

CITY OF DULUTH – COMFORT SYSTEMS INTERIOR REMODELING
DULUTH, MINNESOTA

ADDENDUM NO. 03

The following Addendum shall be appended to and become part of the Plans and Specifications for City of Duluth – Comfort Systems Interior Remodeling – Duluth, MN.

This Addendum supersedes and supplants all previous reference to similar items.

Architecture Advantage, LLC
1434 East Superior Street
Duluth, Minnesota 55805

Addendum Item:

General

1. See attached sign in sheet from the second pre-bid walk through on 07.18.14.

Changes to the Specification

2. **081113** **HOLLOW METAL DOORS AND FRAMES**

2.3 STANDARD HOLLOW METAL DOORS

- B. Interior Doors: Face sheets fabricated from cold-rolled steel sheet. Provide doors complying with requirements indicated below by referencing ANSI/SDI A250.8 for level and model and ANSI/SDI A250.4 for physical performance level:
1. ~~Level 1 and Physical Performance Level C (Standard Duty), Model 1 (Full Flush).~~
 1. Level 2 and Physical Performance Level B (Heavy Duty), Model 1 (Full Flush).
 - a. Width: 1-3/4 inches.

2.4 STANDARD HOLLOW METAL FRAMES

- B. Interior Frames: Fabricated from cold-rolled steel sheet.
1. Fabricate frames with mitered or coped corners.
 - ~~2. Fabricate frames as knocked down unless otherwise indicated.~~
 - ~~3. Fabricate knocked-down, drywall slip-on frames for in-place gypsum board partitions.~~
 4. Frames for Level 1 Steel Doors: 0.042-inch-thick steel sheet.
 5. Frames for Level 2 Steel Doors: 0.053-inch-thick steel sheet.
 - ~~6. Guestroom interior frames to be Timely standard TA-30 with colonial steel snap lock trim in pre-matched custom finish or approved equal.~~
 7. Fabricate knocked-down, drywall slip-on frames for in-place gypsum board partitions.
 8. Frames for Level 2 Steel Doors: 0.053-inch-thick steel sheet.

Changes to the Plans

3. **A2.1** **SCHEDULES, INTERIOR ELEVATIONS**

DOOR SCHEDULE:

157B: Door type to be WD (D-2).

157C: Door type to be WD (D-2).

177A: Door type to be WD (D-2).

178A: Door type to be WD (D-2).

MECHANICAL AND ELECTRICAL PLANS

4. See attached addendum No. 3 from Gausman & Moore dated July 24, 2014 for changes to mechanical and electrical drawings.

End of Addendum 03

Architecture Advantage, LLC

Sign-in Sheet

City of Duluth Comfort Systems Interior Remodel
Second Prebid - 07.18.14

Print Name: <u>Stacey Hartner</u> Phone: _____ E-Mail: _____	Company: <u>Architecture Advantage</u> Address: _____ _____ _____
Print Name: <u>RICK HART</u> Phone: _____ E-Mail: <u>Rick@duluthElectrical.com</u>	Company: <u>Duluth Electrical Contracting</u> Address: _____ _____ _____
Print Name: <u>Bernie Serre</u> Phone: <u>818-725-3404</u> E-Mail: <u>Bernie.Serre@PARSONSCORP</u>	Company: <u>Parsons Technologies</u> Address: <u>2515 W. Superior St</u> _____ _____
Print Name: <u>Jason Eich</u> Phone: <u>651-226-5627</u> E-Mail: <u>jason.eich@parsonscorp.com</u>	Company: <u>Parsons Technologies</u> Address: <u>2515 W Superior St.</u> _____ _____
Print Name: <u>Rick Johnson</u> Phone: <u>628-3323</u> E-Mail: <u>RJohnson@huntelec.com</u>	Company: <u>Hunt Electric</u> Address: <u>4330 West 1st St</u> <u>Duluth, MN 55807</u>
Print Name: <u>MIKE ST. CYR</u> Phone: <u>624-6505</u> E-Mail: <u>mst.cyr@huntelec.com</u>	Company: <u>HUNT ELECTRIC</u> Address: <u>4330 WEST 1ST ST</u> <u>DULUTH, MN 55807</u>
Print Name: <u>Duane Holm</u> Phone: <u>625-2257</u> E-Mail: <u>duane@donaldholmconst.com</u>	Company: <u>Donald Holm Const. Co.</u> Address: <u>3011 W 3rd St.</u> <u>Duluth, MN 55804</u>
Print Name: <u>Denny Downville</u> Phone: <u>727-6682</u> E-Mail: <u>ddownville@swanson-young-dale.com</u>	Company: <u>Swanson Young Dale</u> Address: <u>3805 Prosperity Rd</u> <u>Duluth, MN 55811</u>

ADDENDUM

THE FOLLOWING DRAWINGS ARE ATTACHED HERETO:

ARCHITECT:
Architecture Advantage
1434 E. Superior Street
Duluth, MN 55805

OWNER:
City of Duluth

ADDENDUM NO. 3

PROJECT:
City of Duluth Comfort Systems
G&M Project No. 83209

DATE: July 24, 2014

Sent from:

St. Paul Office
700 Rosedale Tower
1700 Highway 36 West
St. Paul, MN 55113
Phone: 651-639-9606
FAX: 651-639-9618

Duluth Office
Suite 310
501 South Lake Avenue
Duluth, MN 55802
Phone: 218-722-2555
FAX: 218-722-9306

Santa Clarita Office
Suite 205
26415 Carl Boyer Drive
Santa Clarita, CA 91350
Phone: 661-291-1978
FAX: 661-291-6213

To: Prime Contract Bidders and all others to whom the Project Manual and the Project Drawings have been issued by the Architect/Engineer or Contractor.

This Addendum is a Contract Document and may apply to any or all Contracts and subcontracts. Unless otherwise specified herein or shown on the attached drawings (if any), all work required by this Addendum shall be in complete accord with the Contract Documents and subsequent Addenda thereto.

The items listed in this Addendum are not in any order in regard to the Project Drawings or the Project Manual. All contractors are cautioned to examine each and every item of this Addendum.

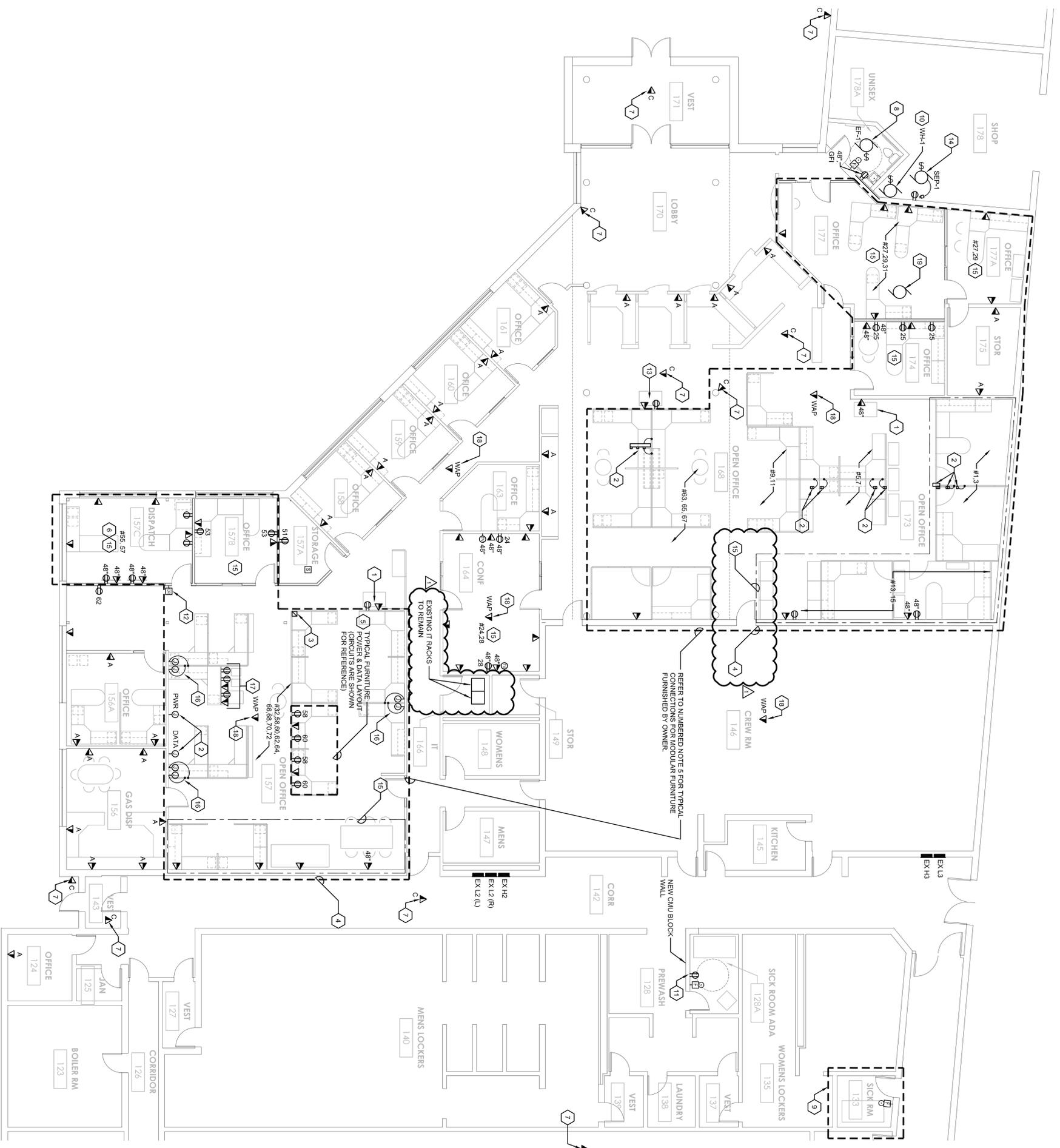
The bidder shall insert the Addendum number in the space indicated on the Project Proposal Form. Failure to comply may result in the bid being rejected.

<u>ITEM</u>	<u>REFERENCE</u>	<u>CHANGE/COMMENTS</u>
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CHANGES TO ELECTRICAL DRAWINGS

- | | | |
|----|------------|---|
| 1. | SHEET E1.0 | Revise ' <u>Copper Horizontal Cable</u> ' under section 27000 General Provisions For Communications: Part 2-Products as follows: Horizontal voice and data cable shall be Category 6 and 6a (WAP locations only) and shall be one of the following products: Berk-Tek (LANmark 2000), Commscope (UltraPipe), General (GenSPEED 6500), Hitachi (Supra 660), Superior Essex (DataGrain 6+), or prior approved equal, Industry standard conductor Insulation color coding (blue, orange, green, brown). Reuse of existing CAT 6 cable is acceptable if the cable is tested, certified, and meets all code requirements. |
|----|------------|---|

2. SHEET E1.0 Add the following under Section 27000 General Provisions For Communications: Part 1 General-‘Common Work Results’: Remove existing Category 5 cables at existing workstation and copier locations that are part of this renovation: cables, connectors, and patch panels no longer in use and removed in the renovated areas shall be disposed of by the Contractor. Utilize existing 4-post open frame server racks for new Category 6 and 6a work. Coordinate phasing of Category 6 system installation. Provide new Category 6 and 6a horizontal cables, faceplates, adaptor plates, patch panels, patch cables, cable supports and accessories necessary to provide the Owner with a complete and operational communications cabling system for voice/data locations indicated on the drawings. Provide Category 6a cables at all WAP locations. Label, test, and document Category 6 and 6a cabling. **It is the Contractors responsibility to maintain service continuity to staff not affected by construction.**
3. SHEET E1.0 Revise ‘Termination Blocks and Patch Panels’ under Section 27000 General Provisions For Communications: Part 2- Products as follows: Horizontal computer and workstation data cables will be terminated on rack mounted Category 6 and 6a patch panels mounted in the equipment rack. Patch panels shall be 24 or 48 ports (sized as required for quantity of new cables plus a minimum of 10% spare ports) and shall be product from Commscope, Leviton, Hubbell, OCC, Ortronics, Panduit, Tyco or prior approved equal. **Reuse of existing Category 6 patch panels is acceptable if the patch panels are tested, certified, and meets all code requirements.**
4. SHEET E1.0 Revise ‘Identification (Labeling)’ under Section 27000 General Provisions For Communications: Part 3 Execution as follows: Identification and labeling for communications shall conform to ANSI/TIA/EIA 606 standards and match existing labeling system. Both ends of all communications cables, workstation jacks, patch panels, and equipment racks shall be labeled with permanent polyester labels **and color coded as follows: Blue-Voice/Data, Green-WAPS, and Red-Cameras and Door Access.**
5. SHEET E4.0 Revise numbered notes 5,7,12 and 18 as shown clouded on plan.
6. SHEET E4.0 Delete numbered note 6 associated with existing data rack as shown clouded on plan.
7. SHEET E4.0 Revise numbered note 4 in open office 168 and add numbered note 15 as shown clouded on plan.



1 POWER AND SYSTEMS PLAN
SCALE: 1/8" = 1'-0"
E4.0

NUMBERED NOTES:

1. EXISTING COPY MACHINE LOCATION TO REMAIN.
2. UTILIZE EXISTING FLOOR BOXES AND WALL CIRCUIT EXTENSION AND VOICEDATA CABLING EXTENSION TO FURNITURE AS INDICATED ON PLANS. UTILIZE WHIPS MADE AVAILABLE BY DEMOLITION. PROVIDE NEW AS REQUIRED. PROVIDE COORDINATE EXACT LOCATION WITH OWNER FROM ROOM NUMBER PER ADDITIONAL INFORMATION.
3. TYPICAL PROVIDE 2-CHANNEL POWER POLE SIZE AS REQUIRED. PROVIDE EXTENSION OF POWER AND DATA CABLING TO FURNITURE SYSTEM. REUSE OF EXISTING POWER POLE IS ACCEPTABLE.
4. REFER TO NUMBERED NOTE #5 FOR POWER AND DATA REQUIREMENTS. CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE. FIELD VERIFY PRIOR TO INSTALLATION.
5. TYPICAL PROVIDE (2) TWO RECEPTACLES AND (1) ONE VOICEDATA OUTLET TWO DROPS PER BOX/PER DESKTOP. UTILIZE EXISTING RECEPTACLES AND DATA JACKS PROVIDED WITH FURNITURE TO EXTENT AVAILABLE. LOCATIONS ARE SHOWN FOR REFERENCE. PROVIDE NEW AS REQUIRED. PROVIDE COORDINATE EXACT LOCATION WITH OWNER FROM ROOM NUMBER PER ADDITIONAL INFORMATION. PROVIDE FIELD DETERMINE, BASED ON EACH INDIVIDUAL LOCATION, APPROPRIATE METHOD TO EXTEND VOICEDATA/POWER VIA FLOOR BOX(S), WALL, AND/OR POWER POLE.
6. CONNECT RECEPTACLES IN DISAPATCH TO NEAREST LIFE SAFETY EMERGENCY PANEL. UTILIZE (2) TWO SPARE 20AMP CIRCUIT BREAKERS IN PANEL.
7. PROVIDE CAT 6 DATA DROP AT LOCATION INDICATED FOR FUTURE SECURITY CAMERA INSTALLATION IN COVER PLATE. IN OPEN CEILING STUDS CONDUIT BELOW ROOF DECK AND PROVIDE J-BOX WITH AID RING AND BLANK COVERPLATE. VERIFY EXACT LOCATION(S) WITH OWNER PRIOR TO INSTALLATION. ROUTE CABLE TO IT Rm.
8. PROVIDE CONNECTION TO EXHAUST FAN PER VIA PANEL. L3 WITH 2 #12 + G IN 1/2" UTILIZE SPARE 20AMP CIRCUIT BREAKER. CONNECT TO LOCAL LIGHTING CONTROL IN THIS ROOM FOR CONTROL. PROVIDE LOCAL DISCONNECT AS REQUIRED.
9. EXISTING RECEPTACLES IN THIS AREA TO REMAIN.
10. PROVIDE CONNECTION TO ELECTRIC WATER HEATER WHI-VIA PANEL. L3 WITH 2 #12 + G IN 1/2". PROVIDE LOCAL DISCONNECT SWITCH MOUNTED ON UNIT.
11. PROVIDE FLUSH MOUNTED RECEPTACLE IN NEW CMU WALL. CONNECT TO NEAREST NON-KNCP PROTECTED RECEPTACLE CIRCUIT.
12. PROVIDE EMPTY CONDUIT WITH PULL STRING ROUTED TO IT Rm FOR OWNER FURNISHED CABLE OWNER PRIOR TO ROU-SHIN.
13. PROVIDE RECEPTACLE AND VOICEDATA OUTLET INTEGRAL TO THE FURNITURE SYSTEM FOR COPY MACHINE.
14. PROVIDE CONNECTION TO SEWAGE EJECTOR SERP-1 VIA PANEL. L3 WITH 2 #12 + G IN 1/2". UTILIZE SPARE 20AMP CIRCUIT BREAKER. PROVIDE DUPLEX RECEPTACLE MOUNTED ON WALL ADJACENT SEWAGE EJECTOR FOR CONTROL PANEL. POWER PROVIDE LOCAL DISCONNECT AS REQUIRED.
15. UTILIZE EXISTING WALL MOUNTED RECEPTACLES AND VOICEDATA OUTLETS IN THIS ROOM/AREA TO FACILITATE WALL CONSTRUCTION AND REVISED FURNITURE LAY-OUT. EXTEND EXISTING CIRCUITING TO NEW RECEPTACLES AS INDICATED.
16. PROVIDE JUNCTION BOX AT 1' AFF FOR POWER AND VOICEDATA CABLEWHIP EXTENSION TO FURNITURE. COORDINATE LOCATION OF JUNCTION BOX WITH POWERED FURNITURE SPINE TO FACILITATE CABLEWHIP LENGTH.
17. PROVIDE DEDICATED RECEPTACLE AND VOICEDATA OUTLET FOR EACH COPY MACHINE AND/OR PRINTER.
18. PROVIDE DATA JACK MOUNTED ABOVE ACCESSIBLE GELING WITH 3 PATCH CORD FOR WAP. PROVIDE (3) DATA JACKS MOUNTED ABOVE ACCESSIBLE GELING MANUFACTURED BY OBERON MODEL 1094-233 INSTALLED IN LOCATIONS DETERMINED BY OWNER. VERIFY IF ENCLOSURES ARE TO BE SURFACE MOUNTED OR RECESSED.
19. PROVIDE CONNECTIONS TO NEARBY CMU WALLS AS REQUIRED. VERIFY ALL REQUIREMENTS WITH MECHANICAL CONTRACTOR.

GENERAL NOTES:

- A. CONNECT NEW CIRCUITING SHOWN TO PANEL L2 (R & L) UNLESS OTHERWISE NOTED.
- B. BID ALTERNATE NO. 05: PROVIDE CONDUIT STRIP WITH J-BOX AND MID-RING BEHIND ROOF DECK FOR FUTURE VOICEDATA DROP AT WAP LOCATIONS AS FOLLOWS: (1) PAINT SHOP, (1) METER SHOP, (1) WELD SHOP, AND (1) WATER/SHOP. COORDINATE EXACT LOCATION WITH OWNER FROM ROOM NUMBER PER ADDITIONAL INFORMATION ON THE BID FORM.
- C. BID ALTERNATE NO. 01: PROVIDE ALL DEVICES AND/OR EQUIPMENT INDICATED ON THIS PLAN ASSOCIATED WITH RESTROOM (178A) ADDITION. THIS INCLUDES BUT IS NOT LIMITED TO: FIRE ALARM DEVICES; REFER TO BID ALTERNATE NO. 01 ON THE BID FORM.
- D. BID ALTERNATE NO. 04: PROVIDE 120V CONNECTIONS TO MOTORIZED DAMPERS OFFICE 168 PER MECHANICAL PLANS. REFER TO BID ALTERNATE NO. 04 ON THE BID FORM.
- E. BID ALTERNATE NO. 05: PROVIDE CAT 6 CABLING AND ASSOCIATED CAT 6 DEVICE REPLACEMENT IN THE RENOVATED AREA. THIS INCLUDES BUT IS NOT LIMITED TO ALL VOICEDATA OUTLETS INDICATED WITH AN "X" AND ASSOCIATED PATCH PANELS. AND PATCH CORDS. CONTRACTOR TO FIELD VERIFY EXACT QUANTITY PRIOR TO BID. REFER TO ALTERNATE NO. 05 ON THE BID FORM.
- F. BID ALTERNATE NO. 02: PROVIDE ALL DEVICES AND/OR EQUIPMENT INDICATED ON THIS PLAN ASSOCIATED WITH SICK ROOMS 128A AND 133. THIS INCLUDES BUT IS NOT LIMITED TO RECEPTACLES, MECHANICAL EQUIPMENT, AND ALTERNATE NO. 02 ON THE BID FORM.

**City of Duluth
Comfort Systems**

PROJECT NO: 83209
DRAWN BY: L.HATTENBERGER
CHECKED BY: S.HAEDTKE

SHEET TITLE:
POWER AND SYSTEMS PLAN

Gausman & Moore
Mechanical and Electrical Engineers
501 SOUTH LAKE AVENUE SUITE 310
DULUTH, MINNESOTA 55802
(218)722-2555 FAX 722-9306
Project No. 83209



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Phone: 218.724.5568 - Fax: 218.724.5589; EMail: info@architectureadvantage.com

RELEASE DATE:
REVISIONS:
APPENDIX 03 - 07/24/14

SHEET NO.
E4.0
OF

I hereby certify that the plan specification or other data herein prepared by me, or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Date: 06/26/2014 Reg. No. 24611