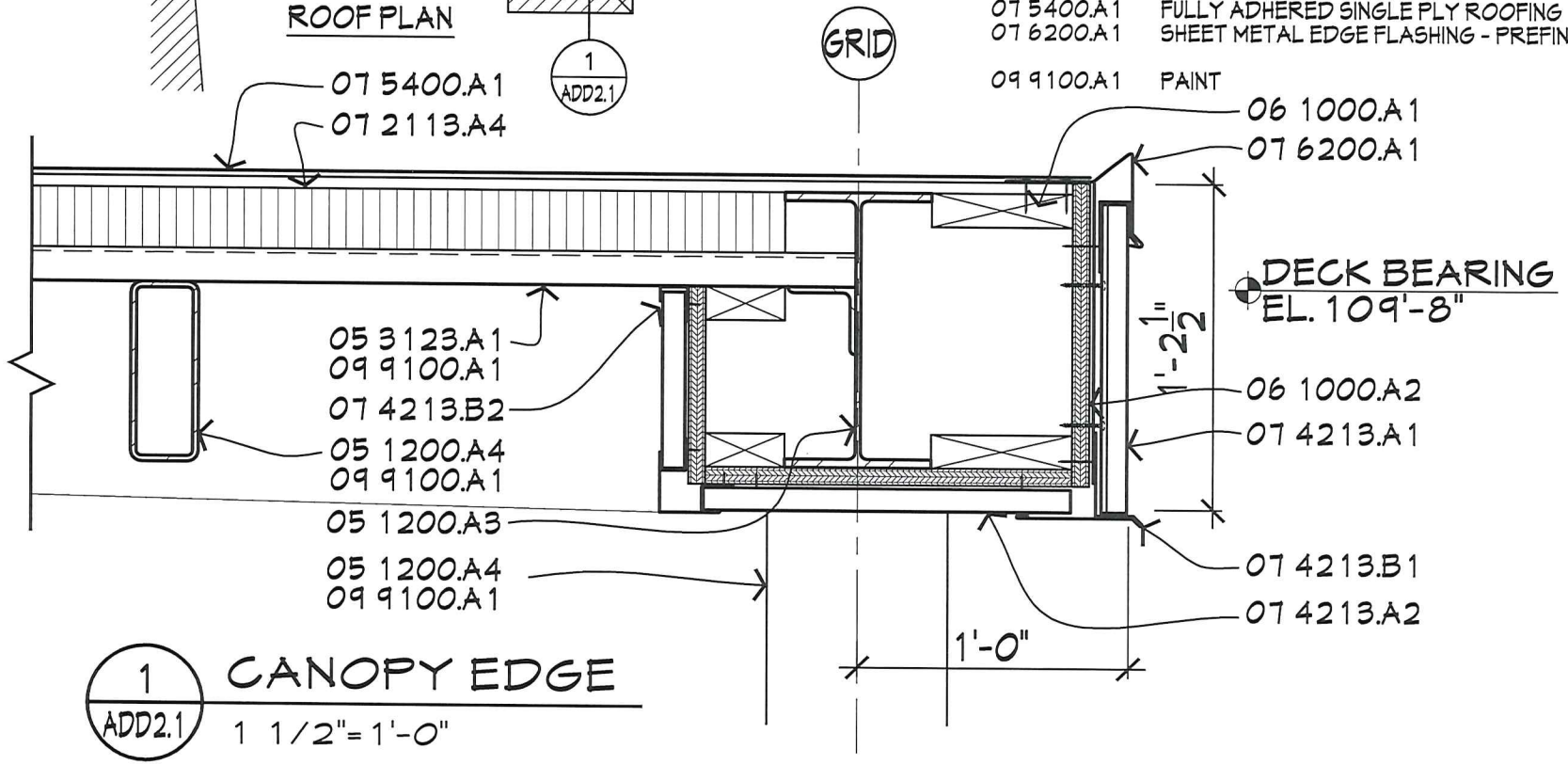
END OF SECTION




ROOF PLAN

## CONDOC NOTES

| | |
|---|---|
| 05 1200.A3 | STEEL BEAM, SEE STRUCT. |
| 05 1200.A4 | TUBE STEEL, SEE STRUCT. |
| 05 3123.A1 | STEEL ROOF DECKING |
| 06 1000.A1 | WOOD BLOCKING |
| 06 1000.A2 | 3/4" CDX PLYWOOD |
| 07 2113.A4 | TAPERED POLYSTYRENE ROOF INSULATION |
| 07 4213.A1 | 1" METAL WALL PANEL |
| 07 4213.A2 | 1" METAL WALL PANEL INSTALLED AS SOFFIT PANEL |
| 07 4213.B1 | METAL SOFFIT FLASHING W/ DRIP EDGE |
| 07 4213.B2 | METAL CLOSURE |
| 07 5400.A1 | FULLY ADHERED SINGLE PLY ROOFING SYSTEM |
| 07 6200.A1 | SHEET METAL EDGE FLASHING - PREFINISHED |
| 09 9100.A1 | PAINT |




1 / ADD2.1 CANOPY EDGE

1 1/2"= 1'-0"

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# Robert Asp Elementary & Ellen Hopkins Elementary

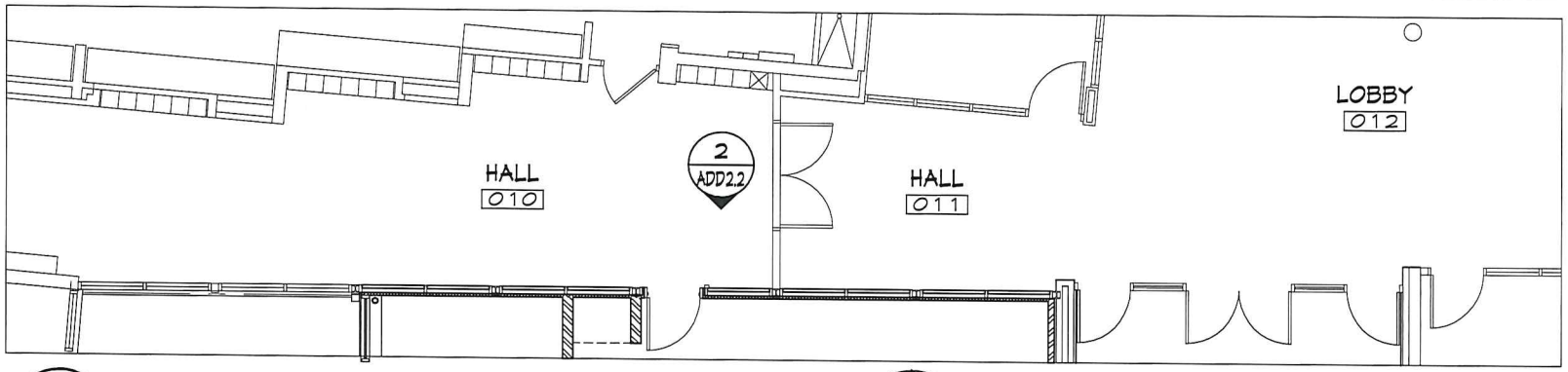
Moorhead, Minnesota



Date 3/18/16

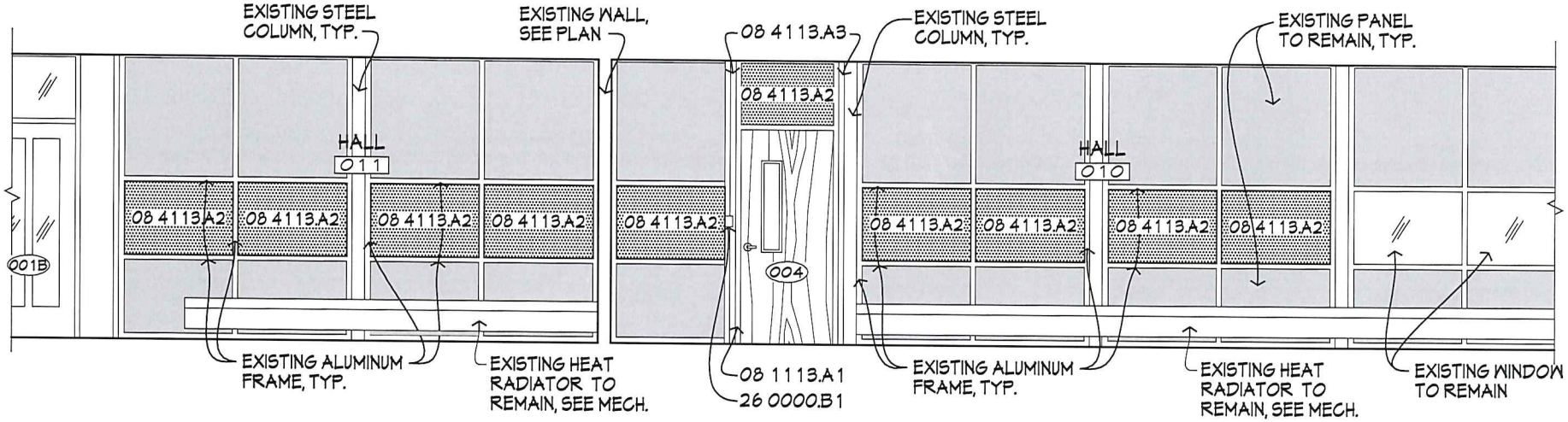
Project No. MJBA 1520

Sheet No. ADD2.1




1 ADD2.2 HALL 010 & 011 KEY PLAN

3/32"=1'-0"




2 ADD2.2 HALL 010 & 011 SOUTH ELEVATION

3/16"=1'-0"

## CONDOC NOTES

| | |
|---|---|
| 08 1113.A1 | HOLLOW METAL DOOR FRAME |
| 08 4113.A2 | INSULATED INFILL PANEL; MAPES WITH ALUMINUM MOUNTING CHANNEL, MOUNT INTO EXISTING ALUMINUM FRAME, EXISTING GLASS TO REMAIN IN PLACE |
| 08 4113.A3 | ALUMINUM BREAK METAL |
| 26 0000.B1 | CARD READER BY 26 |

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# Robert Asp Elementary & Ellen Hopkins Elementary

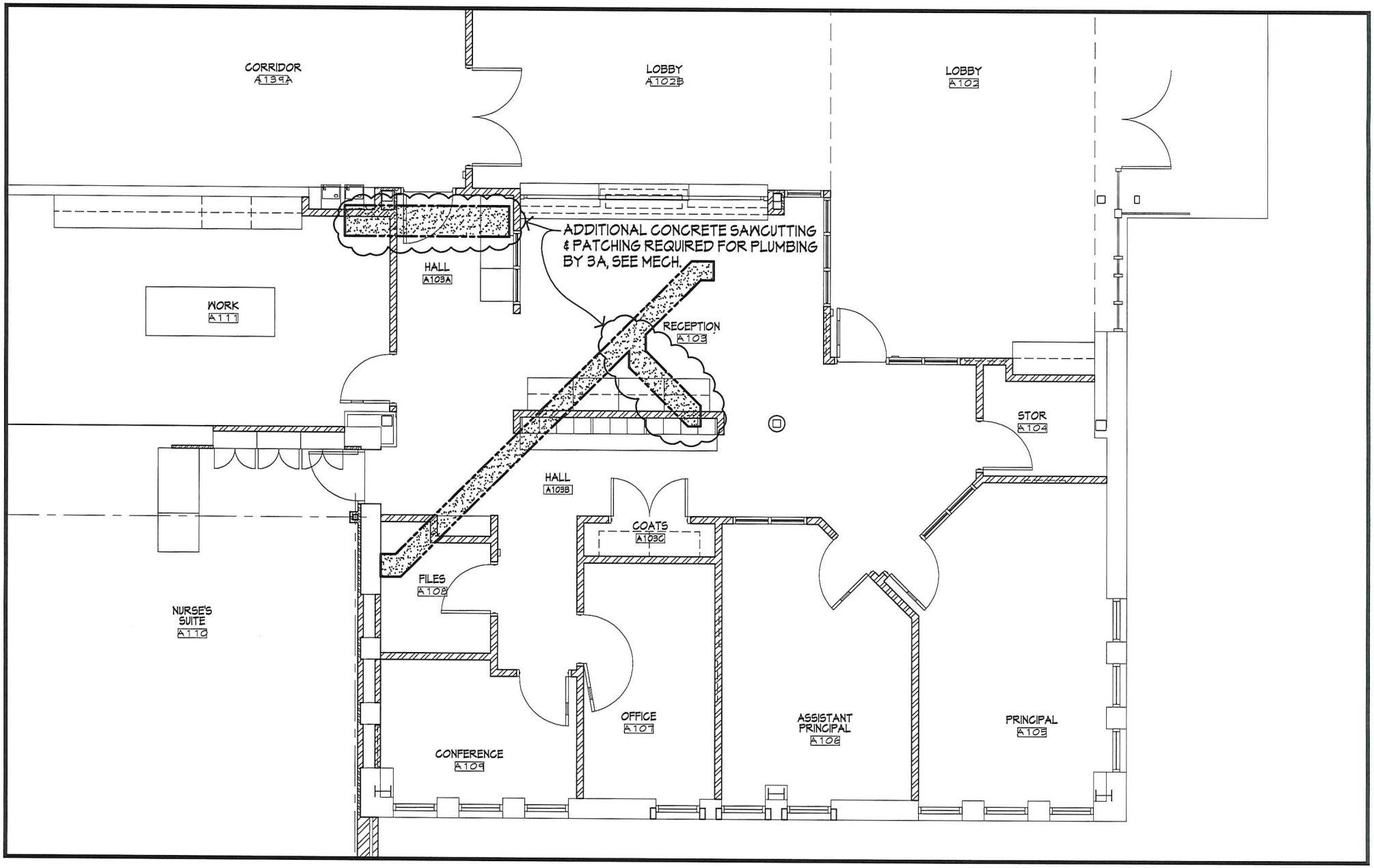
Moorhead, Minnesota



Date 3/18/16

Project No. MJBA 1520

Sheet No. ADD2.2

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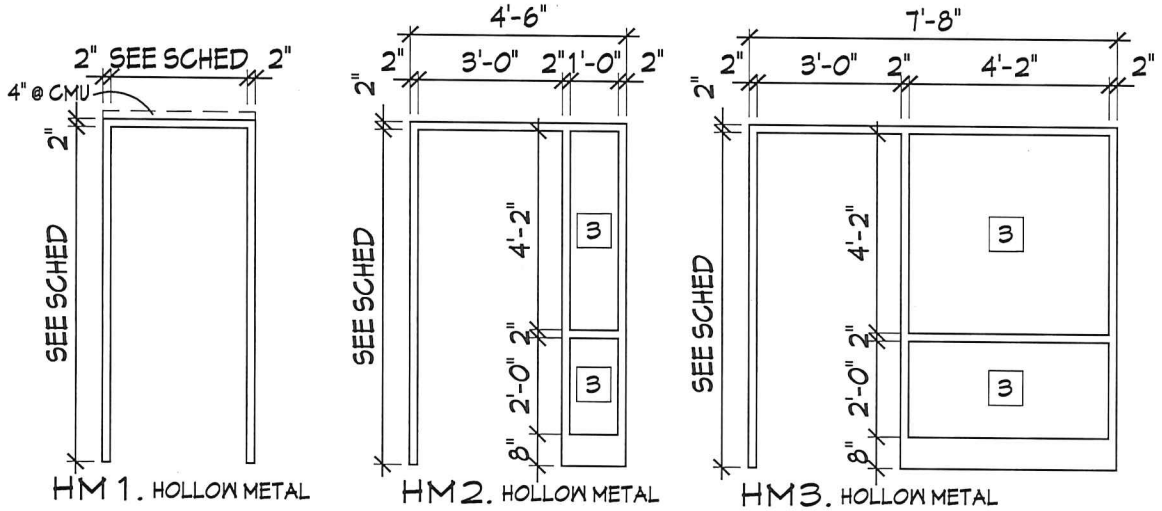
# S.G. Reinertsen Elementary
## Moorhead, Minnesota



Date 3/18/16

Project No.
MJBA 1520

Sheet No.
ADD2.3

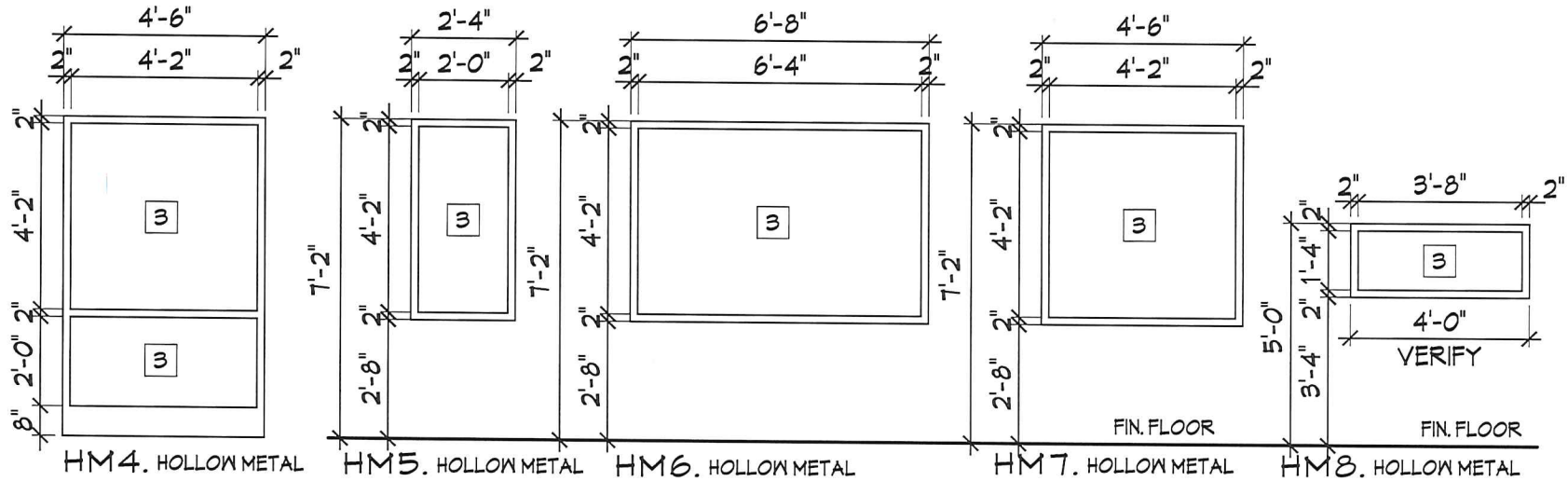



## DOOR FRAME TYPES - H.M.

1/4"= 1'-0"

## GLASS SCHEDULE

| | |
|---|---|
| 1 | 1" INSULATED TEMPERED GLASS |
| 2 | 1/4" TEMPERED OBSCURE GLASS |
| 3 | 1/4" TEMPERED CLEAR GLASS |




## FRAME TYPES - H.M.

1/4"= 1'-0"

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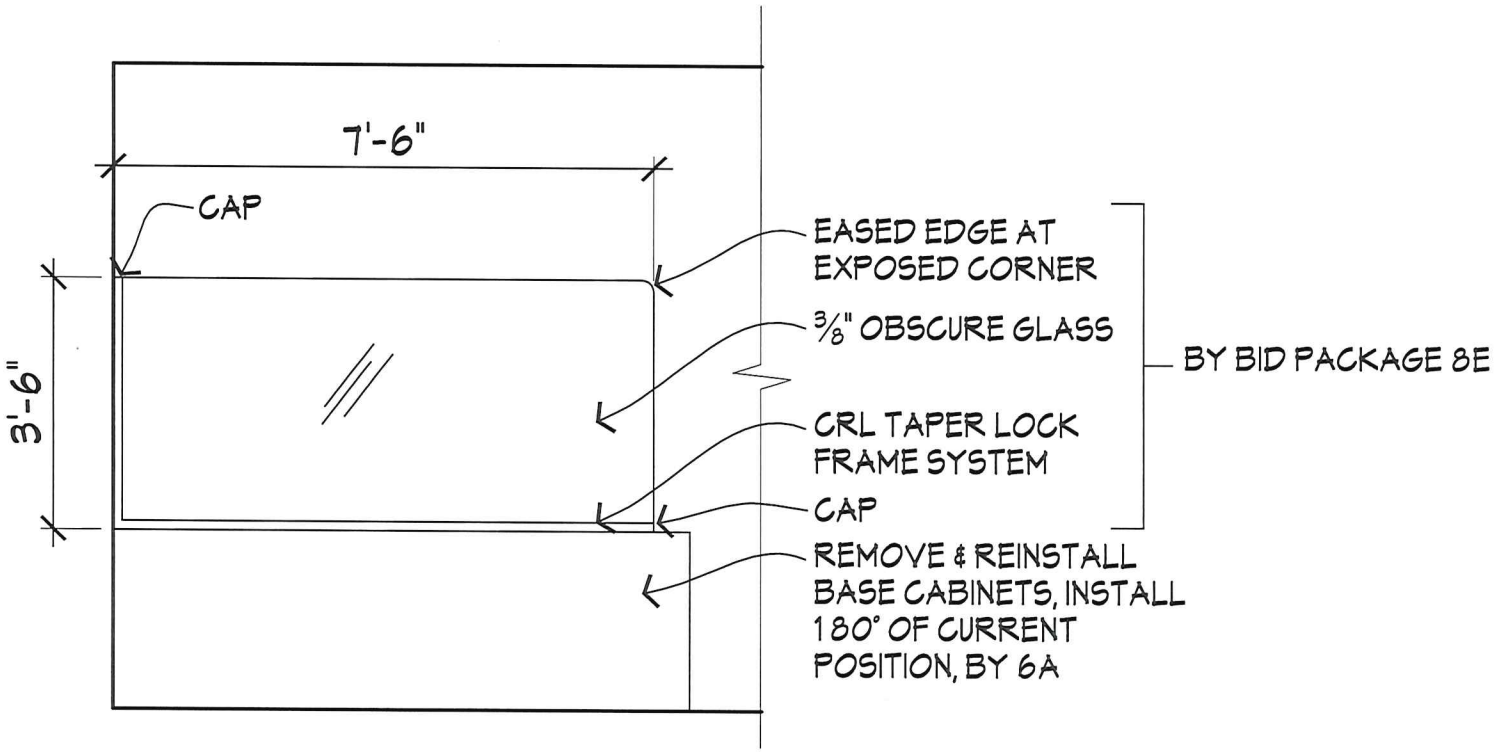
# S.G. Reinertsen Elementary
Moorhead, Minnesota



Date 3/18/16

Project No.
MJBA 1520

Sheet No.
ADD2.4




9 / A4.1 WORK A111

3/8"=1'-0"

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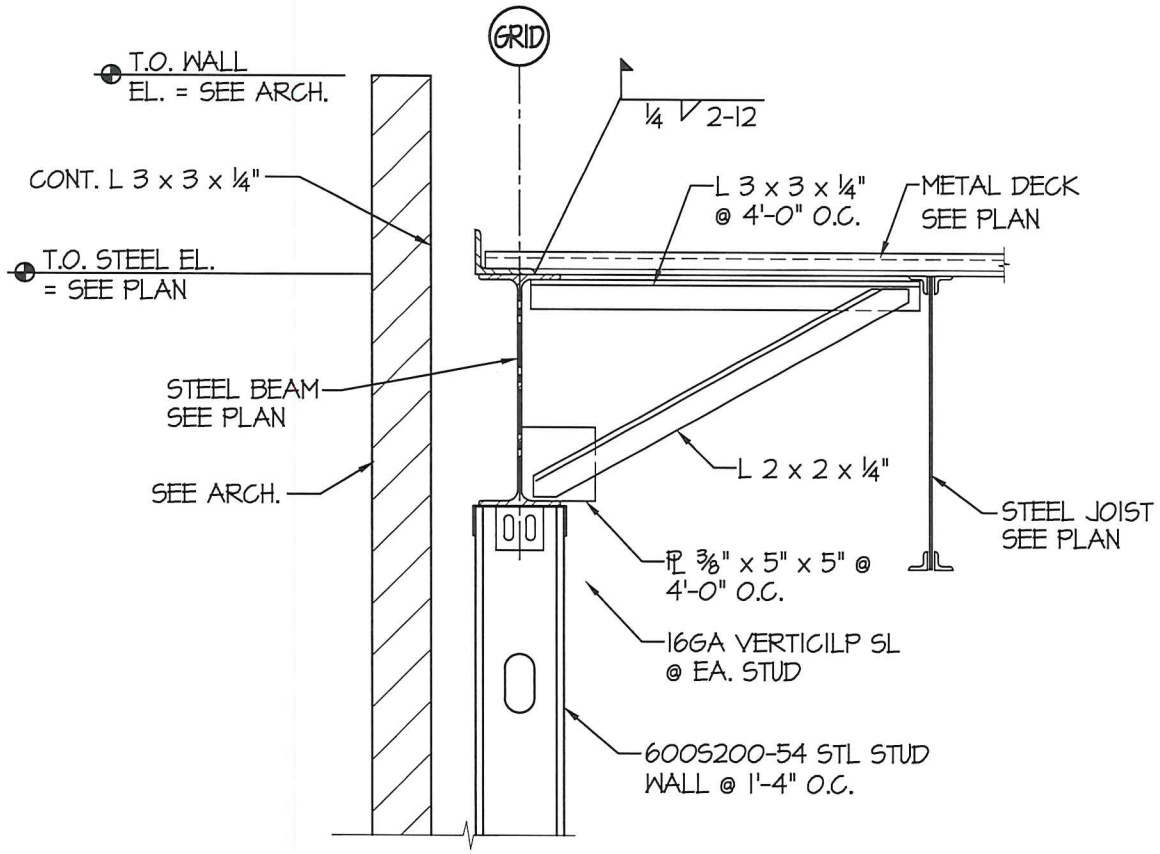
# S.G. Reinertsen Elementary
Moorhead, Minnesota



Date 3/18/16

Project No. MJBA 1520

Sheet No. ADD2.5




1

7 / S4.1 DECK BRG DETAIL

1" = 1'-0"

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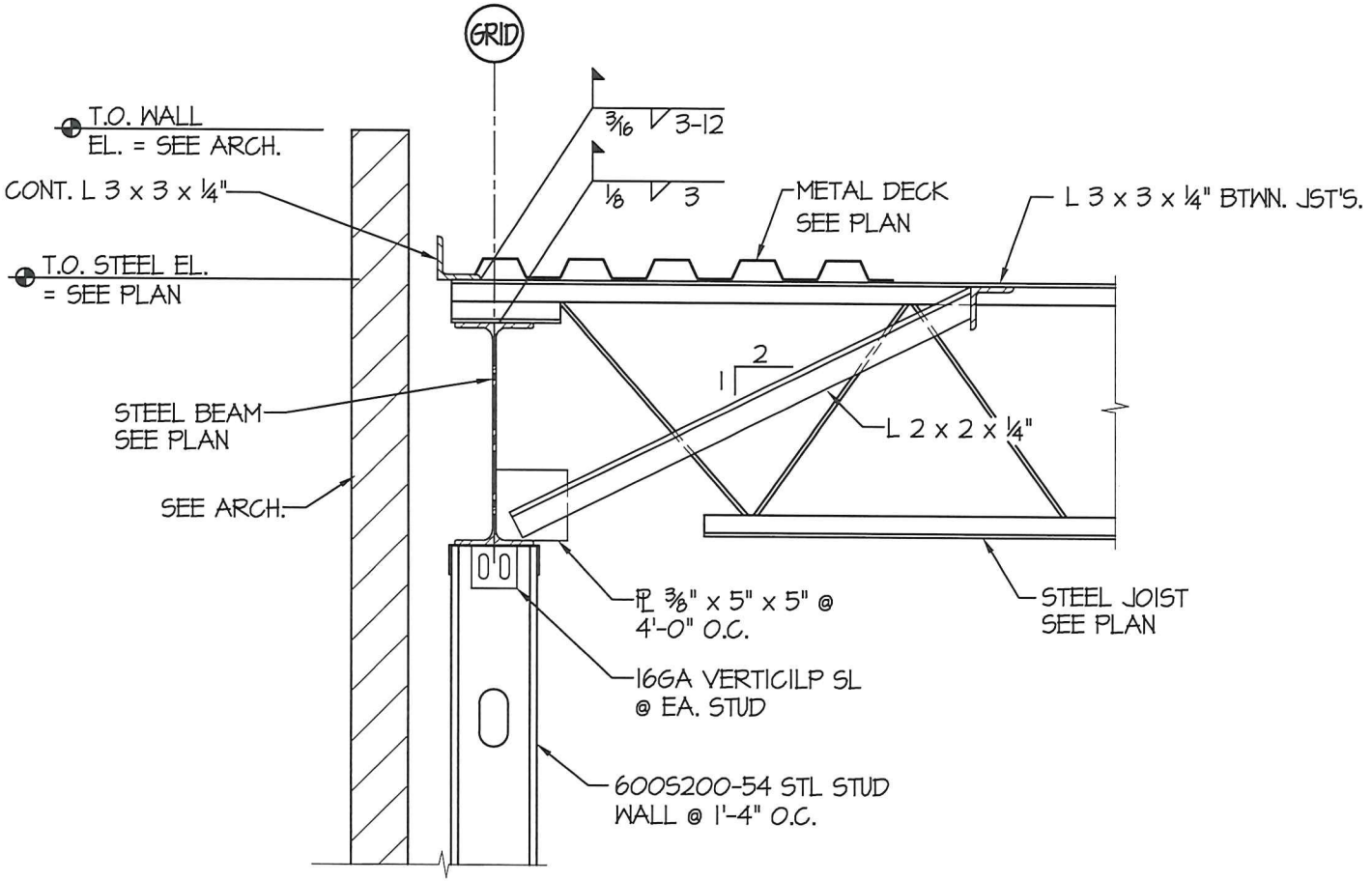
# S.G. Reinertsen Elementary
Moorhead, Minnesota



Date 3/18/16

Project No. MJBA 1520

Sheet No. SA–1




1

8 / S4.1 JOIST BRG. DETAIL

1" = 1'-0"

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# S.G. Reinertsen Elementary
Moorhead, Minnesota



Date 3/18/16

Project No. MJBA 1520

Sheet No. SA–2

**ADDENDUM NO __M1___**

**DATE:** Friday March 18, 2016

**PROJECT**: Moorhead Area Public Schools
Elementary School Additions & Remodeling
Moorhead, MN
MMD Project Number 2016-005

**DATE OF ISSUE:** March 2016

**NOTICE TO ALL KNOWN PLANHOLDERS AND BIDDERS:**

Martin Mechanical Design, Inc. issues this addendum to all known individuals, firms, or corporations who have obtained or received drawings and specifications for the above referenced project. The bidder or planholder assumes all responsibility for obtaining all addendums and listing same on the proposal forms. The Engineer is not responsible nor does he accept any liability for insuring that the planholders, bidders, or other interested parties have received all addendums.

**THIS ADDENDUM SHALL BE MADE A PART OF THE CONTRACT PLANS AND SPECIFICATIONS. BIDDERS SHALL ACKNOWLEDGE RECIEPT OF THIS AND ALL OTHER ADDENDUMS IN THE APPROPRIATE SPACE PROVIDED ON THE BID FORM.**

**MARTIN MECHANICAL DESIGN INC.**

BRIAN MARTIN

702 28th Avenue North
Fargo, North Dakota 58102

Phone 701-293-7957
Fax 701-293-7381

**Changes to specifications:**

**Section 230900 Instrumentation and Controls**

1. Remove 2.2.A.5 Siemens Building Technologies
2. Modify to 2.2D.

   D. The control system shall be provided with a 12 month software license update. The latest version or revision of the software will be installed. The control system shall have a twelve month labor and material warranty on items provided and installed under this contract. All existing and reused items will continue to be on the service contract and warranty that currently exists.
3. Add 2.2.H.

   H. Provide Solid State Web server interface along with all required hardware and software to monitor and control the building automation system from any network connected web browser. The web server shall be encrypted with SSL encryption and will reside on the owner intranet/internet. Location of the web server shall be coordinated with the districts IT department. All graphics, trends and alarms shall be programmed into the new control system.
4. **Clarification:**
   a. Pumps that come with integral VFD's will not require VFD's provided and installed by controls contractor. Controls contractor will wire and control VFD's provided by pump manufacturer. Mechanical contractor shall coordinate pumps and VFD controllers.
   b. All control, schedules, trends, alarms, and logs shall be processed identically as the existing.

**Changes to drawings:**

**Sheet M0.1**

1. Modify Demolition Note 17.
   a. Remove Existing DDC thermostat controller and turn over to owner for salvage.

**Sheet M1.1**

1. See attached sheet ADM1.0 for addition of areas where sprinkler heads may need to be relocated for the installation of new security doors.

2. An unbraided corrugated stainless steel flexible sprinkler connection will be allowed in lieu if the braided flexible sprinkler connection called for on detail 3.

**Sheet M2.1**

1. See attached sheet ADM1.0 for addition of areas where sprinkler heads may need to be relocated for the installation of new security doors.

702 28th Avenue North
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2. An unbraided corrugated stainless steel flexible sprinkler connection will be allowed in lieu if the braided flexible sprinkler connection called for on detail 3.

**Sheet M3.0**

1. See attached sheet ADM1.1 for connection of existing penthouse floor drains to new sanitary sewer piping underslab. Div. 3A to saw cut existing concrete floor to accommodate installation of new piping.

**Sheet M3.3**

1. An unbraided corrugated stainless steel flexible sprinkler connection will be allowed in lieu if the braided flexible sprinkler connection called for on detail 3.

**Sheet M4.3**

1. Revise Finned Tube Radiation Schedule **(SGR)** as follows: FTR-3 thru FTR-12 from the specified cover height of 14" to 12" and top of cover height to 15".

**PRIOR APPROVALS:**

| Section | Description | Manufacturer | Approved | Not Approved |
|---|---|---|---|---|
| - | Grilles, Registers, & Diffusers | Titus | X | |
| | Fin Tube Radiators | Vulcan | X | |

**END OF MECHANICAL ADDENDUM**

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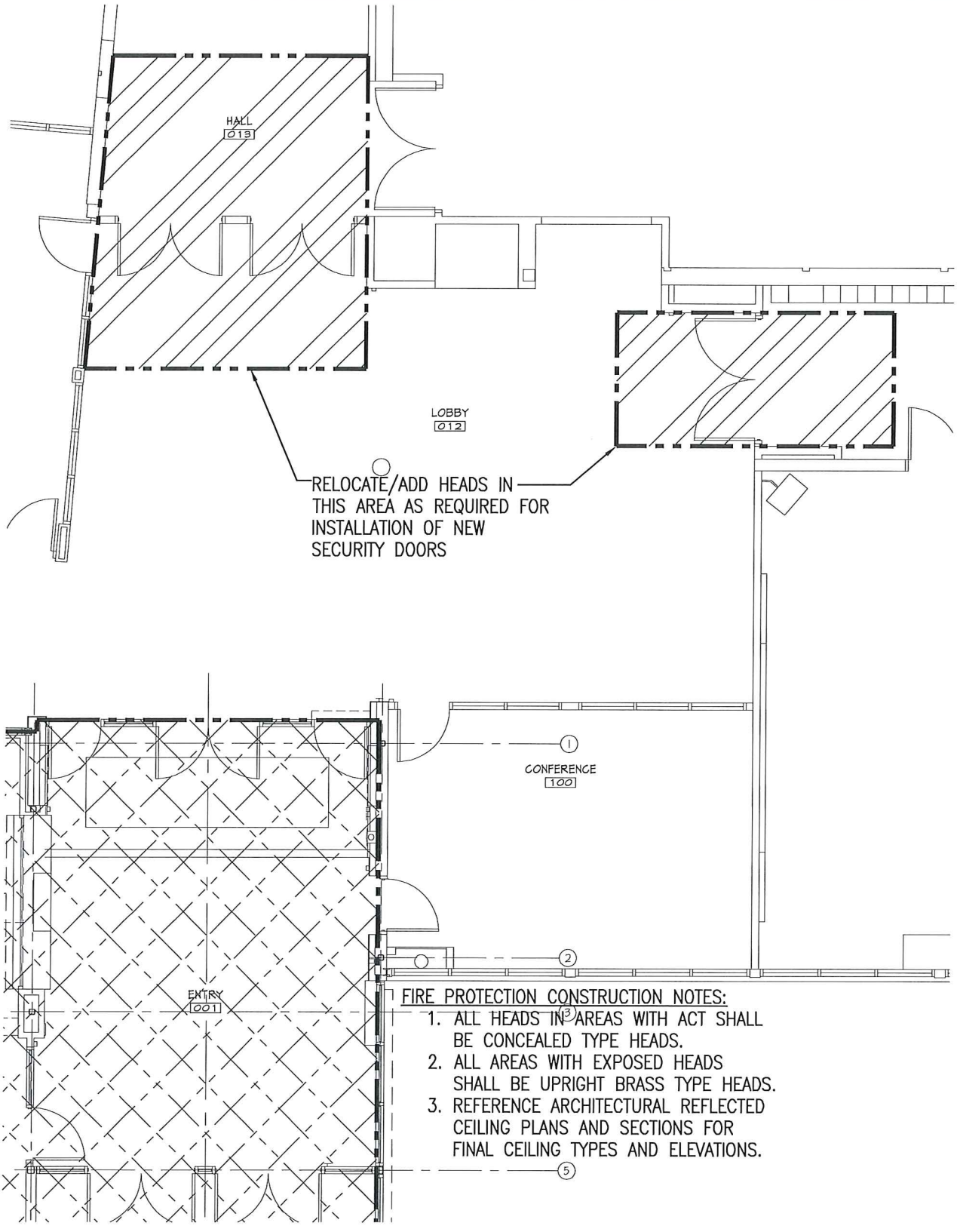



FIRE PROTECTION CONSTRUCTION NOTES:

1. ALL HEADS IN AREAS WITH ACT SHALL BE CONCEALED TYPE HEADS.
2. ALL AREAS WITH EXPOSED HEADS SHALL BE UPRIGHT BRASS TYPE HEADS.
3. REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS AND SECTIONS FOR FINAL CEILING TYPES AND ELEVATIONS.

## 1 FIRE PROTECTION REVISIONS - ASP & HOPKINS

SCALE: 1/8" = 1'-0"

REFERENCE SHEETS M1.1 & M2.1

MARTIN MECHANICAL DESIGN INC.
702 28th Ave N, Ste 200 Phone:701-293-7957 Fax: 701-293-7381
Fargo, ND 58102 Email: bmartin@martinmech.com
Project No:2016-005

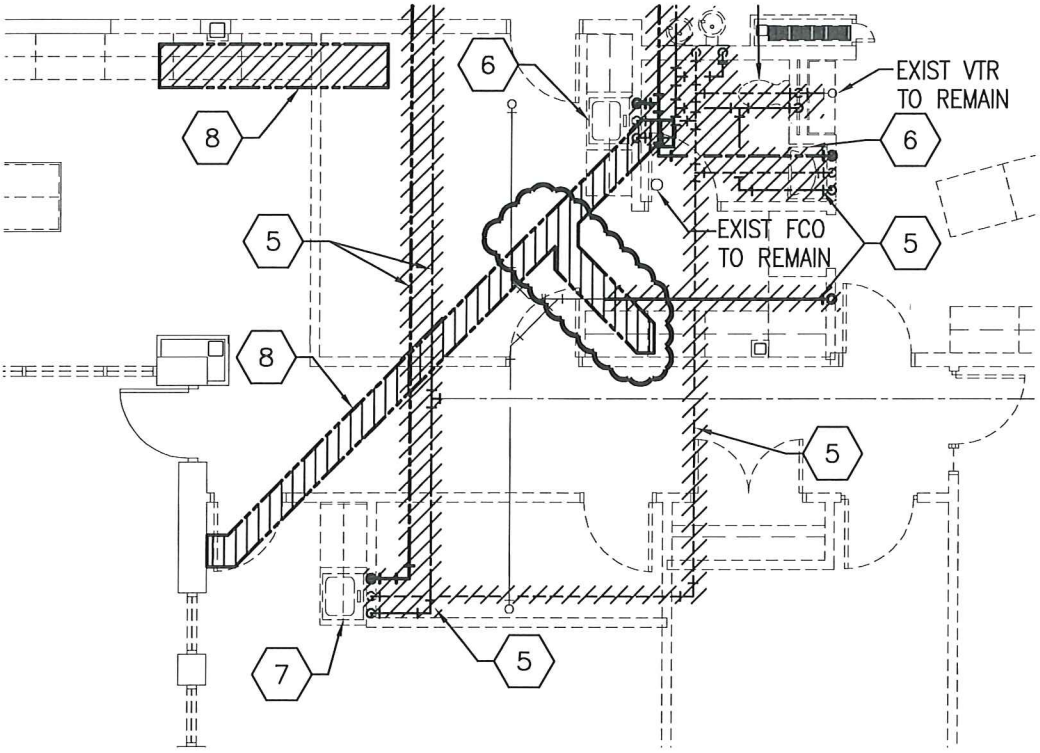
DRAWN BY: CRH
CHECKED BY: BMM
REVISION: ADM1
DATE: 03/18/16



# MAPS Elementary School Additions

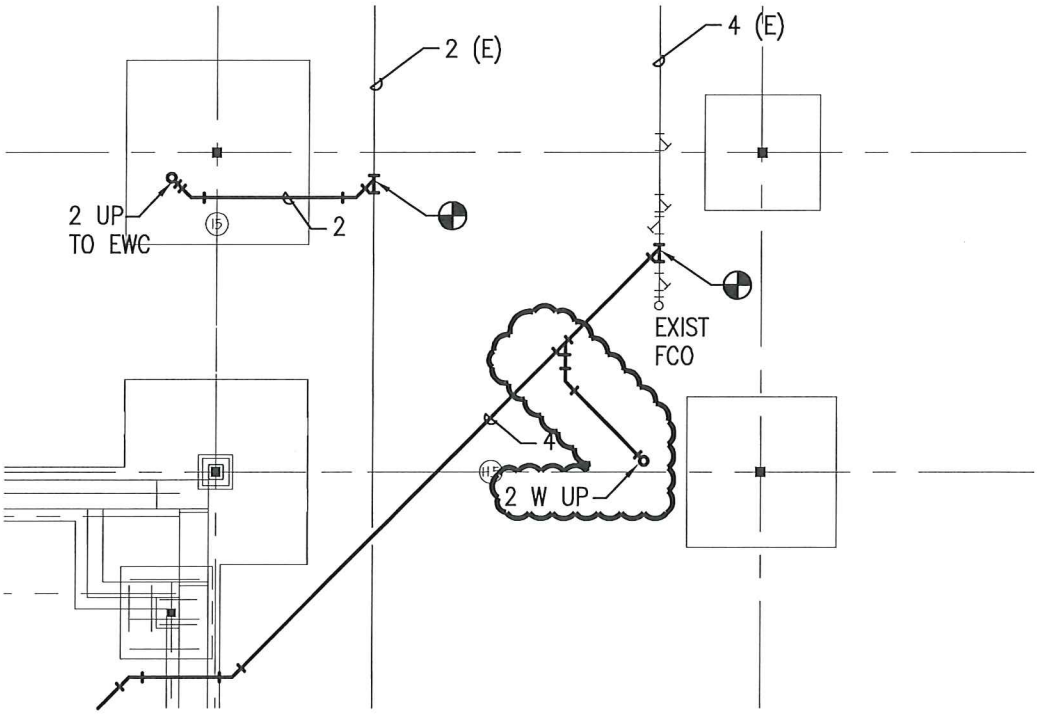
Moorhead Area Public Schools
Moorhead, Minnesota

DESCRIPTION: FIRE PROTECTION REVISIONS
SHEET NO: ADM1.0




1 PLUMBING DEMOLITION PLAN - MAIN LEVEL - SGR

SCALE: 1/8" = 1'-0" REFERENCE SHEET M3.0




2 PLUMBING REMODEL PLAN - FOUONDATION - SGR

SCALE: 1/8" = 1'-0" REFERENCE SHEET M3.0

MARTIN MECHANICAL DESIGN INC.
702 28th Ave N, Ste 200 Phone: 701-293-7957 Fax: 701-293-7381
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Project No: 2016-005

DRAWN BY: CRH
CHECKED BY: BMM
REVISION: ADM1
DATE: 03/18/16


# MAPS Elementary School Additions

Moorhead Area Public Schools

Moorhead, Minnesota

DESCRIPTION: SGR PLUMBING REVISIONS
SHEET NO:

ADM1.1

2 OF 2

MBN
ENGINEERING

March 15, 2016

Mr. Kerry Peuser
Michael J. Burns Architects, Ltd.
824 Center Avenue
Moorhead, MN 56560

Subject: Moorhead Elementary School Additions
Addendum No. 1 – Electrical Items

Please include the following electrical addendum items in the next addendum to be issued for the project.

***Changes to the Drawings***

Sheet E0.1 – Luminaire Schedule

1. Provide an allowance of $1450.00 for each type P1 fixture.

Sheet E1.1 – First Floor Plan – Power

1. Reception desk coiling door clarification – The coiling door is to be controlled in 3 ways. The electrical contractor shall provide the necessary relays for the door to operate in the following manner:
   - The salvaged wall control switch shall operate the door in both an up and down manner.
   - The under desk buttons (noted in systems plan note #7) located at the reception desks shall close the door completely with a single push of the button.
   - In the event of a building lockdown signal, the door shall close completely.

Sheet E1.1 – First Floor Plan – Systems

1. Add the following to plan note #9. 'The button shall also close the coiling door at the reception desk in the event of a building lockdown signal. Provide all necessary relays'.

Sheet E2.0 – First Floor Plan – Lighting

1. Entry 001 – The remote ballasts for fixture type 'L1' are to be mounted in the accessible ceiling space directly north of the fixture locations.
2. Lobby 012 – The 2'x2' fixtures should be labeled 'B2' in lieu of 'B1'.

Sheet E2.1 – First Floor Plan – Power

1. Power Plan Notes: Change Plan Note 2 to the following:
   'Install wall control switch provided with the coiling door'.

2. Reception desk coiling door clarification – The coiling door is to be controlled in 3 ways. The electrical contractor shall provide the necessary relays for the door to operate in the following manner:
   - The wall control switch shall operate the door in both an up and down manner.
   - The under desk buttons (noted in systems plan note #7) located at the reception desks shall close the door completely with a single push of the button.
   - In the event of a building lockdown signal, the door shall close completely.

3. Delete the switches and plan note 2 shown at the reception desks.

Sheet E2.1 – First Floor Plan – Systems

1. Add the following to plan note #8. 'The button shall also close the coiling door at the reception desk in the event of a building lockdown signal. Provide all necessary relays'.

Sheet E3.0 – First Floor Plan – Lighting

1. Lobby 012 – The 2'x2' fixtures should be labeled 'B2' in lieu of 'B1'.

Sheet E3.1 – First Floor Plan – Power

1. Power Plan Notes: Change Plan Note 2 to the following:
   'Install wall control switch provided with the coiling door'.

2. Reception desk coiling door clarification – The coiling door is to be controlled in 3 ways. The electrical contractor shall provide the necessary relays for the door to operate in the following manner:
   - The wall control switch shall operate the door in both an up and down manner.
   - The under desk buttons (noted in plan note #7) located at the reception desks shall close the door completely with a single push of the button.
   - In the event of a building lockdown signal, the door shall close completely.

3. Delete the switches and plan note 2 shown at the reception desks.

4. Power plan note #7 is not used.

Sheet E3.1 – First Floor Plan – Systems

1. Add the following to plan note #8. 'The button shall also close the coiling door at the reception desk in the event of a building lockdown signal. Provide all necessary relays'.

***Prior Approvals***

Section 26 51 00 – Interior Lighting

| Type | Manufacturer | Series |
|---|---|---|
| L1 | Amerlux | Linea 1.5 |
| L1 | Peerless | SQM4 |

Sincerely,

Michael A. Berger, P.E.
Electrical Engineer