ADDENDA
ADDENDUM No. 1

Date: July 12, 2017

Project: OCHC Satellite Pharmacy

Project Number: 16-013

Owner: Oneida Nation

Architect: Oneida Engineering Department
N7332 Water Circle Place
Oneida, WI 54155

To: Invited Bidders

This Addendum forms a part of the Contract Documents and modifies the Request For Proposals dated June 29, 2017 , with amendments and additions noted below.

Acknowledge receipt of this Addendum on the completed Proposal Form.

This Addendum consists of 1 typed pages including this sheet and the following attachments:

Pre-Proposal Conference sign-in sheet 1 page

CHANGES TO PROJECT SCOPE Document:

	Specification Section	Page No.	Paragraph No.	Description of Revision
1.	Division 9 - Finishes	6	11.1.1	Replace with: “Floors: existing epoxy to remain, patch as required by demolition and new work.”
2.	Division 9 - Finishes	6	11.1.2	Replace with: “Base: 4” Vinyl on new wall. Existing epoxy base to remain on existing walls.”

ONEIDA TRIBE OF INDIANS OF WISCONSIN
ENGINEERING DEPARTMENT
N7332 Water Circle Place
Oneida, WI 54155
(920) 869-1600
(920) 869-1610 FAX

DATE 7/11/17
CLIENT
PROJECT OCHC - SATELLITE Rx
PROJECT NO. 16-013
BY _____ PAGE ___ OF ___

SIGN-IN SHEET — PRE PROPOSAL WALK-THRU

NAME	COMPANY
GARY KRUEGER	JIM CORNELL PLUMBING
Dan Roarty	Dimension IV
Jeff Krumbach	CCS
Barry Christenson	HJ Martin
Dave LeMay	TGHS dave.lemay@tweetgroup.com
Paul Rose	GBAG
Sara Buske	OTTE
Mike Bark	Commercial Interiors
JED VANDENLANGENBERG	COMMERCIAL INTERIORS
CHAD GRUNWALD	CURRENT ELECTRICAL SERVICES
PHIL STEINHOFER	HURECKMAN MECH
RICK GEURTS	IBI GENERAL CONT
PAUL WITEK	ONEIDA ENGINEERING
DAVID LARSON	OCHC
JIM POELS	OCHC - PHARMACY
KATHY DANFORTH	OCHC - PHARMACY
JEREMY VANDEHEI	AJRCCC MAINTENANCE

REQUEST FOR PROPOSALS
For

OCHC Satellite Pharmacy

Project Number: 16-013

June 29, 2017

See paragraph 5.2 for required submittal deadline.

ONEIDA NATION
Engineering Department
P.O. Box 365
Oneida, Wisconsin 54155

TABLE OF CONTENTS

1. INTRODUCTION

1.1. The ONEIDA NATION, Selection Committee hereby requests Proposals from qualified firms to provide Design/Build services for the proposed *OCHC Satellite Pharmacy*. Upon receipt of the Proposals the Selection Committee will review statements and select a firm based upon the selection procedure identified in section six of this RFP.

1.2. The Selection Committee consists of the following individuals: Senior Tribal Architect, the project manager, DPW - Facilities Representatives, and representatives of the ultimate occupants of the project.

1.3. Questions regarding this RFP should be directed to the appropriate individual listed below, prior to the submittal date.

1.3.1. Paul J. Witek, AIA - Senior Tribal Architect at 920-869-4543 or pwitek@oneidanation.org.

2. BACKGROUND INFORMATION

2.1. TENANT DESCRIPTION: The Oneida Community Health Center (OCHC) provides the highest quality, holistic health care to improve the health and wellness of the Oneida Community. All services are continually monitored and evaluated to permit the organization to meet the demands of the community's growth. New services, technology, equipment, and customer demand are continually being considered to support advanced and continuous quality health service for the Oneida Community. The Pharmacy provides services under the management of the OCHC. A full team of Registered Pharmacists, Pharmacy Technicians and Pharmacy Registration & Clerk personnel are utilized to service the pharmacy needs.

2.2. The Pharmacy is expanding existing services to the Anna John Resident Centered Care Community (AJRCCC) and providing different options for fulliling current needs at the pharmacy.

3. DESCRIPTION OF PROJECT

3.1. GENERAL DESCRIPTION: The project will construct a satellite pharmacy space within the AJRCCC in what is now storage area. The new space will be a fully functional pharmacy with specific tasks that support the main pharmacy at OCHC. Modifications to the existing building systems will be needed to accommodate the new use of the remodeled space.

3.2. BUILDING DESIGN REQUIREMENTS: denoted in the Project Scope document included in Appendix.

3.3. SITE LOCATION: The project is located within the Anna John Resident Centered Care Community (AJRCCC) at 2901 S. Overland Road, Oneida, WI.

4. SCOPE OF SERVICES

4.1. Denoted in the Project Scope document included in Appendix.

5. SUBMITTAL REQUIREMENTS

5.1. Complete the Proposal Form included in the Appendix.

5.2. Your electronic submittal (PDF format) shall be e-mailed no later than (3:30 pm, CDT) on July 21, 2017. Submittals shall be e-mailed to:

Fawn Cottrell, Contract Processor
fcottrel@oneidanation.org

And

Paul J. Witek, Senior Tribal Architect
pwitek@oneidanation.org

6. SELECTION PROCEDURE

6.1. The completed Proposal Forms will be reviewed for completeness to determine if all submission requirements were met. Failure to submit complete documents may result in the Proposal being rejected. In the event that all Proposals are judged incomplete, the ONEIDA NATION reserves the right to select the Proposal which in its opinion most nearly meets all the requirements of this Request for Proposals.

6.2. The completed Proposal Forms will be reviewed and scored by each Selection Committee member. The criteria for scoring are based upon the submittal requirements identified in paragraph 6.3. The highest scoring firm will be invited to begin the contract award process.

6.2.1. In the event the Selection Committee does not have consensus that the high scoring firm is the appropriate choice, then the Oneida Nation reserves the right to invite the two or three highest scoring firms to be interviewed by the Selection Committee.

6.3. The criteria for scoring are based upon the submittal requirements identified on the Proposal Form with the following relative importance of the criteria:

Criteria	Weighted Maximum Score
Proposal Form properly completed	15
Proposed Project Team	15
Experience with Oneida Nation	10
Related experience of Design-Build firm	25
Indian Preference - Percentage of employees who are enrolled members - Percentage of work by certified Indian-Owned companies - Lead Firm certified Indian-Owned - Past Performance on compliance with law of Lead Firm	25
Design-Builder GMP	50
Total Possible Score:	140

6.4. All firms submitting Proposals will receive a summary of the scoring results.

7. CONTRACT REQUIREMENTS

7.1. The selected firm will execute a modified AIA Document A141-2014 Standard Form of Agreement Between Owner and Design-Builder with a Guaranteed Maximum Price (GMP). The modifications to the standard document are included in the Appendix.

7.2. The firm selected for this contract will be required to obtain an Oneida Vendor's License, prior to being given notice to proceed with the work. The annual fee for the license is due upon application, contact the Oneida Licensing Department at 920-496-5311.

7.2.1. An Oneida Vendor's License is not required for submission.

7.3. Oneida Indian Preference Law; basically this law requires contracts entered into by the Oneida Nation must apply Indian Preference for goods and services. Preference is intended to give an advantage to Indian-owned companies and Native American employees in contracting. It is our practice to include Indian Preference as one of the scored selection criteria. Firms utilizing Indian-owned consultants, employing tribal members, and/or Indian-owned firms will receive scores in the Indian Preference category.

7.3.1. The firm selected for this contract and all Contractors, regardless of tier, are subject to the Oneida Code of Laws, Chapter 502 - Indian Preference in Contracting Law. Law is available for download on the Oneida Nation website (https://oneida-nsn.gov/government/register/laws/).

8. SCHEDULE

8.1. The following schedule shall be used for this solicitation (subject to change due to required approvals):

June 29, 2017	Request for Proposals (RFP) issued.
July 21, 2017	Proposals due at Oneida Engineering Department.
July 28, 2017	Notification to firms of selection.
Aug. 25, 2017	Selected firm to receive signed contract and can begin design work.

9. APPENDIX

Oneida Nation – Modifications to:

AIA Document A141 – 2014
Standard Form of Agreement Between Owner and Design-Builder

Revised: March 15, 2017

D.1 In the event of any inconsistency between this Exhibit and any other provision of this Agreement, this Exhibit shall control.

D.2 Retyping the entire standard document will not be allowed. The standard form may be modified by striking out language and adding underlined new language directly on the pre-printed form or in an exhibit listed under Section 16.1.6.

D.3 Change Section 1.1.11 by adding the word “significant” prior to the word “change”.

D.4 Add Section 3.1.3.1.1 to read: “The Project shall be developed using reasonable care and competence in complying with applicable laws, statutes, ordinances, codes, rules and regulations in force as of the date of the agreement, consistent with Wisconsin Rules of Professional Conduct, chapter A-E 8, reference A-E 8.09(1).”

D.5 Add Section 3.1.3.1.2 to read: “The Project shall be designed and constructed to comply with the Oneida Code of Laws, Chapter 66 - Building Code. As such, the Design-Builder shall use professional standard of care to ensure compliance with said code.”

D.6 Add Section 3.1.7.1 to read: “The Design-Builder shall schedule, complete application, and submit required documents to the State of Wisconsin for plan approval. Cost of plan review fee shall be a Reimbursable Expense.”

D.7 Change Section 3.1.10 by deleting the words “Upon the Owner’s written request,” at the beginning of the paragraph and by adding the following to the end of the paragraph “Said certificates shall be submitted to Owner with the final construction document set.”.

D.8 In Section 3.1.14.1 add: “Further, such obligation shall exceed/survive all of the insurance available to the Owner and its agents and employees.” to the end of the paragraph.

D.9 Add Section 5.4.1 to read as follows:

D.9.1 Section IV subparagraph F.3.b of the State of Wisconsin Department of Revenue Publication 207 (10/00), titled Sales and Use Tax Information for Contractors (www.dor.state.wi.us/pubs/00pb207), indicates non-native American contractors may be exempt from Wisconsin State sales tax on certain construction materials delivered to the reservation for use in Tribal projects if Federal Preemption applies. Federal Preemption applies to the Oneida Reservation.

D.9.2 It is the Design-Builder’s responsibility to ascertain the applicability of this State publication to this Tribal project. Contractors who are uncertain as to what items are subject to tax, or who require further explanation or clarification, are requested to contact the Wisconsin Department of Revenue.

D.10 Add Section 5.6.3.1 to read: “Design-Builder shall notify Owner of time frames necessary for selection of materials and equipment under allowance in order not to cause a delay in the Work.”

D.11 Add Section 5.7.4 to read as follows: “The Design-Builder shall have a qualified superintendent on the project site at all times during the Project while work is being performed. The Owner shall have the right to review the qualifications of Design-Builder’s superintendent, including by personal interview, and reject the superintendent at Owner’s discretion. Design-Builder will not be entitled to additional compensation for replacing superintendent. Changes to the superintendent during the course of the Project are subject to Owner review per Section 5.7.”

D.12 Delete Section 6.3.9 in its entirety.

D.13 Add Section 9.2.1 to read as follows: “The schedule of values submitted shall identify the company name of each subcontractor and the subcontract value; this will replace the general description of the individual item of work. Where an item of work is self-performed by the Design-Builder, denote such and organize by CSI Master Format section. Where an item of work has not had a Contractor determined at the time, denote as TBD and organize by CSI Master Format section.

D.14 Delete Section 9.3.1.1 in its entirety.

D.15 In Section 9.3.3 delete the words “other than Instruments of Service” in the first sentence.

D.16 Delete Section 9.4 in its entirety.

D.17 Delete Section 9.6.1 in its entirety and replace with the following: “The Owner shall make payment of the approved amount, in the manner and within the time provided in the Design-Build Documents.”

D.18 Add Section 9.6.4.1 to read: “With each Application for Payment submit a signed waiver of lien from the Design-Builder and every entity who may be legally entitled to file a mechanic’s or other lien against the Work, covering the Work performed during the period covered by the previous Application for Payment.”

D.19 Add Section 9.10.4.4 to read: “Latent defects”.

D.20 Add Section 9.10.6 to read: “Owner will require final waivers of liens from the Design-Builder and every entity who may be legally entitled to file a mechanic’s or other lien against the Work, before Final Payment will be made.”

D.21 Add Section 10.1.2 to read: “The Contractor will provide plans for FALLS over six feet, TRENCHING five feet deep or more, protection while in CONFINED SPACES and electrical LOCK AND TAG OUT systems. Plans will include safety equipment and retrieval plan for falls and injuries. All minimum standards for safety compliance can be referenced in 29 CFR 1926 Regulations. Questions related to safety requirements can be directed to the *Oneida Nation Environmental Safety Department.”*

D.22 In Section 10.3.3 delete the words “,including but not limited to attorneys’ fees,” in the third line.

D.23 Delete Sections 12.1, 12.2, 12.3, 12.3.1, 12.3.2 in their entirety and replace with the following:

D.23.1 It is agreed that reproducible Design-Build Documents including Drawings and Specifications, reviewed copies of shop drawings, record drawings and other documents created pursuant to this Agreement by the Design-Builder and the Design-Builder's consultants/subcontractors, including all copyright and other intellectual property, in original form and on electronic media, will be prepared for a specific project and are the property of the Owner on completion and acceptance of the project, or upon termination.

D.23.2 These documents must be delivered to the Owner as follows: upon project completion, as defined in the description of Record Drawings included in this exhibit; upon termination, 14 days from the date of the notice of termination.

D.23.3 The Design-Builder shall be permitted to retain original sketches and copies, including reproducible copies of Drawings and Specifications and electronic media for: information, reference, and submittal for design awards programs, publication in books and architectural journals and archiving in museum collections.

D.23.4 The Owner grants Design-Builder a non-expiring license to use standard details and designs that are incorporated in the Design-Build Documents that the Design-Builder normally uses in its course of business, designing and constructing non-related projects. However, said license does not include use of Oneida cultural iconography or symbols on other projects, without the express written permission of the Owner.

D.23.5 In the event the Design-Builder's services are terminated prior to completion of construction, the Owner shall indemnify and hold the Design-Builder and Design-Builder's consultants/subcontractors harmless from any costs or claims for damages arising out of use of incomplete documents, any interpretation, revision, alteration or omission to the documents which are not made by the Design-Builder and his consultants. Further, should the Owner reuse the Drawings, Specifications, or other documents, or any part thereof, the seals and certifications of the Design-Builder and Design-Builder's consultants/subcontractors shall be invalid, shall not be used and shall be deleted.

D.23.6 The Design-Builder shall incorporate the requirements of this Section into all agreements with its design professionals.

D.24 In Section 13.2.1.1 delete the words "court or other".

D.25 In Section 13.2.1.3 delete the words "and damages".

D.26 In Section 13.2.4.3 delete the words "along with reasonable overhead and profit on the Work not executed".

D.27 In Section 14.1.2 delete the word "binding".

D.28 Delete Section 14.1.7 in its entirety.

D.29 In Section 14.2.5 delete the words "and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution".

D.30 In Section 14.2.6.1 delete the word "binding".

D.31 Delete Section 14.3 in its entirety and replace with the following:

D.31.1 Any claim, disputes or controversies arising out of, or in relation to the interpretation, application or enforcement of this Agreement shall be initially negotiated between the designated project representatives of both parties.

D.31.2 If negotiation between designated project representatives does not result in a settlement of the matter, it shall be referred to the president of the design/build firm and the Development Division Director for the Owner, for joint discussion and attempted resolution of the matter.

D.31.3 Both parties agree that if the matter cannot be resolved by mutual agreement of the principals, the matter will be referred to an alternate dispute resolution process which shall be mediation. Both parties agree that any claim, dispute or other matter in question arising out of or related to this agreement shall not be subject to arbitration. The parties shall endeavor to settle disputes by mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association currently in effect. Demand for mediation shall be filed in writing with the other party to this Agreement and with the American Arbitration Association. A demand for mediation shall be made within a reasonable time after the claim, dispute or other matter in question has arisen. In no event shall the demand for mediation be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter in question would be barred by the applicable statute of limitations.

D.31.4 Mediator shall be selected by and mutually agreed to by both parties. The parties shall share the mediator's fee and any filing fees equally.

D.31.5 The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Mediator shall hear the matter and provide an informal opinion and advice, none of which shall be binding on the parties, but is expected by the parties to help resolve the dispute. Said informal opinion and advice shall be submitted to the parties within twenty (20) days following written demand for mediation.

D.31.6 Nothing in this contract will be interpreted as a waiver of Owner's sovereign immunity.

D.32 Delete Section 14.4 in its entirety.

D.33 Change Section 15.1 by deleting all the words after "located".

D.34 The Owner and Design-Builder shall jointly reach decisions as to matters relating to desired aesthetic effect. If a decision cannot be made jointly the Owner's decision shall be final.

D.35 There will be no additional services or fees under this Agreement unless authorized in writing by the Owner prior to the commencement of said additional services. All consultants/subcontractors under this Agreement must be authorized in writing by the Owner.

D.36 The failure of one party to insist upon or enforce, in any instance, strict performance by the other party of any of the terms of this Agreement, shall not be construed as a waiver or relinquishment to any extent of the right to assert or rely upon such terms or right on any future occasion.

D.37 Design-Builder is required to obtain an Oneida Vendors License from the Owner's Licensing Department. Failure to obtain and maintain said license for the duration of this Agreement shall prohibit Design-Builder from receiving payment for services rendered, until such time as the license is obtained.

D.38 The Design-Builder and Design-Builder's consultants/subcontractors will comply with the requirements of *Design Standards & Criteria for Sovereign Oneida Nation of Wisconsin, Engineering Department* as supplied by the Owner.

D.39 The Design-Builder is obligated by the requirements of the Oneida Nation's *Indian Preference in Contracting Law*, understands its provisions and its bearing on the Design-Builder's rights and responsibilities, and agrees that such provisions shall govern the Design-Builder's performance of the contract.

D.39.1 Design-Builder shall require all consultants/Subcontractors to comply with the provisions of this article by insertion of the requirements hereof in a written contract agreement between Design-Builder and consultant/Subcontractor.

D.40 In addition to the services denoted within the Design-Build Documents, the Design-Builder shall provide the following services:

D.40.1 Storm Water Management: The Design-Builder shall provide erosion control plan, and storm water management plan. Design-Builder shall also prepare a storm water Operations and Maintenance Plan as described in SPS 382.36(13).

D.40.2 GSA Pricing: The Design-Builder will investigate if selected materials and products are available under the U.S. General Services Administration (GSA) Schedules. Materials and products available with this pricing structure will be identified and the Owner notified. The Design-Builder will compare the GSA pricing to the Design-Builder's pricing and provide the Owner with a report listing the materials and products; and their respective pricing.

D.40.3 Record Drawings, the Design-Builder shall prepare Record Drawings which incorporate all changes to the Work after issuance of the Construction Documents, including, but not limited to: addendum, change orders, field orders, sketches and clarifications. Incorporation of these changes shall be made part of Record Drawings and not by referencing other documents. The Record Drawings shall be recorded on electronic media in the format of AutoCAD to be delivered to the Owner as part of the project closeout. Delivery shall be within sixty (60) days of the date of Substantial Completion. Deliverables shall be: two sets of Record Drawings (paper) and one set of electronic media. The Owner will own all copyright and other intellectual property rights of the Record Documents and electronic media. The fee for this service will be billed on an hourly basis for which the fee will not exceed: $_____."

D.40.4 Eleven Month Walk-thru: The Design-Builder shall schedule with the Owner, a walk-thru of the project at eleven months after Substantial Completion to identify

items requiring correction prior to the warranty expiration. Items identified shall be denoted in a punch list document to be delivered to the Owner and promptly addressed by the Design-Builder.

D.41 **Modifications to AIA Document A141 – 2014 Exhibit A Design-Build Agreement, are as noted below**:

D.41.1 Add Section A.1.4.3.2.1 to read: “For Changes in the Work under Article 6, Change Orders that include an adjustment to the Contract Sum, the markup for overhead and profit included in the total cost shall not exceed one of the following:

D.41.1.1 For Work performed by the Design-Builder’s own forces, maximum _____ percent of the cost.

D.41.1.2 For Work performed by the Design-Builder’s Subcontractor, maximum _____ percent of the cost.”

D.41.2 Add Section A.5.1.4.2.1 to read: “Rental charges on tools and equipment shall stop when the market value of the tool or equipment have been paid by the Owner. No further rental charges will be paid by the Owner after the market value threshold is reached.”

D.41.3 Delete Section A.5.1.5.8 in its entirety.”

D.41.4 In Section A.5.1.6.3 delete the words “or nonconforming” in two places, and the words “or correction”.

D.41.5 Add Section A.5.5.1 to read as follows:

D.41.5.1 “RIGHT OF AUDIT PROVISIONS: The following elements of this provision apply only to work under and in compliance with this agreement.

D.41.5.2 Design-Builder's records which shall include but not be limited to accounting records (hard copy, as well as computer readable date if it can be made available), written policies and procedures; subcontract files (including proposals of successful and unsuccessful bidders, bid recaps, etc.); original documentation covering negotiated settlements); back charge logs and supporting documentation; general ledger entries detailing cash and trade discounts earned, insurance rebates and dividends; and any other supporting evidence deemed necessary by the Owner to substantiate charges related to this contract (all foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of (1) compliance with contract requirements, (2) proper pricing of time and materials and change orders, (3) compliance with Owner's Business Ethics policies, and (4) claims submitted by the Design-Builder or any of his payees pursuant to the execution of the contract.

D.41.5.3 Such audits may require inspection and copying from time to time and at reasonable times and places of any and all information, materials and data of every kind and character, including without limitation, records, books, papers, documents, subscriptions, recordings, agreements, purchase orders, bids, leases, contracts, commitments, arrangements, notes, daily diaries, superintendent reports, drawings, receipts, vouchers and memoranda, and any and all other agreements, sources of information and matters that may in Owner's judgment have any bearing on or pertain to any matters, rights, duties or obligations under or covered by any Contract Document. Such records subject to audit shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs, (including overhead allocations) as they may apply to costs associated with this contract.

D.41.5.4 The Owner or its designee shall be afforded access to all of the Design-Builder's records, and shall be allowed to interview any of the Design-Builder's employees, pursuant to the provisions of this article throughout the term of this contract and for a period of three years after final payment or longer if required by law.

D.41.5.5 Design-Builder shall require all subcontractors to comply with the provisions of this article by insertion of the requirements hereof in a written contract agreement between Design-Builder and payee. Such requirements will also apply to Subcontractors and Sub-Subcontractors (including those entering into lump sum subcontracts) to cooperate fully in furnishing or in making available to Owner from time to time whenever requested in an expeditious manner any and all such information, materials and data.

D.41.5.6 Owner's agent or its authorized representative shall have access to the Design-Builder's facilities, shall be allowed to interview all current or former employees to discuss matters pertinent to the performance of this contract, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article.

D.42 Modifications to AIA Document A141 – 2004 Exhibit B Insurance and Bonds, are as noted below:

D.42.1 Add Section B.4.1 to read: “Design-Builder and all subcontractors shall indemnify and hold harmless the Owner, its affiliates, officers, directors, employees, and agents of each, from and against any and all losses, payments, claims, damages, liabilities, obligations, penalties, judgments, awards, costs, expenses, interest or damages (including settlement), including court costs and reasonable attorney’s fees, of whatever nature, for injuries, losses, or damages arising out of Design-Builder, subcontractors, officers, directors, employees, or agents performance of services under this Agreement.”

D.42.2 Add Section B.4.2 to read: “Per Exhibit E - Oneida Nation – Insurance Requirements, Design-Builder Insurance.”

OCHC Satellite Pharmacy

Oneida Project No. 16-013

June 29, 2017

Project Scope

ONEIDA NATION
Engineering Department
P.O. Box 365
Oneida, Wisconsin 54155

Table of Contents

Scope of Work

1. Project Description

1.1. The project will construct a satellite pharmacy space within the Anna John Resident Centered Care Community (AJRCCC) facility in what is now storage area. The new space will be a fully functional pharmacy with specific tasks that support the main pharmacy at the Oneida Community Health Center (OCHC). Modifications to the existing building systems will be needed to accommodate the new use of the remodeled space.

1.2. Detailed scope items are noted in the remainder of this document.

2. Design

2.1. All work shall conform to the *Design Standards & Criteria for Oneida Nation*, included in the Appendix.

2.2. Contractor shall review the concept documents provided by Owner for compliance to building code and review any required changes with the Owner.

2.3. Contractor shall prepare Construction Documents for the project to the extent necessary to define the scope of work to allow review by permitting agencies. Construction Documents shall be reviewed with Owner prior to submittal for permits. Design shall be provided for:

- 2.3.1. Architectural & Structural
- 2.3.2. Plumbing
- 2.3.3. HVAC
  - 2.3.3.1. DDC Controls
- 2.3.4. Electrical
  - 2.3.4.1. Fire Alarm
  - 2.3.4.2. Access Control

2.4. Record Drawings will be required for completed project. Documents of all disciplines will be required.

2.5. Original design documents of project area are available to Contractor (in AutoCAD formats). Some of the drawings are included in the Appendix.

3. Division 0 & 1 – General Requirements

3.1. All work shall conform to the Oneida Code of Laws, Chapter 603 – Building Code and Chapter 605 - Zoning and Shoreland Protection, NFPA, DHS and other codes pertinent to the facility.

3.1.1. The Oneida Building Code incorporates by reference the State of Wisconsin Commercial Building Codes and the Uniform Dwelling Code.
3.1.2. Codes are available for download on the Oneida Nation website (https://oneida-nsn.gov/government/register/laws/).

3.2. Contractor shall obtain all required permits from the Oneida Zoning Department.

3.3. All Contractors, regardless of tier, are subject to the Oneida Code of Laws, Chapter 502 - Indian Preference in Contracting.

3.3.1. Codes are available for download on the Oneida Nation website (https://oneida-nsn.gov/government/register/laws/).

3.4. The awarded contractor is required to obtain an Oneida Vendor's License, prior to finalizing the contract for the work (if they do not currently hold a vendor's license). The annual fee for the license is due upon application; contact the Oneida Licensing Department at 920-496-5311.

3.4.1. An Oneida Vendor's License is not required for submission of a bid.

3.5. Performance and Payment Bonds are NOT required for this project.

3.6. Wage Rates – Davis-Bacon wage rates do NOT apply to this project. Wage rates apply to workers hired from the Oneida Skills Bank workers (as required by the Chapter 502 - Indian Preference in Contracting) shall be paid according to the Wage Rate Determination established by the Indian Preference Office. Wage rates for workers not from the Oneida Skills Bank shall be determined by the normal salary practices of the Contractor.

3.7. Contractor shall provide a Gant chart schedule for the project and keep it current throughout the duration of the project.

3.8. Contractor shall provide a Schedule of Values identifying, at a minimum, the following items (all requests for payments shall identify these items and their percentage complete at the time of the request for payment):

3.8.1. General Conditions
3.8.2. Concrete
3.8.3. Masonry
3.8.4. Framing
3.8.5. Doors & Windows
3.8.6. Finishes
3.8.7. Equipment
3.8.8. Fire Protection
3.8.9. Plumbing

3.8.10. HVAC Systems
3.8.11. Electrical Systems

4. Division 2 – Existing Conditions

4.1. Bulk demolition, no work anticipated.

4.2. Contractor will be responsible for selective demolition including, but not limited to demolition of:
4.2.1. Items noted on Preliminary Sketches
4.2.2. Electrical – removal of existing light fixtures

4.3. All material removed by Contractor shall be properly dispose of off-site.

5. Division 3 – Concrete

5.1. Remove and patch existing concrete floor slab as required by installation of new plumbing at new sink

6. Division 4 – Masonry

6.1. Patch existing as required by any new penetrations. Maintain one hour fire and smoke partition.

7. Division 5 – Metals

7.1. No work anticipated.

8. Division 6 – Wood, Plastics, and Composites

8.1. Items noted on Preliminary Sketches.

8.2. Patch existing walls as required in all areas impacted by demolition.

8.3. Provide required rough and finish carpentry.

8.4. Provide plastic laminate casework.

9. Division 7 – Thermal and Moisture Protection

9.1. Provide sealant as required.

10. Division 8 – Openings

10.1. Contractor responsible for door and hardware as noted on Preliminary Sketches.

11. Division 9 - Finishes

    11.1. Contractor responsible for all new construction finishes as noted below:

        11.1.1. Floors: sealed concrete.
        11.1.2. Base: 4" Vinyl.
        11.1.3. Walls: Painted full height around perimeter of room 2012 and new wall on room 2008 side.
        11.1.4. Ceiling: paint existing gypsum board.
        11.1.5. Paint any new exposed MEP items.

    11.2. New wall shown on floor plan are constructed as Wall Type 8 as denoted on the existing Drawings. Top of walls terminate at underside of existing roof structure above (existing structure is approximately 11'-9" above floor).

12. Division 10 – Specialties

    12.1. Install toilet accessories (paper towel dispenser) supplied by Owner.

13. Division 11 – Equipment

    13.1. No work anticipated.

14. Division 12 – Furnishings

    14.1. No work anticipated.

15. Division 21 – Fire Suppression

    15.1. Modify existing fire suppression system as required by new room configuration.

16. Division 22 – Plumbing

    16.1. Contractor shall design and install modifications to the existing Plumbing system as required by the new faucet and sink in room 2012. See existing drawings for location of existing sanitary sewer pipe to west of sink location.

    16.2. Faucet: goose neck. Sink: 25"x22"x8" min. stainless steel drop-in.

17. Division 23 – HVAC

    17.1. Contractor shall design and install modifications to the existing HVAC system as required by the new room configuration.

17.2. Provide VAV serving new room with proper air flow for occupied space.

17.3. Modify existing DDC controls as required by modifications to system.

18. Division 26 – Electrical

18.1. Contractor shall design and install modifications to the existing Electrical system as required by the new room configuration.

18.2. Items noted on Preliminary Sketches.

19. Division 27 – Communications

19.1. Contractor shall supply and install conduit, wall boxes and voice & data cabling. Termination of cabling into existing system. See existing drawings for location of existing data headend equipment.

20. Division 28 – Electronic Safety and Security

20.1. Access control connection (palm reader) at Dutch door by Owner. Contractor to provide electric strike, power and data wiring to reader location.

20.2. Video surveillance and security system installation by Owner.

20.3. Contractor shall design and install modifications to the existing Fire Alarm system as required by the reconfiguration of room.

21. Division 31 – Earthwork

21.1. No work anticipated.

22. Division 32 – Exterior Improvements

22.1. No work anticipated.

23. Appendices

23.1. *Design Standards & Criteria for Oneida Nation*
23.2. Preliminary Sketches
23.3. Existing building construction documents

ONEIDA

DESIGN STANDARDS & CRITERIA

For

ONEIDA NATION

Engineering Department

(Revised: 05/05/17)

TABLE OF CONTENTS

1. PREFACE *Revised: 02/20/12*

1.1. The purpose of this document is to provide criteria for the ongoing planning and design of the ONEIDA NATION's facilities. It contains both generalized issues and specific requirements to be used in the design and construction of new and remodeled facilities.

1.2. The information provided in this document will be the basis upon which the ENGINEERING DEPARTMENT will review design documents to insure that the program requirements are being met and that the ONEIDA NATION's design criteria are being followed.

1.3. The ENGINEERING DEPARTMENT wants to work with outside consulting firms to ensure that valid engineering criteria are applied while developing solutions to the ONEIDA NATION's building requirements.

1.4. The ENGINEERING DEPARTMENT is responsible for and has authority to update/revise these standards and promulgate them to appropriate parties. In addition, the Department has authority to waive any requirement if it deems the waiver beneficial to the Oneida Nation.

1.5. Certain portions of these criteria may not apply to your specific project. Any deviations from these criteria shall be approved in writing by the ENGINEERING DEPARTMENT, prior to their incorporation into the design documents.

1.6. Consultants having any questions relating to these criteria or requiring additional information should contact their project's PROJECT MANAGER at 920-869-1600.

2. GENERAL ISSUES (non-technical)

2.1. CONTRACT DOCUMENTS *Revised: 09/07/12*

2.1.1. PROJECT MANUAL: The manual (specifications) shall be organized utilizing the Construction Specifications Institute MasterFormat 2004 or 2010 edition.

2.1.2. PROPRIETARY SPECIFICATIONS: Proprietary specifications sections will NOT be allowed, unless otherwise approved by the Owner. All sections shall list a minimum of two (2) and a maximum of six (6) separate manufacturers/suppliers. In lieu of the multiple manufacturer listing, the section may be written so as to provide a performance specification.

2.1.2.1. An exception to this requirement is that if the product is covered under the GSA Pricing Schedule it may be proprietary specified. Identification that the Owner is eligible for GSA pricing shall be denoted at the individual specification section for the product.

2.1.3. DOCUMENTS SUPPLIED TO OWNER:

2.1.3.1. To comply with the Oneida Paper Reduction Policy, all documents (except drawings) submitted to Owner shall be printed two-sided.

2.1.3.2. When the final Project Manual is issued, one copy shall be bound in a 3 ring binder.

2.1.3.3. When final CD drawings are issued, two (2) sets of drawings on half size sheets shall be provided.

2.1.4. PROJECT NUMBER: The Engineering Department's Project Number shall be noted on all documents prepared, including: letters, memos, estimates, schedules, specifications, construction documents, invoices, etc.

2.1.5. CONSTRUCTION DOCUMENTS: All documents shall minimize or eliminate the reference to "General Contractor" in notes or specification sections. This GC reference shall be eliminated from the documents if a Construction Manager is involved in the project.

2.1.6. DOCUMENT ISSUE LOG: All sheets in the set of construction documents shall identify the history of the sheet's issuance. For example, if sheet was issued by Owner DD review, Owner Final review, and Issued for Bidding, all of these issues shall be identified on each sheet with a date. This information can be in the revision portion of the title block.

2.1.7. CODE COMPLIANCE DRAWINGS: The set of construction documents shall include:

2.1.7.1. A Code Compliance Plan which delineates: fire rated walls, smoke partitions, and floor & attic smoke compartments, occupant load of rooms, egress path.

2.1.7.2. Code Compliance Data and Schedules which denote: applicable codes used for design, occupancy classification, construction type, sprinklered or non-sprinklered, smoke/fire detection /alarm systems, number of stories, number of streets, allowable area, occupant load, exit width, plumbing fixture calculations, off-street parking, etc.

2.2. DESIGN PROCEDURES *Revised: 12/17/15*

2.2.1. MEETING MINUTES: The A/E shall take minutes of all meetings at which they are present, and distribute to all attendees and other appropriate individuals.

2.2.2. DESIGN REVIEWS: At the END of the following phases all departments listed shall review the documents prepared by the Architect. The Owner's Project Manager shall be responsible to coordinate distributing documents to identified departments. The Engineering Department will review all phases and give instructions to the architect to proceed into the next phase after all approvals are received.

2.2.2.1. Schematic Design Phase (SD)

- DPW – Custodial (Space needs)
- DPW – Facilities (Space needs, DDC Controls, HVAC, electrical)
- DPW – Groundskeeping (Site Maintenance)
- DPW – Plumbing (Plumbing)
- EH&S Division - Conservation (mitigation concerns)
- EH&S Division – Environmental Quality (storm water management, NEPA coord.)
- EH&S Division – Health & Industrial Services (Recycling Space, Safety)
- MIS Department (Space Needs)
- Planning Department (Site Planning issues)
- Utilities Department (fire hydrant, water and sewer main materials and connections)
- Zoning Department (Preliminary Site Plan Review)

2.2.2.2. Design Development Phase (DD)

- DPW – Custodial (Space needs & finish material selections)
- DPW – Facilities (Space needs, DDC Controls, HVAC, electrical)
- DPW – Groundskeeping (Site Maintenance)

- DPW – Plumbing (Plumbing)
- EH&S Division - Conservation (landscape plant materials)
- EH&S Division – Environmental Quality (storm water management, NEPA coord.)
- EH&S Division – Health & Industrial Services (Recycling Space, Safety)
- MIS Department (Space Needs, Kronos, voice & data)
- Planning Department (Site Planning issues)
- Utilities Department (fire hydrant, water and sewer main materials and connections)
- Wells & Septic Department (Preliminary review of systems)
- Zoning Department (Preliminary Site Plan Review)

2.2.2.3. Construction Document Phase (CD)

- Division of Land Management – Real Estate Services (initiate process for easements approval)
- DPW – Custodial (finish material selections)
- DPW – Facilities (DDC Controls, HVAC, electrical)
- DPW – Groundskeeping (Site Maintenance)
- DPW – Plumbing (Plumbing)
- EH&S Division - Conservation (landscape plant materials and planting spec.)
- EH&S Division – Environmental Quality (storm water management, NEPA coord.)
- EH&S Division – Health & Industrial Services (Recycling Space, Safety)
- MIS Department (Kronos, voice & data)
- Planning Department (Site Planning issues)
- Risk Management (Fire Sprinkler System review, Insurance Requirements review)
- Utilities Department (fire hydrant, water and sewer main materials and connections)
- Wells & Septic Department (Review of systems)
- Zoning Department (Preliminary Site Plan Review)

2.2.2.4. Construction Administration (CA)

2.2.2.4.1. Pre-Bid conference:
- Indian Preference Department

2.2.2.4.2. Pre-Construction conference:
- Indian Preference Department
- EH&S Safety Department

2.2.3. CODE ISSUES: All building designs must comply with the Oneida Code of Laws – Chapter 66 – Building Code (*this code adopts the International Building Code and Wisconsin amendments by reference*) and documents shall be submitted for review, following standard Wisconsin procedures.

3. FACILITY & TECHNOLOGY FEATURES

3.1. DESIGN ELEMENTS *Revised: 12/17/15*

3.1.1. Data Rooms: All buildings shall have separate MIS (Management Information Systems) rooms. These functions are not to be combined with mechanical or electrical into one room. MIS room is to contain all telephone and computer network equipment.

3.1.1.1. Walls surrounding these rooms shall extend to underside of structure above and shall be a minimum of one-hour fire rated.

3.1.1.2. Provide 3'-0" clear floor area in front of and behind data rack for access and maintenance. Room dimensions shall comply with Owner's *Data Room Configuration Standard.*

3.1.1.3. See MEP and Division 27 sections of this document for additional requirements.

3.1.2. Entrance Canopies: Design all canopies over doors to ensure there are no drip lines onto walkways leading to door. Preference is to pitch roof to either side of door.

3.1.3. Kitchens: where project includes a commercial kitchen, the Construction Documents shall denote the requirement that locations of equipment are to be permanently marked on floor per *NFPA 1 – Chapter 50 Commercial Cooking Equipment.*

3.1.4. Knox-Box: Construction Documents shall denote the requirement to provide a Knox-Box key box for the building. Contractor shall coordinate with local fire department to insure compliance with local standards.

3.1.5. Mechanical/Electrical Rooms: All buildings shall have separate mechanical, electrical, and Data rooms. These functions are not to be combined into one room.

3.1.5.1. Walls surrounding these rooms shall extend to underside of structure above and shall be a minimum of one-hour fire rated.

3.1.5.2. See MEP sections of this document for additional requirements.

3.1.6. Parapet Walls: Do not use on Oneida projects, unless approved by Senior Tribal Architect.

3.1.7. Site/Civil: Storm water management systems designed for project shall address water quality concerns in addition to water quantity management.

3.1.8. Toilet Rooms:

3.1.8.1. All multi-fixture toilet doors shall be designed to have the entrance doors swinging out of the room not into room. The out swinging doors limit the spread of bacteria by patrons who do not wash their hands after using the facilities. A patron can exit the facilities without touching the door hardware.

3.1.8.2. All restroom accessories (not in toilet stalls) shall comply with ADA requirements for protruding objects. Accessories protruding more than 4 inches shall be located in corners, alcoves, between other structural elements, or recessed in walls.

3.1.9. Tornado Shelter: All building shall have an area designated as a tornado shelter. The structure in the area of the shelter shall be reinforced to provide a higher level of protection. The shelter does not need to be an additional room not already in the program, using one of the programmed spaces is sufficient.

3.2. SPECIFICATION ELEMENTS *Revised: 02/20/12*

Equipment: where multiple pieces of the same equipment are provided, all pieces must be manufactured within one year of each other. Example: if two boilers are installed on project, manufacture date of each boiler must be within one year of each other.

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

00 11 00 Invitation to Bid *Revised: 11/18/13*

1. The Oneida Engineering Department shall make a determination of the bid process to be used for each project. The process can be invited bids or public bidding.

2. On projects where an invited bid process will be used, the list of invited bidders shall be derived from the *Oneida Engineering Department Master List of Contractors.*

3. On projects where a public bid process will be used, the Bid Advertisement shall be published in a minimum of the following publications:

    a. Kalihwisaks (Tribal newspaper) – Oneida Project Manager will coordinate submittal.

    b. Green Bay Press-Gazette – Consultant responsible for submittal. Consultant shall ensure the Tribe receives a proof of publication from the Green Bay Press-Gazette.

00 21 00 Instructions to Bidders *Revised: 12/17/15*

2.0 BID INVITATION/ADVERTISEMENT:

A. Bids received by owner at:
Engineering Department
N7332 Water Circle Place
Oneida, WI 54155

B. Bids will be opened privately if invited bid process used, and opened publicly for advertised bid process or if required by funding source.

3.0 BID DOCUMENTS

A. Bid Documents are **NOT** available at the office of the owner.

B. Bid Documents shall be sent to local plan rooms as follows (additional exchanges are at the Architect/Engineer's discretion):

American Indian Chamber of Commerce of Wisconsin – Plan Room 10809 W. Lincoln Ave. West Allis, WI 53227 414-604-2044 414-604-2070 Fax	Builders Exchange of Wisconsin, Inc. - Fox Valley Plan Room W2518 County Road JJ Appleton, WI 54913-9288 920-687-8782 920-687-8705 Fax http://bxwi.com/	

C. Bid Documents may also be made available at on-line websites.

4.0 SITE ASSESSMENT

A. A Prebid Conference shall be scheduled.

5.0 QUALIFICATIONS

A. Contractor shall submit an *AIA A305 Contractor's Qualification Statement* if specifically requested by Owner.

6.0 BID SUBMISSION

A. Submit three copies of bid.

B. Abstract summary of submitted bids will be made available to all bidders following bid opening.

7.0 BID ENCLOSURES / REQUIREMENTS

A. Bid Bond required.

B. Performance & Payment Bonds at owner's discretion, include cost on bid form.

C. See Supplementary Conditions for information regarding taxes.

00 22 00 Supplementary Instructions *Revised: 10/06/06*

1. Include a copy of the Oneida Engineering Department's *Document 00 22 01 - Indian Preference Vendors* in the Project Manual under this section and include listing of Certified Indian Owned Businesses following document.

00 31 00 Available Project Information *Revised: 10/06/06*

1. Include a copy of the Oneida Engineering Department's *Document 00 31 43 - Permit Fee Schedule* in the Project Manual under this section and include Oneida Zoning Department Permit Fee Schedule following document.

00 41 00 Bid Form *Revised: 02/20/12*

1. Performance & Payment Bonds at owner's discretion, include cost on bid form.

2. A subcontractors listing shall be included with bid.

3. Form shall list Contractor's name, address and telephone number, E-Mail address.

4. Within 24 hours of notification, apparent low-bidder will be required to submit the unit costs of products covered by GSA Schedule. Include Oneida Engineering Department's *Document 00 43 10 - Documentation of Special Pricing* in the Project Manual under this section. Architect shall complete the first two columns of form based upon materials selected for project.

00 52 00 Agreement *Revised: 05/05/17*

1. For Building Projects: The form of Agreement shall be *AIA Document A101, Standard Form of Agreement Between Owner and Contractor* and shall include the current *Oneida Nation's AIA Document A101, Modifications* amending the standard document.

2. For Civil Projects: The form of Agreement shall be *EJCDC C-520 Suggested Form of Agreement Between Owner and Contractor for Construction Contract (Stipulated Price)* and shall include the current *Oneida Nation's - Appendix A to: EJCDC C-520 Suggested Form of Agreement Between*

Owner and Contractor for Construction Contract (Stipulated Price) amending the standard document.

3. Other contract formats may be more appropriate for a particular project, confirm contract format with the Senior Tribal Architect.

00 71 00 General Conditions *Revised: 05/05/17*

1. For Building Projects: *AIA Document A201 General Conditions of the Contract for Construction* shall be the General Conditions between the Owner and Contractor.

2. For Civil Projects: *EJCDC Standard General Conditions of the Construction Contract* shall be the General Conditions between Owner and Contractor.

3. Other general conditions may be more appropriate for a particular project, confirm general condition format with the Senior Tribal Architect.

00 73 00 Supplementary Conditions *Revised: 05/05/17*

1. For Building Projects: Use the *Oneida Nation - AIA Supplementary Conditions* modifying AIA Document A201.

2. For Civil Projects: Use the *Oneida Nation - EJCDC Supplementary Conditions* modifying EJCDC C-700.

3. Include a copy of the Oneida Nation's *Indian Preference in Contracting Law (a.k.a Indian Preference Law)* in the Project Manual under this section.

4. Include the appropriate copy of the Oneida Engineering Department's *Document 00 73 43 Wage Rate Determination* in the Project Manual and include the appropriate wage rate determination. The county for Oneida projects will be Brown or Outagamie, verify project location. Wage rates will vary dependent upon specific project requirements:

   A. All projects with federal funding: use Davis-Bacon Wage determination and denote that rates apply to all workers.

   B. All other projects, Wage rates apply to workers hired from the Oneida Skills Bank, workers shall be paid according to the Wage Rate Determination established by the Indian Preference Office.

5. Security Requirements: Denote that Oneida Nation prohibits weapons on its property. Contractor will need to inform their employees and subcontractors. Contractor will also have to post signage prohibiting weapons on Oneida construction sites.

DIVISION 01 - GENERAL REQUIREMENTS

01 11 00 Summary of Work *Revised: 10/18/95*

1. Identify work by Owner, if any.

01 20 10 Special Product Purchasing Procedures *Revised: 10/06/06*

1. Include a copy of the Oneida Engineering Department's *Document 01 20 10 - Special Product Purchasing Procedures* in the Project Manual under this section.

01 23 00 Alternatives *Revised: 10/06/06*

1. Include alternates to allow flexibility in scope adjustments necessary to bring project into budget. There will be no requirement as to the order of the alternate listing or priority of their acceptance.

01 31 19 Project Meetings *Revised: 10/18/95*

1. Identify requirements for having construction meetings and meeting minutes.

01 35 63 Sustainability Certification Project Requirements *Revised: 01/17/14*

1. Include this Section and note the following: "It is a goal of the Oneida Nation to minimize the environmental impact of its building projects consistent with our cultural beliefs to respect nature and conserve natural resources. While we do not intend to pursue a LEED Certification Rating, LEED will be used as a benchmark for evaluating sustainable design features."

    A. Identify any specific requirements or documents that the contractor(s) will need to submit to verify sustainable design features.

01 58 00 Project Identification *Revised: 02/20/12*

1. Provide a temporary project sign with a layout complying with the Owner's *Temporary Project Sign Standard Layout*.

2. Project Identification - the project sign shall identify an after-hours emergency telephone number for both the general contractor and the owner.

01 74 19 Construction Waste Management and Disposal *Revised: 10/06/06*

1. Include requirements for waste management and recycling of project materials under this section. Identify forms required to verify quantities of materials.

    A. WasteCap Wisconsin has sample specifications and forms available for download on their website www.wastecapwi.org

01 78 00 Closeout Submittals *Revised: 12/17/15*

1. Operations and Maintenance manuals shall be provided to Owner.

    A. Owner preference is for manuals to be provided on a CD as a Portable Document File (PDF).

    B. If paper copies are provided:

1. Owner will require three (3) copies.
2. Binder edge must be labeled with:
    a. Project Title
    b. Oneida Project number
    c. Volume number (if multiple volumes)

2. Operations and Maintenance manuals shall include (at a minimum):

A. Subcontractor / Material Supplier Listing. Identify the company name, address, phone, contact name, e-mail address, and identification of scope of work provided by Section number.

B. Warranty Letter from General Contractor identifying the date of Substantial Completion.

C. Specification Sections, identify each specification section in which work was provided, identify the name of subcontractor, included relevant data of materials used and their maintenance requirements.

DIVISION 02 – EXISTING CONDITIONS

DIVISION 03 - CONCRETE

DIVISION 04 - MASONRY

04 05 00 Common Work Results for Masonry *Revised: 10/06/06*

1. Sills:

A. Brick sills are not acceptable (row-lock or other). Sill must be either stone material or metal. Material should not have a joint across width of opening, unless it is a wide opening.

2. Masonry Embedded Flashings:

A. The following flashing materials are NOT ACCEPTABLE and cannot be specified:
    1. PVC Flashing.
    2. Aluminum Flashing.

B. The following flashing materials are acceptable:
    1. Rubberized asphalt.
    2. Copper, stainless steel, etc.

C. Flashings shall be specified and detailed as:
    1. Continuous at corners.
    2. Having end dams at ends of flashing at all openings. End dams shall be detailed on Construction Documents.
    3. Extending flashing as follows:
        a. <u>Multi-Wythe Walls:</u> Extend through back-up wythe to 1 inch from inside face of wall. Turn flashing back over itself a minimum of 1/4 inch to form a water dam.
        b. <u>Single-Wythe Walls:</u> Extend flashing to 1 inch from inside face of wall. Turn flashing back over itself a minimum of 1/4 inch to form a water dam.

c. Masonry walls where covered on interior with another finish material: Extend flashing entirely through masonry. Turn flashing up a minimum of ½ inch on inside face of masonry to form a water dam.

4. Flashing shall have a drip edge where exiting the exterior face of wall. If rubberized asphalt flashing is used, stop flashing short of exterior face of wall and provide a stainless steel drip and adhere flashing to drip.
5. Flashing shall extend a minimum of 6 inches above the "Mortar Net".

3. Masonry Cavity Drainage, Weepholes, and Vents:

A. The following methods for creating weepholes are NOT ACCEPTABLE and cannot be specified:
   1. Rope wick (rope eventually fills with sand and water and turns to cement, preventing the wicking of moisture and does not allow air into cavity).
   2. Oiled rod (hole created by removed rod eventually fills with debris, preventing the wicking of moisture and does not allow air into cavity).
   3. Plastic tubes (tube eventually fills with debris, preventing the wicking of moisture and does not allow air into cavity).

B. The following method is acceptable for creating weepholes:
   1. UV resistant recycled polyester mesh inserted into open head joint.
   2. "Weep Vent" by Mortar Net or equal.

04 27 00 Multiple-Wythe Unit Masonry *Revised: 10/06/06*

1. Cavity Walls:

A. Wall shall have a 2 inch clear drainage cavity.
B. Walls shall contain a "Mortar Net" or other similar product at all thru-wall flashing locations: wall base, lintel, etc.
   1. Full height of cavity with "Cav-A-Clear" or other similar product is acceptable in lieu of "Mortar Net" at wall base and lintels.

DIVISION 05 - METALS

DIVISION 06 - WOOD AND PLASTIC

DIVISION 07 - THERMAL & MOISTURE PROTECTION

07 27 00 Air Barriers *Revised: 02/20/12*

1. Provide air barrier as required by Building Code.

07 50 00 Membrane Roofing *Revised: 10/06/06*

1. Preferred roofing material for Oneida projects is Built-Up Bituminous Roofing. Verify roofing material with Senior Tribal Architect on each project.

DIVISION 08 - OPENINGS

08 70 00 Hardware *Revised: 03/21/14*

1. Doors to receive an access control device (proximity card reader) shall have an electric strike and associated conduit, supplied and installed by the Contractor.

   A. The electric strike shall be 24 volt DC.
   B. Access control system will be by owner under a separate contract (see 28 13 00).

2. On projects for the Tribe's Gaming Division, all locksets shall be specified with a Best Access Systems interchangeable core to match Owner's keying standards.

08 80 00 Glazing *Revised: 02/20/12*

1. Exterior glazing shall have a shading coefficient of 0.45 or lower.

DIVISION 09 – FINISHES

09 06 00 Schedules for Finishes *Revised: 02/20/12*

1. Wood base is not permitted where ceramic tile floors are used.

DIVISION 10 - SPECIALTIES

10 28 00 Toilet, Bath, and Laundry Accessories *Revised: 03/23/05*

2. All of the following items are supplied by Owner, installed by Contractor:

   A. Toilet Tissue Holders
   B. Paper Towel Dispensers
   C. Soap Dispensers (mounting on mirrors is not permitted by our Custodial Dept.)

3. All of the following items are supplied by Owner (no installation required):

   A. Waste Receptacles

10 44 00 Fire Protection Specialties *Revised: 10/18/95*

1. Fire extinguishers are by Owner. Cabinets supplied and installed by Contractor.

DIVISION 11 - EQUIPMENT

DIVISION 12 - FURNISHINGS

DIVISION 13 - SPECIAL CONSTRUCTION

DIVISION 14 - CONVEYING EQUIPMENT

14 20 00 Elevators *Revised: 02/20/12*

1. The following equipment is NOT allowed and cannot be specified on Oneida Nation projects:

   A. Kone Elevators.

DIVISION 21 - FIRE SUPPRESSION

21 00 00 Fire Suppression *Revised: 01/17/14*

1. All newly constructed Oneida Nation building shall have full fire sprinkler system installed.

2. Construction Documents for this system shall identify code, industry, and/or manufacturers required/recommended maintenance clearances as hatched areas around units/equipment.

3. A Clean-Agent Fire-Extinguishing System shall be utilized for fire suppression in the following room types:

   A. Data Centers, Data Rooms (of any size)
   B. Large file/record rooms
   C. Electrical rooms in Gaming facilities

4. “Omega” brand, manufactured by Central Sprinkler Co., Fire Sprinkler Heads by are not allowed and cannot be specified on Oneida Nation projects.

5. Flexible piping used in system:

   A. Braided is acceptable
   B. Corrugated is NOT acceptable

6. System plans and specifications shall comply with the Owner’s insurance carrier (FM Global) requirements.

7. Awarded Fire Suppression Contractor shall submit systems plans and specifications to the Owner (at same time as submitted for state plan review), for review by the Owner’s Risk Management Department and insurance carrier (FM Global).

DIVISION 22 - PLUMBING

22 00 00 Plumbing *Revised: 1/22/16*

1. Construction Documents for this system shall identify code, industry, and/or manufacturers required/recommended maintenance clearances as hatched areas around units/equipment.

2. The following equipment is NOT allowed and cannot be specified on Oneida Nation projects:

   A. Aerco Water Heaters
   B. A.O. Smith Water Heaters
   C. ProFlo fixtures

3. Plumbing, On large toilet rooms, (greater than three water closets), provide a keyed hose bibb connection located under the vanity counter.

4. All toilet room fixtures shall be sensor operated. Sensors shall be electrically powered. If this requirement seems excessive for scope of building verify owner requirements with Owner’s Project Manager.

5. Interior clean-outs on sanitary sewers shall be spaced a maximum of 75 feet on center. Clean-out shall be sized to pipe downstream. Prefer wall to floor clean-outs.

6. Cross connection control shall be provided at or near all mop basins.

7. Cross Connection devices shall comply with the Oneida Plumbing Department standard.

8. If project includes coolers and freezers, coordinate providing heat recovery water heater to use condenser wasted heat with HVAC design. Example manufacturer is “Therma-Stor”.

9. Provide floor drains in all toilet rooms. Verify if self-priming traps are required on project.

10. All water closets shall be installed with a seat height between 17 to 19 inches above floor. This requirement applies to all water closets, not just accessible water closets (exception allowed for fixtures serving child care areas).

11. Pipe size standards:

    A. Serving each water closet – 4” minimum diameter.
    B. Serving each urinal – 3” minimum diameter.
    C. Serving beverage (soda) dispenser – 4” minimum diameter receptor.

DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

23 00 00 HVAC *Revised: 12/17/15*

1. Construction Documents for this system shall identify code, industry, and/or manufacturers required/recommended maintenance clearances as hatched areas around units/equipment.

2. The following equipment is NOT allowed and cannot be specified on Oneida Nation projects:

   A. Fulton Pulse Boilers

3. HVAC system shall have a two year warranty.

4. HVAC system redundancy – system shall achieve heating and cooling loads by multiple units (i.e. boiler, chiller, compressor, etc.). Unit size shall provide approximately 50% capability to meet load requirements. Verify with Project Manager if any areas require 100% redundancy.

5. HVAC design shall not allow zoning of ventilation systems to permit service by a single unit for a majority of a given space or facility. If necessary or desired to use large, multi-zone systems, then system shall have multiple fan configurations.

6. HVAC Air Handling Units - Adjustable sheaves are NOT allowed on equipment as part of final installation. Adjustable sheaves may be used temporarily until system is balanced, but shall be replaced with fixed sheaves thereafter.

7. Electric Heaters are not acceptable on Oneida projects and shall not be designed into a heating system. The Engineering Department may approve use of electric heaters under certain circumstances, contact the Project Manager if electric heaters seem to be a viable option on a particular project.

8. Fin tube baseboard heating shall be installed with a shut-off valve at each end of fin pipe in each room to allow removal of section. Each section shall be installed with a drain valve.

9. The following Design Temperatures shall be used on Oneida projects:

		Code:	**Preferred / Design:**
Heating (min.)	Outside	-15 degrees F dry bulb	- 15 Degrees F Dry Bulb
	Inside	67 degrees F	70 degrees F
Cooling (max.)	Outside	87 degrees F	90 degrees F
	Inside	78 degrees F	75 degrees F

10. Refrigerants, HCFC (R-22) are not allowed on Oneida projects because of future EPA phase out and environmental reasons. Alternative refrigerants must be used in lieu of R-22.

11. Design shall not place air intakes near areas where idling vehicles will be parked. Need to avoid drawing vehicle exhaust into building HVAC system.

12. Condensers serving coolers and freezer shall be remotely located, verify maximum run with manufacturer.

    A. Option: provide heat recovery water heater to use condenser wasted heat. Example manufacturer is “Therma-Stor”.

13. Data Rooms shall be provided with an independent HVAC system to maintain an ambient temperature range of 68° to 75°F and an ambient relative humidity level between 45% and 55%.

14. All HVAC equipment shall be permanently labeled to match the HVAC plans.

15. Construction Documents for HVAC system shall identify responsible discipline for providing electrical disconnect switches on HVAC equipment, HVAC or Electrical contractor. Responsible party shall be noted on both HVAC and Electrical Construction Documents.

DIVISION 25 - INTEGRATED AUTOMATION

25 00 00 Integrated Automation *Revised: 11/18/13*

1. Oneida standard manufacturer for Direct Digital Controls is Schneider Electric – SmartStruxure Solution. Controls will be by Owner's standard vendor under a separate contract, unless noted otherwise in project requirements or contract. This section shall denote that HVAC contractor will coordinate with standard vendor.

2. HVAC Designer shall identify a Sequence of Operation so that Owner's control contractor can create a control point listing. HVAC Designer shall coordinate with Oneida DPW – Facilities to coordinate system control issues.

3. Sensor/Thermostats will be supplied and installed by Owner under a separate contract, unless noted otherwise in project requirements or contract. Wall box and conduit for sensor is to be supplied and installed by Electrical Contractor.

DIVISION 26 - ELECTRICAL

26 05 00 Common Work Results for Electrical Systems *Revised: 12/17/15*

1. Construction Documents for this system shall identify code, industry, and/or manufacturers required/recommended maintenance clearances as hatched areas around units/equipment.

2. HVAC Sensor/Thermostats will be supplied and installed by Owner under a separate contract. Wall box and conduit for sensor is to be supplied and installed by Electrical Contractor, note this requirement on electrical drawings.

3. Door Access Controls will be supplied and installed by Owner under a separate contract. Wall box and conduit for electric strike is to be supplied and installed by Electrical Contractor, note this requirement on electrical drawings.

4. Electrical panels/equipment shall not be installed on walls behind doors. Installation at these locations poses a safety hazard for maintenance personnel. No panels/equipment shall be installed within the area defined by ADA for Maneuvering Clearances at doors.

5. Aluminum is not allowed for wire, conductors, bus bars, etc. and cannot be specified on Oneida Nation projects.

6. 10 AWG conductors and smaller are to be stranded not solid.

7. On projects for the Tribe's Gaming Division, provide power receptacles in the toilet rooms to allow drying fans to be used. Coordinate locations with Gaming Facilities Director.

8. Construction Documents for Electrical shall identify responsible discipline for providing electrical disconnect switches for HVAC equipment, HVAC or Electrical contractor. Responsible party shall be noted on both HVAC and Electrical Construction Documents.

9. Conductors for branch circuits shall be sized to prevent a voltage drop exceeding 3% at the farthest outlet of power, heating, lighting and motor loads or combination of such loads.

10. The maximum total voltage drop on both feeds and branch circuits to the farthest outlet shall not exceed 5%.

11. The ground fault protection system shall be performance tested when first installed on site. A written record of the test shall be available to the Authority Having Jurisdiction (AHJ).

12. The ungrounded and grounded circuit conductors of each multi wire branch circuit shall be grouped with cable ties, tape, or similar means within the panel board or other point of origination.

13. A grounding conductor shall be pulled in each raceway. The raceway shall not be used as the grounding means.

14. Direct buried cables or conduits shall have a warning ribbon buried 12 inches above the cables or conduits.

15. Emergency circuits and normal circuits shall not share the same raceways.

16. All service conductors, motor conductors, and feeder conductors larger than # 4 shall have the insulation tested and documented with the date, time, and results and signed by the electrician conducting the test.

17. Raceways, boxes, and conduit bodies shall be of sufficient size to provide free space for the conductors.

26 05 26 Grounding and Bonding for Electrical Systems *Revised: 12/17/15*

1. Building and structures supplied by feeder(s) or branch circuit(s) shall comply with article 250.32 of the NEC.

2. All grounding electrodes as described in the NEC article 250.52(A)(1) through (A)(7) that are present at each building or structure served shall be bonded together to form the grounding electrode system. Where none of these grounding electrodes exist one or more of the grounding electrodes specified in NEC article 250.52(A)(4) through (A)(8) shall be used.

3. A metal underground water pipe shall be supplemented by an additional electrode of the types specified in the NEC article 250.52(A)(2) through (A)(8).

4. An intersystem bonding termination for connecting intersystem bonding conductors required for other systems shall be provided externally to enclosures at the service equipment or the metering equipment enclosure and at the disconnecting means for any additional buildings or structures.

5. Bonding of the piping system and the exposed structural steel shall comply with the NEC article 250.104.

6. Metal raceways shall not be used as equipment grounding conductors.

26 05 33 Raceway and Boxes for Electrical Systems *Revised: 12/17/15*

1. Junction boxes are to be a minimum of 2 1/8" deep, unless limited by stud cavity depth.

2. Boxes shall be independently supported.

3. EMT, IMC, AND RMC conduits shall be supported at intervals not exceeding seven (7) feet.

4. Couplings and connecters shall be steel set screw type (exception where the NEC prohibits this type of raceway fitting).

5. EMT, IMC, and RMC supporting straps shall be of the steel type.

6. MC cable shall not be used for service entrance, feeders or branch circuit wiring (exception when fished between access points through concealed spaces).

7. Where all conduits penetrate fire rated walls and ceilings the openings shall be fire stopped to maintain the rating of the walls and ceilings.

8. Emergency system box covers, fitting covers and enclosures shall be identified as emergency system components.

9. Conduit originating at panels, switch gear and load centers shall not be sized less than ¾ in.

26 05 53 Identification for Electrical Systems *Revised: 12/17/15*

1. Wiring colors shall be per standard NEC Code.

2. The ungrounded conductors of a 1 phase 120/240v and 3 phase 120/208v systems shall be colored coded black, red, and blue.

3. The ungrounded conductors of a 3 phase 277/480v system shall be color coded brown, orange, yellow.

4. Switch gear, motor control centers, and panels shall have name tag information labels on the equipment such as the voltage, amperage, phase, and location of source.

5. Disconnects shall have name tag information labels on them such as voltage, amperage of the overcurrent protection, phase and location of the source, and purpose of the disconnect if not evident.

6. Emergency system equipment such as switch gear, panels, generators and transfer switches shall be permanently marked so they will be identified as emergency equipment.

26 05 73 Overcurrent Protective Device Coordination Study *Revised: 12/17/15*

1. Electrical system coordination is required for short circuit protection where an orderly shut- down is needed to minimize the hazards to personnel and equipment.

26 06 20 Schedules for Electrical Distribution *Revised: 12/17/15*

1. Switch gear and panels shall have a circuit directory or circuit identification.

2. Feeders and branch circuits shall be identified with the panel label and circuit number at the source and the outlet(s) or equipment.

3. All conductors at termination and splice points shall be labeled with the panel and circuit number. Labels shall not be hand written.

26 24 00 Switchboards and Panelboards *Revised: 12/17/15*

1. Commercial grade equipment shall be used. Preferred manufacturer is Square D.

2. Aluminum is not allowed for bus bars and cannot be specified on Oneida Nation projects.

3. On projects for the Tribe’s Gaming Division, provide dedicated service panel(s) within observation and/or security areas.

4. Ground- fault protection of equipment shall be provided for solidly grounded wye electrical services of more than 150 volts to ground but not exceeding 600 volts phase to phase for each service disconnect rated 1000 amps or more.

5. Available fault-current for the service equipment other than dwelling units shall be legibly marked in the field with the maximum available fault current. The field markings shall include the date the fault current calculation was performed and be sufficient durability to with stand the environment involved.

6. All working space for electrical equipment per NEC article 110.26 shall be maintained.

7. Service equipment rated 1200 amps or more shall have disconnecting means remote from the service equipment. This shall be discussed and determined if feasible per project.

26 43 00 Transient Voltage Suppression *Revised: 12/17/15*

1. TVSS protection shall be installed remote from the electrical equipment it is protecting.

26 51 00 Interior Lighting *Revised: 12/17/15*

1. All lighting fixtures requiring ballast, shall have electronic ballasts specified.

   A. Owner's preferred ballast manufacturers are: Advance and Osram Sylvania.

2. 2 x 4 lay-in fixtures shall have split ballast to allow multiple lighting levels.

3. Dimmable ballasts are not allowed.

4. Suggested light fixtures shall be reviewed by Oneida DPW – Electrical Department.

5. Halogen lamps are not allowed in light fixtures.

6. 2 x 2 lay-in fluorescent fixtures are not allowed.

7. Light Switching:

   A. Provide wall or ceiling mount occupancy sensors at the following rooms (review specific locations with project team):
      1. Offices
      2. Small storage rooms
      3. Conference rooms
      4. Toilet rooms
   B. Occupancy sensors are NOT to be installed in Mechanical and electrical rooms.

26 52 00 Emergency Lighting *Revised: 12/17/15*

1. Mechanical rooms and electrical rooms shall have at least one battery backup emergency fixture. The emergency fixture shall share the same circuit as the normal lighting in these rooms.

2. Commercial building exits shall have emergency outdoor egress lights. Exception : where emergency outdoor egress lights at exits are not required by SPS 316 and NFPA 70.

26 53 00 Exit Signs *Revised: 12/17/15*

1. Exit lights shall be L.E.D.

26 56 00 Exterior Lighting *Revised: 12/17/15*

1. Lamps - reviewed options with Oneida DPW – Electrical Department.

2. Photo cell control in groups is acceptable.

3. Review requirements for receptacles at poles with project team.

4. Commercial building outdoor lighting shall be controlled by the Building Automation Direct Digital Control System (BAS DDC System).

DIVISION 27 - COMMUNICATIONS

27 00 00 Communications *Revised: 12/17/15*

1. Construction Documents shall require the Electrical Contractor to provide conduit and box roughed out to above ceiling for Owner voice and data outlets. Provide at all offices and other rooms as designated by Owner during design phases.

2. All rooms to receive voice and data outlets, shall have a minimum of two (2) voice and data outlets located so as to provide the most flexible arrangement of furniture in each room.

3. System design shall be compliant with the current edition of the *Oneida Casino Network Standards*.

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

28 13 00 Access Control *Revised: 11/18/13*

1. Oneida standard manufacturer for door access controls is Schneider Electric – SmartStruxure Solution. Controls will be by Owner's standard vendor under a separate contract, unless noted otherwise in project requirements or contract. This section shall denote that Electrical contractor will coordinate with standard vendor.

2. Construction Documents shall require the Electrical Contractor to provide conduit and box roughed out to above ceiling for Owner Access Control system.

28 16 00 Intrusion Detection *Revised: 10/12/06*

1. Owner will be incorporating a security system into project. System and monitoring will be by Owner's standard vendor under a separate contract. Coordinate equipment utility requirements with standard vendor.

28 31 00 Fire Detection and Alarm *Revised: 11/18/13*

1. Owner requires complete fire alarm system installation. Manufacturer: UTC Fire and Security.

   A. If this requirement seems excessive for scope of building verify owner requirements with Owner's Project Manager.

2. System plans and specifications shall comply with the Owner's insurance carrier (FM Global) requirements.

3. Awarded Fire Alarm Contractor shall submit systems plans and specifications to the Owner (at same time as submitted for state plan review), for review by the Owner's Risk Management Department and insurance carrier (FM Global).

4. Fire alarm system monitoring will be by Owner's standard vendor, unless noted otherwise in project requirements or contract. Coordinate equipment installation with standard vendor.

DIVISION 31 - EARTHWORK

31 09 00 Geotechnical Instrumentation and Monitoring of Earthwork *Revised: 10/06/06*

1. The following wording shall be added to all appropriate site preparation and earthwork sections:

   A. "An Oneida Archaeological Site Monitor is required to be on the project site during all ground breaking and earth moving activities. The Contractor is to give the Oneida Project Manager adequate notification as to when these activities are scheduled and the Oneida Project Manager will make arrangements to have a monitor available during these activities. Particular care is to be given when ground breaking begins and at any time during the earth moving process. If at any time during the process artifacts or human remains are uncovered/discovered, construction is to cease immediately and the Oneida Project Manager is to be contacted. The Oneida Project Manager will in turn contact the Oneida Tribal Historic Preservation Office for proper handling and care of these finds -- BEFORE REMOVAL FROM THE EARTH!"

31 10 00 Site Clearing *Revised: 05/05/17*

1. Clearing and Grubbing Construction Documents shall denote:

   A. Contractor will be required to obtain a Tree Cutting Permit from the Oneida Conservation Department.
   B. Removed trees (5" caliper and larger) are the property of the Oneida Nation and shall be returned to the Tribe.
   C. Limb and cut trees into 8'4" lengths and deliver to Oneida Conservation Department.
   D. Properly dispose of stumps, brush, branches and other debris off site.

   E. Oneida Conservation Department – Compost Yard
   N8085 County Road U
   Oneida, WI 54155
   920-869-1450

2. Earthwork sections shall denote that excess top soil and sub-soil is the property of the Owner and shall be delivered to a site determined by Owner.

   A. Identify the address of the owner's property where material will be stock piled with Owner's Project Manager, and include in Construction Documents.

31 20 00 Earth Moving *Revised: 12/17/15*

1. Civil Engineer shall determine if Oneida has stock piled soils available to meet the fill requirements of the project. Coordinate with the Oneida Material Team to confirm available soil types and quantities. If stockpiled material meets the project needs, earthwork sections shall denote location and use of material. No imported material will be allowed if sufficient stockpile material is available. Identify the address of the owner's property where material will be loaded for delivery to project site.

   A. Material Team contact: Mary Jo Nash, 920-869-1690 ext. 6612, mnash@oneidanation.org

2. Construction Documents must denote the requirements for truck routes to and from the stock pile location. Routes shall maximize utilization of use state highway, followed by county highways, then municipal roads. Routes over municipal roads shall be minimized to the greatest extent possible.

DIVISION 32 - EXTERIOR IMPROVEMENTS

32 10 00 Bases, Ballasts, and Paving *Revised: 02/20/12*

1. Parking, in addition to the required amount of handicap parking spaces provide "Elder Parking" spaces in a quantity to match 50% of the quantity of handicap spaces, but no less than two.

   A. Size of spaces shall be standard parking stall.

32 80 00 Irrigation *Revised: 10/06/06*

1. Irrigation systems are not allowed on Oneida projects. Landscaping is NOT to be irrigated.

32 90 00 Planting *Revised: 10/06/06*

1. To the maximum extent possible, plant materials should be indigenous to Wisconsin, and drought tolerant.

2. At sloped roof drip lines, provide ground cover to protect exterior building wall from splash stains.

DIVISION 33 - UTILITIES

DIVISION 34 - TRANSPORTATION

DIVISION 35 - WATERWAY AND MARINE CONSTRUCTION

APPENDIX A

REFERENCED DOCUMENTS LISTING: *Revised: 05/05/17*

A.1 *Oneida Engineering Department Master List of Contractors*

A.2 *Oneida Nation's AIA Document A101, Modifications*

A.3 *Oneida Nation's - Appendix A to: EJCDC C-520 Suggested Form of Agreement Between Owner and Contractor for Construction Contract (Stipulated Price)*

A.4 *Oneida Nation's Indian Preference in Contracting Law (a.k.a Indian Preference Law)*

A.5 *Oneida Nation - AIA Supplementary Conditions*

A.6 *Oneida Nation - EJCDC Supplementary Conditions*

A.7 *Oneida Engineering Department's Document 00 22 01 - Indian Preference Vendors*

A.8 *Oneida Engineering Department's Document 00 31 43 - Permit Fee Schedule*

A.9 *Oneida Engineering Department's Document 00 43 10 - Documentation of Special Pricing*

A.10 *Oneida Engineering Department's Document 00 73 43 Wage Rate Determination*

A.11 *Oneida Engineering Department's Document 01 20 10 - Special Product Purchasing Procedures*

A.12 *Oneida Nation - Temporary Project Sign Standard Layout*

A.13 *Oneida Nation – Data Room Configuration Standard*

A.14 *Oneida Casino Network Standards*

PARTITION LEGEND

- EXISTING CONSTRUCTION TO REMAIN.
- EXISTING CONSTRUCTION TO BE DEMOLISHED.
- NEW ONE HOUR FIRE AND SMOKE PARTITION WALL, FULL HEIGHT.

SHEET A1 - PLAN NOTES:

1. EQUIPMENT/ SHELVING BY OWNER - N.I.C.
2. SEE DETAIL 5/A2 FOR Rx RACK DETAIL.
3. REMOVE EXISTING CAGE ENCLOSURE AND RETURN TO OWNER.
4. SITE CLEAR EXISTING WOOD SHELVING WITHIN PROJECT AREA. MODIFY SHELVING TO TERMINATE AGAINST WEST SIDE OF NEW WALL.
5. SITE CLEAR EXISTING H.M. DOOR, MODIFY OR REPLACE H.M. FRAME AS REQUIRED, PROVIDE NEW 4'-0" x 7'-0" H.M. DUTCH DOOR WITH SHELF FOR INSTALLATION IN A ONE-HOUR FIRE AND SMOKE PARTITION. MAGNETIC HOLD-OPEN FOR UPPER LEAF TIED TO FIRE ALARM SYSTEM. PROVIDE ALL REQUIRED HARDWARE TO BE CODE COMPLIANT. ELECTRIC 24V DC STRIKE FOR PALM READER. KICKPLATES ON BOTH SIDES.

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH APPLICABLE BUILDING CODES.
2. DESIGN-BUILDER SHALL COORDINATE ALL TRADES, TO ENSURE TIMELY COMPLETION OF THE SCOPE OF WORK.
3. SCOPE OF WORK INCLUDES:
   - 3.1. ALL FIRE PROTECTION SYSTEM MODIFICATIONS AS REQUIRED BY ROOM CONFIGURATION.
   - 3.2. ALL PLUMBING REQUIRED TO SERVICE NEW SINK.
   - 3.3. ALL HVAC SYSTEM MODIFICATIONS AS REQUIRED BY ROOM CONFIGURATION.

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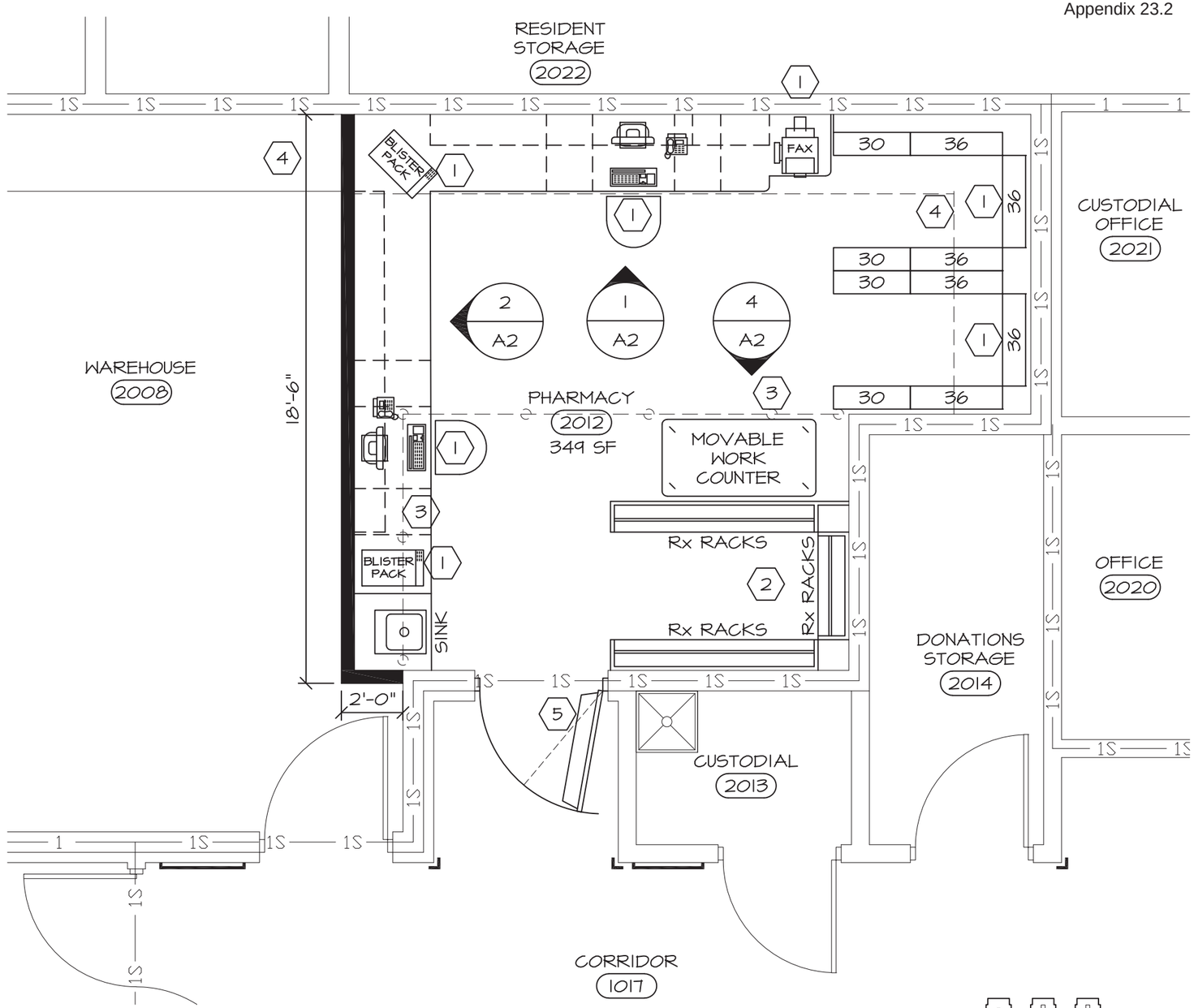
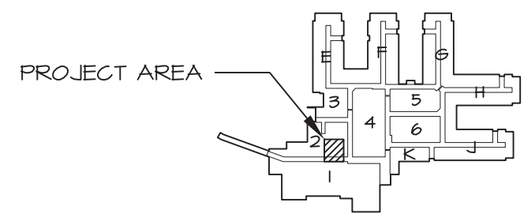


SHEET INDEX:

FLOOR PLAN
SCALE: 1/4" = 1'-0"



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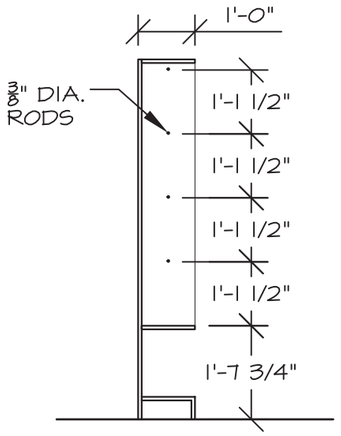
ONEIDA
DEVELOPMENT DIVISION
ENGINEERING DEPT.
ONEIDA, WISCONSIN

OCHC SATELLITE PHARMACY AT:
ANNA JOHN RESIDENT CENTERED CARE COMMUNITY
ONEIDA, WISCONSIN

DATE 6/29/17
PROJECT NO. 16-013
SHEET A1



PHARMACY 2012 — 5 / A2

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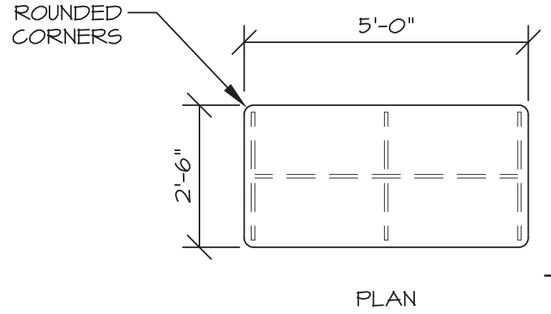
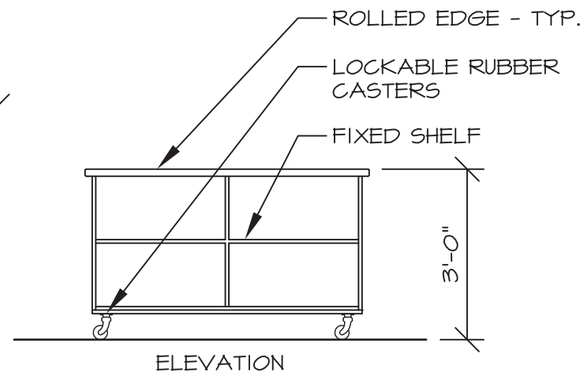


PLAN



ELEVATION

PHARMACY 2012 — 4 / A2

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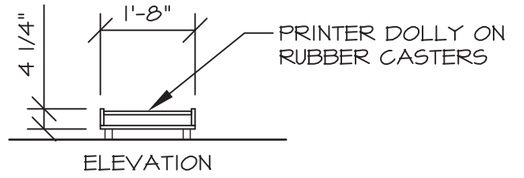

ELEVATION

PHARMACY 2012 — 3 / A2

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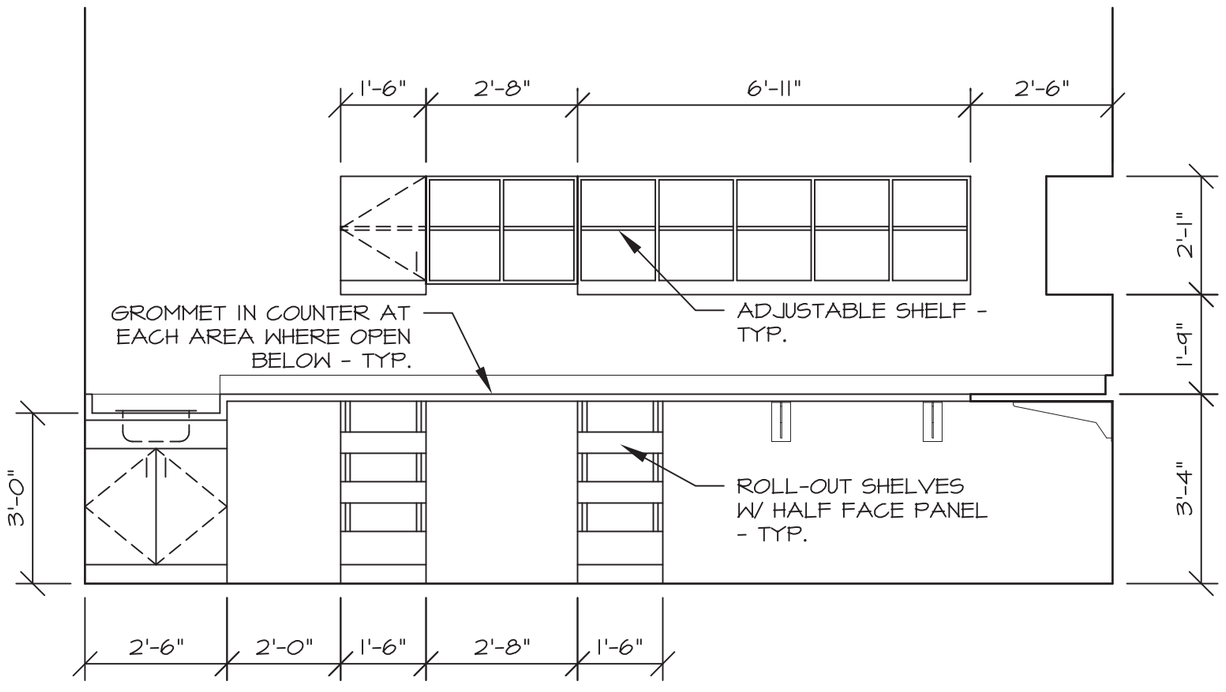

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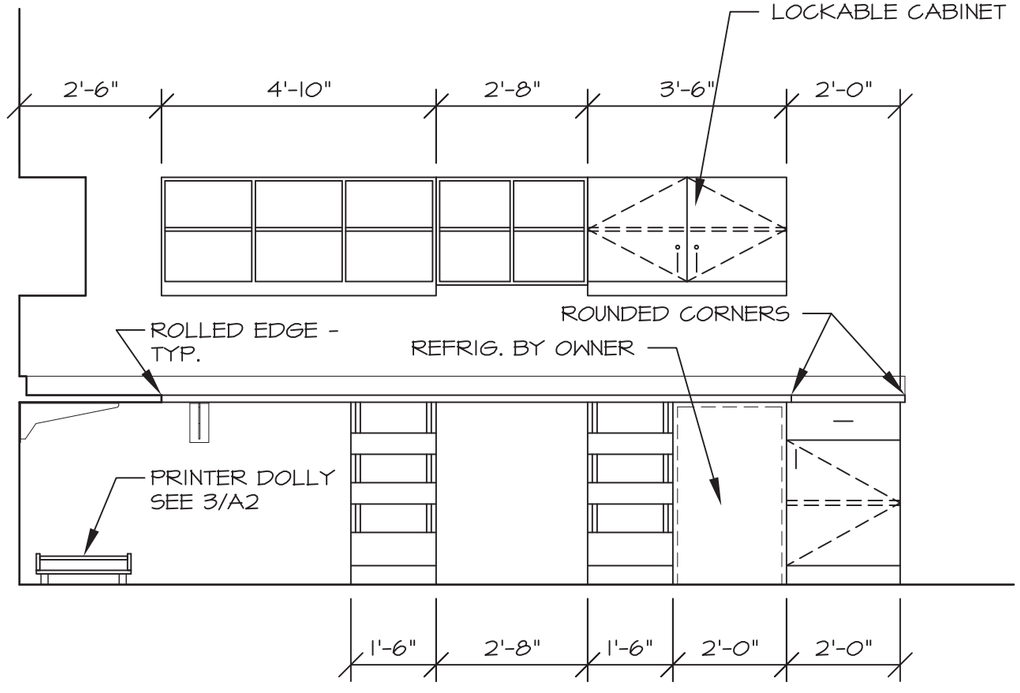

PHARMACY 2012 — 1 / A2

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ONEIDA, WISCONSIN

OCHC SATELLITE PHARMACY AT:
ANNA JOHN RESIDENT CENTERED CARE COMMUNITY
ONEIDA, WISCONSIN

DATE
6/29/17

PROJECT NO.
16-013

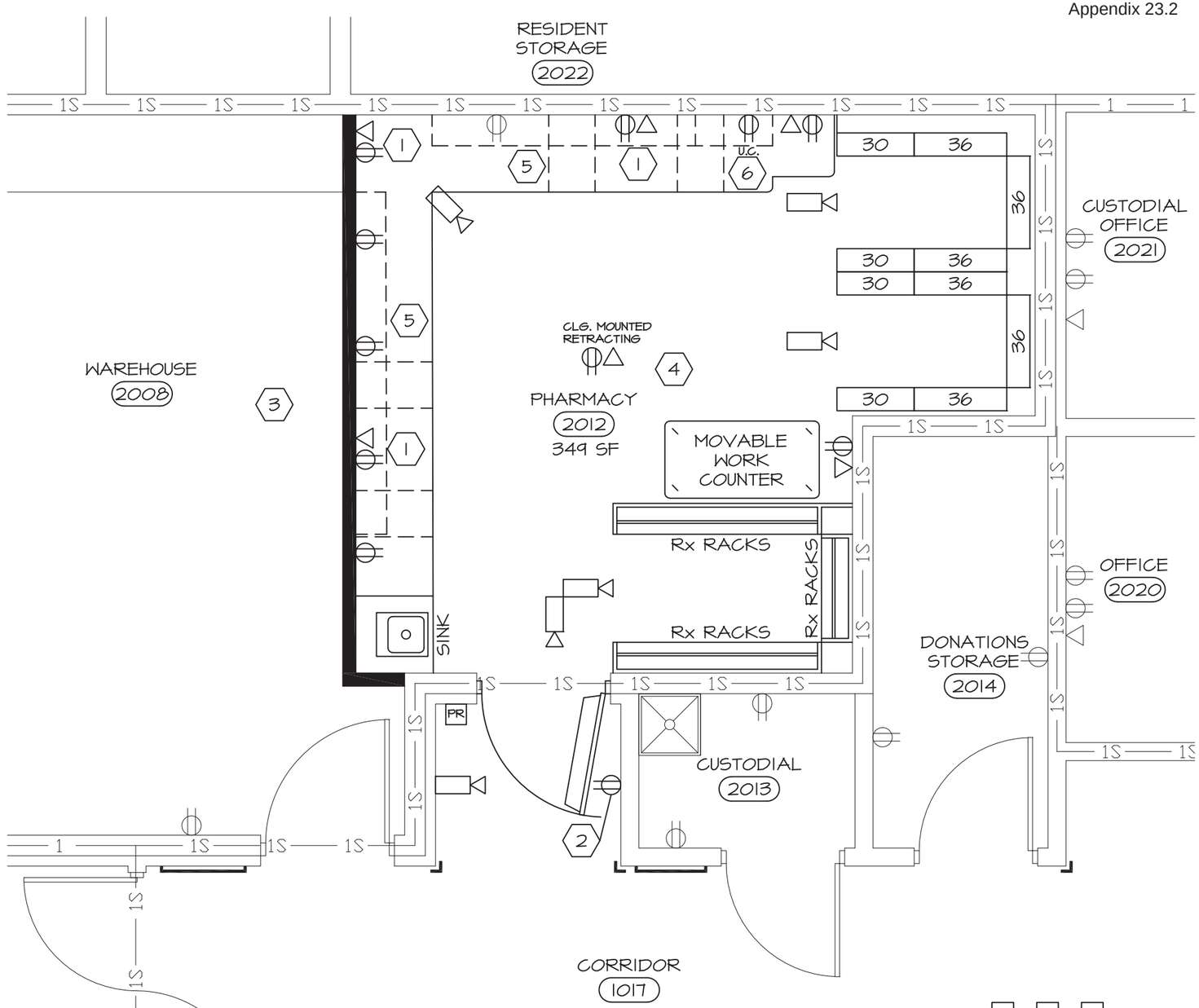
SHEET
A2

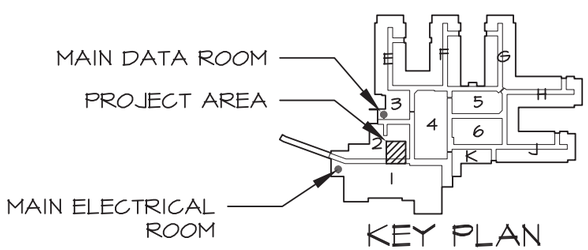
SYMBOL KEY

- ELECTRICAL RECEPTACLE - EXISTING.
- ELECTRICAL RECEPTACLE - NEW.
- VOICE/DATA OUTLET - EXISTING.
- VOICE/DATA OUTLET - NEW.
- PALM READER.
- SECURITY CAMERA.

SHEET E1 - PLAN NOTES:

1. PROVIDE POWER AND DATA OUTLETS ABOVE AND BELOW COUNTER AT THIS LOCATION. OTHER OUTLETS ABOVE COUNTER UNLESS NOTED WITH U.C. (UNDER-COUNTER).
2. RECEPTACLE MOUNTED AT HEIGHT FOR MAGNETIC HOLD-OPEN DEVICE FOR UPPER DOOR LEAF.
3. MOVE EXISTING LIGHTING AS REQUIRED BY NEW WALL INSTALLATION.
4. PROVIDE NEW LIGHTING AS REQUIRED TO PROPERLY ILLUMINATE ROOM. 2x4 SURFACE MOUNT FIXTURES.
5. PROVIDE UNDER-CABINET LED LIGHTING.
6. RECEPTACLE ON EMERGENCY CIRCUIT.





ELECTRICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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ONEIDA, WISCONSIN

DATE
6/29/17

PROJECT NO.
16-013

SHEET
E1

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Engberg Anderson
MILWAUKEE • MADISON • TUCSON

ONEIDA RESIDENT-CENTERED CARE COMMUNITY

Oneida, Wisconsin | RECORD DOCUMENTS

PROJECT

SEAL

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Ph 414 526-4905

DRAWINGS

T001 Title Sheet; Drawing Index
(formerly Sheet #T101 for Bid Package #1 and Sheet #T201 for Bid Package #2)

– Lease Boundary Survey (For Reference Only)

[1]C201 Site Demolition Plan
[1]C301 Site Plan
[2]C302 Patio Details
[1]C303 Site Details
[2]C304 Signage Plan
[2]C305 Entry Paving Plan
[1]C401 Grading Plan
[1]C403 Erosion Control Plan
[1]C501 Utility Plan
[1]C502 Utility Details
[1]C601 Profiles

[2]A001 Graphic Symbols; Abbreviations; Job Sign
[2]A002 First Floor Overall Plan / Key Plan
[2]A003 First Floor Code Compliance Plan
[2]A004 Code Compliance Data & Schedules
[2]A101-1 First Floor Plan - Area 1
[2]A101-2 First Floor Plan - Area 2
[2]A101-3 First Floor Plan - Area 3
[2]A102 Roof Plan - Overall
[2]A201-1 First Floor Reflected Ceiling Plan - Area 1
[2]A201-2 First Floor Reflected Ceiling Plan - Area 2
A201-3 First Floor Reflected Ceiling Plan - Area 3
[2]A301 Typical Resident Units - Enlarged Floor Plans; Door and Room Finish Schedules
[2]A302 Typical Resident Units - Enlarged Reflected Ceiling Plans
[2]A303 Enlarged Floor Plans
[2]A401 Exterior Elevations & Window Types
[2]A402 Exterior Elevations
[2]A403 Exterior Elevations
[2]A404 Building Sections
[2]A405 Building Sections
[2]A406 Canopy Plans, Elevations, & Sections
[2]A407 Canopy Details
[2]A501 Wall Sections & Details
[2]A502 Roof Types; Wall Sections & Details
[2]A503 Wall Sections & Details
[2]A504 Exterior Envelope Details
[2]A505 Exterior Envelope Details
[2]A506 Exterior Envelope Details
[2]A601 Door Schedule
[2]A602 Door and Frame Types; Details
[2]A603 Interior Wall Types
[2]A604 Interior Assemblies Details
[2]A701-1 First Floor Finish Plan - Area 1
[2]A701-2 First Floor Finish Plan - Area 2
[2]A701-3 First Floor Finish Plan - Area 3
[2]A702 Room Finish Schedule
[2]A801 Interior Elevations
[2]A802 Interior Elevations
[2]A803 Interior Elevations
[2]A804 Interior Elevations
[2]A805 Interior Elevations
[2]A806 Interior Elevations
[2]A807 Interior Elevations
[2]A901 Interior Details
[2]A902 Interior Details

[1]S001 Structural Notes & Schedules
[1]S002 Snow Drift Diagram & Roof Design Notes
[1]S101 Overall Foundation Plan
[1]S101-1 Partial Foundation Plan - Area 1
[1]S101-2 Partial Foundation Plan - Area 2
[1]S101-3 Partial Foundation Plan - Area 3
[2]S102-1 Partial Roof Framing Plan - Area 1
[2]S102-2 Partial Roof Framing Plan - Area 2
[2]S102-3 Partial Roof Framing Plan - Area 3
[1]S300 Foundation Details
[2]S400 Framing Details
[2]S401 Framing Details
[2]S500 Framing Details
[2]S501 Framing Details

[2]FS102 Main Kitchen Plan
[2]FS103 Satellite Kitchen Plans
[2]FS201 Kitchen Equipment Schedule
[2]FS202 Kitchen Mechanical Reference Plan
[2]FS203 Kitchen Electrical Reference Plan

[2]L101 Landscape Plan
[2]L103 Landscape Details

Reference Set for Project #16-013.

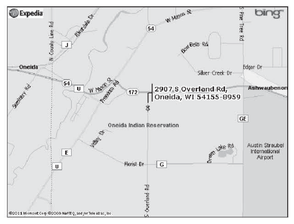
Highlighted sheets are included. Other sheets available upon request.

Full set will be provided to awarded Design-Builder.

The following sheets are also included:

- FP-4 of 7 Fire Protection - Area 3
- P103 Plumbing DWV Plan - Area 3
- P203 Plumbing Domestic Water Plan - Area 3
- H101-3 HVAC Ductwork Plan - Area 3
- H201-3 HVAC Piping Plan - Area 3
- H500 HVAC Schedules
- H501 HVAC Schedules
- H502 HVAC Schedules
- E101-3 Electrical Lighting Plan - Area 3
- E201-3 Electrical Power Plan - Area 3
- E301-3 Electrical Data Plan - Area 3
- E806 Electrical Panel Schedule
- E808 Electrical Panel Schedule

SITE LOCATION MAP



ONEIDA RESIDENT-CENTERED CARE COMMUNITY
CIP #98-005
ONEIDA, WISCONSIN

Owner
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P.O. Box 365
Oneida, WI 54155
Project No 051514

Issued For:

	No.	Description	Date
T101	01	Plan Review	08-08-2011
	02	Bid	08-17-2011
	03	Record Documents	02-11-2013
T201	01	Plan Review	09-27-2011
	02	Bid	10-11-2011
	03	Record Documents	02-11-2013

KEY:

[1]A000 DENOTES THAT DRAWING WAS ISSUED UNDER BID PACKAGE #1

[2]A000 DENOTES THAT DRAWING WAS ISSUED UNDER BID PACKAGE #2

Drawings for the Following Work are Provided Separately by the Design-Build Subcontractors, and are Not Included in this Drawing Set:
- Fire Suppression
- Plumbing
- HVAC
- Electrical
- Information Technology
- Electronic Safety & Security
- Solar Thermal

Drawn by JCB
Checked by
File 1514T001.dwg

Title Sheet; Drawing Index

T001

GENERAL NOTES

A. DIMENSIONS TO INTERIOR WALLS:
ALL DIMENSION STRINGS SHOWN TO INTERIOR WALLS ARE TAKEN TO THE FACE OF GWB OR FACE OF CMU, UNLESS OTHERWISE NOTED. ANY INTERIOR WALL THICKNESSES SHOWN ON THE PLAN ARE OF THEIR NOMINAL (NOT ACTUAL) FINISHED THICKNESS.

B. DIMENSIONS TO EXTERIOR WALLS:
ALL DIMENSION STRINGS SHOWN TO INTERIOR SIDE OF EXTERIOR WALLS ARE TAKEN TO THE FACE OF WOOD STUD OR FACE OF CMU, UNLESS OTHERWISE NOTED.

C. SEE A301 FOR TYPICAL FLOOR PLANS OF EACH RESIDENT UNIT TYPE.

D. UNLESS OTHERWISE NOTED, ALL FLOOR SLAB ELEVATIONS SHALL BE EL. 100'-0".

LEGEND

- SEE A001 FOR ALL ARCHITECTURAL SYMBOLS NOT INCLUDED IN THIS LEGEND
- FEC — FIRE EXTINGUISHER CABINET FURNISHED AND INSTALLED BY CONTRACTOR, EXTINGUISHER SUPPLIED BY OWNER
- FE — WALL-HUNG FIRE EXTINGUISHER FURNISHED AND INSTALLED BY OWNER
- AP — WALL ACCESS PANEL AS SCHEDULED, BOTTOM OF PANEL TO BE AT 48" AFF, COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR
- DS — DOWNSPOUT, SEE ROOF PLAN AND ELEVATIONS, SEE CIVIL FOR CONNECTION TO STORM SEWER

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04	ASI-10	01-03-2012
05	ASI-14	05-18-2012
06	ASI-16	06-11-2012
07	Record Documents	02-11-2013

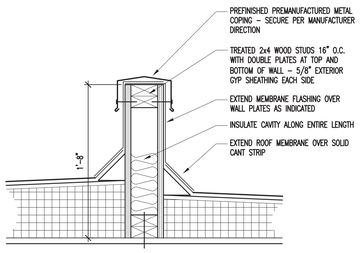
AREA 1
AREA 2
AREA 3

Drawn by JCB
Checked by KVL
File 1514A101-1_to_A101-3.dwg

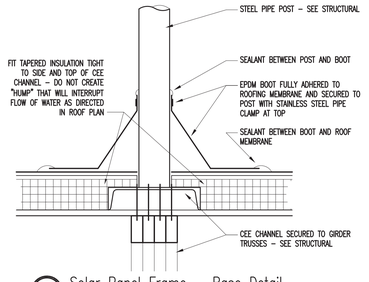
First Floor Plan - Area 3

A101-3

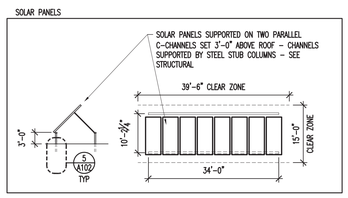
1 A101-3 First Floor Plan – Area 3
SCALE: 1/8"=1'-0"

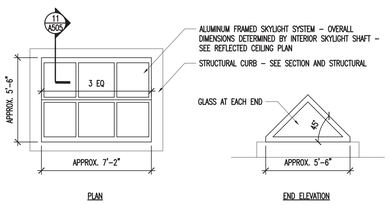


4 A102 Roof Area Divider
SCALE: 1 1/2"=1'-0"

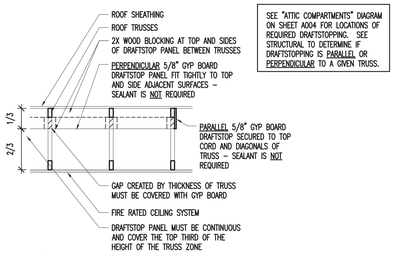


5 A102 Solar Panel Frame – Base Detail
SCALE: 1 1/2"=1'-0"





2 A102 Skylight
SCALE: 1/4"=1'-0"



SEE "ATTIC COMPARTMENTS" DIAGRAM ON SHEET A004 FOR LOCATIONS OF REQUIRED DRAFTSTOPPING. SEE STRUCTURAL TO DETERMINE IF DRAFTSTOPPING IS PARALLEL OR PERPENDICULAR TO A GIVEN TRUSS.

3 A102 Draftstopping at Flat Roof Trusses
SCALE: 1/2"=1'-0"

1 A102 Roof Plan
SCALE: 1/16"=1'-0"

INDICATES DIRECTION OF DOWNWARD FLOW
INDICATES ROOF DRAIN SUMP – 24" SQUARE
+7.5 INDICATES HEIGHT OF INSULATION ABOVE ROOF DECK
TUBULAR DAYLIGHTING DEVICE
SB SPLASH BLOCK
M OR HVAC MECHANICAL ITEM THAT PIERCES ROOF – SEE MECHANICAL FOR DETAILS

NOTE:
– "AREA SEPARATION BELOW" NOTE IS FOR REFERENCE ONLY – PLANE OF ROOF MEMBRANE WILL BE UNINTERRUPTED ACROSS THESE LINES.
– "ROOF AREA DIVIDER" IS A DETAIL TO ACCOMMODATE CHANGE IN INSULATION ELEVATIONS.
– EXTENT OF PRECAST STRUCTURE BELOW IS FOR REFERENCE ONLY – PLANE OF ROOF MEMBRANE WILL BE UNINTERRUPTED ACROSS THESE LINES.

NOTE:
– "ROOF TYPES" ARE SHOWN AT 1/A502.
– FLAT ROOF OF MAIN BUILDING IS TYPE 2 FOR WOOD TRUSS STRUCTURE AND TYPE 3 FOR CONCRETE PLANK.

NOTE:
THE LOCATION OF ALL TUBULAR DAYLIGHTING DEVICES IS SET BY THE SUSPENDED CEILING GRID SYSTEM INDICATED IN THE REFLECTED CEILING PLANS.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE DIMENSIONS WITH THE RELEVANT CONTRACTORS INCLUDING THE TRUSS MANUFACTURER. THOUGH THE EXACT PLACEMENT OF THE TRUSSES IS TO BE DETERMINED BY THE TRUSS MANUFACTURER, TRUSSES ADJACENT TO THE TUBULAR DAYLIGHTING DEVICES ARE TO BE SPACED BASED ON THE DIMENSIONAL REQUIREMENTS OF THE TUBE AND SHAFTWALL ASSEMBLY. SEE 7/A502 REGARDING THIS ASSEMBLY.

NOTE:
INSTALL CRICKET ON "HIGH" SIDE OF ALL MECHANICAL CURBS THAT ARE GREATER THAN 5'-0" IN LENGTH – SIMILAR TO THOSE SHOWN FOR SKYLIGHTS.

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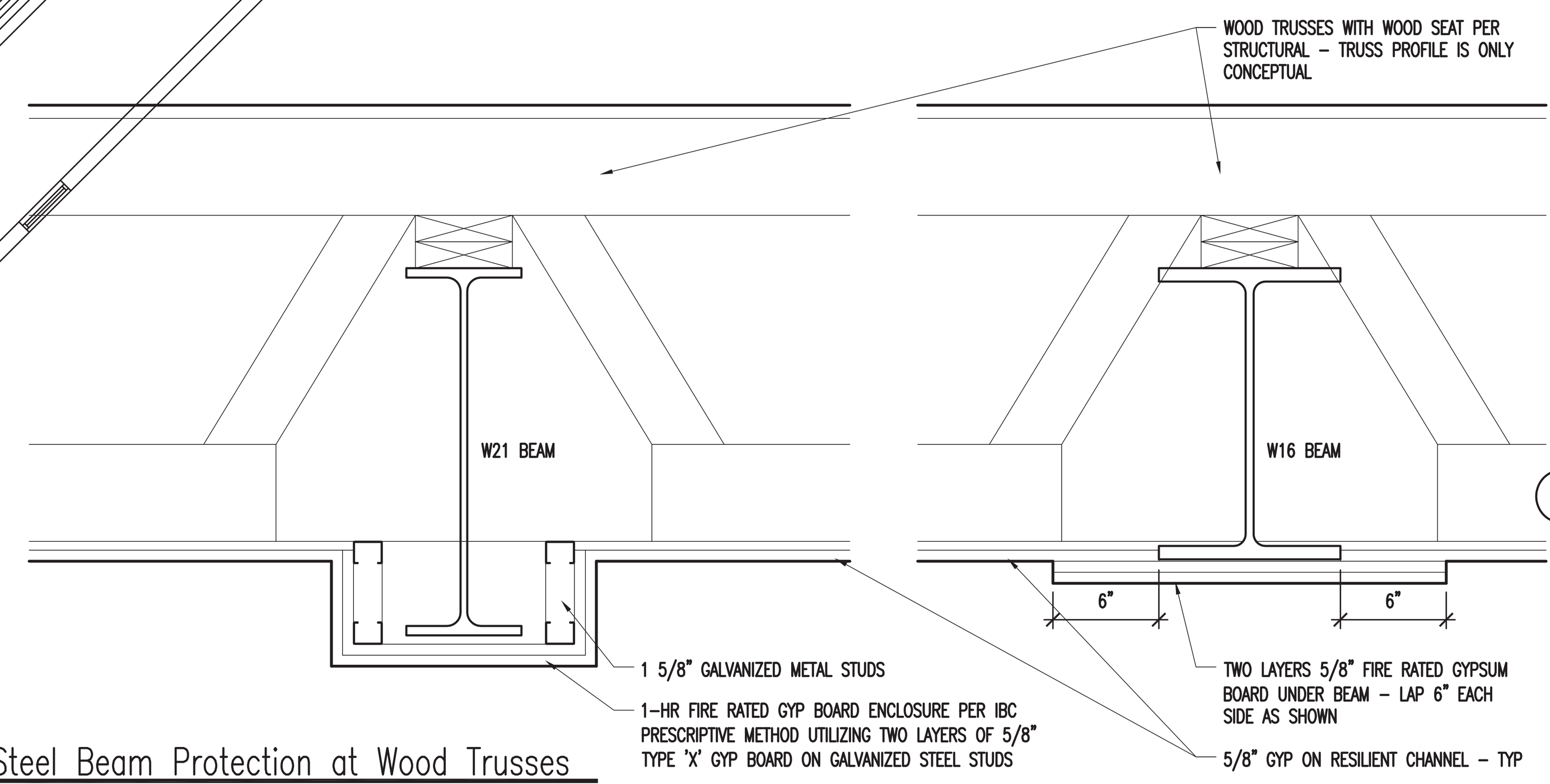
Checked by JCB
File 1514A102.dwg

Roof Plan - Overall

A102



2 A201-3 Steel Beam Protection at Wood Trusses
SCALE: 1 1/2"=1'-0"

GENERAL NOTES

A. ALL LIGHTING FIXTURES SHOWN ON THIS PLAN ARE INTENDED FOR IDENTIFYING PLACEMENT ONLY. SEE ELECTRICAL DRAWINGS FOR EXACT FIXTURE TYPES, FIXTURE SCHEDULE, MOUNTING, CIRCUITING, CONTROLS, AND OTHER TECHNICAL INFORMATION.

B. DIMENSIONS TO INTERIOR WALLS: ALL DIMENSION STRINGS SHOWN TO INTERIOR WALLS ARE TAKEN TO THE FACE OF GWB OR FACE OF CMU, UNLESS OTHERWISE NOTED.

C. DIMENSIONS TO EXTERIOR WALLS: ALL DIMENSION STRINGS SHOWN TO INTERIOR SIDE OF EXTERIOR WALLS ARE TAKEN TO THE FACE OF WOOD STUD OR FACE OF CMU, UNLESS OTHERWISE NOTED.

D. SEE A302 FOR TYPICAL REFLECTED CEILING PLANS OF EACH RESIDENT UNIT TYPE.

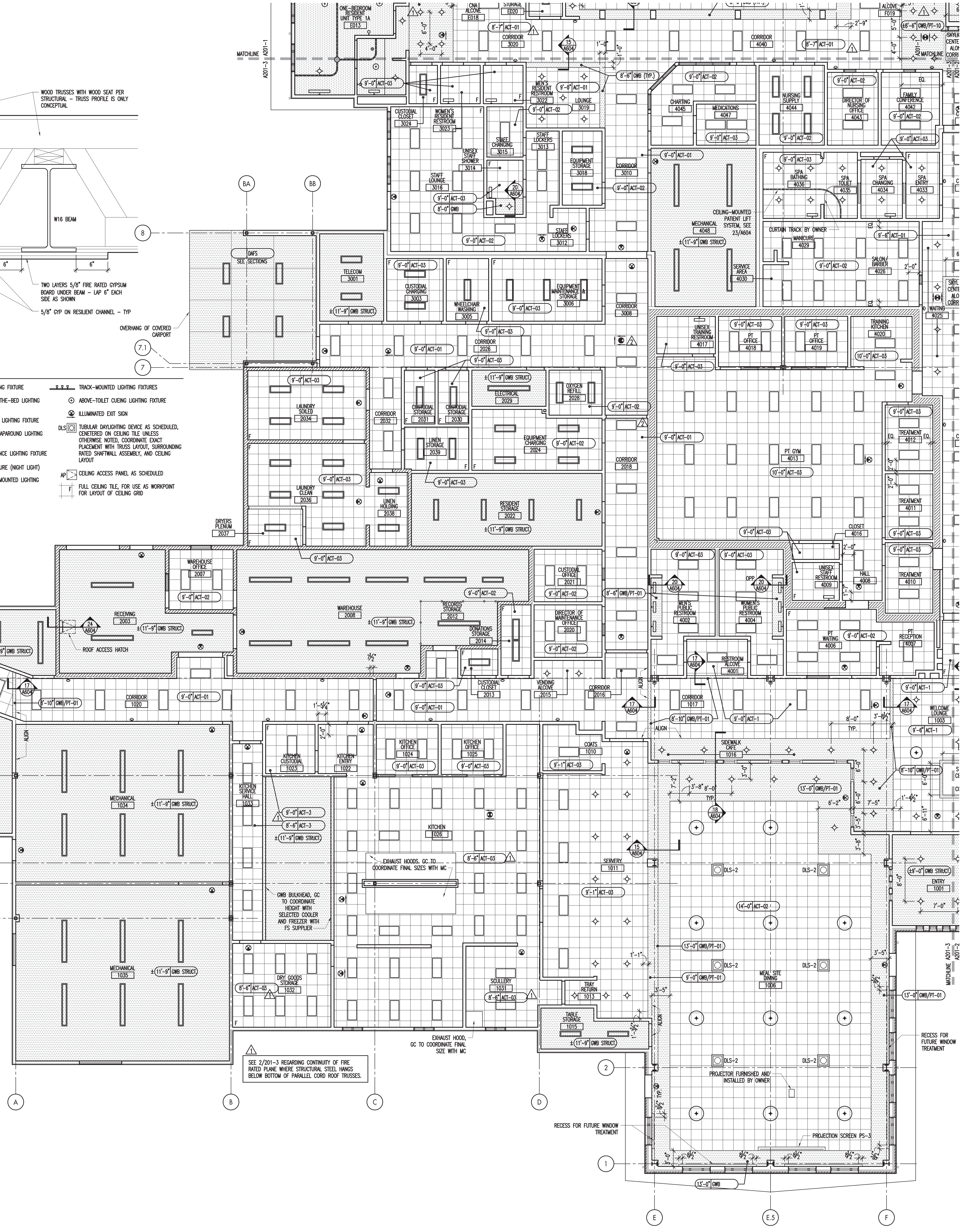
E. TRUSS LAYOUT SHALL BE COORDINATED WITH EXACT PLACEMENT OF TUBULAR DAYLIGHTING DEVICES AND SURROUNDING RATED SHAFTWALL ASSEMBLY. SEE LEGEND.

F. UNLESS OTHERWISE DIMENSIONED OR NOTED, CEILING GRID IN EACH ROOM/SPACE SHALL BE CENTERED IN BOTH DIRECTIONS.

G. UNLESS OTHERWISE DIMENSIONED OR NOTED, CEILING GRID IN CORRIDORS SHALL BE CENTERED ALONG THE WIDTH OF THE CORRIDOR.

LEGEND

- SEE ELECTRICAL DRAWINGS FOR SPECIFIC LIGHTING FIXTURE INFORMATION
- SEE A001 FOR ALL ARCHITECTURAL SYMBOLS NOT INCLUDED IN THIS LEGEND
- 2'x4' RECESSED LAY-IN LIGHTING FIXTURE
- SURFACE-MOUNTED BOWL LIGHTING FIXTURE
- RECESSED DOWNLIGHT
- SURFACE-MOUNTED OR SUSPENDED INDUSTRIAL LIGHTING FIXTURE
- PENDANT-MOUNTED BOWL LIGHTING FIXTURE
- UNDER-CABINET LIGHTING FIXTURE
- WALL-MOUNTED OVER-THE-BED LIGHTING FIXTURE
- WALL-MOUNTED VANITY LIGHTING FIXTURE
- SURFACE-MOUNTED WRAPAROUND LIGHTING FIXTURE
- DECORATIVE WALL-SCONCE LIGHTING FIXTURE
- HALLWAY LIGHTING FIXTURE (NIGHT LIGHT)
- DECORATIVE PENDANT-MOUNTED LIGHTING FIXTURE
- TRACK-MOUNTED LIGHTING FIXTURES
- ABOVE-TOILET CUEING LIGHTING FIXTURE
- ILLUMINATED EXIT SIGN
- DLS TUBULAR DAYLIGHTING DEVICE AS SCHEDULED, CENETERED ON CEILING TILE UNLESS OTHERWISE NOTED, COORDINATE EXACT PLACEMENT WITH TRUSS LAYOUT, SURROUNDING RATED SHAFTWALL ASSEMBLY, AND CEILING LAYOUT
- AP CEILING ACCESS PANEL AS SCHEDULED
- F FULL CEILING TILE, FOR USE AS WORKPOINT FOR LAYOUT OF CEILING GRID



1 A201-3 First Floor Reflected Ceiling Plan – Area 3
SCALE: 1/8"=1'-0"

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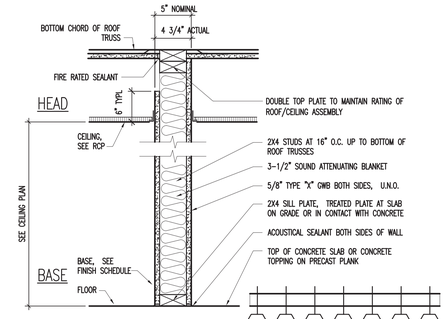
Checked by	JWH
File	1514A201-1_to_A201-3.dwg

First Floor Reflected Ceiling Plan - Area 3

A201-3



1A SAME AS WALL TYPE 1 WITHOUT SOUND ATTENUATING BLANKET

1B SAME AS WALL TYPE 1 WITHOUT SOUND ATTENUATING BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE. SEE INTERIOR ELEVATIONS FOR HEIGHT OF WALL.

1C SAME AS WALL TYPE 1 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON BOTH SIDES OF WALL

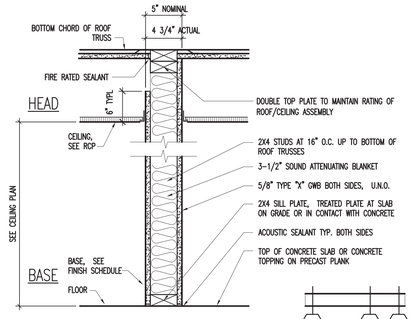
1D SAME AS WALL TYPE 1 WITHOUT SOUND ATTENUATING BLANKET. SEE INTERIOR ELEVATIONS FOR HEIGHT OF WALL.

1E SAME AS WALL TYPE 1 WITHOUT SOUND ATTENUATING BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON BOTH SIDES OF WALL. SEE INTERIOR ELEVATIONS FOR HEIGHT OF WALL.

1F SAME AS WALL TYPE 1 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON ONE SIDE OF WALL

1 A603 WALL TYPE (1)

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

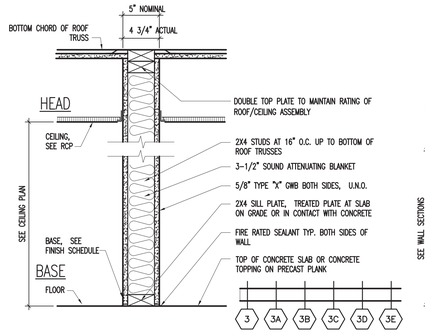


2B SAME AS WALL TYPE 2 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

2C SAME AS WALL TYPE 2 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

2 A603 WALL TYPE (2) SMOKE TIGHT

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



3A SAME AS WALL TYPE 3 WITHOUT SOUND ATTENUATING BLANKET

3B SAME AS WALL TYPE 3 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON ROOM SIDE OF WALL

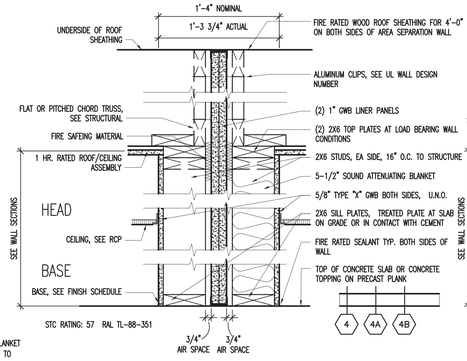
3C SAME AS WALL TYPE 3 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON BOTH SIDES OF WALL

3D SAME AS WALL TYPE 3 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON ONE SIDE OF WALL

3E SAME AS WALL TYPE 3 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON BOTH SIDES OF WALL.

3 A603 WALL TYPE (3) 1-HOUR-RATED UL DES U305

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

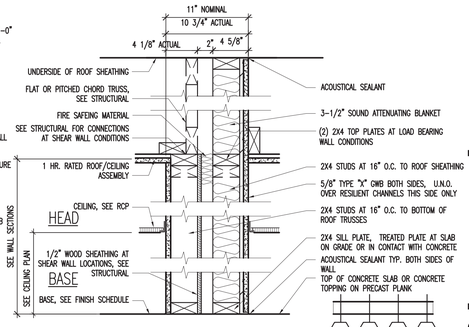


4A SAME AS WALL TYPE 4 WITHOUT SOUND ATTENUATING BLANKET STC 46 RAL TL-88-353

4B SAME AS WALL TYPE 4 EXCEPT PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON ONE SIDE OF WALL

4 A603 WALL TYPE (4) AREA SEPARATION WALL 2-HOUR-RATED UL DES U347

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



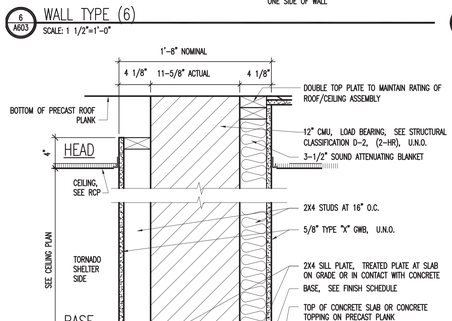
5A SAME AS WALL TYPE 5 EXCEPT PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

5B UL DES U341, 1-HOUR RATED. SAME AS WALL TYPE 5 EXCEPT PROVIDE 3-1/2" SOUND ATTENUATING BLANKET IN BOTH STUD CAVITIES

5C UL DES U341, 1-HOUR RATED. SAME AS WALL TYPE 5 EXCEPT PROVIDE 3-1/2" SOUND ATTENUATING BLANKET IN BOTH STUD CAVITIES AND PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON NON-RESIDENT ROOM SIDE OF WALL

5 A604 WALL TYPE (5)

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



6A SAME AS WALL TYPE 6 WITHOUT SOUND ATTENUATION BLANKET

6B SAME AS WALL TYPE 6 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

6C SAME AS WALL TYPE 6 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON BOTH SIDES OF WALL

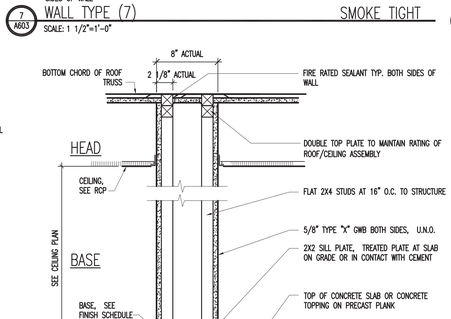
6D SAME AS WALL TYPE 6 WITHOUT SOUND ATTENUATING BLANKET. SEE INTERIOR ELEVATIONS FOR HEIGHT OF WALL.

6E SAME AS WALL TYPE 6 WITHOUT SOUND ATTENUATING BLANKET AND PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON ONE SIDE OF WALL. SEE INTERIOR ELEVATIONS FOR HEIGHT OF WALL.

6F SAME AS WALL TYPE 6 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON ONE SIDE OF WALL

6 A603 WALL TYPE (6)

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



7A SAME AS WALL TYPE 7 WITHOUT SOUND ATTENUATION BLANKET, SMOKE TIGHT

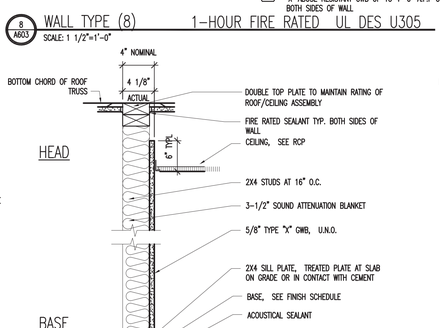
7B SAME AS WALL TYPE 7 WITH 5/8" TYPE "X" GWB BOTH SIDES OF STUDS IN LIEU OF ABUSE RESISTANT GWB

7C SAME AS WALL TYPE 7 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" GWB ON BOTH SIDES OF WALL

7D SAME AS WALL TYPE 7 WITH 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON BOTH SIDES OF WALL

7 A603 WALL TYPE (7) SMOKE TIGHT

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



8A SAME AS WALL TYPE 8 WITHOUT SOUND ATTENUATING BLANKET

8B SAME AS WALL TYPE 8 WITH 5/8" TYPE 'X' GWB BOTH SIDES OF STUDS IN LIEU OF ABUSE RESISTANT GWB

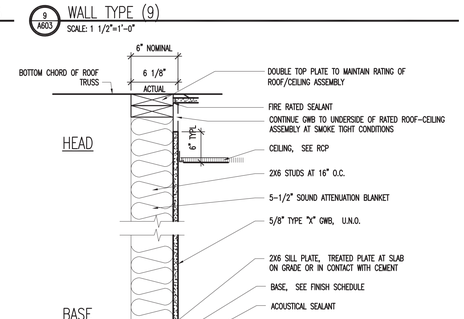
8C SAME AS WALL TYPE 8 WITHOUT SOUND ATTENUATING BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON BOTH SIDES OF WALL

8D SAME AS WALL TYPE 8 WITHOUT SOUND ATTENUATION BLANKET AND PROVIDE 5/8" TYPE "X" GWB ON BOTH SIDES OF WALL

8E SAME AS WALL TYPE 8 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F ON BOTH SIDES OF WALL

8 A603 WALL TYPE (8) 1-HOUR FIRE RATED UL DES U305

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

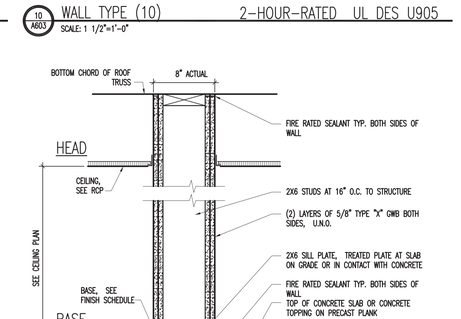


9A 1 HOUR RATED 8" CMU WALL WITHOUT 5/8" GWB AND STUDS

9B SAME AS WALL TYPE 9 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

9 A603 WALL TYPE (9)

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



10A SAME AS WALL TYPE 10 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL AND 3/4" PLYWOOD BACKER PANELS BEHIND 5/8" GWB ON ROOM SIDE

10B SAME AS WALL TYPE 10 EXCEPT ELIMINATE WOOD STUDS AND GWB ON ONE SIDE

10 A603 WALL TYPE (10) 2-HOUR-RATED UL DES U905

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

11A SAME AS WALL TYPE 11 EXCEPT PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

11B SAME AS WALL TYPE 11 EXCEPT ELIMINATE 5/8" GWB AND 2X4 STUDS ON TORNADO SHELTER SIDE OF WALL

11C SAME AS WALL TYPE 11 EXCEPT ELIMINATE 5/8" GWB AND 2X4 STUDS ON TORNADO SHELTER SIDE OF WALL AND PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F ON CORRIDOR SIDE

11D SAME AS WALL TYPE 11 EXCEPT PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON 2X6 WOOD STUDS 16" O.C. ON CORRIDOR SIDE OF WALL

11E SAME AS WALL TYPE 11 EXCEPT PROVIDE LOAD BEARING 2X6 WOOD STUDS 16" O.C. IN LIEU OF LOAD BEARING 2X4 WOOD STUDS

11F SAME AS WALL TYPE 11 EXCEPT PROVIDE 3/4" PLYWOOD BACKER PANELS BEHIND 5/8" GWB ON ROOM SIDE

11G SAME AS WALL TYPE 11 EXCEPT PROVIDE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE AND 3/4" PLYWOOD BACKER PANELS BEHIND 5/8" GWB ON ROOM SIDE

11 A603 WALL TYPE (11) 2-HOUR-RATED UL DES U905

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

12A SAME AS WALL TYPE 12 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

12 A603 WALL TYPE (12) POCKET DOOR NON-RATED

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

13 A603 WALL TYPE (13)

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

13A SAME AS WALL TYPE 13 WITHOUT SOUND ATTENUATION BLANKET

13B SAME AS WALL TYPE 13 EXCEPT PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE OF WALL

13C SAME AS WALL TYPE 13 WITHOUT SOUND ATTENUATING BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON ONE SIDE OF WALL

13D SAME AS WALL TYPE 13 WITHOUT SOUND ATTENUATING BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE. SEE INTERIOR ELEVATIONS FOR HEIGHT OF WALL.

13 A603 WALL TYPE (13)

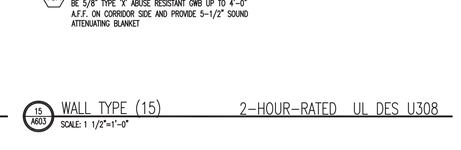
SCALE: 1 1/2"=1'-0"

14A SAME AS WALL TYPE 14 WITHOUT SOUND ATTENUATION BLANKET

14B SAME AS WALL TYPE 14 WITHOUT SOUND ATTENUATING BLANKET AND PROVIDE 5/8" TYPE "X" ABUSE RESISTANT GWB UP TO 4'-0" A.F.F ON ONE SIDE OF WALL. SMOKE TIGHT

14 A603 WALL TYPE (14)

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



15A SAME AS WALL TYPE 15 EXCEPT OUTER LAYER OF GWB TO BE 5/8" TYPE 'X' ABUSE RESISTANT GWB UP TO 4'-0" A.F.F. ON CORRIDOR SIDE AND PROVIDE 5-1/2" SOUND ATTENUATING BLANKET

15 A603 WALL TYPE (15) 2-HOUR-RATED UL DES U308

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

GENERAL NOTES

1. WALL ASSEMBLIES SEPARATING DWELLING UNITS FROM EACH OTHER OR FROM PUBLIC OR SERVICE AREAS SHALL HAVE A SOUND TRANSMISSION CLASS (STC) OF NOT LESS THAN 50 (45 IF FIELD TESTED) FOR AIR BORNE NOISE WHEN TESTED IN ACCORDANCE WITH ASTM E 90. THIS REQUIREMENT SHALL NOT APPLY TO DWELLING UNIT ENTRANCE DOORS.

2. PROVIDE JOINT TAPE AND COMPOUND PER UL DESIGN REQUIREMENTS.

3. COORDINATE WITH STRUCTURAL FOR BEARING CONDITIONS.

4. FIRE-STOP ALL PENETRATIONS INTO AND THROUGH RATED ASSEMBLIES IN A MANNER LISTED AND TESTED FOR THE SPECIFIC APPLICATION.

5. BLOCKING REQUIRED FOR STRUCTURAL BRACING IS NOT SHOWN ON THESE DRAWINGS, VERIFY ALL BLOCKING AND NAILING/FASTENING REQUIREMENTS WITH STRUCTURAL NOTES AND FRAMING PLANS. VERIFY LOCATIONS, THICKNESS AND FASTENING REQUIREMENTS FOR THE PLYWOOD SHEATHING FOR LATERAL BRACING, REFER TO STRUCTURAL

6.

7. PROVIDE 5/8" HIGH-IMPACT GWB ALONG THE LOWEST 4 FT OF WALLS IN CORRIDORS, WHEEL-CHAIR STORAGE, CHARGING ROOM, CUSTODIAL CLOSET, LINEN STORAGE, SOILED-LINEN, TRASH ROOM OR AS NOTED OTHERWISE ON THE DRAWINGS AND SPECIFICATIONS.

Engberg Anderson
MILWAUKEE • MADISON • TUCSON

ONEIDA RESIDENT-CENTERED CARE COMMUNITY

CIP #98-005

ONEIDA, WISCONSIN

Owner
ONEIDA TRIBE OF INDIANS OF WISCONSIN
P.O. Box 365
Oneida, WI 54155

Project No 051514

Issued For:

No.	Description	Date
01	Plan Review	09-27-2011
02	Bid	10-11-2011
03	Record Documents	02-11-2013

Drawn by	JSW
Checked by	ALA
File	1514A603.dwg

Interior Wall Types

A603

NEW CMB BULKHEAD AT EXISTING HEAD OF OPENING OF REMOVED WINDOWS

CEILING HEIGHT INDICATED IS FROM FLOOR EL. 100'-0", MAINTAIN LEVEL CEILING HEIGHT THROUGHOUT ENTIRE LENGTH OF RAMPED CORRIDOR

DRY—INSPECTORS TEST LOCATED AT END LINE

OVERHANG OF COVERED CARPORT

PROTECTED WITH CLEAN AGENT SYSTEM

DRY RISER SECTION (SIM)

MATCHLINE AREA 1 / AREA 3

MATCHLINE

UP TO ATTIC

Design Area No. 8 – OH II
Density .20 Area 2500
Flow 889 gpm @ 54.9 psi
Includes 250 gpm Hose allowance

Design Area No. 9 – OH II
Density .20 Area 2500
Flow 993.3 gpm @ 50.7 psi
Includes 250 gpm Hose allowance

Design Area No. 4 – LIGHT
Density .10 Area 1500
Flow 624.9 gpm @ 44.1 psi
Includes 250 gpm Hose allowance

Design Area No. 7 – LIGHT
Density .10 Area 1500
Flow 486.7 gpm @ 60.9 psi
Includes 250 gpm Hose allowance

Design Area No. 8 – LIGHT
Density .10 Area 1500
Flow 505.4 gpm @ 60.2 psi
Includes 250 gpm Hose allowance

TYPICAL RISE TO FEED CC2 SPRINKLERS SEE ATTIC PLANS

RISER SECTION

EXHAUST HOODS. GC TO COORDINATE FINAL SIZES WITH SELECTED EQUIPMENT

EXHAUST HOOD. GC TO COORDINATE FINAL SIZE WITH SELECTED EQUIPMENT

DAYLIGHTING TUBE DLS-2 (TYP.)

AREA 1
AREA 2
AREA 3

SYM	SIZE	SPRINKLER LEGEND	TEMP	K	NO.
○	1/2"	TYCO TY–FRB BRASS UPRIGHT SIN#TY4151	155/200	8.0	70
⊙	1/2"	TYCO TY–FRB WHITE SEMI–REC. PENDANT SIN#TY3231	155	5.6	196
●	1/2"	TYCO DS–1 Q.R CHORME DRY PENDANT SIN#TY3235	155/286	5.6	10
◁	1/2"	TYCO TY–FRB WHITE SEMI–REC. HSW SIN#TY3331	155	5.6	1
⋈	3/4"	TYCO BB1 ATTIC HEAD SIN#TY4180	200	8.0	0
⋈	1/2"	TYCO BB1 ATTIC HEAD SIN#TY3180	200	5.6	0
◁	1/2"	TYCO SD1 ATTIC HEAD SIN#TY3183	200	0	0
◐	3/4"	TYCO TY–FRB WHITE SEMI–REC. PENDANT SIN#TY4231	155	8.0	22
		TOTAL SPRINKLERS THIS SHEET			299
		TOTAL SPRINKLERS THIS CONTRACT			1366

FLOOR PLAN AREA 3

1/8"=1'-0"

North

PRELIMINARY– (NOT FOR CONSTRUCTION) ☐
RELEASED FOR CONST. ☒
BY: xxxxxx DATE: xx/xx/xxxx

NO.	REVISIONS	BY:	DATE:
1.	APPROVAL DRAWING	RM	9/20/11
2.	FM APPROVAL	RM	4/26/12
3.	AS–BUILT	RM	8/31/12
4.	XX	XX	XX/XX/XX

GENERAL NOTES

1 SYSTEM DESIGNED PER NFPA–13 (2007)
2 ALL SYSTEM MATERIAL AND INSTALLATION PER NFPA–13 (2007)
3 ALL HANGER COMPONENTS, LOCATION, & INSTALLATION PER NFPA–13 (2007)
4 PIPE SPECIFICATIONS: 1" – 2" SCHEDULE 40
2½" – 4" SCHEDULE 10
6" – 8" ALLIED SCHEDULE 10
5 FITTING SPECIFICATIONS: SCREWED – DUCTILE IRON; GROOVED – DUCTILE IRON
6 SYMBOL (0") INDICATES CENTER LINE OF PIPE TO DECK IN INCHES
7 SYMBOL (0'–0") INDICATES CENTER LINE OF PIPE TO FINISHED FLOOR
8 SYMBOL (X) INDICATES HYDRAULIC CALCULATION POINT
9 SPRINKLERS TO BE CENTERED IN CEILING TILE
10 SPRINKLERS NOT NECESSARILY ALIGNED WITH CEILING FIXTURES
11 CEILINGS ARE ALL 0' – 0" UNLESS NOTED WITH SYMBOL (0" – 0")
12 XXX
13 XXX

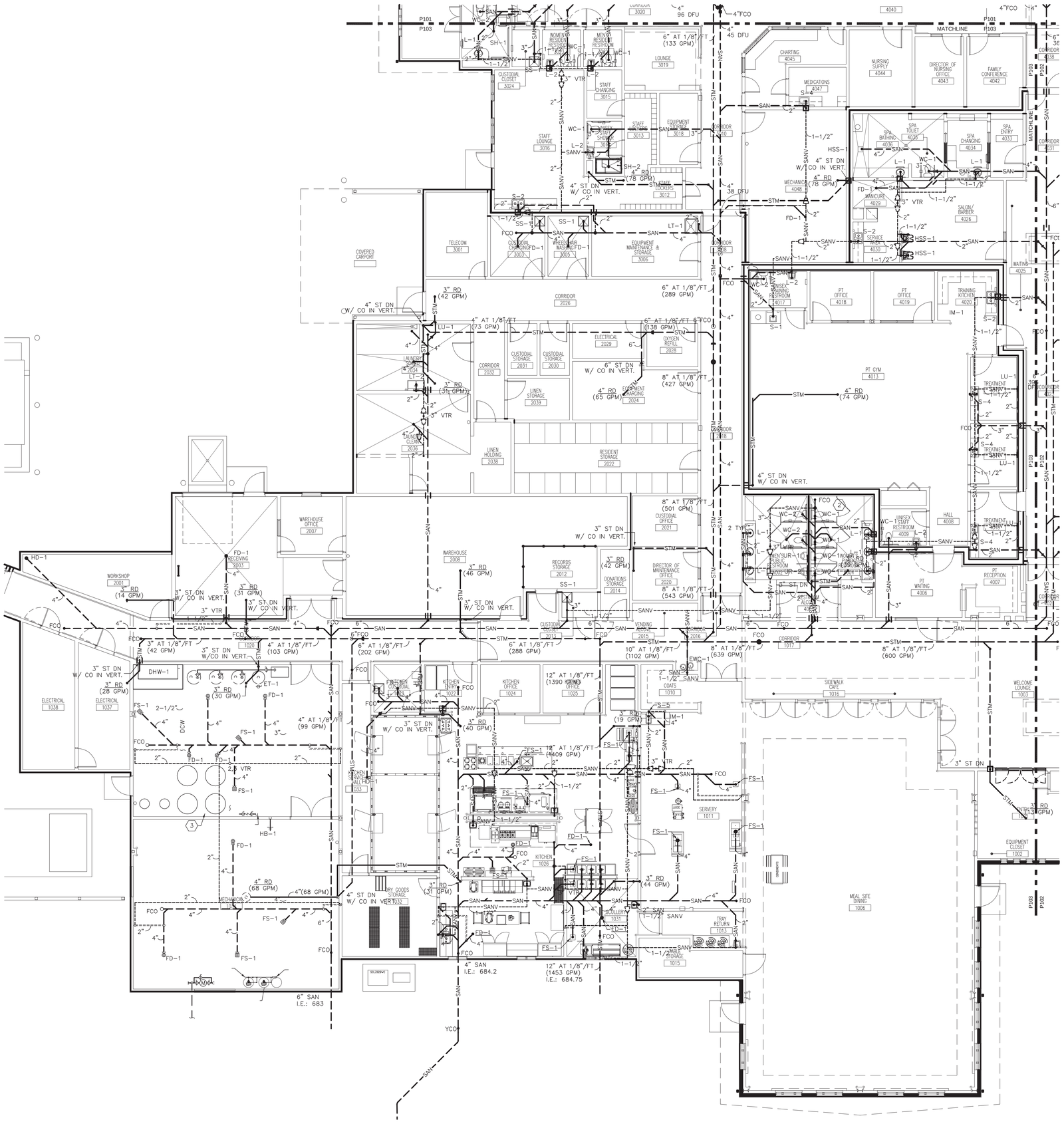
PLEASE SEE SPRINKLER TYPE, TEMPERATURE, AND FINISH ON SCHEDULE ABOVE

SHEET TITLE: FIRE PROTECTION PLAN AREA 1
DRAWN BY: RM
CHECKED BY: PJN
DATE: 9/20/2011
SCALE: 1/8" =1'-0"

REEKE-MAROLD COMPANY
-Mechanical Contractors & Engineers
1337 S. Broadway - Green Bay, WI 54306
Phone# (920) 435-5377
Fax# (920) 435-5379

PROJECT NAME
ONEIDA RESIDENT-CENTERED CARE COMMUNITY
2907 S. OVERLAND ROAD
GREEN BAY, WI 54155

DRAWING No. FP-4 of 7
CONTRACT NO. 9871
REVISIONS –



FIRST FLOOR DWV PLAN - AREA 3

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

tweet to tarot
P.O. Box 11767 / 2545 Larsen Rd.
Green Bay, WI. 54307-1767
920-498-0400
WWW.TWEETGAROT.COM

ONEIDA RESIDENT CENTERED CARE COMMUNITY
2907 SOUTH OVERLAND RD.
ONEIDA, WI 54155-8959

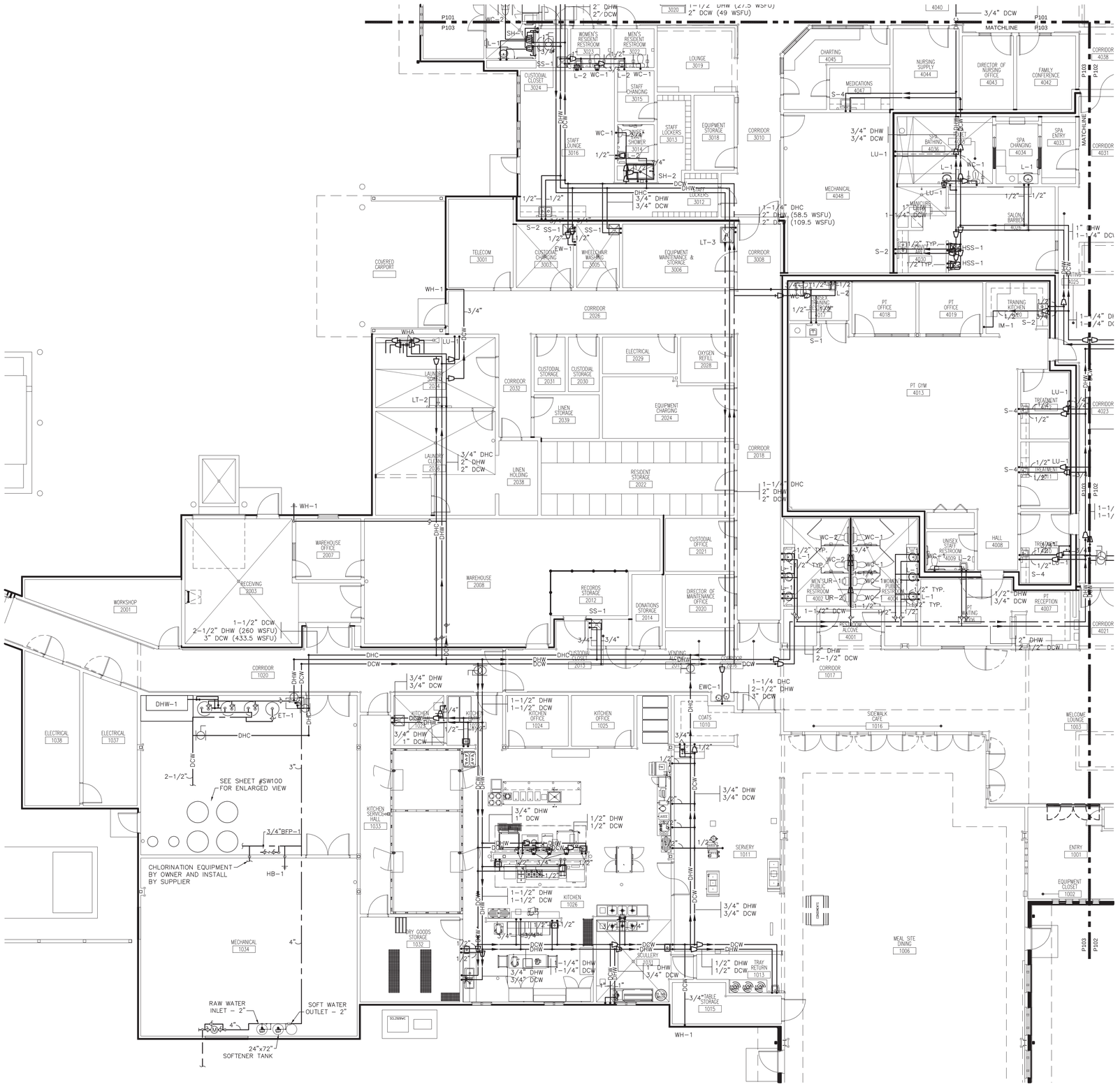
REVISIONS:

1	EA REVIEW/COORDINATION COMMENTS 9/12/
2	RECORD DRAWINGS 06/07/201

FIRST FLOOR DWV AREA 3

DATE:	08/17/2011
JOB#:	200210
DRAWN BY:	S.TOLL
CHECKED BY:	T.CAYER
SCALE:	AS SHOWN

P103



FIRST FLOOR DOMESTIC WATER PLAN - AREA 3

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

tweetgarot
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ONEIDA RESIDENT CENTERED CARE COMMUNITY

2907 SOUTH OVERLAND RD.
ONEIDA, WI 54155-8959

REVISIONS:

1	EA REVIEW/COORDINATION COMMENTS 9/12/
2	RECORD DRAWINGS 06/07/201

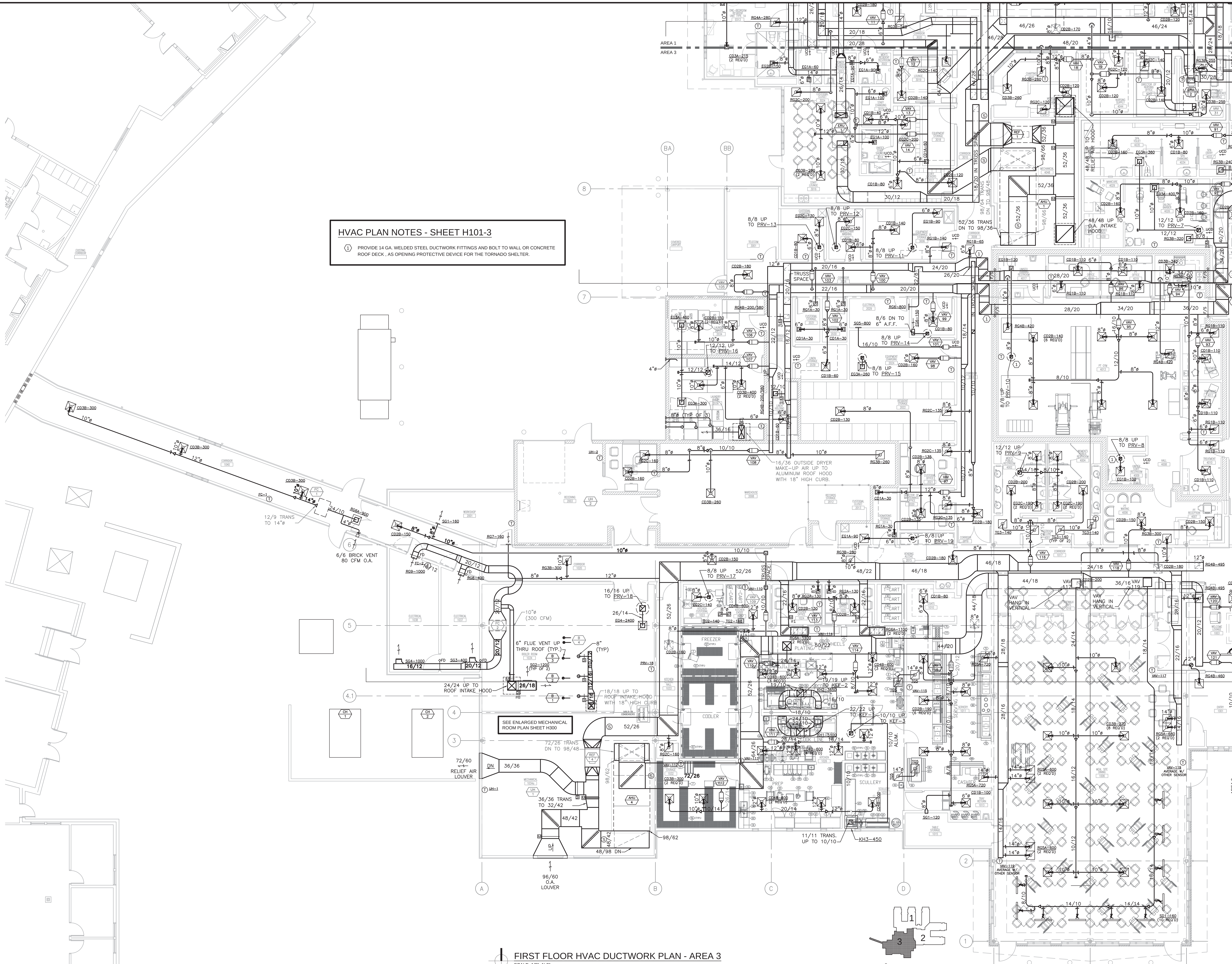
FIRST FLOOR DOMESTIC WATER AREA 3

DATE:	08/17/2011
JOB#:	200210
DRAWN BY:	S.TOLL
CHECKED BY:	T.CAYER
SCALE:	AS SHOWN

P203

HVAC PLAN NOTES - SHEET H101-3

1. PROVIDE 14 GA. WELDED STEEL DUCTWORK FITTINGS AND BOLT TO WALL OR CONCRETE ROOF DECK , AS OPENING PROTECTIVE DEVICE FOR THE TORNADO SHELTER.



FIRST FLOOR HVAC DUCTWORK PLAN - AREA 3

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

tg hs
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Green Bay, WI. 54307-1767
920-498-0400
WWW.TWEETGAROT.COM

ONEIDA RESIDENT - CENTERED CARE COMMUNITY
2907 SOUTH OVERLAND ROAD
ONEIDA, WI 54155-8959

REVISION HISTORY	
7/1/13	RECORD DRAWINGS

TITLE

FIRST FLOOR HVAC DUCTWORK PLAN - AREA 3

DATE:	09/27/2011
JOB#:	300344
DRAWN BY:	N. PETERSON
CHECKED BY:	W. ZIMPEL
SCALE:	AS SHOWN

CONSTRUCTION DOCUMENTS

H101-3

tg hs
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ONEIDA RESIDENT - CENTERED CARE COMMUNITY

2907 SOUTH OVERLAND ROAD
ONEIDA, WI 54155-8959

AREA 1
AREA 3

3/4" HWS & HWR DN TO RADIANT FLOOR HEATING MANIFOLD SERVING AREA 1E (SEE SHEET H200-1)

(11.4 GPM)

(4.0 GPM)

DRAINS

BYPASS

(17.6 GPM)

MAXITROL GAS PRESSURE REGULATOR. 1 PSIG INLET PRESSURE TO 7" W.C. 500 CFH

MAXITROL GAS PRESSURE REGULATOR. 1 PSIG INLET PRESSURE TO 7" W.C. 1300 CFH

GAS METER & SERVICE BY WPS. 9350 CFH AT 1 PSIG GAS PRESSURE

SEE ENLARGED MECHANICAL ROOM PLAN SHEET H300

SHEET H201-3 NOTES:

1. ANSUL QUICK DISCONNECT SHUT OFF GAS VALVE WITH RESTRAINING CABLE PROVIDED BY THE FIRE PROTECTION CONTRACTOR.

GAS APPLIANCE SCHEDULE

ITEM	DESCRIPTION	APPLIANCE CONN. SIZE	GAS PIPING BRANCH SIZE	GAS PRESS in. w.c.	GAS HEATING CAP. MBH
8	SIX BURNER RANGE	1"	1-1/4"	7	310
10	DISHWASHER	3/4"	1"	7	165
18	OVEN - STEAMER	3/4"	3/4"	7	91
19	STEAM KETTLE	3/4"	1"	7	170
20	CONVECTION OVEN	3/4"	3/4"	7	120
26	CONVECTION STEAMER	3/4"	3/4"	7	125
28	DEEP FRYER	1/2"	3/4"	7	120
29	TILT SKILET	3/4"	3/4"	7	120
36	FRYER	3/4"	3/4"	7	80
A	DRYER FEU17A	1/2"	3/4"	7	40
B	DRYER UT050N (FUTURE)	1/2"	3/4"	7	130
C	DRYER UT075N	1/2"	3/4"	7	165
D	DRYER UT075N	1/2"	3/4"	7	165

FIRST FLOOR HVAC PIPING PLAN - AREA 3
SCALE: 1/8"=1'-0"

KEY PLAN
SCALE: NTS

REVISION HISTORY	
7/1/13	RECORD DRAWINGS

TITLE

FIRST FLOOR HVAC PIPING PLAN - AREA 3

DATE:	09/27/2011
JOB#:	300344
DRAWN BY:	N. PETERSON
CHECKED BY:	W. ZIMPEL
SCALE:	AS SHOWN

CONSTRUCTION DOCUMENTS

H201-3

VARIABLE AIR VOLUME (VAV) BOX SCHEDULE

UNIT TAG	MFR	MODEL	INLET SIZE	COOLING CFM	MINIMUM CFM	HEATING CFM	AIR PD (in wc)	EAT (F)	LAT (F)	HEATING (MBH)	COIL ROWS	ENTERING WATER °F	FLOW (GPM)	W.P.D. Ft. w.c.
V-1	TUTTLE & BAILEY	SDV	8	600	300	450	0.24	60	100	19.4	2	190	1.5	0.27
V-2	TUTTLE & BAILEY	SDV	8	540	300	450	0.24	60	100	19.4	2	190	1.5	0.27
V-3	TUTTLE & BAILEY	SDV	6	285	90	240	0.17	60	100	10.4	2	190	0.8	0.12
V-4	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-5	TUTTLE & BAILEY	SDV	6	360	150	300	0.23	60	100	13	2	190	1	0.12
V-6	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-7	TUTTLE & BAILEY	SDV	6	360	150	300	0.23	60	100	13	2	190	1	0.12
V-8	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-9	TUTTLE & BAILEY	SDV	6	345	100	200	0.18	60	85	5.4	1	190	0.4	0.12
V-10	TUTTLE & BAILEY	SDV	7	430	150	325	0.16	60	100	14	2	190	1.1	0.16
V-11	TUTTLE & BAILEY	SDV	5	150	60	100	0.12	60	85	2.7	1	190	0.2	0.1
V-12	TUTTLE & BAILEY	SDV	5	140	50	100	0.12	60	85	2.7	1	190	0.2	0.1
V-13	TUTTLE & BAILEY	SDV	6	300	100	150	0.1	60	85	4	1	190	0.3	0.12
V-14	TUTTLE & BAILEY	SDV	8	580	175	450	0.24	60	100	19.4	2	190	1.5	0.27
V-15	TUTTLE & BAILEY	SDV	8	540	165	270	0.12	60	90	8.7	1	190	0.7	0.26
V-16	TUTTLE & BAILEY	SDV	10	860	260	600	0.22	60	95	22.7	2	190	1.8	0.55
V-17	TUTTLE & BAILEY	SDV	6	290	90	150	0.13	60	85	4	1	190	0.3	0.12
V-18	TUTTLE & BAILEY	SDV	7	380	115	190	0.15	60	85	5.1	1	190	0.4	0.12
V-19	TUTTLE & BAILEY	SDV	6	260	80	130	0.13	60	85	3.5	1	190	0.3	0.12
V-20	TUTTLE & BAILEY	SDV	8	600	300	450	0.24	60	100	19.4	2	190	1.5	0.27
V-21	TUTTLE & BAILEY	SDV	7	380	150	300	0.16	60	105	14.6	2	190	1.2	0.2
V-22	TUTTLE & BAILEY	SDV	6	290	90	240	0.17	60	100	10.4	2	190	0.8	0.12
V-23	TUTTLE & BAILEY	SDV	5	120	30	120	0.1	60	100	5.2	2	190	0.4	0.18
V-24	TUTTLE & BAILEY	SDV	6	360	150	300	0.23	60	100	13	2	190	1	0.12
V-25	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-26	TUTTLE & BAILEY	SDV	6	360	150	300	0.23	60	100	13	2	190	1	0.12
V-27	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-28	TUTTLE & BAILEY	SDV	6	310	100	185	0.13	60	85	5	1	190	0.4	0.12
V-29	TUTTLE & BAILEY	SDV	8	540	300	425	0.24	60	100	18.4	2	190	1.4	0.27
V-30	TUTTLE & BAILEY	SDV	10	715	215	- -	0.18	- -	- -	- -	- -	- -	- -	- -
V-31	TUTTLE & BAILEY	SDV	6	255	75	130	0.13	60	85	3.5	1	190	0.3	0.12
V-32	TUTTLE & BAILEY	SDV	6	360	100	180	0.18	60	85	4.8	1	190	0.4	0.12
V-33	TUTTLE & BAILEY	SDV	5	175	75	130	0.13	60	85	3.5	1	190	0.3	0.12
V-34	TUTTLE & BAILEY	SDV	8	470	140	470	0.18	60	100	20.3	2	190	1.6	0.26
V-35	TUTTLE & BAILEY	SDV	6	240	240	240	0.12	60	85	6.5	1	190	0.5	0.12
V-36	TUTTLE & BAILEY	SDV	5	140	40	70	0.12	60	85	1.9	1	190	0.2	0.1
V-37	TUTTLE & BAILEY	SDV	8	600	300	425	0.24	60	100	18.4	2	190	1.4	0.27
V-38	TUTTLE & BAILEY	SDV	7	455	135	230	0.23	60	90	7.5	2	190	0.6	0.12
V-39	TUTTLE & BAILEY	SDV	6	360	150	300	0.23	60	100	13	2	190	1	0.12
V-40	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-41	TUTTLE & BAILEY	SDV	6	360	150	300	0.23	60	100	13	2	190	1	0.12
V-42	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-43	TUTTLE & BAILEY	SDV	6	360	150	300	0.23	60	100	13	2	190	1	0.12
V-44	TUTTLE & BAILEY	SDV	6	295	90	240	0.17	60	100	10.4	2	190	0.8	0.12
V-45	TUTTLE & BAILEY	SDV	7	430	150	330	0.23	60	100	15.1	2	190	1.2	0.18
V-46	TUTTLE & BAILEY	SDV	7	380	150	350	0.16	60	100	15.1	2	190	1.2	0.2
V-47	TUTTLE & BAILEY	SDV	6	320	150	320	0.2	60	100	13.8	2	190	1.1	0.15
V-48	TUTTLE & BAILEY	SDV	8	600	300	450	0.24	60	100	19.4	2	190	1.5	0.27
V-49	TUTTLE & BAILEY	SDV	6	300	100	240	0.18	60	100	10.4	2	190	0.8	0.12
V-50	TUTTLE & BAILEY	SDV	5	120	30	120	0.15	60	100	5.2	2	190	0.4	0.18
V-51	TUTTLE & BAILEY	SDV	6	300	150	300	0.18	60	100	13	2	190	1	0.12
V-52	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-53	TUTTLE & BAILEY	SDV	6	300	150	300	0.18	60	100	13	2	190	1	0.12
V-54	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-55	TUTTLE & BAILEY	SDV	6	300	150	300	0.18	60	100	13	2	190	1	0.12
V-56	TUTTLE & BAILEY	SDV	10	715	215	- -	0.18	- -	- -	- -	- -	- -	- -	- -
V-57	TUTTLE & BAILEY	SDV	6	310	100	185	0.13	60	85	5	1	190	0.4	0.12
V-58	TUTTLE & BAILEY	SDV	6	380	115	190	0.18	60	85	5.1	1	190	0.4	0.12
V-59	TUTTLE & BAILEY	SDV	12	1000	300	650	0.21	60	100	28.1	2	190	2.2	0.28
V-60	TUTTLE & BAILEY	SDV	6	260	80	130	0.13	60	85	3.5	1	190	0.3	0.12
V-61	TUTTLE & BAILEY	SDV	5	170	50	- -	0.11	- -	- -	- -	- -	- -	- -	- -
V-62	TUTTLE & BAILEY	SDV	5	180	60	90	0.13	60	85	2.4	1	190	0.2	0.1
V-63	TUTTLE & BAILEY	SDV	5	140	50	90	0.13	60	85	2.4	1	190	0.2	0.1
V-64	TUTTLE & BAILEY	SDV	8	580	170	290	0.14	60	90	9.4	1	190	0.7	0.37
V-65	TUTTLE & BAILEY	SDV	8	540	160	- -	0.18	- -	- -	- -	- -	- -	- -	- -
V-66	TUTTLE & BAILEY	SDV	6	290	90	150	0.13	60	85	4	1	190	0.3	0.12
V-67	TUTTLE & BAILEY	SDV	6	320	150	320	0.22	60	100	13.8	2	190	1.1	0.14
V-68	TUTTLE & BAILEY	SDV	8	600	300	450	0.24	60	100	19.4	2	190	1.5	0.27
V-69	TUTTLE & BAILEY	SDV	6	290	90	240	0.18	60	100	10.4	2	190	0.8	0.12
V-70	TUTTLE & BAILEY	SDV	6	300	150	300	0.18	60	100	13	2	190	1	0.12
V-71	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-72	TUTTLE & BAILEY	SDV	6	300	150	300	0.18	60	100	13	2	190	1	0.12
V-73	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-74	TUTTLE & BAILEY	SDV	5	100	30	100	0.18	60	90	3.2	1	190	0.3	0.12
V-75	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-76	TUTTLE & BAILEY	SDV	7	400	150	300	0.15	60	100	13	2	190	1	0.12
V-77	TUTTLE & BAILEY	SDV	6	310	100	240	0.18	60	100	10.4	2	190	0.8	0.12
V-78	TUTTLE & BAILEY	SDV	6	320	320	320	0.18	60	90	10.4	2	190	0.8	0.12
V-79	TUTTLE & BAILEY	SDV	6	320	320	320	0.18	60	90	10.4	2	190	0.8	0.12
V-80	TUTTLE & BAILEY	SDV	6	320	320	320	0.18	60	90	10.4	2	190	0.8	0.12
V-81	TUTTLE & BAILEY	SDV	6	320	100	160	0.13	60	85	4.3	1	190	0.3	0.12
V-82	TUTTLE & BAILEY	SDV	6	380	380	380	0.18	60	80	8.2	1	190	0.6	0.12
V-83	TUTTLE & BAILEY	SDV	6	380	115	190	0.18	60	85	5.1	1	190	0.4	0.12
V-84	TUTTLE & BAILEY	SDV	7	480	145	240	0.24	60	85	6.5	1	190	0.5	0.12
V-85	TUTTLE & BAILEY	SDV	10	810	245	405	0.13	60	85	10.9	1	190	0.8	0.37
V-86	TUTTLE & BAILEY	SDV	6	300	90	150	0.13	60	80	3.2	1	190	0.3	0.12
V-87	TUTTLE & BAILEY	SDV	5	150	45	80	0.12	60	85	2.2	1	190	0.2	0.1
V-88	TUTTLE & BAILEY	SDV	8	660	200	330	0.2	60	85	8.9	1	190	0.7	0.26
V-89	TUTTLE & BAILEY	SDV	6	320	100	160	0.13	60	85	4.3	1	190	0.3	0.12
V-90	TUTTLE & BAILEY	SDV	6	190	60	95	0.12	60	85	2.6	1	190	0.2	0.1

VARIABLE AIR VOLUME (VAV) BOX SCHEDULE

UNIT TAG	MFR	MODEL	INLET SIZE	COOLING CFM	MINIMUM CFM	HEATING CFM	AIR PD (in wc)	EAT (F)	LAT (F)	HEATING (MBH)	COIL ROWS	ENTERING WATER °F	FLOW (GPM)	W.P.D. Ft. w.c.
V-91	TUTTLE & BAILEY	SDV	6	240	70	180	0.11	60	90	5.8	1	190	0.4	0.12
V-92	TUTTLE & BAILEY	SDV	6	320	100	160	0.13	60	90	5.2	1	190	0.4	0.12
V-93	TUTTLE & BAILEY	SDV	6	330	330	330	0.11	60	85	6.5	1	190	0.5	0.12
V-94	TUTTLE & BAILEY	SDV	6	340	100	170	0.13	60	85	4.6	1	190	0.4	0.12
V-95	TUTTLE & BAILEY	SDV	10	840	250	420	0.13	60	85	11.3	1	190	0.8	0.37
V-96	TUTTLE & BAILEY	SDV	6	220	65	110	0.11	60	85	3	1	190	0.2	0.1
V-97	TUTTLE & BAILEY	SDV	8	610	185	300	0.23	60	85	8.1	1	190	0.6	0.12
V-98	TUTTLE & BAILEY	SDV	5	160	160	160	0.13	60	85	4.3	1	190	0.3	0.1
V-99	TUTTLE & BAILEY	SDV	5	80	80	80	0.1	60	85	2.2	1	190	0.2	0.1
V-100	TUTTLE & BAILEY	SDV	6	220	65	110	0.12	60	85	3	1	190	0.3	0.1
V-101	TUTTLE & BAILEY	SDV	10	800	240	- -	0.11	- -	- -	- -	- -	- -	- -	- -
V-102	TUTTLE & BAILEY	SDV	5	120	40	100	0.12	60	85	2.7	1	190	0.2	0.1
V-103	TUTTLE & BAILEY	SDV	5	80	80	80	0.1	60	85	2.2	1	190	0.2	0.1
V-104	TUTTLE & BAILEY	SDV	6	300	90	- -	0.13	- -	- -	- -	- -	- -	- -	- -
V-105	TUTTLE & BAILEY	SDV	6	180	60	180	0.08	60	100	7.8	2	190	0.6	0.18
V-106	TUTTLE & BAILEY	SDV	6	300	90	300	0.18	60	85	8.1	2	190	0.6	0.12
V-107	TUTTLE & BAILEY	SDV	10	860	260	500	0.22	60	85	13.5	2	190	1	0.17
V-108	TUTTLE & BAILEY	SDV	7	420	125	260	0.2	60	90	8.4	1	190	0.7	0.26
V-109	TUTTLE & BAILEY	SDV	7	460	140	300	0.22	60	90	9.7	1	190	0.8	0.26
V-110	TUTTLE & BAILEY	SDV	16	1960	600	1960	0.15	60	80	42.3	1	190	3.2	0.5
V-111	TUTTLE & BAILEY	SDV	16	2400	720	2400	0.13	60	80	51.8	1	190	4	0.87
V-112	TUTTLE & BAILEY	SDV	16	2400	720	2400	0.13	60	80	51.8	1	190	4	0.87
V-113	TUTTLE & BAILEY	SDV	6	260	80	130	0.11	60	85	3.5	1	190	0.3	0.12
V-114	TUTTLE & BAILEY	SDV	14	1800	540	1800	0.14	60	80	38.9	1	190	3	0.5
V-115	TUTTLE & BAILEY	SDV	14	1440	430	800	0.15	60	95	30.2	2	190	2.3	0.4
V-116	TUTTLE & BAILEY	SDV	8	580	175	400	0.18	60	85	10.8	1	190	0.8	0.26
V-117	TUTTLE & BAILEY	SDV	16	2160	650	1080	0.12	60	85	29.2	1	190	2.2	0.72
V-118	TUTTLE & BAILEY	SDV	10	680	200	340	0.1	60	85	9.2	1	190	0.7	0.32
V-119	TUTTLE & BAILEY	SDV	14	1600	480	1350	0.18	60	105	65.6	2	190	5	1.65
V-120	TUTTLE & BAILEY	SDV	10	990	300	700	0.28	60	100	30.2	2	190	2.3	0.82
V-121	TUTTLE & BAILEY	SDV	7	460	140	460	0.22	60	105	22.4	2	190	1.7	0.18

POWER ROOF EXHAUST FAN SCHEDULE

UNIT NUMBER	SERVES	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	S. P. (IN WC)	RPM	HP	VOLTAGE	NOTES
PRV-1	EQUIPMENT CHARGING 5019	GREENHECK	G-090-D	CENTRIFUGAL	DIRECT	380	0.25	1300	1/20	120/1	1, 2
PRV-2	SMUDGING 6022	GREENHECK	G-080-D	CENTRIFUGAL	DIRECT	260	0.25	1300	1/20	120/1	1, 2
PRV-3	OXYGEN REFILL 5007	GREENHECK	G-085-D	CENTRIFUGAL	DIRECT	320	0.25	1300	1/20	120/1	1, 2
PRV-4	UNISEX TOILET RMS 6014 & 6015	GREENHECK	G-065-D	CENTRIFUGAL	DIRECT	180	0.125	1300	1/30	120/1	1, 2
PRV-5	KILN 6008	GREENHECK	G-090-D	CENTRIFUGAL	DIRECT	400	0.25	1300	1/15	120/1	1, 2
PRV-6	NOT USED	-	-	-	-	-	-	-	-	-	-
PRV-7	SPA TOILET 4036 & SALON 4026	GREENHECK	G-090-D	CENTRIFUGAL	DIRECT	760	0.25	1300	1/15	120/1	1, 2
PRV-8	UNISEX TOILET 4009	GREENHECK	G-060-D	CENTRIFUGAL	DIRECT	100	0.125	1300	1/60	120/1	1, 2
PRV-9	TOILET ROOMS 4002 & 4004	GREENHECK	GB-101-4	CENTRIFUGAL	BELT	760	0.25	1180	1/4	120/1	1, 3, 4
PRV-10	UNISEX TOILET 4017	GREENHECK	G-065-D	CENTRIFUGAL	DIRECT	120	0.25	1300	1/30	120/1	1, 2
PRV-11	EQUIP MAINTENANCE 3006	GREENHECK	G-065-D	CENTRIFUGAL	DIRECT	90	0.25	1300	1/30	120/1	1, 2
PRV-12	WHEELCHAIR WASHING 3005	GREENHECK	G-070-D	CENTRIFUGAL	DIRECT	150	0.25	1300	1/30	120/1	1, 2
PRV-13	CUSTODIAL CHARGING 3003	GREENHECK	G-070-D	CENTRIFUGAL	DIRECT	130	0.25	1300	1/30	120/1	1, 2
PRV-14	OXYGEN REFILL 2028	GREENHECK	G-070-D	CENTRIFUGAL	DIRECT	150	0.25	1300	1/30	120/1	1, 2
PRV-15	EQUIPMENT CHARGING 2024	GREENHECK	G-075-D	CENTRIFUGAL	DIRECT	260	0.125	1300	1/25	120/1	1, 2
PRV-16	LAUNDRY 2034 & 2036	GREENHECK	GB-101-4	CENTRIFUGAL	BELT	760	0.25	1180	1/4	120/1	1, 3, 4
PRV-17	KITCHEN CUSTODIAL 1023	GREENHECK	G-070-D	CENTRIFUGAL	DIRECT	140	0.25	1300	1/30	120/1	1, 2
PRV-18	BOILER ROOM 1034A	GREENHECK	GB-161-3	CENTRIFUGAL	BELT	2400	0.25	945	1/3	120/1	1, 3, 4
PRV-19	CUSTODIAL CLOSET 2013	GREENHECK	G-065-D	CENTRIFUGAL	DIRECT	90	0.25	1300	1/30	120/1	1, 2

NOTES:

1. MANUFACTURER TO FURNISH FAN WITH 18" HIGH ROOF CURB, GRAVITY BACKDRAFT DAMPER, DISCONNECT SWITCH AND VIBRATION ISOLATORS
2. MANUFACTURER TO FURNISH FAN WITH SPEED SWITCH
3. MANUFACTURER TO FURNISH FAN WITH BELT GUARD
4. ELECTRICAL CONTRACTOR TO PROVIDE MANUAL MOTOR STARTER WITH 24 VOLT CONTROL TRANSFORMER

RADIANT CEILING PANEL SCHEDULE

UNIT NUMBER	MANUFACTURER	MODEL	PANEL SIZE (L x W)	CAPACITY (BTUH)	FLOW (GPM)	WPD (FT HD)	REMARKS
RCP-1 - 10	AIRTEX	HEF-2	48" x 24"	1,556	0.5	0.25	1, 2, 3

NOTES:

1. FURNISH FOR SURFACE MOUNT PLASTER CEILING INSTALLATION.
2. CAPACITY BASED ON AWT = 170 DEG F.
3. COLOR SELECTION BY ARCHITECT.

HOT WATER UNIT HEATER SCHEDULE

UNIT TAG	LOCATION	MFR	MODEL	CFM	LOUVER DISCHARGE	UNIT SIZE height x width x depth	CAPACITY MBH	GPM	ENT WATER DEG. F	LVG AIR DEG. F	WPD FT. w.c.	MOTOR HP	VOLTS
UH-1	MECHANICAL 1034	RITTLING	RH-121	1775	HORIZONTAL	27" x 26" x 9-1/2"	90	8	190	107	4.3	1/8	120/1
UH-2	RECEIVING 2003	RITTLING	RH-121	1775	HORIZONTAL	27" x 26" x 9-1/2"	90	8	190	107	4.3	1/8	120/1

NOTE ELECTRICAL CONTRACTOR TO PROVIDE MANUAL MOTOR STARTER WITH 24 VOLT CONTROL TRANSFORMER.

tg hs
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920-498-0400
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ONEIDA RESIDENT - CENTERED CARE COMMUNITY
2907 SOUTH OVERLAND ROAD
ONEIDA, WI 54155-8959

REVISION HISTORY

	RECORD DRAWINGS

TITLE

HVAC SCHEDULES

DATE: 09/27/2011
JOB#: 300344
DRAWN BY: N. PETERSON
CHECKED BY: W. ZIMPEL
SCALE: AS SHOWN

CONSTRUCTION DOCUMENTS

H500

KITCHEN HOOD EXHAUST FAN SCHEDULE

UNIT NUMBER	SERVES	MANUFACTURER	MODEL	TYPE	DISCHARGE POSITION	CFM	S. P. (IN WC)	RPM	HP	VOLTAGE	REMARKS
KEF-1	KITCHEN HOOD NO. 1	GREENHECK	CUBE-240HP-30	CENTRIFUGAL ROOF	UP BLAST	5100	1.75	1126	3	460/3	1, 2
KEF-2	KITCHEN HOOD NO. 2	GREENHECK	CUBE-200HP-20	CENTRIFUGAL ROOF	UP BLAST	3650	1.75	1362	2	460/3	1, 2
KEF-3	KITCHEN HOOD NO. 3	GREENHECK	CUBE-101HP-3	CENTRIFUGAL ROOF	UP BLAST	450	0.5	1555	1/3	120/1	1, 3

NOTES:

1. MFR TO PROVIDE VIBRATION ISOLATORS, PREMIUM EFFICIENCY MOTOR, 18" HIGH INSULATED ROOF CURB, DISCONNECT SWITCH, GREASE TRAP WITH DRAIN CONNECTION, HEAT BAFFLE, BEARINGS WITH GREASE FITTINGS, BELT GUARD
2. ELECTRICAL CONTRACTOR TO PROVIDE MAGNETIC HOA MOTOR STARTER WITH AUXILLIARY CONTACTS AND WALL START/STOP PUSH PUTTON SWITCH.
3. ELECTRICAL CONTRACTOR TO PROVIDE MANUAL MOTOR STARTER AND WALL START/STOP PUSH PUTTON SWITCH.

KITCHEN EXHAUST HOOD SCHEDULE

TAG	MANUFACTURER	MODEL	HOOD MATERIAL	SERVES	HOOD TYPE	SIZE L x W x D	EXHAUST CFM	EXHAUST S.P. in.w.c.	EXHAUST NECK SIZE	UL LISTING	FIRE SUPPRESSION	LIGHTS	NOTE
KH-1	GREENHECK	GGEW	300 SERIES SS	FRYER & RANGE	TYPE 1 HEAVY DUTY	17" X 60" X 24"	5100	1.53	(2) 24" X 10"	710	ANSUL R-102	YES	1
KH-2	GREENHECK	GGEW	300 SERIES SS	STEAMER & SKILLET	TYPE 1 MEDIUM DUTY	17" X 60" X 24"	3650	1.1	(2) 17" x 10"	710	ANSUL R-102	YES	1
KH-3	GREENHECK	GO	300 SERIES SS	DISH WASHER	CONDENSATE	36" x 36" x 24"	450	0.05	10" x 9"	1150	22 X 10	NO	2

NOTE 1. PROVIDE GREASE GRABER FILTER AND DUCT HEAT THERMOSTATS (2 PER HOOD) DOWNSTREAM OF EXHAUST BAFFLE ON HOOD.

NOTE 2. PROVIDE CONDENSATE HOOD WITH CONDENSATE DRAIN CONNECTION.

GRILLES, REGISTERS & DIFFUSERS SCHEDULE

TAG	MANUFACTURER	MODEL	MATERIAL	FINISH	BRANCH SIZE	GRILLE NECK SIZE	GRILLE FACE SIZE	MOUNTING	VOLUME DAMPER	BLOW PATTERN	STYLE	REMARKS
CD1A	METAL-AIRE	5750-6	STEEL	OFF WHITE	6" DIA	6" DIA	12 x 12	SURFACE	NO	4-WAY	CEILING SUPPLY DIFFUSER - PLAQUE	2
CD1B	METAL-AIRE	5750-6	STEEL	OFF WHITE	6" DIA	6" DIA	24 x 24	LAY-IN	NO	4-WAY	CEILING SUPPLY DIFFUSER - PLAQUE	
CD2A	METAL-AIRE	5200-2	ALUMINUM	OFF WHITE	8" DIA	12 x 12	14 x 14	SURFACE	NO	4-WAY	CEILING SUPPLY DIFFUSER - LOUVER	1
CD2B	METAL-AIRE	5750-6	STEEL	OFF WHITE	8" DIA	8" DIA	24 x 24	LAY-IN	NO	4-WAY	CEILING SUPPLY DIFFUSER - PLAQUE	
CD3A	METAL-AIRE	5200-2	ALUMINUM	OFF WHITE	10" DIA	12 x 12	14 x 14	SURFACE	NO	4-WAY	CEILING SUPPLY DIFFUSER - LOUVER	1
CD3B	METAL-AIRE	5750-6	STEEL	OFF WHITE	10" DIA	10" DIA	24 x 24	LAY-IN	NO	4-WAY	CEILING SUPPLY DIFFUSER - PLAQUE	
CD4A	METAL-AIRE	5200-2	ALUMINUM	OFF WHITE	12" DIA	14 x 14	16 x 16	SURFACE	NO	4-WAY	CEILING SUPPLY DIFFUSER - LOUVER	1
CD4B	METAL-AIRE	5750-6	STEEL	OFF WHITE	12" DIA	12" DIA	24 x 24	LAY-IN	NO	4-WAY	CEILING SUPPLY DIFFUSER - PLAQUE	
EG1A	METAL-AIRE	5750-6	STEEL	OFF WHITE	6" DIA	6" DIA	12 x 12	SURFACE	NO	- -	CEILING EXHAUST GRILLE - PLAQUE	2
EG1B	METAL-AIRE	5750-6	STEEL	OFF WHITE	6" DIA	6" DIA	24 x 24	LAY-IN	NO	- -	CEILING EXHAUST GRILLE - PLAQUE	
EG2A	METAL-AIRE	5750-6	STEEL	OFF WHITE	8" DIA	8" DIA	12 x 12	SURFACE	NO	- -	CEILING EXHAUST GRILLE - PLAQUE	2
EG2B	METAL-AIRE	RH-1	ALUMINUM	OFF WHITE	8" DIA	14 x 14	16 x 16	SURFACE	NO	- -	CEILING EXHAUST GRILLE - DEFLECTION BLADES	1
EG2C	METAL-AIRE	5750-6	STEEL	OFF WHITE	8" DIA	8" DIA	24 x 24	LAY-IN	NO	- -	CEILING EXHAUST GRILLE - PLAQUE	
EG3A	METAL-AIRE	5750-6	STEEL	OFF WHITE	10" DIA	10" DIA	24 x 24	LAY-IN	NO	- -	CEILING EXHAUST GRILLE - PLAQUE	
EG4	METAL-AIRE	CC5-1	ALUMINUM	OFF WHITE	22 x 22	22 x 22	24 x 24	SURFACE	NO	- -	CEILING EXHAUST GRILLE - EGG CRATE	
EG5	METAL-AIRE	SRH-1	STEEL	OFF WHITE	- -	8 x 14	10 x 16	SURFACE	NO	- -	SIDEWALL EXHAUST GRILLE	
EG6	METAL-AIRE	SRH-1	STEEL	OFF WHITE	- -	6 x 12	8 x 14	SURFACE	NO	- -	SIDEWALL EXHAUST GRILLE	
RG1A	METAL-AIRE	5750-6	STEEL	OFF WHITE	6" DIA	6" DIA	12 x 12	SURFACE	NO	- -	CEILING RETURN GRILLE - PLAQUE	2
RG1B	METAL-AIRE	5750-6	STEEL	OFF WHITE	6" DIA	6" DIA	24 x 24	LAY-IN	NO	- -	CEILING RETURN GRILLE - PLAQUE	
RG2A	METAL-AIRE	5750-6	STEEL	OFF WHITE	8" DIA	8" DIA	12 x 12	SURFACE	NO	- -	CEILING RETURN GRILLE - PLAQUE	2
RG2B	METAL-AIRE	RH-1	ALUMINUM	OFF WHITE	8" DIA	14 x 14	16 x 16	SURFACE	NO	- -	CEILING RETURN GRILLE - DEFLECTION BLADES	1
RG2C	METAL-AIRE	5750-6	STEEL	OFF WHITE	8" DIA	8" DIA	24 x 24	LAY-IN	NO	- -	CEILING RETURN GRILLE - PLAQUE	
RG3A	METAL-AIRE	RH-1	ALUMINUM	OFF WHITE	10" DIA	14 x 14	16 x 16	SURFACE	NO	- -	CEILING RETURN GRILLE - DEFLECTION BLADES	1
RG3B	METAL-AIRE	5750-6	STEEL	OFF WHITE	10" DIA	10" DIA	24 x 24	LAY-IN	NO	- -	CEILING RETURN GRILLE - PLAQUE	
RG4A	METAL-AIRE	RH-1	ALUMINUM	OFF WHITE	12" DIA	14 x 14	16 x 16	SURFACE	NO	- -	CEILING RETURN GRILLE - DEFLECTION BLADES	1
RG4B	METAL-AIRE	5750-6	STEEL	OFF WHITE	12" DIA	12" DIA	24 x 24	LAY-IN	NO	- -	CEILING RETURN GRILLE - PLAQUE	
RG5A	METAL-AIRE	5750-6	STEEL	OFF WHITE	14" DIA	14" DIA	24 x 24	LAY-IN	NO	- -	CEILING RETURN GRILLE - PLAQUE	
RG6A	METAL-AIRE	CC5-1	ALUMINUM	OFF WHITE	22 x 22	22 x 22	24 x 24	LAY-IN	NO	- -	CEILING RETURN GRILLE - EGG CRATE	
RG6	METAL-AIRE	SRH-1	STEEL	OFF WHITE	16 x 10	24 x 12	26 x 14	SURFACE	NO	- -	SIDEWALL RETURN GRILLE - DEFRLECTION BLADES	
RG7	METAL-AIRE	SRH-1	STEEL	OFF WHITE	8" DIA	12 x 8	14 x 10	SURFACE	NO	- -	SIDEWALL RETURN GRILLE - DEFRLECTION BLADES	
RG8	METAL-AIRE	SRH-1	STEEL	OFF WHITE	- -	16 x 12	18 x 14	SURFACE	YES	- -	SIDEWALL RETURN GRILLE - DEFRLECTION BLADES	
RG9	METAL-AIRE	SRH-1	STEEL	OFF WHITE	- -	24 x 16	24 x 18	SURFACE	YES	- -	SIDEWALL RETURN GRILLE - DEFRLECTION BLADES	
TG2	METAL-AIRE	5750-6	STEEL	OFF WHITE	8" DIA	8" DIA	12 X 12	SURFACE	NO	- -	CEILING TRANSFER GRILLE - PLAQUE	2
TG3	METAL-AIRE	5750-6	STEEL	OFF WHITE	10" DIA	10" DIA	24 x 24	LAY-IN	NO	- -	CEILING TRANSFER GRILLE - PLAQUE	
TG5	METAL-AIRE	5750-6	STEEL	OFF WHITE	14" DIA	14" DIA	24 x 24	LAY-IN	NO	- -	CEILING TRANSFER GRILLE - PLAQUE	
SG1	METAL-AIRE	H4004S-1	STEEL	OFF WHITE	8" DIA	8 x 8	10 x 10	SURFACE	NO	DBL DEFL	SIDEWALL SUPPLY GRILLE	
SG2	METAL-AIRE	H4004S-1	STEEL	OFF WHITE	- -	24 x 16	26 x 18	SURFACE	NO	DBL DEFL	SIDEWALL SUPPLY GRILLE	
SG3	METAL-AIRE	H4004S-1	STEEL	OFF WHITE	- -	12 x 12	14 x 14	SURFACE	YES	DBL DEFL	SIDEWALL SUPPLY GRILLE	
SG4	METAL-AIRE	H4004S-1	STEEL	OFF WHITE	- -	24 x 12	26 x 14	SURFACE	YES	DBL DEFL	SIDEWALL SUPPLY GRILLE	
SG5	METAL-AIRE	H4004S-1	STEEL	OFF WHITE	16 x 10	22 x 10	24 x 12	SURFACE	NO	DBL DEFL	SIDEWALL SUPPLY GRILLE	
SD1	DONCO	J-21	ALUMINUM	OFF WHITE	8" DIA	8" DIA	2 slot 4' lng	LAY-IN	NO	- -	CEILING SUPPLY LINEAR SLOT DIFFUSER	3
SD2	DONCO	J-21	ALUMINUM	OFF WHITE	10" DIA	10" DIA	2 slot 4' lng	LAY-IN	NO	- -	CEILING SUPPLY LINEAR SLOT DIFFUSER	3

NOTES:

1 PROVIDE AIRE TECHNOLOGIES, INC. MODEL 50 CRD BOOT AND RADIATION DAMPER ASSEMBLY FOR GRILLES AND DIFFUSERS LOCATED IN ONE HOUR FIRE RATED CEILINGS. RADIATION DAMPER BOOT ASSEMBLY SHALL MEET THE REQUIREMENTS OF UL 263 & 555C AND NFPA 90A.

2 PROVIDE AUXILLARY PLASTER SURFACE MOUNT FRAME.

3 PROVIDE 14" HIGH INSULATED PLENUM

SEALED COMBUSTION GAS-FIRED BOILER SCHEDULE

TAG	MANUFACTURER	MODEL	GAS INPUT MBH	HEAT OUTPUT MBH	LEAVING WATER TEMP DEG F	GPM	BOILER EFF.	EXHAUST FLUE SIZE	COMB. AIR INLET	GAS TRAIN CERTIFIED	BURNER STAGES	ELECTRICAL COMPONENT CERTIFIED	DRAFT BLOWER HP	AMPS	VOLTS	WEIGHT	NOTES
B-1	P-K MODU-FIRE	N2000MFD	2000	1700	190	115	85	6"	8"	F.M. & CSD-1	MODULATING	U.L.	1	12	208/1	990	1, 2, 3, 4
B-2	P-K MODU-FIRE	N2000MFD	2000	1700	190	115	85	6"	8"	F.M. & CSD-1	MODULATING	U.L.	1	12	208/1	990	1, 2, 3, 4
B-3	P-K MODU-FIRE	N2000MFD	2000	1700	190	115	85	6"	8"	F.M. & CSD-1	MODULATING	U.L.	1	12	208/1	990	1, 2, 3, 4
B-4	P-K MACH	C750	750	712.5	150	48	95	6"	6"	F.M. & CSD-1	MODULATING	U.L.	0.4	5	120/1	695	1, 2, 3, 4

NOTES:

1 MANUFACTURER TO PROVIDE BOILERS WITH 100 PSIG RELIEF VALVES AND 1 PSIG - 14" W.C. GAS PRESSURE REGULATOR

2 FULL BURNER MODULATION 20% - 100%, 5:1 TURN DOWN RATIO

3 BOILER PERFORMANCE BASED ON A STRAIGHT WATER SOLUTION

4 ELECTRICAL CONTRACTOR TO PROVIE DISCONNECT SWITCH

AIR COOLED WATER CHILLER SCHEDULE

UNIT	LOCATION	MFR	MODEL	CAP. TONS	COMPRESSOR TYPE	NO. OF REFRIGERATION CIRCUITS	CAP. UNLOAD STEPS	CHILLED WATER CONDITIONS				EER	VOLTS	MCA AMPS	FUSE AMPS	WEIGHT LBS
								GPM	ENT TEMP DEG F	LVNG TEMP DEG F	W.P.D. FT. w.c.					
ACWC-1	ON GRADE	McQUAY	AGZ090D	87	SCROLL	2	4	235	54	44	18.4	9.6	460/60/3	211.2	250	5,900
ACWC-2	ON GRADE	McQUAY	AGZ090D	87	SCROLL	2	4	235	54	44	18.4	9.6	460/60/3	211.2	250	5,900

NOTE: PROVIDE 5 YEAR COMPRESSOR WARRANTY, R-410a REFRIGERANT, CHILLED WATER FLOW SWITCH, FILTER DRYER, SINGLE POINT POWER CONNECTION, SOLID STATE MOTOR STARTERS, CONTROL TRANSFORMER, MICRO PROCESSOR CONTROL PANEL, WEATHER-PROOF DISCONNECT, FILTER DRYER, REFRIGERATION SERVICE VALVE PACKAGE, ELECTRIC HEATERS FOR EVAPORATOR TUBE BUNDLE, FACTORY START-UP, VIBRATION ISOLATORS, CHILLER PERFORMANCE IS BASED ON A 35% PROPYLENE GLYCOL SOLUTION AND 95 DEG. F AMBIENT AIR TEMPERATURE.

CIRCULATING PUMP SCHEDULE

TAG	SERVES	MANUFACTURER	SERIES	MODEL	PIPING CONN SIZE	EFFICIENCY	GPM	HEAD FT. W.C.	SUCTION DIFFUSER	TRIPLE DUTY VALVE	PUMP RPM	VAR FREQ DRIVE	MOTOR BHP	MOTOR HP	VOLTS	WEIGHT LBS
P-1	BOILER B-1	B & G	80	2-1/2 x 2-1/2 x 7	2-1/2" FLNG	68.72	115	40	- -	3DS-2-1/2G	1750	NO	1.69	3	460/60/3	215
P-2	BOILER B-2	B & G	80	2-1/2 x 2-1/2 x 7	2-1/2" FLNG	68.72	115	40	- -	3DS-2-1/2G	1750	NO	1.69	3	460/60/3	215
P-3	BOILER B-3	B & G	80	2-1/2 x 2-1/2 x 7	2-1/2" FLNG	68.72	115	40	- -	3DS-2-1/2G	1750	NO	1.69	3	460/60/3	215
P-4	HW SYSTEM	B & G	80	3 x 3 x 11	3" FLNG	66.08	230	100	- -	3DS-4G	1750	YES	8.94	15	460/60/3	325
P-5	HW SYSTEM	B & G	80	3 x 3 x 11	3" FLNG	66.08	230	100	- -	3DS-4G	1750	YES	8.94	15	460/60/3	325
P-6	CW SYSTEM	B & G	80	5 x 5 x 9-1/2	5" FLNG	72	470	60	- -	3DS-5G	1750	YES	9.91	15	460/60/3	405
P-6A	CW ALT BID	B & G	80	5 x 5 x 9-1/2	5" FLNG	72	470	60	- -	3DS-5G	1750	YES	9.91	15	460/60/3	405
P-7	CHILLER ACWC-1	B & G	80	4 x 4 x 7	4" FLNG	65.31	235	35	- -	3DS-4G	1750	NO	3.2	5	460/60/3	270
P-8	CHILLER ACWC-2	B & G	80	4 x 4 x 7	4" FLNG	65.31	235	35	- -	3DS-4G	1750	NO	3.2	5	460/60/3	270
P-9	RADIANT 1E	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	2.2	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-10	RADIANT 2E & 3E	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	3.4	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-11	RADIANT 1F & 2F	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	4	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-12	RADIANT 3F	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	2	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-13	RADIANT 1G & 2G	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	4	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-14	RADIANT 3G	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	1.5	14	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-15	RADIANT 1H	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	1.5	14	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-16	RADIANT 2H & 3H	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	4.6	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-17	RADIANT 1J & 2J	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	3.4	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-18	RADIANT 3J & 1K	B & G	CIRCULATOR	PL-30	3/4" FLNG	- -	3.2	15	- -	3/4" check v.	2650	NO	- -	1/12	120/60/1	12
P-19	BOILER B-4	B & G	60	1-1/2 x 1-1/2 x 6-1/4	1-1/2" FLNG	61.98	48	30	- -	3DS-2S	1750	NO	0.61	1	460/3	85

NOTES:

1 PROVIDE PREMIUM EFFICIENT PUMP MOTORS.

2 PROVIDE MOTORS ON PUMPS P-4, P-5 & P-6 WITH AEGIS BEARING PROTECTION RING. MOTOR SHALL BE SUITABLE FOR VARIABLE FREQUENCY DRIVE PERFORMANCE.

3 ELECTRICAL CONTRACTOR TO PROVIDE MAGNETIC HOA MOTOR STARTER WITH 24 VOLT CONTROL TRANSFORMER FOR PUMPS P-1 THRU P-3 AND PUMPS P-7 & P-8.

4 ELECTRICAL CONTRACTOR TO PROVIDE MANUAL HOA STARTERS WITH 24 VOLT CONTROL TRANSFORMER FOR PUMPS P-9 THRU P-18.

FAN COIL UNIT SCHEDULE

UNIT	ROOM	MFR	MODEL	FAN TYPE	DRIVE TYPE	CFM	OA CFM	TOTAL S.P.	BHP	HP	VOLTS	HOT WATER COIL 57F EAT, 107F LAT 190 DEG. F EWT				CHILLED WATER COIL 77/64 F ENT AIR, 55/54.8 LAT 44 DEG. F EWT				
												MBH	GPM	ROW	WPD ft. w.c.	TOTAL MBH	SEN MBH	GPM	ROW	WPD ft. w.c.
FC-1	CORRIDOR 1040	RITTLING	FBHP-710-12	CENTRIFUGAL	BELT	900	80	1.25	0.41	1/2	120/1	60	4	2	0.4	25	21	5.5	4	3
FC-2	ELECT 1037 & 1038	RITTLING	FBHP-710-16	CENTRIFUGAL	BELT	1400	0	1	0.57	3/4	460/3	- -	- -	- -	- -	33.3	30.2	6.5	4	2.6

NOTE: PROVIDE FAN COIL WITH 18 GA EXTERIOR CONSTRUCTION, FULLY INSULATED COIL SECTION, INSULATED DRAIN PAN, 1" THICK AIR FILTER, FLANGED INLET AND OUTLET DUCT CONNECTION, FOUR ROW COOLING COIL, ONE ROW HEATING COIL, BELT GUARD, INTERNAL FAN ISOLATORS, BELT DRIVE FAN MOTOR, UNIT DISCONNECT SWITCH

CEILING EXHAUST FAN SCHEDULE

UNIT NUMBER	SERVES	MANUFACTURER	MODEL	TYPE	DRIVE	DISCHAGE DUCT	CFM	S. P. (IN WC)	RPM	WATTS	VOLTAGE	REMARKS
CEF-1	WARMING KITCHEN E022	BROAN	S150	CEILING	DIRECT	4"	160	0.10	1360	83	120/1	1, 2, 3
CEF-2	WARMING KITCHEN J017	BROAN	S150	CEILING	DIRECT	4"	160	0.10	1360	83	120/1	1, 2, 3
CEF-3	ACTIVITY KITCHEN 6012	BROAN	S150	CEILING	DIRECT	4"	160	0.10	1360	83	120/1	1, 2, 3

NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE WALL SWITCH TO ACTIVATE CEILING EXHAUST FAN
2. MANUFACTURER TO FURNISH FAN WITH BACK DRAFT DAMPER & SPEED SWITCH
3. SEE ROOF EXHAUST VENT DETAIL

CONVECTOR HEATER SCHEDULE

UNIT TAG	LOCATION	MFR	MODEL	ELEMENT	FINS	FINS/FT	ENCLOSURE TYPE	ENCL. DIMEN. height x depth x length	ELEMENT LENGTH	TIERS	CAPACITY MBH	GPM	AVG. WATER DEG. F
							SURFACE						
CONV-1	ENTRY 1001	RITTLING	SF-32	1/2" CU	3-1/4" x 3-1/4" AL	50	MOUNT	32" x 6" x 36"	2' - 8"	1	6.8	0.5	180

NOTE: MANUFACTURER TO PROVIDE 16 GA CABINET WITH SLOT TOP AND LOW FRONT GRILLES, ARCHITECT TO SELECT COLOR

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REVISION HISTORY

	RECORD DRAWINGS

TITLE

HVAC SCHEDULES

DATE:	09/27/2011
JOB#:	300344
DRAWN BY:	N. PETERSON
CHECKED BY:	W. ZIMPEL
SCALE:	AS SHOWN

CONSTRUCTION DOCUMENTS

H501

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE COMPLETE CONTRACTING SERVICES INCLUDING HEATING, VENTILATION AND AIR-CONDITIONING WORK, AND CONTROL WORK.
2. HVAC CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO MINIMIZE ANY CONFLICTS.
3. SEE DRAWINGS FOR SCHEDULES.
4. DO NOT FABRICATE DUCTWORK WITHOUT FIELD VERIFYING CLEARANCES.
5. DUCT SIZES SHOWN ARE INSIDE DIMENSIONS.
6. MEDIUM PRESSURE DUCTWORK TO HAVE TDC OR DUCT-MATE CONNECTIONS SYSTEM.
7. BETWEEN ALL DAMPER FRAMES AND DUCTWORK WILL BE SEALED AIR TIGHT.
8. ALL SUPPLY DUCT TAKE-OFFS SHALL BE INCREASED AREA OR CONICAL TAP.
9. PROVIDE MANUAL VOLUME DAMPER AT EACH SUPPLY, EXHAUST, AND RETURN DUCT BRANCH.
10. COORDINATE GRILLE AND DIFFUSERS LOCATIONS AND TYPES WITH LIGHTING LAYOUT AND CEILINGS TILES.
11. THE HEATING CONTRACTOR SHALL PROVIDE SHIELDS FOR EACH PIPE HANGER.
12. HEATING CONTRACTOR SHALL INSTALL CONTROL VALVES AND SENSING WELLS PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR. SEE TEMPERATURE CONTROL SPECIFICATIONS AND VERIFY WITH T.C.C.
13. VERIFY LOCATIONS OF ALL THERMOSTATS.
14. ALL MOTORS CONTROLLED WITH VFD'S MUST HAVE GROUNDING RINGS.
15. ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE.
16. THESE NOTES COMPLEMENT THE SPECIFICATIONS; READ THE SPECIFICATIONS FOR COMPLETE REQUIREMENTS.

Air Handling Unit AHU-4 Air Balance

Occupied Mode Kitchen Hood Fans ON

	Kitchen	Kit Office	Corridor	Servery	Dining	Recep	Space Sum	AHU-4
Supply	8560	260	460	1440	3760	2520	17000	17000
Hood Exh	9200						9200	
Tlt Exhaust						680	680	
Return	0	260	460	800	3760	1840	7120	7200
Transfer Air	+640			-640			- -	
Outside Air								9800
Relief Air								-80

Occupied Mode Kitchen Hood Fans OFF

	Kitchen	Kit Office	Corridor	Servery	Dining	Recep	Space Sum	AHU-4
Supply	4400	260	460	1440	3760	2520	12840	12840
Hood Exh	0						0	
Tlt Exhaust						680	680	
Return	4400	260	460	1440	3760	1840	12160	10840
Outside Air								2000
Relief Air								+1320

Economizer Occupied Mode Kitchen Hood Fans ON

	Kitchen	Kit Office	Corridor	Servery	Dining	Recep	Space Sum	AHU-4
Supply	8560	260	460	1440	3760	2520	17000	17000
Hood Exh	9200						9200	
Tlt Exhaust						680	680	
Return	0	260	460	800	3760	1840	7120	0
Transfer Air	+640			-640				
Outside Air								17000
Relief Air								+7120

Economizer Occupied Mode Kitchen Hood Fans OFF

	Kitchen	Kit Office	Corridor	Servery	Dining	Recep	Space Sum	AHU-4
Supply	4400	260	460	1440	3760	2520	12840	12840
Hood Exh	0							
Tlt Exhaust						680	680	
Return	4400	260	460	1440	3760	1840	12160	0
Outside Air								12840
Relief Air								+12160

Unoccupied Mode Kitchen Hood Fans OFF

	Kitchen	Kit Office	Corridor	Servery	Dining	Recep	Space Sum	AHU-4
Supply	4280	130	300	800	2430	1900	9840	9840
Hood Exh	0							
Tlt Exhaust						0	0	
Return	4280	130	300	800	2430	1900	9840	9640
Outside Air								200
Relief Air								+200

AIR HANDLING UNIT SCHEDULE

UNIT TAG	SERVES	MFR	MODEL	CFM	MIN. O.A. CFM	TOTAL S.P.	FAN TYPE	BRAKE H.P.	MOTOR H.P.	FAN RPM	OUTLET VELOCITY	VAR. FRQ DRIVE	INTERNAL F & BP	INLET FILTER	DISCHARGE FILTER PRE	DISCHARGE FILTER FINAL	WEIGHT	VOLTS
AHU-1	RESIDENT WINGS E, F, G	McQUAY	CAH038GDDM	17250	NOTE 1.	5.5	33" AF PLENUM	20.8	25	1345	384	YES	NO	2" MERV 7	2" MERV 8	12" MERV 13	5385	460/60/3
AHU-2	RESIDENT WINGS H, J	McQUAY	CAH025GDDC	12250	NOTE 2.	5	27" AF PLENUM	13.4	20	1640	384	YES	NO	2" MERV 7	2" MERV 8	12" MERV 13	4055	460/60/3
AHU-3	INTER ACTIVITY & SERVICE	McQUAY	CAH024GDDM	10000	3000	5	22.25" AF PLENUM	12.4	15	2276	343	YES	YES	2" MERV 7	2" MERV 8	12" MERV 13	3750	460/60/3
AHU-4	KITCHEN & DINING	McQUAY	CAH035GDDC	17000	9800	5	33" AF PLENUM	18.7	25	1297	403	YES	YES	2" MERV 7	2" MERV 8	12" MERV 13	6025	460/60/3

NOTE 1: 5370 CFM OF OUTSIDE AIR IS PROVIDED THRU ENERGY RECOVERY UNITS ERU-1, 2, 3. HW & CW COILS ARE SIZED TO CONDITION 2750 CFM OF OUTSIDE AIR.

NOTE 2: 3570 CFM OF OUTSIDE AIR IS PROVIDED THRU ENERGY RECOVERY UNITS ERU-4 & 5. HW & CW COILS ARE SIZED TO CONDITION 2000 CFM OF OUTSIDE AIR.

NOTE 3: ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.

NOTE: PROVIDE HORIZONTAL DOUBLE WALL INSULATED CABINET CONSTRUCTION, INTERNAL VIBRATION ISOLATORS, PREMIUM EFFICIENT MOTOR WITH GROUNDING RINGS SUITABLE FOR VFD'S, FINAL FILTER SECTION, CHILLED WATER COOLING COIL, 24" MIN BLANK ACCESS SECTION, HOT WATER HEATING COIL, PANEL INLET FILTER SECTION WITH 2" THICK MERV 7 FILTERS, FAN MOTORS WITH AEGIS BEARING PROTECTION RING.

HEATING COIL SCHEDULE

UNIT TAG	LOCATION	MFR	MODEL	CFM	VEL. FPM	AREA SQ FT	SIZE height x width	NO OF COILS	PIPING CONN SIZE	FINS/IN	ROWS	CAPACITY MBH	GPM	ENT WATER DEG. F	ENT AIR DEG. F	LVG AIR DEG. F	APD IN. w.c.	WPD FT. w.c.
HC-1	AHU-1	McQUAY	5WB0601B	17250	527	32.25	27" x 86"	2	1-1/2"	6	1	238.7	18	190	52	65	0.08	0.3
HC-2	AHU-2	McQUAY	5WB0601B	12250	514	23.33	24" x 70"	2	1-1/2"	6	1	168.5	13	190	52	65	0.07	0.5
HC-3	AHU-3	McQUAY	5WB1101B	10000	606	16.5	33" x 72"	1	1-1/2"	11	1	259.2	20	190	41	65	0.15	2.7
HC-4	AHU-4	McQUAY	5WB0902B	17000	678	25.08	42" x 86"	1	2-1/2"	9	2	789.5	60	190	19	65	0.29	4.8

CHILLED WATER COOLING COIL SCHEDULE

UNIT TAG	LOCATION	MFR	MODEL	CFM	VEL. FPM	AREA SQ FT	SIZE height x width	NO. OF COILS	PIPING CONN SIZE	FINS/IN	ROWS	CAPACITY MBH	GPM	ENT WATER DEG. F	ENT AIR DEG. F	LVG AIR DEG. F	APD IN. w.c.	WPD FT. w.c.
CC-1	AHU-1	McQUAY	5WM1106B	17250	509	33.38	27" x 89"	2	2-1/2"	11	6	533.7	118	44	77.8 / 64.7	55 / 54.2	.73	9.1
CC-2	AHU-2	McQUAY	5WS1106B	12250	493	24.33	24" x 73"	2	2"	11	6	384.3	84	44	77.9 / 64.8	55 / 54.2	.74	14.5
CC-3	AHU-3	McQUAY	5WM0808B	10000	457	21.88	42" x 75"	1	2-1/2"	8	8	384.8	84	44	80.0 / 66.6	55 / 54.2	.71	10.6
CC-4	AHU-4	McQUAY	5WD1008B	17000	509	33.38	27" x 89"	2	2-1/2"	10	8	831.6	184	44	85.2 / 70.0	55 / 54.2	1.02	13.8

NOTE: COOLING COIL PERFORMANCE IS BASED ON A 35% PROPYLENE GLYCOL SOLUTION

RETURN EXHAUST FAN SCHEDULE

UNIT NUMBER	SERVES	MANUFACTURER	MODEL	TYPE	FAN	CFM	T. S. P. (IN WC)	RPM	HP	VOLTAGE	NOTES
REF-1	AHU-1	GREENHECK	QEI-33	MIXED FLOW	AXIAL/CENTRIFUGAL	17000	1.75	880	10	460/3	1, 2
REF-2	AHU-2	GREENHECK	QEI-30	MIXED FLOW	AXIAL/CENTRIFUGAL	12000	1.5	865	7-1/2	460/3	1, 2
REF-3	AHU-3	GREENHECK	QEI-27	MIXED FLOW	AXIAL/CENTRIFUGAL	9500	1.5	930	7-1/2	460/3	1, 2
REF-4	AHU-4	GREENHECK	QEI-30	MIXED FLOW	AXIAL/CENTRIFUGAL	12000	1.5	990	7-1/2	460/3	1, 2

NOTES:

1 MANUFACTURER TO FURNISH FAN WITH PREMIUM EFFICIENT MOTOR WITH AEGIS BEARING PROTECTION RING FOR FREQ DRIVE CONTROL, VIBRATION ISOLATORS, BELT GUARD, COMPANION FLANGES

2 ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.

ENERGY RECOVERY UNIT SCHEDULE

UNIT TAG	MFR	MODEL	SERVES	SUPPLY FAN SUPPLY CFM	SUPPLY FAN MOTOR HP	SUPPLY FAN EXTER SP in. w.g.	SUPPLY FAN WINTER ENT. D.B.	SUPPLY FAN WINTER LV. D.B.	SUPPLY FAN SUMMER ENT.DB/WB	SUPPLY FAN SUMMER LV. DB/WB	EXHAUST FAN EXHAUST CFM	EXHAUST FAN MOTOR HP	EXHAUST FAN EXTER SP in. w.g.	EXHAUST FAN WINTER ENT. D.B.	EXHAUST FAN WINTER LV. D.B.	EXHAUST FAN SUMMER ENT. DB/WB	EXHAUST FAN SUMMER LV. DB/WB	OA PLATE EFFECT	ELECTRIC PREHEAT KW	STAGES OF HEAT	ELECTRIC PREHEAT MBH	VOLTAGE	MIN. CIRCUIT AMPS	BREAKER AMPS	WEIGHT LBS.
ERU-1	GREENHECK	Pve-35-SC	AHU-1	2270	1	0.6	5	45.7	90 / 75	80.6 / 72.4	2270	1-1/2	1	70	27.8	75 / 63	84.7 / 65.8	62.6	15	2	51.2	460/60/3	24.9	30	1200
ERU-2	GREENHECK	Pve-20-SC	AHU-1	1480	3/4	0.5	5	45.4	90 / 75	80.7 / 72.4	1480	1	1	70	28.1	75 / 63	84.7 / 65.8	64.4	10	2	34.1	460/60/3	17	25	925
ERU-3	GREENHECK	Pve-20-SC	AHU-1	1620	3/4	0.5	5	45.1	90 / 75	80.7 / 72.4	1620	1	1	70	28.5	75 / 63	84.6 / 65.8	61.7	10	2	34.1	460/60/3	17	25	925
ERU-4	GREENHECK	Pve-20-SC	AHU-2	1360	3/4	0.4	5	45.6	90 / 75	80.6 / 72.4	1360	1	1	70	27.9	75 / 63	84.7 / 65.8	62.5	10	2	34.1	460/60/3	17	25	925
ERU-5	GREENHECK	Pve-35-SC	AHU-2	2210	1	0.4	5	45.8	90 / 75	80.6 / 72.4	2210	1-1/2	1	70	27.8	75 / 63	84.8 / 65.8	73.8	15	2	51.2	460/60/3	24.9	30	1200

NOTES:

1. DESIGN WINTER LEAVING SUPPLY TEMPERATURE CONDITION IS BASED ON THE ELECTRIC HEATER BEING ACTIVATED.
2. ACTIVATE THE ELECTRIC PREHEATER (2 STAGE) TO MAINTAIN A WINTER EXHAUST LEAVING AIR TEMPERATURE OF 35 DEG. F FOR FROST PROTECTION.
3. PROVIDE 2" THICK MERV 8 SUPPLY AND EXHAUST FILTERS, 24" HIGH ROOF CURB, INTAKE AIR MOTORIZED DAMPER AND HOOD WITH BIRD SCREEN.
4. PROVIDE HIGH EFFICIENCY FAN MOTORS.

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TITLE

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DATE:	09/27/2011
JOB#:	300344
DRAWN BY:	N. PETERSON
CHECKED BY:	W. ZIMPEL
SCALE:	AS SHOWN

CONSTRUCTION DOCUMENTS

H502

GENERAL NOTES:

A. LIGHTING COMPLIES WITH 2006 IECC SECTION 505 AS AMENDED BY WI COMM 63.505.

B. EXIT SIGNS AND EGRESS LIGHTING SHALL BE WIRED TO PANELBOARD LSHPA1, CIRCUIT NUMBER AS INDICATED.

C. REFER TO SHEET E-803 FOR LIGHTING FIXTURE AND SWITCH SCHEDULES.

D. FIXTURE TYPE 'WS' IS FOR RESIDENT SAFETY AND IS THUS EXEMPT FROM AUTOMATIC SHUTOFF OR SWITCH REQUIREMENTS OF ENERGY CONSERVATION OR DAYLIGHTING REQUIREMENTS.

PLAN NOTES: (XX)

1. PROVIDE 20A SINGLE-POLE SWITCH FOR RECEPTACLE. REFER TO POWER PLAN FOR LOCATION OF RECEPTACLE. TYPICAL FOR ALL RESIDENT ROOMS.

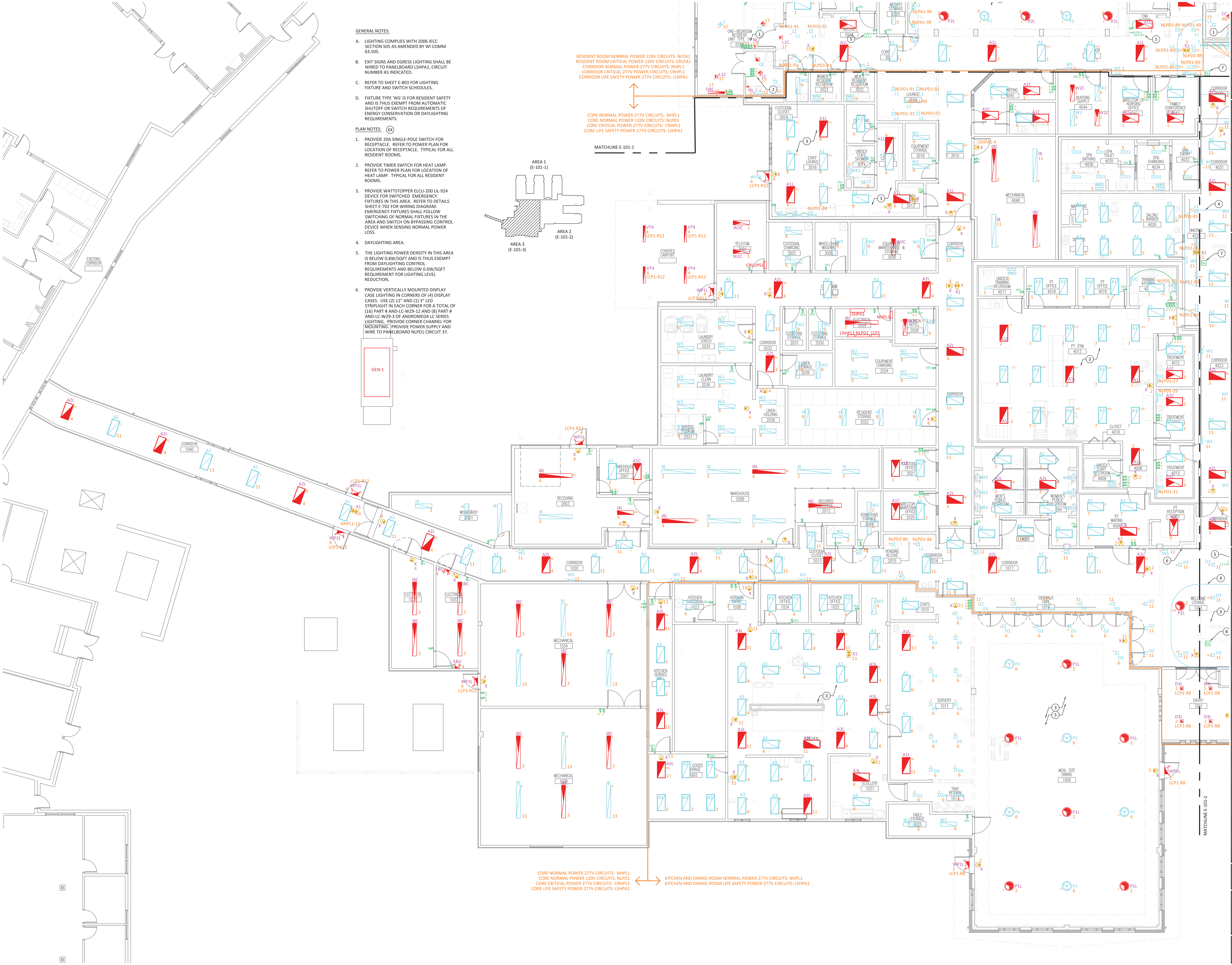
2. PROVIDE TIMER SWITCH FOR HEAT LAMP. REFER TO POWER PLAN FOR LOCATION OF HEAT LAMP. TYPICAL FOR ALL RESIDENT ROOMS.

3. PROVIDE WATTSTOPPER ELCU-200 UL-924 DEVICE FOR SWITCHED EMERGENCY FIXTURES IN THIS AREA. REFER TO DETAILS SHEET E-702 FOR WIRING DIAGRAM. EMERGENCY FIXTURES SHALL FOLLOW SWITCHING OF NORMAL FIXTURES IN THE AREA AND SWITCH ON BYPASSING CONTROL DEVICE WHEN SENSING NORMAL POWER LOSS.

4. DAYLIGHTING AREA.

5. THE LIGHTING POWER DENSITY IN THIS AREA IS BELOW 0.8W/SQFT AND IS THUS EXEMPT FROM DAYLIGHTING CONTROL REQUIREMENTS AND BELOW 0.6W/SQFT REQUIREMENT FOR LIGHTING LEVEL REDUCTION.

6. PROVIDE VERTICALLY MOUNTED DISPLAY CASE LIGHTING IN CORNERS OF (4) DISPLAY CASES. USE (2) 12" AND (1) 3" LED STRIPLIGHT IN EACH CORNER FOR A TOTAL OF (16) PART # AND-LC-W29-12 AND (8) PART # AND-LC-W29-3 OF ANDROMEDA LC SERIES LIGHTING. PROVIDE CORNER CHANNEL FOR MOUNTING. PROVIDE POWER SUPPLY AND WIRE TO PANELBOARD NLPD1 CIRCUIT 37.



FAITH TECHNOLOGIES
ELECTRICAL CONTRACTOR

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Appleton, WI 54912-0627
(920) 225-6500 office
www.faithtechnologies.com

Oneida Resident-Centered Care Community

2907 SOUTH OVERLAND ROAD
Oneida, WI

Partial Lighting Plan - Area 3

DATE:	NO:	REVISIONS:
09/27/2011	0	ISSUED FOR PLAN REVIEW
04/04/2012	1	ISSUED FOR CONSTRUCTION
06/12/2012	2	ASI 16 & CORRIDOR LIGHTING REVISION
02/06/2013	3	AS-BUILT

PROJECT NUMBER
233588

DRAWN BY: JAM
CHECKED BY: RWK
APPROVED BY: ED
DATE: 09/27/2011
SCALE: 1/8" = 1'-0"

SHEET
E-101-3

GENERAL NOTES:

A. ALL RECEPTACLES IN RESIDENT ROOMS SHALL BE MOUNTED AT 24" AFF UNLESS NOTED OTHERWISE.

PLAN NOTES: (XX)

1. PROVIDE CEILING MOUNTED RECEPTACLE AND DATA CONNECTION FOR PROJECTOR.
2. PROVIDE CONNECTION IN ACCESSIBLE CEILING SPACE TO MOTORIZED PROJECTION SCREEN.
3. ALL EQUIPMENT AND RECEPTACLES IN THE KITCHEN AND DINING ROOM SHALL BE WIRED TO PANELBOARD NLPK1 AND NLPK2.
4. PROVIDE A SHUNT TRIP BREAKER IN PANELBOARD NLPK1 TO FEED NLPK1A. WIRE ALL HEAT-PRODUCING ELECTRICAL EQUIPMENT BENEATH THE KITCHEN HOODS TO PANELBOARD NLPK1A. PROVIDE 120V CIRCUIT FROM PANELBOARD NLPK1 FOR CIRCUIT BREAKER.
5. PROVIDE 1" CONDUIT FROM POWER UNIT TO DOCK LIFT PIT.
6. IN ADDITION TO GENERATOR FEEDER CONDUIT PROVIDE (3) 1" CONDUITS FROM GENERATOR TO ATS ROOM FOR REMOTE STOP, ENGINE START SIGNAL, FUTURE REMOTE START, AND ANNUNCIATOR PANEL. PROVIDE 3/4" CONDUIT TO PANELBOARD LSLPA1 IN ELECTRICAL ROOM 2029 FOR GENERATOR LOAD CENTER.
7. PROVIDE (1) 1" CONDUIT FROM MECHANICAL ROOM 1034 TO TELECOM ROOM 3001.
8. REFER TO FOOD SERVICE PLANS FOR EXACT LOCATIONS OF ALL EQUIPMENT CONNECTIONS PRIOR TO ROUGH-IN IN KITCHEN AND SERVERY AREAS.
9. PROVIDE FLOOR BOXES FOR EQUIPMENT ALONG SERVERY LINE.
10. PROVIDE EQUIPMENT CONNECTION FROM CEILING.

RESIDENT ROOM NORMAL POWER CIRCUITS: NLPA1
RESIDENT ROOM CRITICAL POWER CIRCUITS: CRLPA1

NORMAL POWER CIRCUITS:NLPD1
CRITICAL POWER CIRCUITS:CRLPA1

MATCHLINE E-201-1

AREA 1 (E-201-1)
AREA 2 (E-201-2)
AREA 3 (E-201-3)

GEN LOAD CENTER-2
GEN LOAD CENTER-6
BH-1
BC-1
GEN-1
GEN LOAD CENTER

CORE NORMAL POWER CIRCUITS: NLPD1
CORE CRITICAL POWER CIRCUITS: CRLPA1

KITCHEN AND DINING ROOM CIRCUITS: NLPK1

MATCHLINE E-201-2

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Oneida Resident-Centered Care Community

2907 SOUTH OVERLAND ROAD
Oneida, WI

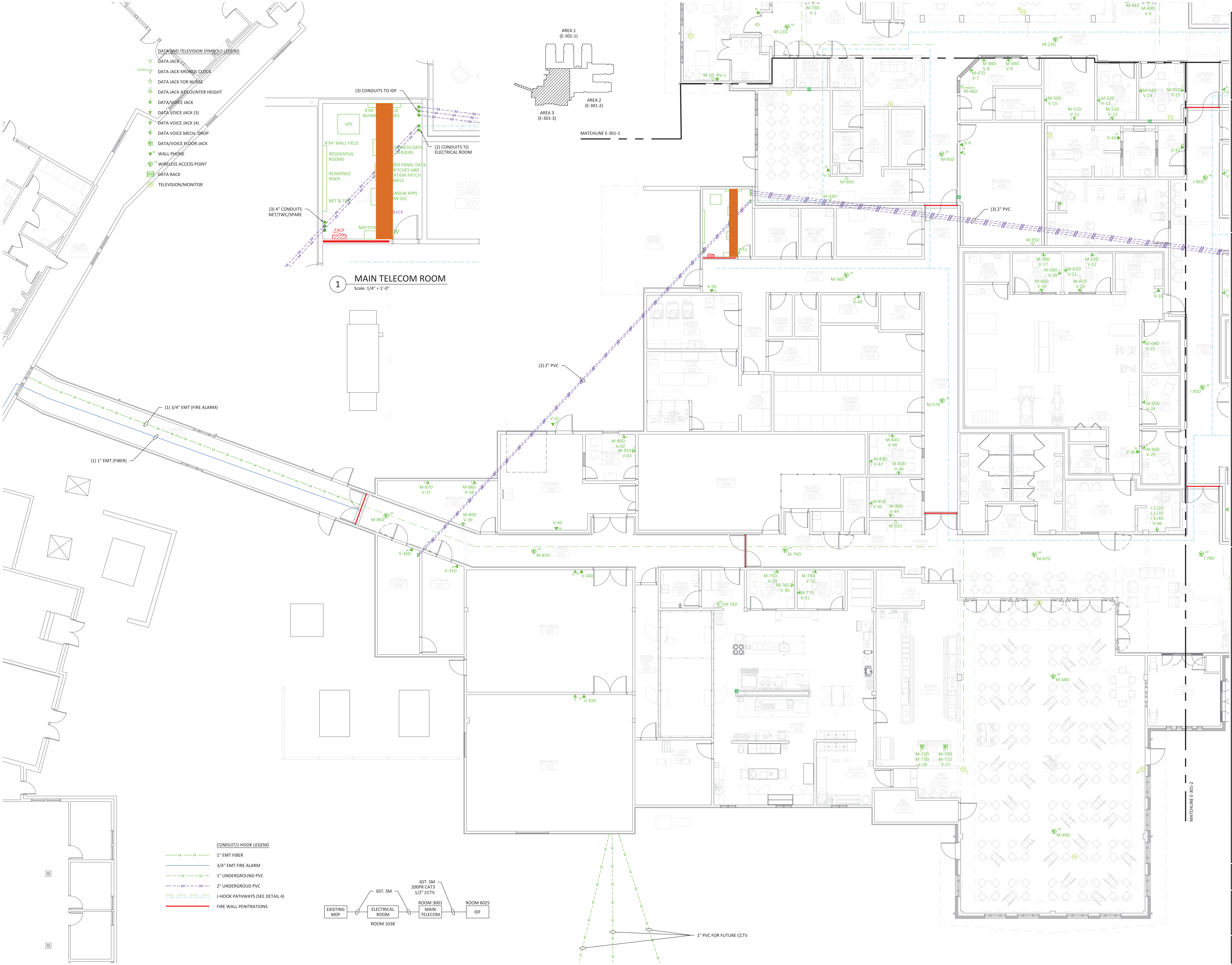
Partial Power Plan - Area 3

NO:	REVISIONS:	DATE:
0	ISSUED FOR PLAN REVIEW	09/27/2011
1	ISSUED FOR CONSTRUCTION	04/04/2012
2	AS-BUILT	02/06/2013

PROJECT NUMBER
233588

DRAWN BY: JAM
CHECKED BY: RWK
APPROVED BY: ED
DATE: 09/27/2011
SCALE: 1/8" = 1'-0"

SHEET
E-201-3



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Oneida Resident-Centered Care Community

2907 SOUTH OVERLAND ROAD
Oneida, WI

Partial Data and Television Plan - Area 3

DATE:	NO:	REVISIONS:
09/27/2011	0	ISSUED FOR PLAN REVIEW
11/15/2011	1	UPDATED PLAN
11/30/2011	2	REMOVED SECURITY
12/15/2011	3	UPDATED PLAN
04/04/2012	4	ISSUED FOR CONSTRUCTION
01/03/2013	5	AS-BUILT

PROJECT NUMBER
233588

DRAWN BY: JAM
CHECKED BY: KS
APPROVED BY: EB
DATE: 09/27/2011
SCALE: 1/8" = 1'-0"

SHEET
E-301-3

NLPD1

ROOM	ELECTRICAL ROOM 2029	VOLTS	208Y/120V 3P 4W	AIC	14k
MOUNTING	SURFACE	BUS AMPS	400	MAIN BKR	400
FED FROM	T-NLPD1	NEUTRAL	100%	LUGS	STANDARD
NOTE	SQUARE D NQ				

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C
1	20/1	RECP, PT GYM #4013	0.72			2	20/1	RECP, CUST. STOR. #2030, CUST. STOR. #2031	0.72		
3	20/1	RECP, PT GYM #4013		0.54		4	20/1	RECP, CENT CORR WEST		0.72	
5	20/1	RECP, PT GYM #4013			0.18	6	20/1	RECP, CENT CORR WEST			0.72
7	20/1	RECP, PT GYM #4013	0.18			8	20/1	RECP, CUST. CHARGING #3003	0.36		
9	20/1	RECP, PT GYM #4013		0.18		10	20/1	RECP, CUST. CHARGING #3003		0.36	
11	20/1	RECP, PT GYM #4013			0.18	12	20/1	RECP, CUST. CHARGING #3003			0.18
13	20/1	RECP, PT GYM #4013	0.18			14	20/1	RECP, #3005, OXYGEN #2028, STOR. #3006	1.44		
15	20/1	RECP, PT GYM #4013		0.18		16	20/1	RECP, EQUIP. CHARGING #2024		0.18	
17	20/1	RECP, HALL #4008, PT GYM #4013			0.54	18	20/1	RECP, EQUIP. CHARGING #2024			0.18
19	20/1	RECP, PT OFFICE	0.72			20	20/1	RECP, EQUIP. CHARGING #2024	0.18		
21	20/1	RECP, PT OFFICE #4019		0.72		22	20/1	RECP, EQUIP. CHARGING #2024		0.18	
23	20/1	RECP, KITCHEN #4020			0.36	24	20/1	RECP, EQUIP. CHARGING #2024			0.18
25	20/1	RECP, LTG, KITCHEN #4020	0.582			26	20/1	RECP, EQUIP. CHARGING #2024	0.18		
27	20/1	RECP, LTG, TREATMENT #4012		0.741		28	20/1	RECP, EQUIP. CHARGING #2024		0.18	
29	20/1	RECP, LTG, TREATMENT #4011			0.741	30	20/1	RECP, EQUIP. CHARGING #2024			0.18
31	20/1	RECP, LTG, TREATMENT #4010	0.741			32	20/1	RECP, EQUIP. CHARGING #2024	0.18		
33	20/1	RECP, MEN #4002, UNISEX #4009, WOMEN #4004		0.9		34	20/1	RECP, EQUIP. CHARGING #2024		0.18	
35	20/1	RECP, PT WAITING #4006			0.72	36	20/1	RECP, #2034, LAUNDRY #2036, LINEN #2038, STOR. #2022			1.26
37	20/1	RECP, PT RECEPTION #4007	0.9			38	20/1	RECP, LTG, LOUNGE #3016	0.423		
39	20/1	RECP, MAN. #4029, SALON #4026, SERVICE #4030		1.08		40	20/1	LR-1, LOUNGE #3016		1.2	
41	20/1	RECP, SALON #4026			0.36	42	20/1	GFCI BKR VEND-4, LOUNGE #3016			1.2
43	20/1	RECP, SALON #4026	0.36			44	20/1	GFCI BKR VEND-5, STAFF #3013	1.2		
45	20/1	RECP, SALON #4026		0.36		46	20/1	RECP, LOUNGE #3016, STAFF #3013		0.72	
47	20/1	RECP, SALON #4026			0.5	48	20/1	RECP, STAFF #3015, UNISEX STAFF SHOWER #3014			0.72
49	20/1	RECP, SALON #4026	0.5			50	20/1	RECP, #3022, CUST. #3024, LOUNGE #3019, WOMEN #3023	1.08		
51	20/1	RECP, SALON #4026		0.5		52	20/1	RECP, LOUNGE #3019		0.36	
53	20/1	RECP, SPA CHANGING #4034, SPA ENTRY #4033			0.54	54	20/1	RECP, CENT CORR WEST, RES. CORR. NORTH, STOR. #3018			0.9
55	20/1	RECP, SPA BATHING #4036	0.72			56	20/1	RECP	0.54		
57	20/1	FP-1, SPA CHANGING #4034		1.9		58	20/1	RECP, WORKSHOP #2001		0.54	
59	20/1	RECP, MECH #4048			0.54	60	20/1	RECP, LOADING DOCK, RECEIVING #2003			0.72
61	20/1	RECP, CHARTING #4045	0.54			62	20/1	RECP, WAREHOUSE OFFICE #2007	0.72		
63	20/1	RECP, CHARTING #4045, MED. #4047		0.36		64	20/1	RECP, STOR. #2008		0.9	
65	20/1	RECP, NURSING SUPPLY #4044			0.54	66	20/1	RECP, CUST. CLOSET #2013, DONATION STOR. #2014			0.72
67	20/1	RECP, DIR. OF NURSING OFFICE #4043	0.54			68	20/1	RECP, CUST. OFFICE #2021	0.54		
69	20/1	RECP, FAMILY CONF. #4042		0.54		70	20/1	RECP, DIR. OF MAINT. OFFICE #2020		0.54	
71	20/1	RECP, CENT CORR WEST			0.72	72	20/1	GFCI BKR VEND-1, ALCOVE #2015			1.2
73	20/1	RECP, CENT CORR WEST	0.36			74	20/1	GFCI BKR VEND-2, ALCOVE #2015	1.2		
75	20/1	RECP, CENT CORR WEST		0.18		76	20/1	GFCI BKR VEND-3, ALCOVE #2015		1.2	
77	20/1	RECP, CENT CORR WEST			0.18	78	20/1	EWC-1, CENT CORR WEST			0.48
79	20/1	RECP, CAFE #1016, CENT CORR WEST, ENTRY #1001	0.9			80	20/1	RECP, CENT CORR WEST, CORR. #1040	1.26		
81	20/1	CP-1, PT RECEPTION #4007		1.66		82	20/1	RECP, CENT CORR WEST, CORR. #1040		0.9	
83	20/1	RECP, CENT CORR WEST			0.36	84	20/1	RECP, MECH #1034, MECH 1035			0.72
85	20/1	LTG, CENT CORR WEST	0.048			86	20/1	LTG, ALCOVE #2015	0.024		
87	/1	SPACE		0		88	20/1	SPARE		0	
89	20/1	LTG, RES. CORR. NORTH, RESIDENT WING F CORR.			0.721	90	20/1	RECP, EXTERIOR			0.36
91	20/1	LTG, LOUNGE #3019, RES. CORR. NORTH	0.096			92	20/1	SPARE	0		
93	20/1	SPARE SPA BATH, SPA BATHING #4036		0.1		94	20/1	SPARE		0	
95	20/1	RECP, MED. #4047			0.36	96	20/1	SPARE			0
97	20/1	RECP, KITCHEN #4020	0.18			98	20/1	SPARE	0		
99	20/1	SPARE		0		100	20/1	SPARE		0	
101	20/1	SPARE			0	102	/1	SPACE			0
103	20/2	RANGE, KITCHEN #4020	0.05			104	/1	SPACE	0		
105	|			0.05		106	/1	SPACE		0	
107	/1	SPACE			0	108	/1	SPACE			0
109	/1	SPACE	0			110	/1	SPACE	0		
111	/1	SPACE		0		112	/1	SPACE		0	
113	/1	SPACE			0	114	/1	SPACE			0
115	/1	SPACE	0			116	/1	SPACE	0		
117	/1	SPACE		0		118	/1	SPACE		0	
119	/1	SPACE			0	120	/1	SPACE			0
121	125/3	NLPD2	15.2			122	/1	SPACE	0		
123	|			12.8		124	/1	SPACE		0	
125	|				11.9	126	/1	SPACE			0
								TOTAL CONNECTED KVA BY PHASE	33.6	30.9	29.2

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	1.52	1.9	(125%)	CONTINUOUS	8.38	10.5	(125%)
LARGEST MOTOR	1	1.25	(125%)	HEATING	0	0	(100%)
OTHER MOTORS	1.2	1.2	(100%)	NONCONTINUOUS	7.92	7.92	(100%)
RECEPTACLES	72	41	(50%>10)	KITCHEN EQUIP	0	0	(N/A)
CONTINUOUS	1.66	0	(0%)	NONCOIN/DIVERSE	0	0	(N/A)
CONTINUOUS	0	0	(0%)	TOTAL KVA	93.7	63.7	

NORMAL BRANCH — BALANCED THREE PHASE AMPS 177

NLPD2

ROOM	ELECTRICAL ROOM H017	VOLTS	208Y/120V 3P 4W	AIC	10k
MOUNTING	SURFACE	BUS AMPS	125	MAIN BKR	125
FED FROM	NLPD1	NEUTRAL	100%	LUGS	STANDARD
NOTE	SQUARE D NQ				

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C
1	20/1	RECP, LOUNGE #5024	0.54			2	20/1	RECP, ADMIN OFFICE #6018	0.54		
3	20/1	RECP, RES. CORR. NORTH, RESIDENT WING G CORR.		1.26		4	20/1	RECP, ADMIN OFFICE #6019		0.54	
5	20/1	RECP, RES. CORR. NORTH, RESIDENT WING G CORR.			1.08	6	20/1	RECP, UNISEX #6014, UNISEX #6015			0.36
7	20/1	RECP, LOUNGE #G014	0.9			8	20/1	RECP, ACT. OFFICE #6009, ACT. STOR. #6010	0.72		
9	20/1	RECP, LOUNGE #G014		0.36		10	20/1	RECP, ACT. OFFICE #6009		0.36	
11	20/1	LR-2, LOUNGE #G014			1.2	12	20/1	RECP, ACT. OFFICE #6002			0.72
13	20/1	RECP, CUST. CLOSET #5016	0.36			14	20/1	RECP, LTG, CENTRAL ACT. #6004	0.582		
15	20/1	RECP, NURSING OFFICE #5027		0.54		16	20/1	RECP, LTG, CENTRAL ACT. #6004		0.603	
17	20/1	RECP, ED/MDS OFFICE #5026			0.54	18	20/1	RECP, CENTRAL ACT. #6004, HALL #6001			0.9
19	20/1	RECP, UNIT CLERK #5025	0.54			20	20/1	PS-1, PR-1, CENTRAL ACT. #6004	1		
21	20/1	RECP, EQUIP. STOR. #5022, LINEN, SOILED LINEN #5021		0.9		22	20/1	RECP, SMUDGING #6022		0.72	
23	20/1	RECP, EQUIP. CHARGING #5019			0.18	24	20/1	RECP, #6028, CUST. #6029, LAUNDRY #6026, LINEN #6027			1.26
25	20/1	RECP, EQUIP. CHARGING #5019	0.18			26	20/1	RECP, ACT. STOR. #H019, RESIDENT WING H CORR.	1.08		
27	20/1	RECP, EQUIP. CHARGING #5019		0.18		28	20/1	RECP, EQUIP. STOR. #H008, RESIDENT WING H CORR.		0.72	
29	20/1	RECP, EQUIP. CHARGING #5019			0.18	30	20/1	RECP, MECH #H014			0.72
31	20/1	RECP, EQUIP. CHARGING #5019	0.18			32	20/1	RECP, CONF. #K003	0.72		
33	20/1	RECP, EQUIP. CHARGING #5019		0.18		34	20/1	PR-2, PS-2, CONF. #K003		1	
35	20/1	RECP, EQUIP. CHARGING #5019			0.18	36	20/1	SPARE			0
37	20/1	RECP, EQUIP. CHARGING #5019	0.18			38	30/2	DR-5, LAUNDRY #6026	1.8		
39	20/1	RECP, EQUIP. CHARGING #5019		0.18		40	|			1.8	
41	20/1	RECP, EQUIP. CHARGING #5019			0.18	42	20/1	SPARE			0
43	20/1	RECP, EQUIP. CHARGING #5019	0.18			44	20/1	WM-5, LAUNDRY #6026	1.92		
45	20/1	RECP, EQUIP. CHARGING #5019		0.18		46	20/1	SPARE		0	
47	20/1	RECP, EQUIP. CHARGING #5019			0.18	48	20/1	SPARE			0
49	20/1	RECP, EQUIP. CHARGING #5019	0.18			50	20/1	SPARE	0		
51	20/1	RECP, MEN #5013, WOMEN #5014		0.36		52	20/1	RECP, MED. #5010		0.36	
53	20/1	RECP, CHARTING #5008			0.54	54	20/1	CEILING FANS, RM 6004			0
55	20/1	RECP, CHARTING #5008, MED. #5010	0.36			56	20/1	RECP, ROOF	0.54		
57	20/1	RECP, OXYGEN REFILL #5007		0.36		58	20/1	SPARE		0	
59	20/1	RECP, MECH #5004			0.54	60	20/1	SPARE			0
61	20/1	RECP, SOCIAL WORK OFFICE #5002	0.54			62	20/1	SPARE	0		
63	20/1	RECP, FIN. OFFICE #5003		0.54		64	20/1	SPARE		0	
65	20/1	CP-2, COPY #5001			1.2	66	20/1	SPARE			0
67	20/1	RECP, COPY #5001	0.54			68	20/1	SPARE	0		
69	20/1	RECP, COPY #5001		0.54		70	20/1	SPARE		0	
71	20/1	RECP, CENT. CORR. EAST, EQUIP. STOR. #J011, RESIDENT WING J CORR.			1.44	72	20/1	SPARE			0
73	20/1	RECP, CENT CORR WEST, CENT. CORR. EAST	0.54			74	20/1	SPARE	0		
75	20/1	RECP, CENT. CORR. EAST		0.72		76	20/1	SPARE		0	
77	20/1	RECP, CENT CORR WEST, CENT. CORR. EAST			0.54	78	20/1	SPARE			0
79	20/1	RECP, CENT. CORR. EAST, RESIDENT WING J CORR.	1.08			80	20/1	SPARE	0		
81	20/1	LTG, CENT. CORR. EAST, CENTRAL ACT. #6004, CONF. #K003, HALL #6001, RESIDENT WING J CORR., SANCTUARY #6003, SMUDGING #6022		0.36		82	20/1	SPARE		0	
83	20/1	SPARE			0	84	20/1	SPARE			0
								TOTAL CONNECTED KVA BY PHASE	15.2	12.8	11.9

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	0.465	0.581	(125%)	CONTINUOUS	0	0	(125%)
LARGEST MOTOR	1	1.25	(125%)	HEATING	0	0	(100%)
OTHER MOTORS	1	1	(100%)	NONCONTINUOUS	6.72	6.72	(100%)
RECEPTACLES	30.7	20.4	(50%>10)	KITCHEN EQUIP	0	0	(N/A)
CONTINUOUS	0	0	(0%)	NONCOIN/DIVERSE	0	0	(N/A)
CONTINUOUS	0	0	(0%)	TOTAL KVA	39.9	29.9	

NORMAL BRANCH — BALANCED THREE PHASE AMPS 83

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Oneida Resident-Centered Care Community
2907 SOUTH OVERLAND ROAD
Oneida, WI

SCHEDULES AND LEGENDS

DATE:	NO:	REVISIONS:
09/27/2011	0	ISSUED FOR PLAN REVIEW
04/04/2012	1	ISSUED FOR CONSTRUCTION
02/06/2013	2	AS-BUILT

PROJECT NUMBER
233588

DRAWN BY: JAM
CHECKED BY: RWK
APPROVED BY: ED
DATE: 09/27/2011
SCALE: NONE

SHEET
E-806

CRLPA1

ROOM ELECTRICAL ROOM E032 | VOLTS 208Y/120V 3P 4W | AIC 10k
MOUNTING SURFACE | BUS AMPS 225 | MAIN BKR 225
FED FROM T-CRLPA1 | NEUTRAL 100% | LUGS STANDARD
NOTE SQUARE D NQ

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C
1	125/3	SPARE	0			2	20/1	RECP	0.18		
3	|			0		4	20/1	RECP, RES. CORR. NORTH		0.36	
5	|				0	6	20/1	TC-1, RES. CORR. NORTH			0.2
7	125/3	SPARE	0			8	20/1	RECP, RES. CORR. NORTH	0.18		
9	|			0		10	/1	SPACE		0	
11	|				0	12	/1	SPACE			0
13	20/1	RECP, RESIDENT RM. #E013	0.36			14	20/1	RECP, RESIDENT RM. #E005	0.36		
15	20/1	LC, RESIDENT RM. #E013		0.12		16	20/1	LC, RESIDENT RM. #E005		0.12	
17	20/1	LTG, RES. CORR. NORTH, RESIDENT RM. #E013			0.165	18	20/1	LTG, RESIDENT RM. #E005			0.153
19	20/1	RECP, RESIDENT RM. #E011	0.36			20	20/1	RECP, RESIDENT RM. #E006	0.36		
21	20/1	LC, RESIDENT RM. #E011		0.12		22	20/1	LC, RESIDENT RM. #E006		0.12	
23	20/1	LTG, RESIDENT RM. #E011, RESIDENT WING E CORR.			0.165	24	20/1	LTG, RESIDENT RM. #E006			0.148
25	20/1	RECP, RESIDENT RM. #E009	0.36			26	20/1	RECP, RESIDENT RM. #E006	0.36		
27	20/1	LC, RESIDENT RM. #E009		0.12		28	20/1	LC, RESIDENT RM. #E006		0.12	
29	20/1	LTG, RESIDENT RM. #E009, RESIDENT WING E CORR.			0.165	30	20/1	LTG, RESIDENT RM. #E006, RESIDENT WING E CORR.			0.126
31	20/1	RECP, RESIDENT RM. #E007	0.36			32	20/1	RECP, RESIDENT RM. E008	0.36		
33	20/1	LC, RESIDENT RM. #E007		0.12		34	20/1	LC, RESIDENT RM. E008		0.12	
35	20/1	LTG, RESIDENT RM. #E007, RESIDENT WING E CORR.			0.165	36	20/1	LTG, RESIDENT RM. E008, RESIDENT WING E CORR.			0.165
37	20/1	RECP, RESIDENT RM. #E005	0.36			38	20/1	RECP, RESIDENT RM. #E010	0.36		
39	20/1	LC, RESIDENT RM. #E005		0.12		40	20/1	LC, RESIDENT RM. #E010		0.12	
41	20/1	LTG, RESIDENT RM. #E005, RESIDENT WING E CORR.			0.121	42	20/1	LTG, RESIDENT RM. #E010, RESIDENT WING E CORR.			0.165
43	20/1	RECP, RESIDENT RM. #F013	0.36			44	20/1	RECP, RESIDENT RM. #F014	0.36		
45	20/1	LC, RESIDENT RM. #F013		0.12		46	20/1	LC, RESIDENT RM. #F014		0.12	
47	20/1	LTG, RESIDENT RM. #F013, RESIDENT WING F CORR.			0.165	48	20/1	LTG, RESIDENT RM. #F014			0.114
49	20/1	RECP, RESIDENT RM. #F011	0.36			50	20/1	RECP, RESIDENT RM. #F014	0.36		
51	20/1	LC, RESIDENT RM. #F011		0.12		52	20/1	LC, RESIDENT RM. #F014		0.12	
53	20/1	LTG, RESIDENT RM. #F011, RESIDENT WING F CORR.			0.165	54	20/1	LTG, RESIDENT RM. #F014, RESIDENT WING F CORR.			0.16
55	20/1	RECP, RESIDENT RM. #F007	0.36			56	20/1	RECP, CNA ALCOVE #F019	0.36		
57	20/1	LC, RESIDENT RM. #F007		0.12		58	20/1	TC-2, CNA ALCOVE #F019		0.2	
59	20/1	LTG, RESIDENT RM. #F007			0.148	60	20/1	RECP, CNA ALCOVE #F019			0.18
61	20/1	RECP, RESIDENT RM. #F007	0.36			62	20/1	NCC-1, CHARTING #4045	0.2		
63	20/1	LC, RESIDENT RM. #F007		0.12		64	20/1	RECP, CHARTING #4045		0.54	
65	20/1	LTG, RESIDENT RM. #F007, RESIDENT WING F CORR.			0.126	66	20/1	RECP, CHARTING #4045, MED. #4047			0.36
67	20/1	RECP, RESIDENT RM. #F006	0.36			68	20/1	RECP, CHARTING #4045	0.18		
69	20/1	LC, RESIDENT RM. #F006		0.12		70	20/1	SPARE		0	
71	20/1	LTG, RESIDENT RM. #F006, RESIDENT WING F CORR.			0.165	72	20/1	MD-1, MED. #4047			0.8
73	20/1	RECP, RESIDENT RM. #F010	0.36			74	20/1	RECP, NURSING SUPPLY #4044	0.54		
75	20/1	LC, RESIDENT RM. #F010		0.12		76	20/1	RECP, DIR. OF NURSING OFFICE #4043		0.18	
77	20/1	LTG, RESIDENT RM. #F010, RESIDENT WING F CORR.			0.165	78	20/1	RECP, MECH #4048			0.18
79	20/1	RECP, RESIDENT RM. #F012	0.36			80	20/1	RECP, CENT CORR WEST	0.18		
81	20/1	LC, RESIDENT RM. #F012		0.12		82	20/1	RECP, CENT CORR WEST		0.18	
83	20/1	LTG, RESIDENT RM. #F012, RESIDENT WING F CORR.			0.165	84	20/1	RECP, DIR. OF MAINT. OFFICE #2020			0.18
85	20/1	RECP, MECH #1034, MECH 1035	0.36			86	20/1	RECP, CUST. OFFICE #2021	0.18		
87	20/1	RECP, ELEC. #1037		0.36		88	20/1	RECP, ELEC. #2029		0.18	
89	20/1	RECP, ELEC. #1038			0.36	90	20/1	UV LGT, MECH #4048			0.1
91	20/1	RECP, TREATMENT #4012	0.18			92	20/1	TCC, MECH #4048	0.1		
93	20/1	RECP, TREATMENT #4011		0.18		94	20/2	TC AC-1, TELECOM #3001		0.05	
95	20/1	RECP, TREATMENT #4010			0.18	96	|				0.05
97	20/1	RECP, HALL #4008	0.18			98	20/1	TIME CLOCK, STAFF #3013	0.2		
99	20/1	RECP, PT OFFICE		0.18		100	20/1	SPARE		0	
101	20/1	RECP, PT OFFICE #4019			0.18	102	20/1	SPARE			0
103	20/1	LC, SPA TOILET #4035	0.12			104	20/1	QC LIGHTS DRIVER E WING	0.1		
105	20/1	SPARE		0		106	20/1	QC LIGHTS DRIVER F WING		0.1	
107	20/1	SPARE			0	108	/1	SPACE			0
109	20/1	SPARE	0			110	/1	SPACE	0		
111	20/1	SPARE		0		112	/1	SPACE		0	
113	20/1	SPARE			0	114	/1	SPACE			0
115	20/1	SPARE	0			116	/1	SPACE	0		
117	/1	SPACE		0		118	/1	SPACE		0	
119	/1	SPACE			0	120	/1	SPACE			0
121	/1	SPACE	0			122	/1	SPACE	0		
123	/1	SPACE		0		124	/1	SPACE		0	
125	/1	SPACE			0	126	/1	SPACE			0
								TOTAL CONNECTED KVA BY PHASE	10.1	4.79	5.68

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	2.91	3.64	(125%)	CONTINUOUS	2.6	3.25	(125%)
LARGEST MOTOR	0.2	0.25	(125%)	HEATING	0	0	(100%)
OTHER MOTORS	0.9	0.9	(100%)	NONCONTINUOUS	0	0	(100%)
RECEPTACLES	13.9	12	(50%>10)	KITCHEN EQUIP	0	0	(N/A)
CONTINUOUS	0	0	(0%)	NONCOIN/DIVERSE	0	0	(N/A)
CONTINUOUS	0	0	(0%)	TOTAL KVA	20.6	20	

CRITICAL BRANCH — BALANCED THREE PHASE AMPS 55.5

CRLPB1

ROOM ELECTRICAL ROOM H017 | VOLTS 208Y/120V 3P 4W | AIC 10k
MOUNTING SURFACE | BUS AMPS 225 | MAIN BKR 225
FED FROM T-CRLPB1 | NEUTRAL 100% | LUGS STANDARD
NOTE SQUARE D NQ

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C
1	20/1	RECP, RESIDENT RM. #G013	0.36			2	20/1	RECP, RESIDENT RM. #G010	0.36		
3	20/1	LC, RESIDENT RM. #G013		0.12		4	20/1	LC, RESIDENT RM. #G010		0.12	
5	20/1	LTG, RESIDENT RM. #G013			0.114	6	20/1	LTG, RESIDENT RM. #G010, RESIDENT WING G CORR.			0.165
7	20/1	RECP, RESIDENT RM. #G013	0.36			8	20/1	RECP, RESIDENT RM. #G012	0.36		
9	20/1	LC, RESIDENT RM. #G013		0.12		10	20/1	LC, RESIDENT RM. #G012		0.12	
11	20/1	LTG, RESIDENT RM. #G013, RESIDENT WING G CORR.			0.16	12	20/1	LTG, RESIDENT RM. #G012, RESIDENT WING G CORR.			0.165
13	20/1	RECP, RESIDENT RM. #G011	0.36			14	20/1	RECP, RESIDENT RM. #H013	0.36		
15	20/1	LC, RESIDENT RM. #G011		0.12		16	20/1	LC, RESIDENT RM. #H013		0.12	
17	20/1	LTG, RESIDENT RM. #G011, RESIDENT WING G CORR.			0.165	18	20/1	LTG, RESIDENT RM. #H013, RESIDENT WING H CORR.			0.165
19	20/1	RECP, RESIDENT RM. #G009	0.36			20	20/1	RECP, RESIDENT RM. #H011	0.36		
21	20/1	LC, RESIDENT RM. #G009		0.12		22	20/1	LC, RESIDENT RM. #H011		0.12	
23	20/1	LTG, RESIDENT RM. #G009, RESIDENT WING G CORR.			0.165	24	20/1	LTG, RESIDENT RM. #H011, RESIDENT WING H CORR.			0.165
25	20/1	RECP, RESIDENT RM. #G005	0.36			26	20/1	RECP, RESIDENT RM. #H009	0.36		
27	20/1	LC, RESIDENT RM. #G005		0.12		28	20/1	LC, RESIDENT RM. #H009		0.12	
29	20/1	LTG, RESIDENT RM. #G005, RESIDENT WING G CORR.			0.165	30	20/1	LTG, RESIDENT RM. #H009, RESIDENT WING H CORR.			0.165
31	20/1	RECP, RESIDENT RM. #G006	0.36			32	20/1	RECP, RESIDENT RM. #H005	0.36		
33	20/1	LC, RESIDENT RM. #G006		0.12		34	20/1	LC, RESIDENT RM. #H005		0.12	
35	20/1	LTG, RESIDENT RM. #G006, RESIDENT WING G CORR.			0.165	36	20/1	LTG, RESIDENT RM. #H005, RESIDENT WING H CORR.			0.165
37	20/1	RECP, RESIDENT RM. #G008	0.36			38	20/1	RECP, RESIDENT RM. #H006	0.36		
39	20/1	LC, RESIDENT RM. #G008		0.12		40	20/1	LC, RESIDENT RM. #H006		0.12	
41	20/1	LTG, RESIDENT RM. #G008, RESIDENT WING G CORR.			0.165	42	20/1	LTG, RESIDENT RM. #H006			0.109
43	20/1	RECP, NURSING OFFICE #5027	0.18			44	20/1	RECP, RESIDENT RM. #H006	0.36		
45	20/1	RECP, ED/MDS OFFICE #5026		0.18		46	20/1	LC, RESIDENT RM. #H006		0.12	
47	20/1	RECP, UNIT CLERK #5025			0.18	48	20/1	LTG, RESIDENT RM. #H006, RESIDENT WING H CORR.			0.165
49	20/1	RECP, SOCIAL WORK OFFICE #5002	0.18			50	20/1	RECP, RESIDENT RM. #H010	0.36		
51	20/1	RECP, FIN. OFFICE #5003		0.18		52	20/1	LC, RESIDENT RM. #H010		0.12	
53	20/1	RECP, MECH #5004			0.18	54	20/1	LTG, RESIDENT RM. #H010, RESIDENT WING H CORR.			0.165
55	20/1	RECP, CHARTING #5008	0.54			56	20/1	RECP, RESIDENT RM. #H012	0.36		
57	20/1	RECP, CHARTING #5008		0.18		58	20/1	LC, RESIDENT RM. #H012		0.12	
59	20/1	RECP, CHARTING #5008, MED. #5010			0.36	60	20/1	LTG, RESIDENT RM. #H012, RESIDENT WING H CORR.			0.165
61	/1	SPACE	0			62	/1	SPACE	0		
63	20/1	MD-2, MED. #5010		0.8		64	20/1	RECP, CNA ALCOVE #H021		0.36	
65	20/1	RECP, MECH #H014			0.18	66	20/1	RECP, TC-4, CNA ALCOVE #H021			0.56
67	20/1	NCC-2, CHARTING #5008	0.2			68	20/1	RECP, RES. CORR. NORTH	0.36		
69	20/1	UV LGT, MECH #H014		0.1		70	20/1	TC-3, RES. CORR. NORTH		0.2	
71	20/1	TCC, MECH #H014			0.1	72	20/1	RECP, RES. CORR. NORTH			0.36
73	20/1	QC LIGHTS DRIVER F WING	0.1			74	20/1	RECP, ELEC. #H017	0.18		
75	20/1	QC LIGHTS DRIVER H WING		0.1		76	20/1	LTG, CNA ALCOVE #H021		0.024	
77	20/1	SPARE			0	78	20/1	SPARE			0
79	20/1	SPARE	0			80	20/1	SPARE	0		
81	20/1	SPARE		0		82	20/1	SPARE		0	
83	20/1	SPARE			0	84	20/1	SPARE			0
								TOTAL CONNECTED KVA BY PHASE	7.86	4.16	4.61

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	2.72	3.4	(125%)	CONTINUOUS	2.24	2.8	(125%)
LARGEST MOTOR	0.2	0.25	(125%)	HEATING	0	0	(100%)
OTHER MOTORS	0.6	0.6	(100%)	NONCONTINUOUS	0	0	(100%)
RECEPTACLES	10.9	10.4	(50%>10)	KITCHEN EQUIP	0	0	(N/A)
CONTINUOUS	0	0	(0%)	NONCOIN/DIVERSE	0	0	(N/A)
CONTINUOUS	0	0	(0%)	TOTAL KVA	16.6	17.5	

CRITICAL BRANCH — BALANCED THREE PHASE AMPS 48.5

CRLPC1

ROOM ELECTRICAL ROOM J013 | VOLTS 208Y/120V 3P 4W | AIC 10k
MOUNTING SURFACE | BUS AMPS 225 | MAIN BKR 225
FED FROM T-CRLPC1 | NEUTRAL 100% | LUGS STANDARD
NOTE SQUARE D NQ

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C
1	20/1	RECP, RESIDENT RM. #J009	0.36			2	20/1	RECP, RESIDENT RM. #J012	0.36		
3	20/1	LC, RESIDENT RM. #J009		0.12		4	20/1	LC, RESIDENT RM. #J012		0.12	
5	20/1	LTG, RESIDENT RM. #J009, RESIDENT WING J CORR.			0.192	6	20/1	LTG, RESIDENT RM. #J012, RESIDENT WING J CORR.			0.165
7	20/1	RECP, RESIDENT RM. #J007	0.36			8	20/1	RECP, RESIDENT RM. #J014	0.36		
9	20/1	LC, RESIDENT RM. #J007		0.12		10	20/1	LC, RESIDENT RM. #J014		0.12	
11	20/1	LTG, RESIDENT RM. #J007, RESIDENT WING J CORR.			0.192	12	20/1	LTG, CENT. CORR. EAST, RESIDENT RM. #J014			0.165
13	20/1	RECP, RESIDENT RM. #J005	0.36			14	20/1	RECP, RESIDENT RM. #K008	0.36		
15	20/1	LC, RESIDENT RM. #J005		0.12		16	20/1	LC, RESIDENT RM. #K008		0.12	
17	20/1	LTG, RESIDENT RM. #J005, RESIDENT WING J CORR.			0.165	18	20/1	LTG, RESIDENT RM. #K008			0.158
19	20/1	RECP, RESIDENT RM. #J006	0.36			20	20/1	RECP, RESIDENT RM. #K007	0.36		
21	20/1	LC, RESIDENT RM. #J006		0.12		22	20/1	LC, RESIDENT RM. #K007		0.12	
23	20/1	LTG, RESIDENT RM. #J006			0.109	24	20/1	LTG, RESIDENT RM. #K007			0.158
25	20/1	RECP, RESIDENT RM. #J006	0.36			26	20/1	RECP, RESIDENT RM. #K006	0.36		
27	20/1	LC, RESIDENT RM. #J006		0.12		28	20/1	LC, RESIDENT RM. #K006		0.12	
29	20/1	LTG, RESIDENT RM. #J006, RESIDENT WING J CORR.			0.165	30	20/1	LTG, RESIDENT RM. #K006			0.158
31	20/1	RECP, RESIDENT RM. #J008	0.36			32	20/1	RECP, CNA ALCOVE J015	0.36		
33	20/1	LC, RESIDENT RM. #J008		0.12		34	20/1	TC-5, CNA ALCOVE J015		0.2	
35	20/1	LTG, RESIDENT RM. #J008, RESIDENT WING J CORR.			0.165	36	20/1	RECP, CNA ALCOVE J015			0.18
37	20/1	RECP, RESIDENT RM. #J010	0.36			38	20/1	RECP, ADMIN OFFICE #6018	0.18		
39	20/1	LC, RESIDENT RM. #J010		0.12		40	20/1	RECP, ADMIN OFFICE #6019		0.18	
41	20/1	LTG, RESIDENT RM. #J010, RESIDENT WING J CORR.			0.165	42	20/1	RECP, ELEC. #J013			0.18
43	20/1	QC LIGHTS DRIVER J WING	0.1			44	20/1	SPARE	0		
45	20/1	SPARE		0		46	20/1	SPARE		0	
47	20/1	SPARE			0	48	20/1	SPARE			0
49	20/1	SPARE	0			50	20/1	SPARE	0		
51	20/1	SPARE		0		52	20/1	SPARE		0	
53	20/1	SPARE			0	54	20/1	SPARE			0
55	20/1	SPARE	0			56	20/1	SPARE	0		
57	/1	SPACE		0		58	/1	SPACE		0	
59	/1	SPACE			0	60	/1	SPACE			0
61	/1	SPACE	0			62	/1	SPACE	0		
63	/1	SPACE		0		64	/1	SPACE		0	
65	/1	SPACE			0	66	/1	SPACE			0
67	/1	SPACE	0			68	/1	SPACE	0		
69	/1	SPACE		0		70	/1	SPACE		0	
71	/1	SPACE			0	72	/1	SPACE			0
73	/1	SPACE	0			74	/1	SPACE	0		
75	/1	SPACE		0		76	/1	SPACE		0	
77	/1	SPACE			0	78	/1	SPACE			0
79	/1	SPACE	0			80	/1	SPACE	0		
81	/1	SPACE		0		82	/1	SPACE		0	
83	/1	SPACE			0	84	/1	SPACE			0
								TOTAL CONNECTED KVA BY PHASE	4.96	1.82	2.32

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	1.96	2.45	(125%)	CONTINUOUS	1.44	1.8	(125%)
LARGEST MOTOR	0.2	0.25	(125%)	HEATING	0	0	(100%)
OTHER MOTORS	0.1	0.1	(100%)	NONCONTINUOUS	0	0	(100%)
RECEPTACLES	5.4	5.4	(50%>10)	KITCHEN EQUIP	0	0	(N/A)
CONTINUOUS	0	0	(0%)	NONCOIN/DIVERSE	0	0	(N/A)
CONTINUOUS	0	0	(0%)	TOTAL KVA	9.1	10	

CRITICAL BRANCH — BALANCED THREE PHASE AMPS 27.7

FAITH TECHNOLOGIES
ELECTRICAL CONTRACTOR
2662 American Drive, P.O. Box 627
Appleton, WI 54912-0627
(920) 225-6500 office
www.faithtechnologies.com

Oneida Resident-Centered Care Community
2907 SOUTH OVERLAND ROAD
Oneida, WI

SCHEDULES AND LEGENDS

DATE:	NO:	REVISIONS:
09/27/2011	0	ISSUED FOR PLAN REVIEW
04/04/2012	1	ISSUED FOR CONSTRUCTION
02/06/2013	2	AS-BUILT

PROJECT NUMBER
233588

DRAWN BY: JAM
CHECKED BY: RWK
APPROVED BY: ED
DATE: 09/27/2011
SCALE: NONE

SHEET
E-808

Oneida Nation - Engineering Department

Proposal Form

OCHC Satellite Pharmacy #16-013

Proposal Submission Date: **Before 3:30 PM on July 21, 2017**

Email the completed Proposal Form (as a PDF File) to:

To: Paul Witek, Senior Tribal Architect
pwitek@oneidanation.org

Fawn Cottrell, Contract Processor
fcottrel@oneidanation.org

Submitted by:

Company Name: _____

Full Address: _____

_____

Telephone: _____

E-Mail Address: _____

Oneida Nation - Engineering Department

Proposal Form

OCHC Satellite Pharmacy #16-013

1.	Identify the makeup of the firms on the team that will be utilized on this project, including any consultants or subcontractors that will be included as part of the team (*attach additional sheets if necessary*).

Firm Name:	Description of services provided:
	Architectural Design
	General Construction/Design-Builder
	Fire Protection Design-Build
	Plumbing Design-Build
	HVAC Design-Build
	Electrical Design-Build

2.	Has your firm previously completed a construction contract for the Oneida Nation? (Yes or No).

If Yes, List projects and year completed (*attach additional sheets if necessary).*

3.	Denote examples of past commissions of the type and scale to the present project. (*attach additional sheets if necessary*).
	Completed by the Design-Build Team.

Specifically identify pharmacy projects.

Oneida Nation - Engineering Department

Proposal Form

OCHC Satellite Pharmacy #16-013

4.	Identify the following relative to the Oneida Indian Preference Law (*attach additional sheets if necessary*):
a.	1. Denote the total numbers of management and design employees that will be assigned to this project under the contract (including consultant employees) and identify their title. Under Tribal affiliation indicate employees proposed to be assigned to the contract that are: enrolled members of the Oneida Nation, First generation descendants of an enrolled member of the Oneida Nation, or enrolled members of other federally-recognized Indian tribes. 2. IDENTIFY ALL MEMBERS OF THE MANGEMENT AND DESIGN STAFF WHETHER TRIBAL OR NON-TRIBAL. Do not include construction field personnel, other than Project Manager and Superintendent. 3. Attach a copy of Tribal Id's for any individuals denoted below with a tribal affiliation.

Number of Positions assigned:	Firm Name & Position Title:	Tribal Affiliation (include person name if tribal):
Examples: 1 2 1 1 1	*Examples:* ABC Architects - Project Architect ABC Architects - Architectural Drafter DEF Engineers – Structural Engineer GHI Contractors – Project Manager GHI Contractors – Superintendent	*Examples:* Joe Native – Oneida Non-tribal Sue American – Menominee Non-tribal Fred Sun - Oneida
?	TOTAL number of employees assigned under this contract (as noted above).	

Oneida Nation - Engineering Department

Proposal Form

OCHC Satellite Pharmacy #16-013

b.	1. All firms proposed to be utilized on the contract that is: certified as an Indian-owned Business by the Oneida Indian Preference Department. Fill in the table below to include: all firms included in your proposal, general title of their scope of work, and what percentage of the total scope that firm will be responsible for completing.			
Firm Name:		Certified Indian-Owned (yes or no):	Scope of Work	Percentage of Work
Examples: ABC Architects DEF Company GHI Contractors		*Examples:* No Yes No	*Examples:* Architectural Design HVAC Design & Construction General Construction	*Examples:* 5% 10% 85%

5.	Identify professional references (name, address, phone number).	

Oneida Nation - Engineering Department

Proposal Form

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6.	Identify the firm's Guaranteed Maximum Price (GMP) value:		
Division 01	General Requirements		$
Division 02	Existing Conditions		$
Division 03	Concrete		$
Division 04	Masonry		$
Division 05	Metals		$
Division 06	Wood, Plastics, and Composites		$
Division 07	Thermal and Moisture Protection		$
Division 08	Openings		$
Division 09	Finishes		$
Division 10	Specialties		$
Division 11	Equipment		$
Division 12	Furnishings		$
Division 21	Fire Suppression		$
Division 22	Plumbing		$
Division 23	Heating, Ventilating, and Air Conditioning		$
Division 25	Integrated Automation		$
Division 26	Electrical		$
Division 27	Communications		$
Division 28	Electronic Safety and Security		$
	GMP Contingency		$
	Design-Builder Fee	%	$
	Total GMP:		$

_____ _____

(Signature - Authorized signing officer) Date

_____

(Printed Name and Title)