Donald L. Welch Architect

March 20, 2017

Salt Lake County Planning & Development 2001 South State Street Salt Lake City, Utah 84190

RE: Brighton Recovery Campus Plan Review Comment Responses Building 'F' 4953 South 900 East Salt Lake County, Utah

CODE REVIEW COMMENT-No. 2 RESPONSES:

- A2. Sheet A1.1
 - E. Please refer to Sheet A1.1, clouded notes, and Sheet A8.1, for new one hour fire rated wall assembly at existing walls located adjacent to other existing buildings, existing building roof overhangs, and existing breezeway roof structures.

A3. Sheet A2.1

- C. Accessible Type Sleeping Units:
 - I. Please refer to Sheet A2.6 and A2.6A for required turning spaces in all rooms.
 - II. Please refer to Sheet A2.6, A2.6A, and A4.5 for depth clearances within closets of ADA sleeping units.
 - II. Resolved.
 - III. Please refer to sheet A8.2 for mounting height notes, details & reach ranges.
 - IV. Resolved
 - V. Please refer to sheets A8.2, for mounting height notes, details, and reach ranges.
 - VI. Resolved.

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- D. Type B Sleeping Units:
 - Please refer to Sheet A8.2 for mounting height notes, details, and reach ranges, for switches and receptacles.
 - a. Please refer to sheet A8.2 for switches and outlets located over counters.

A6. Sheet A2.6 & A2.6A: refer to sheet A8.1 for construction details at roof access ladder & opening to attic space at roof. There is no roof hatch. Only a $\frac{3}{4}$ " plywood platform leading from the access ladder to the existing opening in the mechanical roof well.

A7. Resolved

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A8. Please refer to Sheet A8.1 for typical interior wall details, identifying how the interior walls are being constructed and connected at the floor and ceiling.

A9. Resolved.

A11. Sheet A4.7 (should be A4.6):

A. I., II. & III. Please refer to sheet A4.6, enlarged kitchen floor plans, for work surface location, notes and dimensions, and clear floor space requirements for the work surface, and accessibility, and knee and toe space requirements for the kitchen sink and other appliances.

IV. Resolved.

V. Please refer to sheet A4.6, enlarged kitchen floor plan, for kitchen notes clarifying oven and cooktop control requirements.

Mechanical Review Comments:

Resolved.

Plumbing Review Comments:

Resolved

Electrical Review Comments:

Please refer to Electrical drawings, dated February 24, 2017, for information concerning Electrical review comments.

Energy Review Comments:

N1 & N2: Please refer to RESCheck, attached to the end of the Mechanical/Plumbing pdf files, for extent of thermal envelope and corresponding R-values, and the energy compliance.

Structural Comments:

General:

S1. Sheets D2.1 and D3.1:

Resolved

Thank you. 1. Juli

Donald L. Welch Architect

> 7533 SANDY LAND LANE MIDVALE, UTAH 84047 2



Project Number: L0133-001-171

March 6, 2017

Brighton Land Holdings 1275 East Fort Union Blvd. Ste 210 Cottonwood Heights, UT 84047

ATTENTION: Thomas Godfrey

REFERENCE: Brighton Recovery Campus, Building F (4953 S 900 E, SLC, UT) Interior Demolition

Mr. Godfrey:

Per your request, we have reviewed the architectural drawings for the above-referenced project. We also visited the above-referenced site on December 20, 2016. Please be advised as follows:

From our observation, the roof structure appeared to be manufactured wood roof trusses, bearing at the exterior perimeter walls and/or exterior overhang beams. In addition, there is an interior beam running the length of the building, supporting the roof trusses at or near their mid-span. See the attached "Demolition Plan," for approximate location of existing beams and posts. Interior partitions are non-bearing non-shear walls and can, therefore, be removed without adversely affecting the structure.

We hope this meets your needs. If you have any further questions regarding this matter, please call this office at your convenience.

Very truly yours, VECTOR STRUCTURAL ENGINEERS



David H. Fotheringham, S.E. Principal

Enclosure



PROJECT: **Tenant Finish for New Brighton Recovery Campu**



BUILDING 'F' 4953 S Section 310.6 Residential Group R-4 Residential Group R-4 occupancy shall include buildings, structures or portions thereof for more than five but not more than 16 persons, excluding staff, who reside on a 24 hour basis in a supervised residential environment and receive custodial care. Buildings of Group R-4 shall be classified as one of the occupancy conditions specified in Section 310.6.1 or 310.6.2. this group shall include, but not limited to, the following: MATERIALS / LEGEND Alcohol and drug centers Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3, except as otherwise provided for in this code. CONCRETE MASONRY UNIT Section 420 Groups I-1, R-1, R-2, R-3, and R-4 V//////// BRICK VENEER 420.2 Separation Walls. STONE VENEER Walls separating dwelling units in the same building, walls separating sleeping units in the same 4 4 CONCRETE building, and walls separating dwelling or sleeping units from other occupancies contiguous to them in the same building shall be constructed as fire partitions in accordance with Section 708. GYPSUM BOARD O GROUT MORTAR Section 708 Fire Partitions 88888888 BATT INSULATION RIGID INSULATION Separation walls as required by Section 420.2 for Groups I-1, R-1, R-2, and R-3. PLYWOOD 708.3 Fire-resistance rating \geq ROUGH WOOD-CONTINUOUS Fire partitions shall have a fire-resistance rating of not less than 1 hour. ROUGH WOOD-BLOCKING Dwelling unit and sleeping unit separations in buildings of Type IIB, Type IIIB, and Type VB WOOD TRIM construction, shall have fire resistance ratings of not less than ½ hour in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. STEEL GRAVEL 708.4 Continuity XXXX EARTH The supporting construction shall be protected to afford the required fire-resistance rating of the wall TILE supported, except for walls separating tenant spaces in covered and open mall buildings, walls separating dwelling units, walls separating sleeping units and corridor walls, in buildings of Type IIB, IIIB, and VB construction.

6. Fireblocking or draftstopping is not required at the partition line in buildings, equipped with an automatic sprinkler system installed throughout in accordance with Section 9033.3.1.1 or 903.3.1.2, provided that automatic sprinklers are installed in combustible floor/ceiling and roof/ceiling spaces.

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SPECIFICATIONS AND GENERAL NOTES **DIVISION 1 - GENERAL REQUIREMENTS** 01010 - SUMMARY OF WORK PART I - GENERAL

A. The Architect considers these plans to be generally accu- rate, reliable, and free of defect, but does not guarantee their absolute accuracy to the last detail; ac- cordingly, the contractor shall verify all dimensions and conditions before starting work, and shall immediately notify the Architect and/or Engineers of any omissions, discrepancies, or errors found.

B. In the event any conflicting items should occur in the drawings, general notes, specifications, building codes, or soils report, that condition or requirement which is the most stringent shall govern.

C. Any construction technique, process, or specialty not specifically dealt with in these plans shall be in ac- cordance with the minimum requirements set forth in the 2015 edition of the International Building Code, 2015 International Existing Building Code, any applicable local municipal code, or manufacturer's or trade association's recommendations; the most stringent shall govern.

D. Any proposed modifications or changes to these plans are subject to review by the Architect. The Architect shall NOT BE RESPONSIBLE FOR ANY CHANGES made without his knowledge and written approval.

E. The contractor shall abide by the requirements set forth in the "General Conditions of the Contract for Construction",

A.I.A. Document A-201, dated 2012.

F. ALL MATERIALS MENTIONED HEREIN MAY NOT BE USED IN EVERY BUILDING (coordinate with drawings).

G. Any "or equal" note shall mean "if approved by the Designer in advance.

H. For all applicable Specification Sections: Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver. handle, and store materials in accordance with manufacturer's instructions.

DIVISION 2 - SITEWORK

02010 - SUBSURFACE INVESTIGATION PART I - GENERAL

-NOT APPLICABLE

SECTION 02419 - SELECTIVE DEMOLITION PART 1 GENERAL

1.1 SECTION INCLUDES

A Selective Site Demolition

A. Selective Site Del	nontion.
1. Demolition	of designated site improvements
including paving, structures.	curbing, site walls, and utility
2. Demolition	of below-grade foundations and site

depth to avoid conflict with new improvements to construction or site work. 3. Removal of hollow items or items which could

collapse.	
4.	Salvage of designated items.
5.	Protection of site work and adjacent structures.
6.	Disconnection, capping, and removal of utilities.
7.	Pollution control during building demolition,
ncluding noise	control.
8.	Removal and legal disposal of materials.
9.	Designated site improvements and adjacent

construction 10. Interruption, capping or removal of utilities as applicable

B Selective Building Demolition

	D. 00	100	
		1.	Selective demolition of interior partitions, systems,
a	and building		components designated to be removed.
		2.	Selective demolition of exterior facade, structures,
â	and		components designated to be
r	emoved.		
		3.	Protection of portions of building adjacent to or
â	affected by		selective demolition.
		4.	Removal of abandoned utilities and wiring
ę	systems.		
	•	5.	Notification to Owner of schedule of shut-off of
ι	utilities which	۱	serve occupied spaces.

6. Pollution control during selective demolition, including noise 7. Removal and legal disposal of materials. 8. Protection of designated site improvements and adjacent construction.

9. Salvage of designated items. 10. Interruption, capping or removal of utilities as applicable

C. Hazardous Materials:

- Not present. 2. Removed under separate prior contract.
- 3. Removed as a part of this contract.

1.2 QUALITY ASSURANCE A. Codes and Regulations: Comply with governing codes Use experienced workers. and regulations.

1.3 SEQUENCING A. Immediate areas of work will not be occupied during selective demolition. The public, including

children, may occupy adjacent areas B. No responsibility for buildings and structures to be demolished will be assumed by the Owner. C. Ensure that products of this section are supplied to

affected trades in time to prevent interruption of construction progress. PART 3 EXECUTION

3.1 SELECTIVE DEMOLITION

A. Demolition Operations: Do not damage building improvements indicated to elements and remain. Items of salvage value, not included on schedule of salvage items to be returned to Owner, shall be removed from structure. Storage or sale of items at project site

prohibited. B. Utilities: Locate, identify, disconnect, and seal or cap off buildings to be demolished. utilities ir

C. Shoring and Bracing: Provide and maintain interior and exterior shoring and bracing. D. Occupied Spaces: Do not close or obstruct streets,

other occupied or used spaces or walks. drives or facilities without the written permission of the Owner and the authorities having jurisdiction. Do no interrupt utilities serving occupied or used facilities without the

written permission of the Owner and authorities having jurisdiction. If necessary, provide temporary utilities. E. Operations: Cease operations if public safety or remaining structures are endangered. Perform temporary corrective measures until

operations can be continued properly. F. Security: Provide adequate protection against accidental trespassing. Secure project after work hours.

G. Restoration: Restore finishes of patched areas. 3.2 SCHEDULE A. Items to be Salvaged for Delivery to Owner:

1. Doors and hardware.

D. Utilities Requiring Interruption, Capping, or Removal: 1. Electric.

2. Heat. 3. Water. 4. Gas.

5. Sewerage

02730 - SANITARY SEWERAGE **PART I - GENERAL**

A. The contractor and plumber shall check actual sewer depth PRIOR to foundation excavation. If sewer depth is inadequately shallow for construction according to plans, the contractor shall notify the Architect in writing, and obtain Architect's response before proceeding with excavation work.

DIVISION 3 - CONCRETE

03300 - CAST-IN-PLACE CONCRETE PART I - GENERAL

- A. If requested, submit concrete mix designs to general contractor for approval prior to any pours.
- B. Concrete compressive strength of all footings, stem walls, crawlspace foundation walls, and interior slabs-on-grade shall be equal to at least 2500 psi within 28 days after pouring; whereas full basement walls and retain-
- ing walls shall attain a compressive strength of at least 3000 psi. Minimum strength for exterior flatwork shall be 2500 psi, but 3000 psi is recommended.

PART II - PRODUCTS

- A. Cement shall be gray Portland Type II. low alkaline. Slump shall be 3 to 4 maximum for stem walls and footings, 4 to 5 maximum for walls, and slabs-on-grade, including interior slabs-on-grade, self-supporting slabs, exterior concrete porches, driveways and sidewalks.
- B. Continuous footings shall be 10" deep x 20" wide, w/ (2) #4 bars x cont., and #4 J-bar dowels at 24" o.c. (unless noted otherwise on drawings). C. Foundation walls shall be 8" wide (typical unless otherwise
- noted on drawings).
- D. All foundation walls shall be reinforced with #4 bars @ 24" o.c. horizontally & vertically, with every other vertical bar tied to footing dowel (unless noted otherwise on drawings).
- E. Fly ash content shall not exceed 15% in any mix design. F. All metal reinforcing bars shall be ASTM A-615 grade 60 (Fy=60 ksi).
- G. Welded wire fabric/mesh shall comply with ASTM A 185. H. Where 6" x 6" welded wire mesh is recommended, slabs
- shall be 4" thick and have "chairs" @ 3'-0" o.c. each way to hold mesh 1" minimum above bottom of slab.

PART III - EXECUTION

- A. All concrete work shall comply with A.C.I. Standard Specification for Structural Concrete for Buildings (A.C.I. 301-72; revised 1981).
- B. All walls shall be shored prior to backfilling.
- C. Maximum spacing of horizontal bars in stem walls shall be 12" o.c. D. All reinforcing bars shall be anchored and spaced from
- the forms (unless otherwise noted) as follows: 3/4" in protected walls and suspended slabs, 2" in unprotected walls, and 3" above bottom of footings.
- E. All splices in continuous reinforcing bars are to be lapped a minimum of 40 bar diameters.
- -. Horizontal reinforcing shall run continuous around foundation wall corners, or shall be tied to corner rebar dowels
- G. All lumber in contact with concrete to be pressure treated lumber or redwood. See 06 610 - Rough Carpentry.

DIVISION 5 - METALS

05120 - STRUCTURAL STEEL

- PART I GENERAL See DIVISION 1 A. All structural steel shall conform to ASTM a-36, Fy = 36 ksi, and anchor bolts shall conform to
- ASTM A-307.

05500 - METAL FABRICATIONS

PART I - GENERAL

PART II - PRODUCTS

- A. Materials: 1. Steel plates, shapes, and bars: ASTM A 36. 2. Steel bar grating: ASTM A569. 3. Bolts: ASTM A 325.
 - 4. Fasteners: Zinc coated fasteners designed for loading and use.

See DIVISION 1

PART III - EXECUTION

A. Take field measurements prior to fabrication. Do not
delay job; allow for cutting and fitting if
field measurement not practical.
B. Form work true to line with sharp angles and
edges. Weld continuously, grind flush and make smooth
on exposed surfaces.
C. Lintels: Provide sizes indicated with 8" bearing each end.

PART I - GENERAL

PART II - PRODUCTS

DIVISION 6 - WOOD AND PLASTICS

- 06100 ROUGH CARPENTRY
- PART I GENERAL See DIVISION 1
- A. All lumber shall conform to PS20-70 (the American Lumber Standard) and be graded by the latest edition of the WWPA. Each piece of lumber shall bear an
- official grade stamp and trademark. B. Assumed floor and roof loads (verify with local jurisdiction and coordinate w/ Struct. Drawings and notes.

PART II - PRODUCTS

- A. Unless otherwise noted in structural drawings, all structural members shall be of Douglas Fir No. 2
- grade or better. B. Timber in contact with concrete shall be redwood
- or pressure treated fir. C. Exposed wood columns and timbers shall be Douglas Fir Larch, Construction Grade, and "Free of Heart Center", with edges lightly eased. Concealed columns and timbers may be Douglas Fir Larch No. 1 (Fb=1200 psi, Fv=85, and
- E = 1,600,000 psi, minimum D. Framing anchors shall be "Simpson Strong-Tie", "Teco", or
 - "Silver Metal Products, Inc.". Provide Simpson connectors at locations as required or where indicated on on framing drawings. Use "Simpson Ornamental Connectors" or equal, at front entry porch posts and beams
- (unless otherwise directed by Owner). E. All headers shall be (2) 2 x 12's minimum, unless
- otherwise noted. F. Provide cross bridging at midspan for all spans over 8'-0", and at one-third points for spans over 16'-0"
- (bridging not required with TJI floor system, unless noted otherwise. G. Provide and install tie-down clips as per code on each truss, alternate ends.
- H. Provide diagonal bracing at all truss gable ends.
- I. Bearing walls supporting two floors shall be 2 x 6 studs @ 16" o.c. anchored as noted in structural notes. Non-bearing interior walls shall be 2 x 4 studs @ 16" o.c. J. Interior (non-bearing) prefabricated "Marbeline columns to be as directed, selected and approved by Owner & Designer. PART III - EXECUTION
- A. All built-up beams and typical headers shall be nailed together with 16d nails at each end, and construction adhesive between members. Typical headers shall, in addition, contain a single solid layer of 1/2" CDX plywood between members.
- B. Crown all framing members. C. Provide solid fire blocking at floor and roof lines for
- fireplace chase. D. Double framing members shall be provided directly
- below roof-mounted equipment plates, hangers for heavy equipment, and hangers for any and all piping 4" in diameter or larger, unless otherwise detailed. E. Double joists under all parallel partitions.
- F. All wood stud bearing walls over 10'-0" high shall have horizontal herringbone bridging, not less than 2" nominal thickness x same width as studs, fitted tight and spiked to studs. Bridging shall be at mid-height of partition. or not more than 7'-0" o.c. in any situation. For walls
 - over 10'-0" in height studs shall be minimum 2 x 6 studs at 16" o.c. with horizontal herringbone bridging of same dimension, fitted tight and spiked to studs. Bridging shall be spaced at one-third points.
- G. Provide solid blocking at all bearing walls, midheight H. Cross bridging or bracing shall be provided at all floor and roof joist locations where the span exceeds 8'-0" clear. Span locations that exceed 16'-0" clear shall
- receive bridging at one-third points. Bridging shall be Simpson Strong-Tie (or equal) Nailess Metal Bridging, min. 16 gauge steel with "V" section, or solid bridging not less than one size smaller than joist. I. Minimum nailing of lumber members shall be installed
 - in accordance with U.B.C. tables or other applicable local building codes
- J. Bearing walls shall have double top plates with joints
 - lapped a minimum of 48", and fastened together with a minimum of (10) 16d nails each side of lap; nails shall be driven in pairs at a maximum spacing of 12" o.c.
- K. Provide bracing at all corners and at every 25', minimum, along all exterior walls unless otherwise noted on structural plans. Braced area shall be not less than 25% of total exterior wall area. L. Wood Treatment: Preservative treatment: Pressure
 - treated with waterborne preservatives, to comply with AWPB LP-2 for above-ground items. Kiln dry after treatment to 19% max. moisture content for lumber and 15% for plywood. Treat above-ground wood exposed to deterioration by moisture and all wood in contact with the ground or fresh water.
- 06112 PLYWOOD AND DIAPHRAGMS See DIVISION 1
- A. Unless otherwise noted in structural drawings, Roof sheathing shall be 5/8" waferboard sheathing or 5/8" CDX plywood with exterior glue, bearing a 42/20 span index. "Simpson Strong-Tie" plywood sheathing clips shall be installed at midspan at all locations where spacing of trusses exceeds 24" o.c. Fasten plywood at edges with 8d commons at 6" o.c., or 14 gauge 1 1/2" staples. Fasten field of panels with 8d commons at 12" o.c., or
- 14 gauge 1 1/2" staples. B. Floor sheathing shall be 3/4" C.D.X. T & G plywood or waferboard with exterior glue, bearing a 42/20 span index, minimum. Fasten with 10d ring shank nails at 6" o.c. at edges and boundary, and 10" o.c. in field, or use 16 gauge 1 5/8"
- x 7/16" staples at 2 1/2" o.c. at edges and 4" o.c. in field. C. Structural shear panels at exterior and interior walls shall be 1/2" C.D.X. plywood or waferboard 24/0 nailed same as roof sheathing above. Solid block above shear panels,
- and nail through sheathing with (4) 8d nails and toenail with (3) 16d nails minimum. D. Non-structural shear panels at walls may be 1/2" celotex.
- E. Provide metal hurricane ties at each rafter or truss. PART III - EXECUTION
- A. All sheathing shall be installed with joints staggered, and face grain running perpendicular to framing direction, with a two-span minimum.

06190 - PREFABRICATED WOOD TRUSSES

PART I - GENERAL See DIVISION 1

THIS SECTION PERTAINS TO ANY EXISTING WOOD TRUSSES THAT MAY BE NECESSARY TO BE REPLACED-FIELD VERIFY AND INSPECT ALL EXISTING ROOF TRUSSES

SECTION 07320

CLAY ROOF TILE

PART 1 GENERAL

1.1 SECTION INCLUDES

B. Underlayment.

1.5 QUALITY ASSURANCE

intact until ready for installation.

1.8 PROJECT CONDITIONS

installation of products.

1.7 SEQUENCING

absolute limits.

1.9 WARRANTY

1.10 EXTRA MATERIALS

PART 2 PRODUCTS

2.1 MANUFACTURERS

2.2 CLAY ROOF TILE

100 percent recyclable.

RC-21.

Type I.

A. Clav Tile General:

and ASTM E 108 (UL790), Class A.

O.C.

2.3 ACCESSORY MATERIALS

B. Underlayment:

corrosion-resistant nails.

E. Flashings:

corrosion-resistant metal.

recommended by the manufacturer

adhesive suitable to bond to clay roof tile.

for metal and concrete roofing decks.

2. Sand: ASTM C 144.

profile and color.

A. Substrate Materials:

through thickness of deck or batten

D. Rake and Gable End:

specified in other sections of the specification.

galvanized sheet) corrosion resistant metal flashing.

if required and determined necessary.

C. Related roof accessories

installing products specified in this section and/or supervision by a

labeled with data indicating compliance with specified requirements.

A. 50-Year Limited Warranty is available on all MCA Tiles.

C. Maintain dry storage area for products of this section until

manufacturers authorized installation representative.

1.6 DELIVERY, STORAGE, AND HANDLING

to prevent interruption of construction progress.

at not greater than 12 inches (305 mm) in height.

than one full square, for Owner's use in roof maintenance.

951-736-9590 ; Fax: 951-736-6052; Email: request info

provisions of Section 01 60 00 - Product Requirements.

3. Cool Roof and Energy Star rated.

4. Weight per square: 788 lbs (38 kg/m2).

. Weight per piece: 10.5 lbs (4.8 kg)

sufficient height to satisfy project conditions, not bowed or twisted.

1. Ribbed Valley Metal, minimum 0.016-inch (26 gauge

2. Other Flashing: At the juncture of the roof and vertical

surfaces, flashing and counter-flashing shall be provided per roofing

1. Cement Mortar: ASTM C 270, Type M

3. Portland cement: ASTM C 150, Type 1.

4. Plastic cement: ASTM D 2822.

5. Silicone sealant: ASTM D 1002.

(sales@mca-tile.com); Web: www.mca-tile.com

B. Substitutions: As approved

Class A fire rated

storage and identified with labels clearly describing contents.

in time to prevent interruption of construction progress.

- A. Provide prefabricated and pre-engineered wood trusses.
- B. Comply with recommendations of TPI Design Specifications for Metal Plate Connected Wood Trusses.

PART II - PRODUCTS

- A. Trusses: Standard dimensional lumber connected by metal plates.
- B. Wood: Softwood meeting stress rating and design requirements. C. Metal Plates: Galvanized sheet steel, ASTM A 446, Grade A,
- coating G60.
- D. Accessories: Wind anchors and bracing.

06200 - FINISH CARPENTRY AND MILLWORK PART I - GENERAL See DIVISION 1

- A. Provide finish carpentry for exterior items exposed to view: 1. Running and standing trim and moldings.
- Door frames
- Decorative elements
- B. Provide finish carpentry for interior items exposed to view: 1. Running and standing trim and mouldings, door and window casing, paneling, wood shelving and closet
- accessories, wood stair treads, rails and balusters, wood valences, decorative elements, and fireplace mantel. C. Provide custom millwork with ship finish:
- 1. Wood casework and cabinets, plastic laminate casework and countertops. Quality standard for fabrication and products: Architectural Woodwork Institute Quality
- Standards, Premium grade unless noted otherwise. PART II - PRODUCTS
- A. Exterior finish carpentry: 1. Trim and boards for transparent finish: N.A. 2. Trim and boards for painted finish: Clear pine or
- fir, or other softwood suitable for exposure and use B. Interior finish carpentry and millwork:
 - 1. Trim and boards for transparent finish: N.A. 2. Trim and boards for opaque finish: Softwood suitable for exposure and use. Base and door casing shall be 3" colonial profile (coordinate with Owner). Profile to be approved by Owner.
 - 3. Plastic Laminate: NEMA LD-3, 0.050" thick horizontal grade. At counters, adhere to 3/4" particle substrate
 - 4. Wood shelving and closet accessories. 5. Wood stair treads, risers, stringers (including circular stair-to be designed by stair manuf. as directed by home Designer), rails and balusters.
- 6. Fireplace mantels as directed by Owner and Designer C. Shelving and closets: . Service and closet shelving: Melamine with round nosing.
- 2. Wall brackets: Knape and Vogt or approved equal. 3. Closet bars: Telescoping steel with chrome finish.
- PART III EXECUTION
- A. Provide work to sizes, shapes, and profiles indicated. Install work to comply with quality standards referenced. Back prime work and install plumb, level and straight with
- tight joints; scribe work to fit.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07196 - NON WOVEN AIR RETARDERS

- PART I GENERAL See DIVISION 1
- A. Furnish and install air retarder on the exterior
- side of exterior wall sheathing.
- PART II PRODUCTS
- A. Approved Manufacturers: 1. Barracade by Simplex Products Division, Adrian, MI. 2. Rufcowrap by Raven Industries, Sioux Falls. SD. 3. Tyvek Housewrap by DuPont Company, Wilmington, DE.
- PART III EXECUTION
- A. Install in accordance with manuf. instructions over exterior wall sheathing. Seal penetrations through air infiltration retarder immediately prior to installation of finish material.
- B. Vapor retarder is to be air tight and free from holes, tears,
 - and punctures. 1. At completion of air infiltration retarder installation, inspect exposed air infiltration retarder for holes. tears, and punctures and repair damaged areas.
- 07200 INSULATION

PART I - GENERAL

- See DIVISION 1
- A. Provide building insulation of blanket and loose-fill types
 - as applicable: 1. Roofs and attics (interior), fiberglass batt or
 - loose fill type insulation.
 - 2. Exterior stud walls, fiberglass, mineral fiber batt or loose fill type insulation
 - 3. Soffits (where occurs at structural overhang),
- floors of living spaces above garage & crawlspace. B. Provide vapor barrier at building perimeter.
- C. Use experienced installers.

PART II - PRODUCTS

PART III - EXECUTION

- A. Blanket/batt type insulation: Unfaced, 4 mil visqueen (vapor barrier), glass fiber blanket insulation types; Owens Corning
- Fiberglass Corp. or approved equal (ALTERNATE:
- Loose fill type insulation). 1. Roof:
- a. 12" fiberglass batt, R-38 (or loose fill type
- insul.), 4 mil visqueen.
- 2. Exterior stud walls and floors over crawlspace, garage, or overhang:
- a. 6" fiberglass batt, R-19 (or loose fill type insul.),
- 4 mil visqueen; 3 1/2" fiberglass batt, R-11 (min.) @ basement fndn. walls (Coord. w/ Owner).
- B. Alternate loose fill type insulation: Loose, granular perlite or vermiculite.

manufacturer's instructions and approved submittals

Install materials and systems in proper relation with

other sections. Provide full thickness in one layer over

exterior walls and elsewhere as indicated. Seal all seams

adjacent construction. Coordinate with work of

and around perimeter and penetrations with duct tape to form a continuous vapor barrier free of holes.

great care to provide uniform coverage at correct

density and thickness to obtain specified R-value.

entire area, tightly fitting around penetrations.

C. Vapor barrier: 4 mil clear polyethylene sheet.

A. Install materials and systems in accordance with

B. Install vapor barrier over entire area of inside face of

C. Protect installed insulation and vapor barrier.

D. Blow loose insulation into required areas; take



sheet

A0

DIVISION 8 - DOORS AND WINDOWS 08210 - WOOD AND METAL DOORS

PART I - GENERAL See DIVISION 1

PART II - PRODUCTS

A. Exterior Doors:

- 1. Solid core flush wood (oak veneer) door (w/ insul. glass) at entrie - coord, w/ Architect) with AWI PC-7 particleboard core for exterior use; AWI premium grade. a. Face for transparent finish: Rift cut red oak
- veneer, book matched for transparent finish. End match transoms (coord. w/ Owner & Architect)
- b. Face for painted finish: Birch veneer. 2. Metal doors shall be of insulated hollow core
- construction with surfaces not less than the equivalent of 16 gauge (0.06") sheet metal in thickness. Fire rated at garage/house opening.
- B. Interior Doors:
 - 1. Solid core flush panel masonite doors for interior
- use with sealed finish and applied molding. C. Shop Finish: Sand and provide first coat of finish
- system specified in painting section. Wrap and protect.
- D. NOT USED.
- E. All door hardware shall be as noted on hardware schedule

and notes. Finish as noted.

PART III - EXECUTION

- A. All pin-type hinges which are accessible from outside the secured area when the door is in the closed position
- shall have non-removeable hinge pins.
- B. Top and bottom hinges shall have 1/4" steel jamb studs which project a minimum of 1/4".
- C. Deadbolts shall be hardened steel, or shall contain hardened
- inserts
- D. Straight deadbolts shall have a minimum throw of
- 1" and an embedment of not less than 5/8". E. A hook-shaped or expanding lug-type deadbolt shall
- have a minimum throw of 3/4".
- F. Sliding doors and windows shall have a locking device, and shall be constructed and installed, or equipped, with a device to prohibit the raising and removing of the active panel from the track while unit is in the closed position.
- G. Strike plates shall be secured to the jamb with a
- minimum of (2) screws no less than 1 1/2" long. H. Upward-acting doors shall be secured with either a cylinder lock, a padlock with hardened steel shackle and hasp, a
- metal slide bar or bolt, or any equivalent device. I. Prefit doors to frames. Factory bevel doors. Adjust,
- clean, and protect from damage. J. Install doors with not more than 1/8" clearance
- at top and sides, 1/2" at bottom.

08813 - GLASS AND GLAZING

PART I - GENERAL See DIVISION 1

- A. Provide mirrors in bathrooms (coordinate with Owner): all glass in doors and shower enclosures and within 5'-0" of bathtub, and glass within 24" of floor
- or swinging doors shall be tempered.
- B. Mount mirror against gypsum board with suitable construction mastic.

PART II - PRODUCTS

- A. Glass and Mirrors: meet requirements of ASTM C 1036-85, "Specification for Flat Glass".
- 1. Type I, Class 1-Clear.
- 2. Quality: q2 Mirror or q1 Mirror select.
- 3. Thickness: 0.16 inch minimum (Double Strength). 4. Size: Field Verify.

DIVISION 9 - FINISHES

09250 - GYPSUM DRYWALL

PART I - GENERAL See DIVISION 1

A. Tolerances: Not more than 1/16" difference in true plane at joints between adjacent boards before finishing. After finishing, joints shall not be visible. Not more than 1/8" in 10' (10 feet) deviation from true plane, plumb, level and proper relation to adjacent surfaces in finished work

PART II - PRODUCTS

- A. Gypsum board: 1. Interior use: ASTM C 36, 1/2" thick regular, water resistant, and fire resistant types as required; U.S. Gypsum, Gold Bond Div. National Gypsum, Domtar Gypsum or approved equal.
 - a. Provide waterproof gypsum board at all tubs and showers. b. Provide 5/8" type 'X' gypsum board at garage-side
 - surface of all walls and ceilings of attached garage which adjoin any living space, screwed 7" o.c. maximum. Firetape all joints. Smooth finish. Also Type 'X' gyp. bd. below all stairways.
- B. Fasteners: ASTM C 514 and ASTM C 646. Provide Type S bugle head screws at interior, cadmium plated
- at humid and exterior areas. Provide additional anchors and fasteners as required. C. Joint reinforcement: ASTM C 587 paper or fiberglass tape
- and ready-mixed vinyl compound. D. Accessories: Galvanized steel corner beads, casing beads,
- control joints; U.S. Gypsum 800 series as applicable.

PART III - EXECUTION

- A. Comply with ASTM C 840 and GA 216, "Recommended Specifications for the Application and Finishing of Gypsum Board". Fill wall cavities with insulation. Include blocking
- for accessories and similar items. B. Install boards vertically. Do not allow butt-to-butt
- joints and joints that do not fall over framing members.

09300 - TILE

- PART I GENERAL See DIVISION 1
- A. Provide and install ceramic and marble tile (coord. w/ Architect).
- B. Submit to Architect or Owner for approval samples, product data, mock-ups.
- C. DIVISION 1 GENERAL REQUIREMENTS.
- PART II PRODUCTS (coord. the following
- = tile with the Owner)
- A. Unglazed porcelain ceramic mosaic tile: 2" x 2" x 1/4" factory mounted, plain face, square edges except cushion edge at corner; Porcelain Ceramics by American
 - Olean or approved equal, price range 3,
 - color as selected by Owner: 1. Floor tile, with slip resistant finish.
 - 2. Counter top and bath tub tile (if applicable,
 - coordinate with drawings and Owner).
- B. Glazed wall tile: 4 1/4" x 4 1/4" x 5/16", plain with modified square edges, factory mounted; Bright Glazed Tile by
- American Olean or approved equal, color as selected by Owner
- C. Quarry Tile: 12" x 12" x 1/2", unglazed slip-resistant
- square edged tile; Dal Tile or approved equal, color as selected by Owner. D. Trim: Matching field tile color, size, texture; coved base.
- E. Setting Methods:
- 1. Floors or horizontal surfaces: Thick set latex
 - or Laticrete System as per manuf. recommendations.
 - 2. Walls: Thin set latex Portland cement mortar.
- 3. Grout: Colored latex Portland cement grout.

PART III - EXECUTION

- A. Comply with Tile Council of America and and ANSI Standard Specifications for Installation for substrate and installation required. Comply with manufacturer's
- instructions and recommendations.
- B. Lay tile in grid pattern with alignment grids. Layout to provide uniform joint widths and to minimize
- cutting; do not use less than 1/2 tile units.
- C. Provide sealant joints where recommended by
- TCA and approved by Designer.
- D. Grout and cure, clean and protect.

(If applicable - coordinate 09550 - WOOD FLOORING with Owner) PART I - GENERAL See DIVISION 1

- A. Provide finished wood flooring.
- 1. Wood strip flooring (coord. w/ Owner & Designer.
- B. Comply with recommendations of National Oak Flooring Manuf. Association and the American Parquet Association.
- C. DIVISION 1 GENERAL REQUIREMENTS.
- PART II PRODUCTS (coord. the following
- = tile with the Owner)
- A. Wood strip flooring: Select grade plain-sawn white oak, 25/32" thick; 2 1/4" face width with standard random lengths; tongue and groove edges; Bruce Hardwood Floors
- or approved equal. 1. Field finish: Sand to level using successively finer
- sandpaper. : Benjamin Moore Benwood Paste Wood Filler or approved equal. Stain: 1 coat Benjamin
- Moore Benwood Architectural Penetrating Stain
- or approved equal. Varnish: 3 coats Benjamin Moore Satin Finish Varnish or approved equal.
- B. Trim and accessories: Provide wood trim, saddles, nosing,
- thresholds matching wood flooring. PART III - EXECUTION

A. Comply with National Oak Flooring Manufacturer's Association

B. Restore damaged finishes. Clean and protect work from

damage.

Installation Manual. Provide adequate expansion space.

09650 - RESILIENT FLOORING

PART I - GENERAL

asbestos.

PART II - PRODUCTS

PART III - EXECUTION

work

E. Clean, polish, and protect.

A. Provide and install carpeting:

PART II - PRODUCTS

1. Tackless on pad:

a. Exceptions:

09680 - CARPET

A. Carpet:

B. Mounting:

C. Accessories

PART III - EXECUTION

sections

installation

SECTION 07320

CLAY ROOF TILE

PART 1 GENERAL

1.1 SECTION INCLUDES

B. Underlayment.

1.5 QUALITY ASSURANCE

intact until ready for installation.

1.8 PROJECT CONDITIONS

of products.

absolute limits.

1.9 WARRANTY

1.10 EXTRA MATERIALS

1.7 SEQUENCING

C. Related roof accessories.

manufacturers authorized installation representative.

PART I - GENERAL

A. Sheet Flooring:

- See DIVISION 1
- A. Provide resilient flooring and base.
- B. Submit for approval samples, product data, extra stock. C. DIVISION 1 - GENERAL REQUIREMENTS. D. Provide materials and adhesives which do not contain

 - (coord. the following tile with the Owner)
 - 1. Vinyl sheet flooring: 0.085" overall gage, 0.050" vinyl wear layer; Custom Corlon by Armstrong World Industries, or approved equal.
- A. Comply with manufacturer's instructions and
- recommendations. Install in proper relation to adjacent B. Prepare surfaces by cleaning, leveling and priming as required.
- Test adhesive for bond before general installation. Level to 1/8" in 10' tolerance. C. Sheet flooring: Install sheets with tight joints and
- pattern in adjoining areas running in the same direction. Layout to minimize seams as practical. D. Install accessories to minimize joints.

 - See DIVISION 1
 - 1. Carpet and pad for tackless installation.
- B. DIVISION 1 GENERAL REQUIREMENTS. C. Submit for approval samples, product data, warranty, maintenance data, extra stock, proposed seaming layout.
 - (coord. the following tile with the Owner)
 - 1. Manufacturer and Style: As approved by Owner. 2. Color: As selected by Owner.
 - a. As approved by Owner.
 - 1. Edge guard: Rubber or vinyl.
 - 1) At tile use bullnose tile. 2. Reducer strip: Vinyl or rubber.
- A. Comply with recommendations of Carpet and Rug Institute "Specifier's Handbook".
- B. Prepare surfaces and install materials in accordance with manufacturer's instructions and approved submittals. Clean, patch, and level substrate. Install materials in proper relation with adjacent construction and with
- uniform appearance. Coordinate with work of other C. Install edge guards and reducer strips as
 - required; clean and protect materials during and after
- A. Replacement of existing Clay roof tiles and roof system components if required and determined necessary.
- A. Manufacturer Qualifications: Minimum five years documented experience producing concrete roof tile and member of Tile Roof Institute. B. Installer Qualifications: Minimum five years documented experience installing products specified in this section and/or supervision by a
- 1.6 DELIVERY, STORAGE, AND HANDLING
- A. Store products in manufacturer's unopened packaging with labels B. Deliver products to project site in manufacturer's unopened pallets, labeled with data indicating compliance with specified requirements. C. Maintain dry storage area for products of this section until installation
- A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
- B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do
- not install products under environmental conditions outside manufacturer's B. Do not overload the roof. Distribute stacks of tile uniformly on roof at
- not greater than 12 inches (305 mm) in height.
- A. 50-Year Limited Warranty is available on all MCA Tiles.
- A. Provide an additional 1 percent of installed roof tiles, but not less than one full square, for Owner's use in roof maintenance. C. Furnish extra materials packaged with protective covering for storage and identified with labels clearly describing contents.
- PART 2 PRODUCTS 2.1 MANUFACTURERS A. Acceptable Manufacturer: MCA Clay Roof Tile, which is located at: 1985 Sampson Ave.; Corona, CA 92879; Toll Free Tel: 800-736-6221; Tel: 951-736-9590 ; Fax: 951-736-6052; Email: request info (sales@mca-tile.com); Web: www.mca-tile.com B. Substitutions: As approved C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements. 2.2 CLAY ROOF TILE A. Clav Tile General: . Made with up to 59 percent recycled raw materials and are 100 percent recyclable. 2. Class A fire rated. 3. Cool Roof and Energy Star rated. B. One Piece "S" Mission Roofing Tile: Type I, ASTM C 1167 Grade 1 and ASTM E 108 (UL790), Class A. 1. Complies with Uniform Evaluation Report IAPMO ES 0356 (covers City of Los Angeles and is in lieu of ICC-ES), Florida Building Code -FL1109-R. Miami-Dade County Approval 12-0320.32 and TDI Approval RC-21. 2. Size: 19 inches by 14-1/2 inches (463 mm by 368 mm) 3. Exposed Size: 16 inches by 12 inches (406 mm by 305 mm) 00 4. Weight per square: 788 lbs (38 kg/m2). 5. Weight per piece: 10.5 lbs (4.8 kg). 6. Pieces per square: 75 pcs (pieces per M2: 8.073 pcs). 7. Color: Color to match existing unless otherwise determined by owner. 2.3 ACCESSORY MATERIALS A. Substrate Materials: 1. Nailer Boards: Decay resistant, nominal 2 inches (50 mm) by sufficient height to satisfy project conditions, not bowed or twisted. B. Underlayment: 1. No. 30 asphalt felt or equivalent complying with ASTM D 226, Type I C. Fasteners: Sized to penetrate deck minimum 3/4 inch (19 mm) or through thickness of deck or batten. 1. Minimum No, 11 gage, 5/16 inch-diameter-head (7.9 mm), corrosion-resistant nails. D. Rake and Gable End: 1. Prefabricated Rake and Ridge tile. Choose to match tile profile and color. E. Flashings: 1. Ribbed Valley Metal, minimum 0.016-inch (26 gauge galvanized sheet) corrosion resistant metal flashing. 2. Other Flashing: At the juncture of the roof and vertical surfaces, flashing and counter-flashing shall be provided per roofing manufacturer's instructions, and when the flashing and counterflashing are of metal, they shall be not less than 0.019-inch (No. 26 galvanized sheet gage) corrosion-resistant metal 3. Plumbing Stacks and Other Pipes Penetrating Roofs as recommended by the manufacturer. F. Mortar materials, plastic cement and sealant: Code approved adhesive suitable to bond to clay roof tile. 1. Cement Mortar: ASTM C 270, Type M 2. Sand: ASTM C 144. 3. Portland cement: ASTM C 150, Type 1. 4. Plastic cement: ASTM D 2822. 5. Silicone sealant: ASTM D 1002. G. Snow Retention: Provide as required per local code and snow loads for metal and concrete roofing decks. PART 3 EXECUTION 3.1 EXAMINATION A. Do not begin installation until substrates have been properly prepared. B. Verify surfaces are uniform free of ridges, warp or voids, smooth clean and dry C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding. 3.2 PREPARATION A. Clean surfaces thoroughly prior to installation. B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions. 3.3 INSTALLATION - GENERAL A. Install in accordance with manufacturer's instructions and the following: 1. IAPMO UES Evaluation Report 0356 - Clay Roof Tiles. 2. IAPMO UES ER-2015 - TRI Concrete and Clay Roof Tile Installation Manual (TRI Installation Manual). 3. TRI Cold & Snow Concrete and Clay Tile Design Criteria for Cold and Snow Regions. 3.4 INSTALLATION A. Install in accordance with manufacturer's instructions and the applicable building code. 1. Deck surfaces must be clean and dry prior to installation of underlayment. Foreign particles must be cleaned from all interlocking areas to ensure proper seating and to prevent water damming. 2. Fascia boards or cant strips must be installed to properly elevate the first tile course. B. On vertical applications, and on extremely steep pitches where wind currents may cause lift: 1. Set the butt of each tile in a bead of the specified plastic
- cement or sealant, or provide stainless steel "Wind Locks" as required. 2. Use plastic cement and sealant carefully, and avoid smearing the exposed tile surface.
- 3) Completely and neatly fill and point up all voids. C. Visual Inspection: Avoid color patterning, checkerboarding, spotting, and stairstepping:
- 1. After the installation of each 80 roofing tiles, make a visual inspection from the ground level and at a distance from the building of about 40 feet (12 m).
- 2. Verify that tile courses follow straight and true lines; 3. Verify that color range is smooth with no abrupt changes. 4. Make necessary corrections before proceeding with further
- installation.
- 3.5 CLEANING A. Remove all broken tile, debris and excess tile from roof.
- B. Sweep cut tiles clean.
- 3.6 REPAIR AND REPLACEMENT A. Damaged Tile:
 - 1. Break out damaged roof tile.
 - 2. Repair torn underlayment. 3. Drive fastener flush.
- 4. Apply minimum 3/8 inch (10 mm) by 2 inch (51 mm) bead of approved adhesive on tile in course below replacement tile.
- 5. Immediately set replacement tile in position assuring proper contact
- B. Damaged Small Valley and Hip Cuts:
- 1. Apply a minimum of 3/8 inch (10 mm) by 2 inch (51 mm) bead of approved adhesive at head of cut tile. 2. Immediately set tile in course above in position assuring proper contact.
- 3.7 PROTECTION
- A. Protect installed products until completion of project. B. Touch-up, repair or replace damaged products before Substantial Completion
- 09200 EXTERIOR INSULATION & FINISH SYSTEM (EIFS) PART I - GENERAL See DIVISION 1 A. Provide EIFS for exterior walls, to match existing stucco finish and thickness. 1. Exterior Insulation & Finish System, for exterior use. B. DIVISION 1 - GENERAL REQUIREMENTS C. Contractor to provide submittal (deferred submittal) for EIFS system to Architect, then to city, for review and approval. PART II - PRODUCTS A. Finish System: Per Manuf's. instructions and recommendations. 1. Prepare finish coat for Top Coat Acrylic Finish (texture to be chosen by Owner). 2. Color to be chosen by Owner. B. Provide submittals to Architect and to Local Jurisdiction that will meet IBC 1704.12 for a water managment system, with a water resistive barrier, or provide special inspection for non-water management EIFS systems. C. Accessories: Galvanized steel corner beads, casing beads, control joints, expansion joints, trim. D. Bonding agent for patching: Compatible with substrate. E. Exterior rigid insulation per Manuf's. instructions & recommendations. PART III - EXECUTION A. Install EFIS in accordance with ASTM C 926 and in accordance with manufacturer's instructions. B. At patching, prepare surface to sound substrate apply bonding agent and patching materials in accordance with manufacturer's instructions. C. Install metal trims at perimeters and joints. At scratch coat form full keys. At second and third coats, ensure tight contact between coats. Tool edges at windows. doors, other openings to small 'V' to control spalling. D. Apply Top Coat per manufacturer's instructions and recommendations. E. Clean adjacent surfaces soiled during installation. Touch-up damaged surfaces. Protect work from damage. 09900 - PAINTING PART I - GENERAL See DIVISION 1 A. Provide surface preparation and painting for all unfinished interior and exterior surfaces, including electrical and mechanical equipment with shop primed surfaces. B. The use of paint containing more than the percent of lead by weight permitted by law is prohibited. C. First-line standard products for all systems by Benjamin Moore, Pratt and Lambert, Glidden, Sherwin-Williams, Devoe, Howells, or approved equal. PART II - PRODUCTS A. Exterior paint systems: . Concrete and masonry . Wood for opaque finish (walls): N/A. 3. Wood for opaque finish (trim): Acrvlic latex stain 4. Wood for semi-transparent finish: Semi-transparent stain (flat appearing finish), 2 coats. 5. Ferrous metal: N/A. 6. Galvanized metal: Alkyd primer, 1 coat; alkyd enamel. gloss finish, 2 coats B. Interior paint systems: Concrete: N/A. 2. Drywall (general): Latex primer, 1 coat; interior latex (semigloss finish), 2 coats. 3. Drywall (Bath Room): Latex primer, 1 coat; interior latex (semigloss finish), 2 coats. 4. Wood opaque finish (walls): Latex primer, 1 coat; interior latex (flat finish), 2 coats. 5. Wood opaque finish (trim): N/A. 6. Wood transparent finish: Oil stain, 1 coat; sanding sealer, 1 coat; alkyd varnish (gloss finish), 2 coats 7. Ferrous metal: Alkyd metal primer, 1 coat; alkyd enamel (gloss finish), 2 coats. 8. Garage (walls & ceiling) Latex primer, 1 coat; latex (semialoss finish), 2 coats. PART III - EXECUTION A. Match approved mock-ups for color, texture, and pattern. Re-coat or remove and replace work which does not match or shows loss of adhesion. Clean-up, touch-up, and protect work.

DIVISION 10 - SPECIALTIES

SECTION 10310 MANUFACTURED FIREPLACES

PART 1 GENERAL

1.1 SECTION INCLUDES A. Vent Free Gas Burning Manufactured Fireplaces.

B. Direct Vent Gas Burning Manufactured Fireplaces.

- 1.4 SUBMITTALS
- A. Submit under provisions of Section 01 30 00 Administrative Requirements. B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations. 3. Installation methods. Including:

a. Fireplace unit rough opening dimensions, rough opening sizes for flue, and installation details.

- b. Fireplace unit cabinet dimensions, clearances required from adjacent c. construction, and applicable regulatory agency approvals
- D. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

E. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment and periodic cleaning and maintenance of all components.

1.7 SEQUENCING

A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress. B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.8 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.9 WARRANTY

A. Provide manufacturer's limited lifetime warranty covering combustion chamber heat exchanger, stainless steel burner, logs, ceramic glass against thermal breakage, gold plated parts against tarnishing, porcelain enameled surfaces and aluminum extrusion trim.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Napoleon Fireplaces, which is located at: Wolf Steel USA 103 Miller Dr.; Crittenden, KY 41030; Toll Free Tel: 800-461-5581 ; Email: request info (gthomas@napoleonproducts.com); Web: www.napoleonfireplaces.com

C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 VENT FREE GAS BURNING MANUFACTURED FIREPLACES (OPTION 1)

A. General: 1. Comply with applicable building codes.

- B. Model: Plazma Fire VF31
 - 1. Type: Vent free. Fuel type:
 - a. Natural gas
 - 3. Dimensions: 43-5/16 inches wide by 28 inches high by 9-1/8 inches deep. 4. BTU rating: 6,000 BTU (natural gas and propane).
 - 5. Fronts and Frame Fnish:
 - a. Painted metallic black.
 - 6. Mounting Cabinets Finish: a. Painted metallic black.
 - 7. Standard Features:
 - a. MIRRO-FLAME Porcelain Reflective Radiant Panels
 - 8. Options:
 - a. LED Accent Light Kit.
 - b. Safety Barrier
 - 9. Standard Features: a. Electronic Ignition

2.3 DIRECT VENT GAS BURNING MANUFACTURED FIREPLACES (OPTION 2)

- A. General:
 - 1. Comply with applicable building codes. 2. Comply with ANSI Z21.88/CSA 2.33.
 - 3. WHI listed.
- 4. Safety Barriers are "Safety Barrier Approved".
- B. Model: Ascent Linear BL36
 - 1. Type: Direct Vent. 2. Fuel type:
 - a. Natural gas.
 - 3. Dimensions:
 - a. 34-1/2 inches high by 35 inches wide by 16-1/4 inches deep. 4. BTU rating:
 - a. Up to 16,000 BTU (natural gas and propane).
 - 5. Standard Features:
 - a. Flame heat adjustment.
 - b. Safety Barrier.
 - c. Prewired for wall switch. d. Glass ember bed.
 - 6. Options:
 - a. Decorative Front:
 - 3) 4-Sided Surround with painted black finish.
 - b. MIRRO-FLAME Porcelain Reflective Radiant Panels.
 - c. On/off or Modulating Remote with Digital Screen d. Shore fire media kit
 - a. Decorative Front:

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- ** NOTE TO SPECIFIER ** Include the following paragraph if powered ventilators are provided. Delete if not required.
- C. Verify proper power supply and fuel source are available.
- 3.2 PREPARATION
- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. 3.3 INSTALLATION
- A. Install in accordance with manufacturer's instructions, ANSI Z21.44 and the requirements of authorities having jurisdiction
- B. Use manufacturer's guidelines for minimum clearances to combustibles, walls, and finishes
- C. Set fireplace units plumb, level, and rigid
- D. Anchor all components firmly in position.
- E. Connect to natural gas system in accordance with NFPA 54. F. Upon completion of installation, visually inspect all exposed surfaces. Touch up scratches and abrasions with touch up paint recommended by the manufacturer; make imperfections invisible to the unaided eye from a distance of 5 feet.

3.4 PROTECTION

A. Protect installed products until completion of project. B. Touch-up, repair or replace damaged products before Substantial Completion.

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10800 - TOILET ACCESSORIES

PART I - GENERAL See DIVISION 1

- A. Provide and install toilet accessories.
- **B. DIVISION 1 GENERAL REQUIREMENTS**
- C. Submit for approval samples, product data, accessory schedule.

PART II - PRODUCTS

A. Units: Stainless steel fabrication with AISI No. 4 bright directional polish finish; Bobrick Washroom Equipment, Inc. or approved equal.

B. Mounting:

- 1. Surface Mounted 2. Semi-recessed.
- C. Types and quantities:
- 1. Toilet tissue dispenser, double roll. 2. Towel bars.
- PART III EXECUTION

A. Restore damaged finishes and test for proper operation. Clean and protect from damage.

11450 - RESIDENTIAL EQUIPMENT

RESIDENTIAL APPLIANCES

PART 1 GENERAL

- 1.1 SECTION INCLUDES
- A. Residential Appliances: 1. Refrigeration.
 - 2. Cooking products.
 - 3. Microwave ovens.
 - 4. Dishwashers.
 - Food waste disposers.
- 7. Clothes care. 1.4 SUBMITTALS

A. Submit under provisions of Section 01 30 00 -

Administrative Requirements.

- B. Product Data: Manufacturer's data sheets on each product to be used, including:
- 1. Model number and selected options for each appliance.
 - 2. Preparation instructions and recommendations. 3. Storage and handling requirements and
- recommendations. 4. Installation methods.
 - 5. List of maintenance parts.

1.5 QUALITY ASSURANCE

A. Regulatory Requirements: Comply with referenced standards and the Americans with Disabilities Act as applicable for fixtures for the disabled.

B. Energy Rating: Provide appliances with the EPA Energy Star label where applicable.

C. Coordinate rough-in requirements with adjacent construction. Coordinate components and fittings to ensure compatible parts are installed.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

1.7 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by

manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

A. Provide manufacturer's standard written limited one-year warranty for each type of appliance specified.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: GE Appliances, which is located at: 4000 Buechel Bank Rd.; Louisville, KY 40225; Toll Free Tel: 800-626-2000; Email: request info (tyler.martin@ge.com); Web: www.geappliances.com |

www.geappliances.com/pro B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 REFRIGERATION

A. Refrigerators and Freezers: As manufactured by GE Appliances, as determined by Owner.

2.3 COOKING PRODUCTS

A. Built-In Ovens: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

C. Built-In Cooktops: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliance, as determined by Owner.

E. Venting Systems: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

2.4 MICROWAVE OVENS

A. Microwave Ovens: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

2.5 DISHWASHERS

A. Dishwashers: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

2.6 CLOTHES CARE

A. Clothes Care: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared. Coordinate rough-in with appliance sizes and utility requirements.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Assemble appliances and trim and install in
- accordance with manufacturer's instructions and the following:
- 1. Securely mount to substrate. 2. Install appliances plumb and level and in proper
- relationship to adjacent construction. 3. Connect appliances to building utility, supply and
- waste systems as applicable. 4. Test for proper operation and drainage. Adjust

until proper operation is achieved.

3.4 PROTECTION A. Protect installed products until completion of project. B. Touch-up, repair or replace damaged products before Substantial Completion. ** NOTE TO SPECIFIER ** Delete paragraph below if data sheets from the GE website are not attached. 3.5 APPLIANCE DATA SHEETS A. Refer to the manufacturer's data sheets as attached to this Section for required features and additional requirements.

DIVISION 15 - MECHANICAL

15400 - PLUMBING (coordinate with Plumbing Drawings) PART I - GENERAL

- and drawings) See DIVISION 1
- A. Provide plumbing systems including supply, waste and
 - vent systems for:
 - Bath and toilet rooms. 2. Kitchen.
 - 3. Utility room.
 - 4. Water heaters
 - 5. Floor drains.
 - 6. Access panels.
- **B. DIVISION 1 GENERAL REQUIREMENTS** C. Coordinate with Owner's room uses to provide adequate
- system for all contract areas.
- D. Coordinate location of plumbing systems to avoid interference with location of structure and other building systems. Notify Owner prior to construction of conflicts which cannot be resolved.
- E. Arrangement of systems indicated on the drawings is diagrammatic, and indicates the minimum requirements for plumbing work. Site conditions shall determine the actual arrangement of runs, bends, offsets, and similar items. Take field measurements before fabrication. Be responsible for accuracy of dimensions and layout. Overhead piping shall be laid out to obtain maximum

PART II - PRODUCTS (coord. w/ plumbing notes & dwgs.)

- A. Provide plumbing systems' components and all required accessories including shut-offs and clean-outs. Provide
- components which prevent back-siphonage or cross connections. B. Sanitary, waste and vent piping: Schedule 40 A.B.S. to
- Sewage disposal: Public;

House drain (inside): Schedule 40 A.B.S

- C. Hot and cold water piping: Supply lines under slab shall be type "L" seamless hard drawn copper tubing assembled with solder fittings. Lines above slab shall be type "M". support piping with grade to drain to drainoff cocks. Service from meter to house shall be 3/4" (unless utility co. requires otherwise) copper.
- D. Water supply: Public. 1" (one inch) copper.
- E. Water Meter size: 3/4" (three quarter inch).
- F. Hangers: For water piping, provide adjustable wrought iron copper plated hangers at 6' intervals maximum.
- Provide hangers to allow for full thickness of insulation. G. Covering and insulation (Owner's option): For domestic hot water piping provide 1/2" flexible foamed tubing by Owens Corning or Armstrong 1/2" Armaflex or approved equal. Seal joints vapor tight. Insulate valves and fittings including water service piping with equal thickness of pipe insulation. Provide 18 gauge protection saddles between insulation and pipe hangers. comply with fire hazard regulations. For water piping, provide adjustable wrought iron copper plated hangers at 6' intervals maximum. Provide hangers to allow for full thickness of insulation.
- H. Valves and shut-offs: Full size bronze gate valves for hot and cold water branches. provide drainage valves. Provide units by Hammond, Jenkins, Nibco or approved
- I. Hose bibbs: Anti-siphon hose bibbs by Woodford or approved equal.

and copper flashing by Zurn or approved equal.

recovery 100 degree rise, 100 gallon capacity. Glass lined storage type for utility service at site. Provide

baked enamel steel jacket, fiberglass insulation, and UL

Nystrom, or approved equal. Configuration and trim

and connection to meter: Carbon . Schedule 40 black

valve, with copper ground from electrical service

as required by finish wall surface or trimmed wood panel may be acceptable with Owner's approval.

J. Floor drains and cleanouts: Units with bronze strainer

K. Provide pressure reducing valve if required by local

M. Water heater: (1) Domestic gas water heaters, quick

flame retention burner; 10 year warranty.

O. Plumbing Fixtures: (coordinate with plumbing schedules) P. Gas piping to furnaces, water heater(s), and fireplace(s),

steel pipe, ASTM A 53, Grade A.

Q. Provide pressure regulator at water main shut-off

attached each side of regulator.

N. Access panels: Metal units with locks by Karp, Milcor,

iurisdiction

L. Domestic water mixing valve: N/A.

PART III - EXECUTION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials in proper relation with adjacent construction and with uniform appearance for exposed work. Coordinate with work of other sections. Comply with applicable regulations and building code requirements.
- B. Support piping properly. Pitch to drain points. Install with pipe expansion loops, mechanical expansion joints. and anchors.
- C. Install shut-off valves on each piece of equipment on both hot and cold water supply.
- D. Clearly label all valves and components
- E. Sterilize water distribution system. Flush and test all systems for proper operation. Adjust system to prevent water hammer.
- F. Install gas piping in accordance with local gas utility
- company regulations and specifications. G. Restore damaged finishes. Clean and protect work
- from damage.
- H. Instruct Owner in proper operation of systems. I. Install steam room equipment (if applicable) per
- manufacturer's requirements and instructions.

15500 - HEATING, VENTILATING, & AIR CONDITIONING (coordinate with mechanical drawings and notes)

See DIVISION 1

PART I - GENERAL

- A. Provide and install mechanical systems including:
 - 1. Ventilating system including fans, sheet metal work, registers, grilles and diffusers.
 - 2. Exhaust system for kitchen, kitchenettes, wet bar,
 - and laundry equipment. 3. Air conditioning system (optional-verify w/ Owner).
 - 4. Piping distribution system and insulation.
 - 5. Temperature controls.
- 6. Testing, adjusting and balancing.
- B. Coordinate with Owner's room uses to provide adequate
- system for all contract areas. C. Coordinate location of mechanical systems to avoid
- interference with location of other systems. Notify Owner prior to construction of conflicts which cannot
- be resolved. D. DIVISION 1 - GENERAL REQUIREMENTS
- E. Arrangement of systems indicated on the drawings is diagrammatic, and indicates the minimum requirements for mechanical work. Be responsible for accuracy of dimensions and lavout. Overhead ductwork shall be laid
- out to obtain maximum head room.
- PART II PRODUCTS (coord. w/ mech. dwgs. & sched's)
- A. Valves: Provide valves required by service intended including gate, globe, check, and ball valves. Provide valves by Kennedy, Crane, Nibco, or approved equal.
- B. Hangers and supports: Comply with ANSI B31.1. C. Convectors: Copper tubes with aluminum fins, 16 gauge
- steel front and top panels by Trane, Airtherm or
- approved equal. D. Sheet metal work and accessories: Comply with "SMACNA Duct Manual and Sheet Metal Construction for Ventilating
- and Air Conditioning Systems". E. Fans and air handling units:
 - 1. (1) 80% or 90% efficient furnaces (Owner's option) designed for service intended by Carrier, Trane, Pavne
- or approved equal.
- 2. Air conditioning system (Owner's option). F. Fan coil units: 22 gauge galvanized steel with seamless
- copper tube and aluminum fin coil by Trane, Carrier, Airtherm or approved equal.
- G. Grilles and registers: Units with approved face and frame design, gaskets, and baked enamel finish by Agitair.
- Titus or approved equal. H. Controls: Automatic temperature control system with
- thermostats as required, by Honeywell, Johnson Controls or approved equal.
- I. Mechanical subcontractor shall provide ducting of all exhaust fans, range hoods and dryer vents to exterior (flex ducting allowable only for bath exhausts).
- J. Mechanical subcontractor shall size furnace and all
- plenums, ducts, registers, vents, flues, etc. K. Provide (2) combustion air vents to (each) furnace; (1) no lower than 12" below ceiling, and (1) no higher than
- 12" above floor. PART III - EXECUTION

requirements.

A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials in proper relation with adjacent construction and with uniform appearance for exposed work. Coordinate with work of other sections. Comply with applicable regulations and building code

- B. Install ductwork in accordance with SMACNA recommendations. Seal duct seams with sealer. Provide splitters and balancing dampers. Provide fire dampers and automatic smoke and fire dampers where required. Provide flexible connectors and inlet and discharge connections. Clean before testing and balancing.
- C. Clearly label and tag all components.
- D. Test and balance all systems for proper operation. E. Restore damaged finishes. Clean & protect work from damage.
- F. Instruct Owner in proper operation of systems.

DIVISION 16 - ELECTRICAL

- 16000 ELECTRICAL (coord. w/ elec. dwgs. & notes)
- PART I GENERAL See DIVISION 1
- A. Provide electrical systems including:
 - 1. Power. Lighting.
 - 3. Cable TV System (optional)
 - 4. Telephone. 5. Security System (coordinate w/ Owner).
 - 6. Smoke Detectors.
- **B. DIVISION 1 GENERAL REQUIREMENTS** C. Include primary service, transformers, distribution
- center, grounding, power and lighting panels, wiring, outlet boxes, receptacles, lighting fixtures, switches, conduits, and raceways and all accessories.
- D. Provide telephone and data outlets with cutout, box and pull string only
- E. Service panel shall be 200 amp, and shall comply with
- NEC 110-16. F. Coordinate with Owner's room uses to provide adequate
- system for all contract areas.
- G. Coordinate location of ductwork and to avoid interference with location of designated lighting fixture locations. Notify Owner prior to construction of conflicts which cannot be resolved.
- H. Coordinate schedule of telephone outlet completion with Owner's communications requirements and installer as applicable.
- I. Arrangement of systems indicated on the drawings is diagrammatic, and indicates the minimum requirements for electrical work. Site conditions shall determine the actual arrangement of conduits, boxes, and similar items. Take field measurements before fabrication. Be responsible for accuracy of dimensions and layout. J. Comply with the National Electrical Code and applicable
- local regulations.

PART II - PRODUCTS (coord. w/ elec. drawings & notes)

- A. Conduit: At service panel only.
- B. Exposed metal raceways: N/A.
- C. Boxes: Plastic or metal. D. Conductors and wiring: Romex or equal.
- E. Wiring devices: Receptacles, lighting switches, ground fault receptacles, dimmers, and coverplates as required. Color: Standard almond.
- F. All electrical outlets in firewall at garage
- shall be GFCI in metal boxes.

PART III - EXECUTION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials in proper relation with adjacent construction and with uniform appearance for exposed work. Coordinate with work of other sections. Comply with applicable regulations and building code requirements
- B. Comply with National Electrical Code and building code requirements. Maintain continuity of circuits required to supply new equipment in service.
- C. Test all systems for proper operation. Restore damaged
- finishes. Clean and protect work from damage. D. Smoke detectors shall comply with UBC 43-6,
- shall be wired in series, and shall be placed a minimum of 36" from nearest duct opening and within 12" of ceiling. E. Provide ground fault interruptor (GFI) circuits to all
- exterior outlets and all interior outlets within 72" of water source.
- F. Service grounding shall be a minimum of (20) linear feet of #4 copper conductor, placed in footing with a
- minimum clearance of 2". G. Interior metal water piping shall be grounded by
- electrically continuous bonding with a minimum #4 copper conductor connected to the grounding electrode conductor at the service panel. Bridge over pressure reducing valve (if installed).
- H. Electrician shall pre-wire for blower unit at all fireplace locations and pushbutton control(s) for automatic garage door opener(s).

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GENERAL NOTES

- 1. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY LOCATIONS.
- 2. DRAWING IS APPROXIMATE AND NOT DRAWN TO SCALE.
- 3. ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.

4. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.

- 5. ALL SANITARY SEWER INFRASTRUCTURE TO BE INSTALLED PER COTTONWOOD IMPROVEMENT DISTRICT STANDARD PLANS AND SPECIFICATIONS.
- 6. ALL WATER INFRASTRUCTURE TO BE INSTALLED PER JORDAN VALLEY WATER CONSERVANCY DISTRICT STANDARD PLANS AND SPECIFICATIONS.
- 6. DEFLECT OR LOOP ALL WATERLINES TO AVOID CONFLICTS WITH OTHER UTILITIES PER GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- 7. PROJECT SHALL COMPLY WITH ALL UTAH DIVISION OF DRINKING WATER RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE PERTAINING TO BACKFLOW PROTECTION AND CROSS CONNECTION PREVENTION.
- 8. THE CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL/PLUMBING PLANS.
- 9. NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING UTILITY STRUCTURES OR PIPES.
- 10. THE CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITIES AS NEEDED PER LOCAL GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- 11. THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.

-INSTALL 90° BEND W/ THRUST BLOCK

─INSTALL 90° BEND W/ THRUST BLOCK



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LAYTON

Phone: 801.547.1100

TOOELE Phone: 435.843.3590

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NO. DATE REVISION 1 01/20/2017 WATER LINE CHANGES 2 2/13/2017 WATER/SEWER CHANGES MSB

UTILITY PLAN

PROJECT NUMBER PRINT DATE 2/13/17 7227 DRAWN BY CHECKED BY M. BUDGE PROJECT MANAGER D. JENKINS

C-100





GENERAL NOTES

- 1. All taps are to be hot-tapped only. No hot taps will be allowed on Friday. A minimum of 24
- hours notice is required prior to the tap. 2. A down stream valve is required inside the
- fireline box. 3. The tapping valve can be used as the upstream
- valve. 4. The tapping valve must have a slip type valve
- box and must be set to finish grade.
- 5. Floor must have a minimum of 6" of gravel spread evenly throughout.
- 6. All knock-outs for pipe coming into and going out of the box must be cement grouted once pipe is in place.
- 7. All bolts & nuts upstream of the box must be greased and wrapped. All bolts will be coated with an acceptable thread lubricant prior to
- installation. 8. Standard size 24" ring and lid is required for vault entrance.
- 9. Typical fireline vault is to be a minimum of 5'x6'
- o.d. in size with gravel bottom. 10. A 14-guage underground rated locating wire
- must be laid with the pipe if using C-900.



3 TYPICAL FIRELINE BOX DETAIL



GREASE TRAP & SAMPLING MANHOLE

SCALE: NONE

SCALE: NONE

ENSIGN THE STANDARD IN ENGINEERING

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NO. DATE REVISION 1 01/20/2017 WATER LINE CHANGES MSB ADDENDUM #6 DETAILS PROJECT NUMBER 7227 PRINT DATE 2/13/17

CHECKED BY DRAWN BY M. BUDGE PROJECT MANAGER D. JENKINS

C-200



ASPHAI	LT PAVING SPECIFICATIONS		
		3.4	SURFACE PREPARATION
PART 1	- GENERAL	А.	General: Immediately before place from substrate surfaces. Ensure that
1.1	SUMMARY	B.	Tack Coat: Apply uniformly to su
A.	 Section Includes: Hot-mix asphalt paving overlay. Pavement-marking paint. 		 Allow tack coat to cure undis Avoid smearing or staining Remove spillages and clean a
1.2	PROJECT CONDITIONS		ixeniove spinages and crean c
А.	Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, if rain is imminent or expected before time required for adequate cure, or if the following	3.5	HOT-MIX ASPHALT PLACING
	conditions are not met:	A.	asphalt mix by hand to areas inacce mix. Place each course to required
	 Asphalt Surface Course: Minimum surface temperature of 60 deg F (15.6 deg C) at time of placement. 		 Spread mix at minimum temp Regulate paver machine spe tears in asphalt-paving mat.
В.	Pavement-Marking Paint: Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of [40 deg F (4.4 deg C) for oil-based materials] [55 deg F (12.8 deg C) for water-based materials], and not exceeding 95 deg F (35 deg C).	В.	Place paving in consecutive strips to lesser width are required.
PART 2	- PRODUCTS	C.	Promptly correct surface irregularity to remove excess material forming segregation of mix; use suitable har
2.1	AGGREGATES	3.6	IOINTS
A.	Coarse Aggregate: ASTM D 692, sound; angular crushed stone, crushed gravel, or cured, crushed blast-furnace slag.	A.	Construct joints to ensure a contin joints free of depressions, with s
В.	Fine Aggregate: [ASTM D 10/3] [or] [AASHTO M 29], sharp-edged natural sand or sand prepared from stone, gravel, cured blast-furnace slag, or combinations thereof.		asphalt course.
C.	Mineral Filler: [ASTM D 242] [or] [AASHTO M 17], rock or slag dust, hydraulic cement, or other inert material.		 Clean contact surfaces and ap Offset longitudinal joints, in Offset transverse joints, in su Construct transverse joints approximately
2.2	ASPHALT MATERIALS		work at a subsequent time. method according to AI MS
А.	Asphalt Binder: AASHTO M 320 or AASHTO MP 1a, [PG 70-22]		Operations."
B.	Tack Coat: [ASTM D 977] [or] [AASHTO M 140] emulsified asphalt, or [ASTM D 2397] [or] [AASHTO M 208] cationic emulsified asphalt, slow setting, diluted in water, of suitable grade and consistency for application.	3.7	COMPACTION
2.3	AUXILIARY MATERIALS		excessive displacement. Compact plate compactors in areas inaccessil
A.	Pavement-Marking Paint: MPI #32 Alkyd Traffic Marking Paint.		1 Complete compation hafere
	1. Color: [Yellow].	B.	Breakdown Rolling: Complete brea
2.4	MIXES		outside edge. Examine surface imn and smoothness. Correct laydown a
А.	Hot-Mix Asphalt: Dense, hot-laid, hot-mix asphalt plant mixes approved by authorities having jurisdiction[; designed according to procedures in AI MS-2, "Mix Design Methods for Asphalt Concrete and Other Hot-Mix Types";] and complying with the following requirements:	C.	Intermediate Rolling: Begin intern hot-mix asphalt is still hot enough asphalt course has been uniformly c
	 Provide mixes with a history of satisfactory performance in geographical area where Project is located. 	D.	ASTM D 2041, but not less the Finish Rolling: Finish roll paved st
PART 3	- EXECUTION		warm.
		E.	proper alignment. Bevel edges while
3.1	EXAMINATION	F.	Protection: After final rolling, do and hardened.
A.	COLD MILLING	G.	Erect barricades to protect paving the marked.
A.	Clean existing pavement surface of loose and deleterious material immediately before cold milling. Bemous suisting apphalt pavement by cold milling to grades and grass sections	3.8	INSTALLATION TOLERANCES
	indicated. Mill to a depth of [1-1/2 inches (38 mm)]	A.	Pavement Thickness: Compact e following tolerances:
3.3	PATCHING		 Base Course: Plus or minus Surface Course: Plus 1/4 inc.
A.	Hot-Mix Asphalt Pavement: Saw cut perimeter of patch and excavate existing pavement	3.9	PAVEMENT MARKING
	section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches (300 mm) into adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Remove excavated material. Recompact existing unbound-aggregate base course to form new	A.	Do not apply pavement-marking p with Architect.
- - т	subgrade.	B.	Allow paving to age for [30] days b
В.	asphalt paving at a rate of 0.05 to 0.15 gal./sq. yd. (0.2 to 0.7 L/sq. m).	C.	Sweep and clean surface to eliminat
	 Allow tack coat to cure undisturbed before applying hot-mix asphalt paving. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces. 	D.	Apply paint with mechanical eq indicated, with uniform, straight ed a minimum wet film thickness of 15
C.	Patching: Fill excavated pavements with hot-mix asphalt base mix for full thickness of patch and, while still hot, compact flush with adjacent surface.		1. Broadcast glass beads unifor kg/L).

3.10 FIELD QUALITY CONTROL Immediately before placing asphalt materials, remove loose and deleterious material rate surfaces. Ensure that prepared subgrade is ready to receive paving. A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections. Apply uniformly to surfaces of existing pavement at a rate of 0.05 to 0.15 gal./sq. Replace and compact hot-mix asphalt where core tests were taken. Remove and replace or install additional hot-mix asphalt where test results or measurements C w tack coat to cure undisturbed before applying hot-mix asphalt paving. indicate that it does not comply with specified requirements. id smearing or staining adjoining surfaces, appurtenances, and surroundings. nove spillages and clean affected surfaces. 3.11 DISPOSAL Except for material indicated to be recycled, remove excavated materials from Project site and Α. lace hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place legally dispose of them in an EPA-approved landfill. by hand to areas inaccessible to equipment in a manner that prevents segregation of e each course to required grade, cross section, and thickness when compacted. ead mix at minimum temperature of 250 deg F (121 deg C). ulate paver machine speed to obtain smooth, continuous surface free of pulls and CLARIFICATION NOTES FOR ALL 6 BUILDINGS (ADDENDUM #4): 1 - COMMERCIAL KITCHEN EQUIPMENT WILL BE SUPPLIED AND INSTALLED BY "STANDARD ng in consecutive strips not less than 10 feet (3 m) wide unless infill edge strips of a RESTAURANT SUPPLY". MR. TERRILL ROE. THEY WILL BE PROVIDING AND INSTALLING ALL OF THE EQUIPMENT, INCLUDING THE HOOD VENTILATION SYSTEMS. THEY WILL ALSO CONNECT TO THE GAS. ELECTRICAL AND PLUMBING WHERE TERMINATED AT THE WALLS. FLOOR AND correct surface irregularities in paving course behind paver. Use suitable hand tools CEILING, BY OTHER SUBCONTRACTOR WORK. excess material forming high spots. Fill depressions with hot-mix asphalt to prevent 2 - THE OWNER SHALL PROVIDE ALL TELEVISION SETS, LOCATED IN THE COMMON AREAS OF of mix: use suitable hand tools to smooth surface. THE RESIDENTIAL AREAS, AND THE COMMUNITY CENTER. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE SUPPORT AND BLOCKING, AT THE WALLS WHERE THE TELEVISIONS WILL BE INSTALLED. 3 - CONTRACTOR IS TO PROVIDE AN ALLOWANCE, IN THEIR BID, FOR PROVIDING AND joints to ensure a continuous bond between adjoining paving sections. Construct INSTALLING THE RESIDENTIAL KITCHEN EQUIPMENT IN EACH OF THE RESIDENTIAL COMMON of depressions, with same texture and smoothness as other sections of hot-mix AREAS. PROVIDE AN ALLOWANCE FOR "MAYTAG" OR "GENERAL ELECTRIC" APPLIANCES, OR APPROVED EQUIVALENT. in contact surfaces and apply tack coat to joints. 4 - CONTRACTOR IS TO PROVIDE AN ALLOWANCE, IN THEIR BID, INCLUDING A DESIGN FEE, et longitudinal joints, in successive courses, a minimum of 6 inches (150 mm). FOR THE BASE AND WALL CABINETS THROUGHOUT THE ENTIRE 6 BUILDINGS et transverse joints, in successive courses, a minimum of 24 inches (600 mm). CABINETS TO BE GRADE 1, MAPLE CABINET DOORS AND DRAWERS, WITH GRADE 1 STAIN struct transverse joints at each point where paver ends a day's work and resumes FINISH. WHITE MELAMINE FACED INTERIOR CABINET DOORS, SHELVES AND DRAWERS. at a subsequent time. Construct these joints using either "bulkhead" or "papered" CABINET HARDWARE TO BE "AMEROCK" CABINET HARDWARE OR EQUIVALENT. nod according to AI MS-22, for both "Ending a Lane" and "Resumption of Paving COUNTER TOPS TO BE GRANITE OR STONE, GRADE 1. THE FOLLOWING ROOMS SHALL HAVE BASE CABINETS ONLY, OR BASE AND WALL CABINETS, WITH MIXED CABINETS AND DRAWERS: A - RESIDENT LAUNDRY A101 (BASE CABINET ONLY) Begin compaction as soon as placed hot-mix paving will bear roller weight without B - KITCHEN A115 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL lisplacement. Compact hot-mix paying with hot, hand tampers or with vibratory-SUBMITTAL SETS, DELETE CROWN MOLDING AT WALL CABINETS) actors in areas inaccessible to rollers. C - RESIDENT LAUNDRY A127 (BASE CABINET ONLY) D - KITCHEN A132 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL SUBMITTAL SETS, DELETE CROWN MOLDING AT WALL CABINETS) plete compaction before mix temperature cools to 185 deg F (85 deg C). E - RESIDENT LAUNDRY B101 (BASE CABINET ONLY) F - KITCHEN B115 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL Rolling: Complete breakdown or initial rolling immediately after rolling joints and e. Examine surface immediately after breakdown rolling for indicated crown, grade, SUBMITTAL SETS, DELETE CROWN MOLDING AT WALL CABINETS) mess. Correct laydown and rolling operations to comply with requirements. G - RESIDENT LAUNDRY B125 (BASE CABINET ONLY) H - KITCHEN B129 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL SUBMITTAL SETS, DELETE CROWN MOLDING AT WALL CABINETS) te Rolling: Begin intermediate rolling immediately after breakdown rolling while phalt is still hot enough to achieve specified density. Continue rolling until hot-mix I - LAB C111 (BASE AND WALL CABINETS, WITH LOCKS ON BOTH CABINETS AND DRAWERS, rse has been uniformly compacted to the following density: WALL CABINETS NOT SHOWN ON ORIGINAL SUBMITTAL SETS, DELETE CROWN MOLDING AT rage Density: 92 percent of reference maximum theoretical density according to WALL CABINETS) J- MEDS C112 (BASE AND WALL CABINETS, WITH LOCKS ON BOTH CABINETS AND M D 2041, but not less than 90 percent nor greater than 96 percent. DRAWERS, DELETE CROWN MOLDING AT WALL CABINETS) ing: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still K - STAFF BREAK ROOM C113 (BASE AND WALL CABINETS, DELETE CROWN MOLDING AT WALL CABINETS) L - RECEPTION C122 (BASE CABINET WITH RETURN: RECEPTION COUNTER W/ LOWER ing: While surface is being compacted and finished, trim edges of pavement to A.D.A. COUNTER) M - PATIENT BREAK AREA C129 (BASE AND WALL CABINETS, DELETE CROWN MOLDING AT nment. Bevel edges while asphalt is still hot; compact thoroughly. WALL CABINETS) After final rolling, do not permit vehicular traffic on pavement until it has cooled N - REAR WALL OF RECEPTION/OFFICE D109 (BACK WALL TO HAVE BASE CABINET ONLY; FRONT OF RECEPTION AREA TO HAVE BASE CABINET WITH RECEPTION COUNTER AND cades to protect paving from traffic until mixture has cooled enough not to become LOWER A.D.A. COUNTER. 0 - WARMING KITCHEN D101 (COUNTERTOP ONLY) P - SERVING D104 (BASE CABINET) Q - WORKOUT ROOM D113 (WALNUT CUBICLES W/ MELAMINE INTERIOR FINISH) R - YOGA STUDIO D114 (WALNUT CUBICLES W/ MELAMINE INTERIOR FINISH) S - MALE EMPLOYEE LOCKER ROOM D115 (WALNUT FACED LOCKER DOORS WITH Thickness: Compact each course to produce the thickness indicated within the PADLOCK HARDWARE, 1 SHELF AND DOUBLE HOOK; MELAMINE INTERIOR FINISH) T - FEMALE EMPLOYEE LOCKER ROOM D115A (WALNUT FACED LOCKER DOORS WITH PADLOCK HARDWARE, 1 SHELF AND DOUBLE HOOK; MELAMINE INTERIOR FINISH) e Course: Plus or minus 1/2 inch (13 mm). U - DINING D103 (CURVED EATING BENCH AND HALF WALL-BENCH TO MATCH DINING ace Course: Plus 1/4 inch (6 mm), no minus. FURNITURE SUPPLIED BY OTHERS) V - RESIDENT LAUNDRY E101 (BASE CABINET ONLY) W - KITCHEN E115 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL SUBMITTAL SETS; DELETE CROWN MOLDING AT WALL CABINETS) bly pavement-marking paint until layout, colors, and placement have been verified X - RESIDENT LAUNDRY E127 (BASE CABINET ONLY) Y - KITCHEN E132 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL SUBMITTAL SETS, DELETE CROWN MOLDING AT WALL CABINETS) ng to age for [30] days before starting pavement marking. Z - SERVING CENTER E140 (BASE CABINET ONLY) clean surface to eliminate loose material and dust. AA - RESIDENT LAUNDRY F101 (BASE CABINET ONLY) BB - KITCHEN F115 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL nt with mechanical equipment to produce pavement markings, of dimensions SUBMITTAL SETS, DELETE CROWN MOLDING AT WALL CABINTES) with uniform, straight edges. Apply at manufacturer's recommended rates to provide CC - RESIDENT LAUNDRY F127 (BASE CABINET ONLY) wet film thickness of 15 mils (0.4 mm). DD - KITCHEN F132 (BASE AND WALL CABINETS, WALL CABINETS NOT SHOWN ON ORIGINAL SUBMITTAL SETS, DELETE CROWN MOLDING AT WALL CABINETS) dcast glass beads uniformly into wet pavement markings at a rate of 6 lb/gal. (0.72)5 - ALL RESIDENTIAL BATHROOM COUNTERTOPS TO BE GRANITE OR STONE; PROVIDE ANGLED METAL BRACING WHERE GREATER THAN 3' WIDE, WITH A.D.A. PROTECTION ON BRACING.

> 6 - ALL PUBLIC RESTROOM COUNTERTOPS TO BE GRANITE OR STOONE; PROVIDE ANGLED METAL BRACING WHERE GREATER THAN 3'-O" WIDE, WITH A.D.A. PROTECTION ON BRACING.

8 - ALL ROOMS, i.e.: LINEN CLOSETS, STORAGE ROOMS, PANTRY, ETC., THROUGHOUT ALL 6 BUILDINGS TO HAVE $\frac{3}{2}$ " PLYWOOD OR PARTICLE BOARD SHELVING WITH MELAMINE FINISH TOP AND BOTTOM, AND EDGE. PROVIDE MINIMUM 6 SHELVES IN EACH ROOM. BRACE SHELVES AS REQUIRED FOR STURDY SUPPORT.

9 - PROVIDE SOUND ATTENUATION INSULATION AT ALL RESIDENTIAL PARTY WALLS, AT MUSIC ROOM D117 (AS NOTED), AT PARTY WALL AT GATHERING/LEARNING AREA E136 (AS NOTED), AND AT PARTY WALLS SEPARATING RESIDENTIAL AREAS, BETWEEN KITCHENS AND COMMON AREAS.

10 - ALL INTERIOR DOORS TO BE SOLID CORE WALNUT DOORS WITH STAINED FINISH. DOORS WITH MACHINED, AND KNOCK DOWN FRAMES ARE ACCEPTIBLE.

11 - ALL WOOD BASE TO BE 1X4 MAPLE W/ RADIUSED TOP EDGE, OR APPROVED EQUIVALENT

12 - CARPET TO BE AS MANUFACTURED BY "TUFTEX CARPET" OR EQUIVALENT, R2X STAIN AND SOIL RESISTANCE, ANSO NYLON. PROVIDE SAMPLES FOR APPROVAL BY OWNER.

13 - PROVIDE FRP (FIBERGLASS REINFORCED PLASTIC) PANEL SURROUND IN JANITOR'S CLOSETS, IN LIEU OF CERAMIC TILE NOTED.

14 - DELETE "MARBLE" TILE FROM SPECIFICATION. TILE WILL BE EITHER CERAMIC OR QUARRY TILE AS NOTED. DALTILE OR EQUIVALENT. PLEASE SUBMIT SAMPLES FOR OWNER APPROVAL.

15 - TILE BACKSPLASH TO OCCUR WHEREVER A SINK OCCURS AT COUNTERTOPS. PROVIDE 4" HIGH CERAMIC TILE BACKSPLASH, DALTILE OR EQUIVALENT. PROVIDE SAMPLES FOR OWNER'S APPROVAL.

16 - INTERIOR AND EXTERIOR SIGNAGE TO BE A SEPERATE BID PACKAGE PER OWNER. CONTRACTOR MAY PROVIDE AN ALLOWANCE FOR INTERIOR AND EXTERIOR SIGNAGE.

17 - FIRE EXTINGUISHERS AND CABINETS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.

18 - ALL FURNISHINGS, i.e.: DINING AREA TABLES AND CHAIRS, POOL TABLES, WORK OUT EQUIPMENT, ETC., TO BE PROVIDED BY EITHER OWNER, OR BY KITCHEN EQUIPMENT SUPPLIER.

19 - PLEASE NOTE THAT ALL BIDS TO BE SUBMITTED TO OWNER BY END OF WORK DAY. ON MONDAY, JANUARY 23, 2017. PLEASE SUBMIT TO OWNER'S OFFICE, LOCATED AT 5200 SOUTH HIGHLAND DRIVE, SUITE 210.

MECHANICAL DUCT CLARIFICATION:

INSTALL RIGID DUCTWORK THROUGHOUT THE PLENUM SPACE WITH MINIMAL DUCTWORK TRANSITIONS/FITTINGS, TO ALLOW FOR MAXIMUM AIRFLOW. INSULATE ALL SUPPLY AND RETURN DUCTWORK WITH R-VALUE (R-12 MIN.), AS INDICATED IN

MECHANICAL PLAN VIEW GENERAL NOTES. A FLEXIBLE CONNECTION IS TO BE PROVIDED ON ALL MAIN SUPPLY AND RETURN AIR RUNS TO MINIMIZE VIBRATION FROM ASSOCIATED RTU.

PLUMBING CLARIFICATION:

SHOWER VALVES TO BE "KOHLER", SINGLE HANDLE, OR EQUIVALENT AS APPROVED BY OWNER

7 - ALL INTERIOR DOOR FRAME CASEWORK TO BE STANDARD PAINT-GRADE, $\frac{3}{2}$ " X 3" TRIM SURROUND, EACH SIDE (UNLESS OTHERWISE DIRECTED BY OWNER).

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	EXTERIOR ELEVATION & FLOOR PLAN DEMOLITION KEY NOTES
ION	
(EXISTING PARAFET CAP PLASHING AND COUNTER-FLASHING TO BE REMOVED COMPLETELT, PREPARE EXISTING 2X PLATES TO RECEIVE NEW CAP FLASHING AND COUNTER-FLASHING. PORTION OF EXISTING STOREFRONT DOOR FRAME TO BE REMOVED AND DISCARDED; PREPARE EXISTING STOREFRONT DOOR FRAME TO RECEIVE NEW DOOR AND DOOR HARDWARE; REFINISH EXISTING STOREFRONT DOOR FRAME AS REQUIRED.
(3) PORTION OF EXISTING WALL TO BE CUT AND REMOVED-FIELD VERIFY IF EXISTING WALL HAS STRUCTURAL MEMBERS THAT ARE AFFECTED-COORDINATE TO UPGRADE THE STRUCTURE OF THE WALL AS REQUIRED. PATCH, REPAIR AND REFINISH EXISTING SURROUNDING WALLS, FLOOR AND CEILING, AS REQUIRED. COORDINATE REMOVAL OF EXISTING WALL STRUCTURE WITH DEMOLITION PLANS, AND EXISTING CONDITIONS
(EXISTING INTERIOR WALLS TO BE REMOVED AND DISCARDED COMPLETELY. PATCH, REPAIR AND REFINISH REMAINING, SURROUNDING EXISTING WALLS, FLOOR AND CEILING AS REQUIRED.
(5) CUT AND REMOVE PORTION OF EXISTING WALL TO ALLOW FOR NEW OPENING FOR NEW DOOR/DOOR FRAME, OR WINDOW/WINDOW FRAME, OPENING-INSTALL SUPPORT SYSTEM AROUND OPENINGS AS REQUIRED FOR SOLID ASSEMBLY. PATCH, REPAIR AND REFINISH SURROUNDING WALLS AFTER NEW FRAMES & SUPPORTS HAVE BEEN INSTALLED.
(6 EXISTING DOOR/DOOR FRAME TO BE REMOVED COMPLETELY. DISCARD FRAME COMPLETELY. RETURN ALL EXISTING INTERIOR DOORS TO OWNER.
(7) COORDINATE WITH ALL EXISTING ELECTRICAL POWER BOXES, AND WITH ELECTRICAL SUBCONTRACTOR, OR ELECTRICAL ENGINEER, TO RELOCATE BOXES, IF
(REQUIRED, AND TO UPGRADE BOXES IF REQUIRED. 8) ALL EXISTING ELECTRICAL OUTLETS, LIGHT FIXTURES, AND OTHER EXISTING ELECTRICAL ITEMS TO BE REMOVED AND DISCARDED COMPLETELY, INCLUDING ALL RECESSED EXTERIOR SOFFIT LIGHTS. PREPARE EXISTING SOFFIT, WHERE EXISTING SOFFIT LIGHTS ARE REMOVED, TO RECEIVE NEW SOFFIT LIGHTS. PATCH, REPAIR AND REFINISH SOFFIT AROUND NEW SOFFIT LIGHTS. COORDINATE WITH ELECTRICAL DRAWINGS.
(9 EXISTING BATHROOM FIXTURES TO BE REMOVED AND RETURNED TO OWNER, OR DISCARDED AS DIRECTED BY OWNER. EXISTING PIPING TO BE REMOVED AND RE-ROUTED, CAPPED, OR RELOCATED (OR NEW PIPING INSTALLED TO REPLACE EXISTING) AS REQUIRED COORDINATE WITH PLUMPING DRAWNICS
(10 ALL EXISTING ROOFTOP MECHANICAL EQUIPMENT, MECHANICAL DUCTING, ETC. TO BE REMOVED COMPLETELY, AND DISCARDED. PREPARE EXISTING ROOF AND EXISTING ROOF TRUSSES TO RECEIVE NEW MECHANICAL EQUIPMENT AND DUCTING. PATCH, REPAIR AND REFINISH EXISTING ROOF AROUND NEW DUCT PENETRATIONSCOORDINATE WITH MECHANICAL DRAWINGS.
(11) EXISTING TOILET PARTITIONS TO BE REMOVED AND DISCARDED. 12) PROVIDE OPENING IN EXISTING ROOF FOR NEW SKYLIGHTS-COORDINATE LOCATION OF SKYLIGHTS WITH EXISTING ROOF TRUSSES. ADJUST AS NECESSAY WITH ROOF TRUSSES. NEW SKYLIGHTS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS-PATCH. REPAIR. FLASH & SEAL EXISTING ROOFING. AND AROUND
(NEW SKYLIGHT FOR A TIGHT WATERPROOF ASSEMBLY (13) REMOVE PORTION OF EXISTING STOREFRONT WINDOW AND FRAME COMPLETELY, WHERE EXISTING STOREFRONT DOOR AND FRAME ARE REMOVED, INFILL WITH STUDS, AND BATT INSULATION. PROVIDE NEW GYPSUM BOARD AT INTERIOR, AND NEW STUCCO ON SHEATHING AT EXTERIOR, FOR A COMPLETE SYSTEM. STUCCO ENISTI AND COLOR TO MATCH EXISTING STUCCO ENISTI AND COLOR.
	 14) SAWCUT AND REMOVE PORTION OF EXISTING STOCCO FINISH AND COLOR. 14) SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW SEWER AND WATER PIPING BELOW EXISTING SLAB. COORDINATE WITH EXISTING PIPING (REMOVE EXISTING PIPING AS REQUIRED). PROVIDE PROPER SLOPE FOR WASTE LINES AS REQUIRED. PATCH, REPAIR, AND INSTALL NEW CONCRETE OVER NEW PIPE LINES. REFINISH SLAB TO MATCH EXISTING SURROUNDING CONCRETE SLAB FINISH. COORDINATE ALL NEW PIPING WITH PLUMBING DRAWINGS.
(15) EXISTING STOREFRONT WINDOWS AND FRAMES TO REMAIN, AND TO BE PROTECTED FROM DAMAGE DURING DEMOLITION AND REMODELING PHASES. EXISTING STOREFRONT FRAME TO BE REPLACED IF DAMAGED ORIGINALLY BEFORE DEMOLITION, OR DURING DEMOLITION AND REMODELING PHASES. EXISTING STOREFRONT WINDOW GLASS TO BE CLEANED DURING REMODELING PHASE. REPLACE ANY STOREFRONT WINDOW GLASS DAMAGED OR BROKEN ORIGINALLY BEFORE DEMOLITION, OR DURING DEMOLITION AND REMODELING PHASES.
(16 EXISTING INTERIOR WINDOW/WINDOW FRAME TO BE REMOVED COMPLETELY. DISCARD FRAME COMPLETELY. 17 EXISTING WATER HEATER & FLOOR MOP SINK TO BE REMOVED AND RETURNED TO OWNER.
(18) EXISTING MAIN WATER LINE PIPING TO BE REMOVED. WATER MAIN TO BE RELOCATED WHERE SHOWN ON PLUMBING PLANS. 19) EXISTING SUPPORT POSTS TO REMAIN AND BE PROTECTED FROM DAMAGE -FIELD VERIFY EXACT LOCATION OF POSTS
	20) EXISTING BASE AND WALL CABINETS TO BE REMOVED AND DISCARDED

Donald L. Welch Architect 7533 Sandy Land Lane midvale utah 84047 801-548-6391 dwelch5977@msn.com
THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD I. WELCH ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR JMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNE DNLY IN ACCORDANCE WITH THIS NOTICE.
consultant:
project: Tenant Finish for Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, 4953 South 900 East Salt Lake County, Utah
date DECEMBER 28, 2014 revisions JANUARY 3, 2017 SECOND SUBMITTAL FOR EACH SEPERATE BUILDING PARCEL JANUARY 6, 2017 2 ADDENDUM #2-BUILDING 'C' JANUARY 17, 2017 4 ADDENDUM #4-BUILDING 'B' JANUARY 17, 2017 4 ADDENDUM #4-BUILDING 'B' FEBRUARY 24, 2017 7 ADDENDUM #7-BUILDING 'A' BUILDING 'F' EXISTING DEMOLITION PLAN Sheet
D2 6



Lane 4047 EXTERIOR ELEVATION & FLOOR PLAN Welch DEMOLITION KEY NOTES Donald L. We Architect ndy Land utah 84 SECTION DESCRIPTION EXISTING PARAPET CAP FLASHING AND COUNTER-FLASHING TO BE REMOVED COMPLETELY, PREPARE EXISTING 2X PLATES TO RECEIVE NEW CAP FLASHING AND COUNTER-FLASHING. $\widehat{2}$ PORTION OF EXISTING STOREFRONT DOOR FRAME TO BE REMOVED AND DISCARDED; PREPARE EXISTING STOREFRONT DOOR FRAME TO RECEIVE NEW DOOR AND DOOR HARDWARE; REFINISH EXISTING STOREFRONT DOOR FRAME AS REQUIRED. San 7ale 6391 3) PORTION OF EXISTING WALL TO BE CUT AND REMOVED-FIELD VERIFY IF EXISTING WALL HAS STRUCTURAL MEMBERS THAT ARE AFFECTED-COORDINATE TO UPGRADE THE STRUCTURE OF THE WALL AS REQUIRED. PATCH, REPAIR AND 7533 midv 801-548-(REFINISH EXISTING SURROUNDING WALLS. FLOOR AND CEILING. AS REQUIRED. COORDINATE REMOVAL OF EXISTING WALL STRUCTURE WITH DEMOLITION PLANS, AND EXISTING CONDITIONS (4) EXISTING INTERIOR WALLS TO BE REMOVED AND DISCARDED COMPLETELY. PATCH, REPAIR AND REFINISH REMAINING, SURROUNDING EXISTING WALLS, FLOOR AND CEILING AS REQUIRED. (5) CUT AND REMOVE PORTION OF EXISTING WALL TO ALLOW FOR NEW OPENING FOR THE DESIGNS SHOWN AND DESCRIBED HEREIN NEW DOOR/DOOR FRAME, OR WINDOW/WINDOW FRAME, OPENING-INSTALL NCLUDING ALL TECHNICAL DRAWINGS, SUPPORT SYSTEM AROUND OPENINGS AS REQUIRED FOR SOLID ASSEMBLY. GRAPHIC REPRESENTATION & MODELS PATCH, REPAIR AND REFINISH SURROUNDING WALLS AFTER NEW FRAMES & THEREOF, ARE PROPRIETARY & CAN NOT BE SUPPORTS HAVE BEEN INSTALLED. COPIED, DUPLICATED, OR COMMERCIALLY (6) EXISTING DOOR/DOOR FRAME TO BE REMOVED COMPLETELY. DISCARD FRAME EXPLOITED IN WHOLE OR IN PART WITHOUT COMPLETELY. RETURN ALL EXISTING INTERIOR DOORS TO OWNER. THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD I. WELCH 7) COORDINATE WITH ALL EXISTING ELECTRICAL POWER BOXES, AND WITH ARCHITECT ELECTRICAL SUBCONTRACTOR, OR ELECTRICAL ENGINEER, TO RELOCATE BOXES, IF REQUIRED, AND TO UPGRADE BOXES IF REQUIRED. THESE DRAWINGS ARE AVAILABLE FOR (8) ALL EXISTING ELECTRICAL OUTLETS, LIGHT FIXTURES, AND OTHER EXISTING LIMITED REVIEW AND EVALUATION BY CLIENTS, ELECTRICAL ITEMS TO BE REMOVED AND DISCARDED COMPLETELY, INCLUDING ALL CONSULTANTS, CONTRACTORS, GOVERNMENT RECESSED EXTERIOR SOFFIT LIGHTS. PREPARE EXISTING SOFFIT, WHERE EXISTING AGENCIES, VENDORS, AND OFFICE PERSONNEL SOFFIT LIGHTS ARE REMOVED, TO RECEIVE NEW SOFFIT LIGHTS. PATCH, REPAIR DNLY IN ACCORDANCE WITH THIS NOTICE. AND REFINISH SOFFIT AROUND NEW SOFFIT LIGHTS. COORDINATE WITH ELECTRICAL DRAWINGS. (9) EXISTING BATHROOM FIXTURES TO BE REMOVED AND RETURNED TO OWNER, OR DISCARDED AS DIRECTED BY OWNER. EXISTING PIPING TO BE REMOVED AND RE-ROUTED, CAPPED, OR RELOCATED (OR NEW PIPING INSTALLED TO REPLACE EXISTING), AS REQUIRED-COORDINATE WITH PLUMBING DRAWINGS. (10) ALL EXISTING ROOFTOP MECHANICAL EQUIPMENT, MECHANICAL DUCTING, ETC. TO BE REMOVED COMPLETELY, AND DISCARDED. PREPARE EXISTING ROOF AND EXISTING ROOF TRUSSES TO RECEIVE NEW MECHANICAL EQUIPMENT AND DUCTING. PATCH, REPAIR AND REFINISH EXISTING ROOF AROUND NEW DUCT PENETRATIONS.-COORDINATE WITH MECHANICAL DRAWINGS. (11) EXISTING TOILET PARTITIONS TO BE REMOVED AND DISCARDED. (12) PROVIDE OPENING IN EXISTING ROOF FOR NEW SKYLIGHTS-COORDINATE LOCATION OF SKYLIGHTS WITH EXISTING ROOF TRUSSES. ADJUST AS NECESSAY WITH ROOF TRUSSES. NEW SKYLIGHTS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS-PATCH, REPAIR, FLASH & SEAL EXISTING ROOFING, AND AROUND NEW SKYLIGHT FOR A TIGHT WATERPROOF ASSEMBLY 3) REMOVE PORTION OF EXISTING STOREFRONT WINDOW AND FRAME COMPLETELY, WHERE EXISTING STOREFRONT DOOR AND FRAME ARE REMOVED, INFILL WITH consultant: STUDS, AND BATT INSULATION. PROVIDE NEW GYPSUM BOARD AT INTERIOR, AND NEW STUCCO ON SHEATHING AT EXTERIOR, FOR A COMPLETE SYSTEM. STUCCO FINISH AND COLOR TO MATCH EXISTING STUCCO FINISH AND COLOR. (14) SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW SEWER AND WATER PIPING BELOW EXISTING SLAB. COORDINATE WITH EXISTING PIPING (REMOVE EXISTING PIPING AS REQUIRED). PROVIDE PROPER SLOPE FOR WASTE LINES AS REQUIRED. PATCH, REPAIR, AND INSTALL NEW CONCRETE OVER NEW PIPE LINES. REFINISH SLAB TO MATCH ONALDL EXISTING SURROUNDING CONCRETE SLAB FINISH. COORDINATE ALL NEW PIPING WITH PLUMBING DRAWINGS. 15) EXISTING STOREFRONT WINDOWS AND FRAMES TO REMAIN, AND TO BE PROTECTED FROM DAMAGE DURING DEMOLITION AND REMODELING PHASES. EXISTING STOREFRONT FRAME TO BE REPLACED IF DAMAGED ORIGINALLY BEFORE 12-28-296 DEMOLITION, OR DURING DEMOLITION AND REMODELING PHASES. EXISTING STOREFRONT WINDOW GLASS TO BE CLEANED DURING REMODELING PHASE. REPLACE ANY STOREFRONT WINDOW GLASS DAMAGED OR BROKEN ORIGINALLY BEFORE DEMOLITION, OR DURING DEMOLITION AND REMODELING PHASES. project: (16) EXISTING INTERIOR WINDOW/WINDOW FRAME TO BE REMOVED COMPLETELY. DISCARD FRAME COMPLETELY. Tenant Finish (17) EXISTING WATER HEATER & FLOOR MOP SINK TO BE REMOVED AND RETURNED TO OWNER. (18) EXISTING MAIN WATER LINE PIPING TO BE REMOVED. WATER MAIN TO BE for RELOCATED WHERE SHOWN ON PLUMBING PLANS. (19) EXISTING SUPPORT POSTS TO REMAIN AND BE PROTECTED FROM DAMAGE Brighton Recovery -FIELD VERIFY EXACT LOCATION OF POSTS (20) EXISTING BASE AND WALL CABINETS TO BE REMOVED AND DISCARDED Campus 4905, 4911, 4915, 4925, 4931, 4953 South 900 East Salt Lake County, Utah date DECEMBER 28, 2016 revisions JANUARY 3, 2017 SECOND SUBMITTAL FOR EACH SEPERATE BUILDING PARCEL JANUARY 6, 2017 ADDENDUM #2-BUILDING 'C' JANUARY 17, 2017 ADDENDUM #4-BUILDING 'B' FEBRUARY 24, 2017 ADDENDUM #7-BUILDING 'A' BUILDING 'F' data project no: drawn by: checked by: DLW title BUILDINGS 'F' EXISTING/DEMOLITION ELEVATIONS sheet D3 3





Donald L. Welch Architect	7533 Sandy Land Lane midvale utah 84047 801-548-6391 dwelch5977®msn.com
THE DESIGNS SHOWN AND D NCLUDING ALL TECHNICAL D GRAPHIC REPRESENTATION & THEREOF, ARE PROPRIETARY COPIED, DUPLICATED, OR CO EXPLOITED IN WHOLE OR IN THE SOLE AND EXPRESS WE PERMISSION FROM DONALD D ARCHITECT THESE DRAWINGS ARE AVAIL JMITED REVIEW AND EVALUA CONSULTANTS, CONTRACTOR AGENCIES, VENDORS, AND C DNLY IN ACCORDANCE WITH	DESCRIBED HEREIN DRAWINGS, & MODELS Y & CAN NOT BE DMMERCIALLY PART WITHOUT RITTEN I. WELCH LABLE FOR ATION BY CLIENTS, RS, GOVERNMENT DFFICE PERSONNEL THIS NOTICE.
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BUILDING 'F' REMODELED FLOOR PLAN sheet	6A



Donald L. Welch Architect	7533 Sandy Land Lane midvale utah 84047 801-548-6391 dwelch5977®msn.com
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NOTE: REFER TO SHEET A2.1C, BUILDING 'A' EXISTING ROOF PLAN, FOR GENERAL NOTES

Donald L. Welch	Architect	7533 Sandy Land Lane midvale utah 84047 801-548-6391 dwelch5977®msn.com
The designs Ncluding Al Graphic Rep Thereof, Ari Copied, Dupl Exploited in The Sole An Permission F Architect These drawii Limited Revie Consultants Agencies, Ve DNLY IN Acco	SHOWN AND L TECHNICAL RESENTATION E PROPRIETAT JCATED, OR (WHOLE OR II D EXPRESS V ROM DONALD NGS ARE AVA W AND EVAL S, CONTRACTO NDORS, AND ORDANCE WIT	DESCRIBED HEREIN DRAWINGS, & MODELS RY & CAN NOT BE COMMERCIALLY N PART WITHOUT WRITTEN I. WELCH ALABLE FOR UATION BY CLIENTS DRS, GOVERNMENT OFFICE PERSONNEI H THIS NOTICE.
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Unified Fire Authority, Greater Salt Lake **Fire Prevention Bureau Building and Site Development Plan Review**

Salt Lake County Townships **UNIFIED FIRE AUTHORITY REVIEW**

Date: January 23, 2017

Permit #: 170067

Project Name: New Brighton Recovery Campus

Address: 4911 S 900 E, SALT LAKE CITY UT 84117

Thank you for submitting your plans for the New Brighton Recovery Campus project. Please review all comments contained in this letter. This project SHALL, be designed to meet all requirements of the 2012 International Fire Code. Please contact the Area Fire Marshal Don Buckley at (801) 824-3714 for any and all inspections or questions.

Comments:

- 1. Fire Sprinklers Required. Deferred submittal for fire sprinkler shop drawings are to be sent directly to the following address: Unified Fire Authority, 3380 South 900 West, Salt Lake City, Utah 84119. Attention: Stewart Gray. A minimum of two sets of plans, complete with manufacturer cut sheets, and hydraulic calculations. Plans must be ink signed by a NICET level III or better in Auto Sprinkler Layout. (There needs to be a hydrant with-in a 100 feet of the FDC.) FDC is required to have KNOX Locking Caps. ALL FIRE PROTECTION PLANS REQUIRE 3rd PARTY REVIEW PRIOR TO BE SUBMITTED TO THE UNIFIED FIRE AUTHORITY.
- 2. Post Indicator Valve with Tamper Required. If there is no designated fire riser room with a direct access door from the outside. There shall be either a wall mounted P.I.V (OS&Y) or a typical P.I.V placed a minimum distance of 40 feet from the building with a tamper switch.
- 3. Low Frequency Fire Alarm Required. Deferred submittal for fire alarm shop drawings are to be sent directly to the following address: Unified Fire Authority, 3380 South 900 West, Salt Lake City, Utah 84119. Attention: Stewart Gray. A minimum of two sets of plans, complete with manufacturer cut sheets, and battery calculations. Plans must be ink signed by a NICET level III or better in Fire Alarm Systems. ALL FIRE ALARM PLANS REQUIRE 3rd PARTY REVIEW PRIOR TO BE SUBMITTED TO THE UNIFIED FIRE AUTHORITY.
- 4. Knox Boxes Required. Fire Department "Knox Brand" lock box to be mounted to exterior walls, near the main entrance and/or nearest the door serving the exterior access to the fire sprinkler riser room. (At a height of 5 feet to the top of the box) Lock box purchase can be arranged by the General Contractor. See attached information form.

ALL LAUNDRY ROOM EQUIPMENT TO BE ACCESSIBLE AS NOTED BELOW:

308.3.1 UNOBSTRUCTED SIDE REACH. WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 ALLOWS A PARALLEL APPROACH TO AN ELEMENT, AND THE EDGE OF THE CLEAR FLOOR SPACE IS 10 INCHES. MAXIMUM FROM THE ELEMENT. THE HIGH SIDE REACH SHALL BE 48" MAXIMUM. AND THE LOW SIDE REACH SHALL BE 15 INCHES ABOVE THE

308.3.2 OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, ALLOWS A PARALLEL APPROACH TO AN ELEMENT, AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES ABOVE THE FLOOR. AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAXIMUM. THE HIGH SIDE REAH SHALL BE 48 INCHES MAXIMUM ABOVE THE FLOOR FOR A REACH DEPTH OF 10 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES. THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM ABOVE THE FLOOR FOR A REACH DEPTH OF 24 INCHES MAXIMUM.

EXCEPTION: AT WASHING MACHINES AND CLOTHES DRYERS, THE HEIGHT OF THE OBSTRUCTION SHALL BE PERMITTED TO BE 36" MAXIMUM ABOVE THE FLOOR.

309 OPERABLE PARTS

309.3 HEIGHT. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN SECTION 308.

309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS MAXIMUM.

611.3 OPERABLE PARTS FOR LAUNDRY EQUIPMENT. OPERABLE PARTS, INCLUDING DOORS, LINT SCREENS, DETERGENT AND BLEACH COMPARTMENTS, SHALL COMPLY WITH

611.4 HEIGHT OF LAUNDRY EQUIPMENT. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT 36 INCHES MAXIMUM ABOVE THE FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARMENT, 15 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FLOOR.

background.

F	QUIPMENT/ACCESSOR	Y SCHEDIJIE - REFER TO A	44 St	HFF	TS	FOR FNI ARGED PLANS					
		MANUFACTURER / VENDOR						FGENID	RESTROOM ACCESSORIES SC	CHEDULE	
		INANDIACIURER / VENDOR			$\frac{1}{C}$				MARK ITEM	MANUF./ MODEL NO.#	NOTES:
	I AVATORY - COUNTERTOP ACCESSIBLE	SEE PLUMBING SCHEDULE	•		•				1 NOT USED		
2	4"X4" X 4'-0" HIGH TILE SURROUND	SEE SPECIFICATIONS; REAR OF MOP SINK	•		•				2 WALL MTD. SOAP DISPENSER	BOBRICK OR BRADLEY	
3	ADA SHOWER SEAT	SEE FINISH SCHED.; COORD. W/ PREFAB	•		•	SEE NOTE A.		- CONTRACTOR	3 ROBE HOOK @ 6'-0" A.F.F.	BOBRICK OR BRADLEY	
		SHOWER UNIT							4 PARTITION MTD. SANITARY NAPKIN DISPOSAL	BRADLEY 4721–15	
4	TOILET GRAB BAR	TO MEET A.D.A. REQUIREMENTS	•		•	PROVIDE BLOCKING PER MANUFACT. RECOMMENDATION		- VENDOR	5 WALL MID. SANITARY NAPKIN DISPOSAL	BRADLEY 4/22-15	
5	TOILET PAPER HOLDER - CHROME	COORD. WITH OWNER-SEE FINISH SCHED.	•		•				6 PARTITION MTD. TOILET TISSUE DISPENSER	BOBRICK OR BRADLEY	
6	SHOWER GRAB BARS	COORDINATE WITH PRE-FAB SHOWER	•		•	PROVIDE BLOCKING PER MANUFACT. RECOMMENDATION			7 WALL MID. TOILET TISSUE DISPENSER	BRADLEY 5412	
	SHOWER SPRAY UNIT - 60" LONG HOSE,	SEE FINISH SCHEDULE ¢			•				8 SANITARY NAPKIN DISPENSER	BRADLEY 401	
	HEAD HEIGHT ADJUSTABLE FROM 26" 10								9 TOWEL DISPENSER / WASTE CAN	BRADLEY 235	
8	54" ABUVE TUP OF TUB	SEE PLUMBING SCHEDULE	•		•	IN ACCESSIBLE ROOMS INSTALL AT 8" FROM EDGE OF			10 TOILET STALL PARTITION		
	JHOWLK CONTROLS					TUB & 8" ABOVE TOP OF TUB. SEE INTERIOR			12 NOD BACK	DRADLET 039	STAINLESS STELL
						ELEVATIONS. SEE INTERIOR ELEVATIONS FOR SHOWERS.					WALL/CLG. MID., STAINLESS STEEL
			•		•						WALL HUNG ABOVE COUNTER TOP
9	STRAIGHT SHOWER CURTAIN ROD -	COORDINATE WITH OWNER	•		•					BOBRICK OR BRADLET	
	CHROME PLATED, SCREW MOUNTED										
10	MIRROR - 16" WIDE X 30" HIGH - ADA		•		•	FIXED TILT MIRROR W/ STAINLESS STEEL FRAME					
								TES:			
	ONE PIECE FIBERGLASS SHOWER UNIT	SEE FINISH SCHEDULE & PLUMBING SCHEDULE	•		•	SEE NOTE B	Α.	IN-TUB SEAT SHALL BE	MOUNTED SECURELY \$		
li i a	ONE FIELE FIDERGLASS ALLESSIDLE	SEE FINISH SCHEDULE & PLUMBING SCHEDULE			•	SEE NOTE B		SHALL NOT SLIP DURING	G USE. STRUCT. STRENGTH		
	JIIOWLK				•		B	VERIEY REQUIREMENT	J. WITH SHOWER MANUE		
							C.	ADA 30"x 48" CLEAR FL	OOR SPACE @ LAVATORY,		
12		CONTACT DESIGNATED SERVICE PROVIDERS	•		•	IN ACCESSIBLE ROOMS PROVIDE TWO SETS, ONE SET		AND 60" x 56" CLEAR F	LOOR SPACE @ WATER		
	BACK OF BATHROOM DOOR 66" A F F					AT GG" AFF AND ONE SET AT 48" AFF.		CLOSET.			
	UNLESS NOTED OTHERWISE						D. F	ADA 36" CLEAR FLOOR	SPACE @ SHOWER.		
13	TOWEL RACK - CHROME 18" WIDE	CONTACT DESIGNATED SERVICE PROVIDERS	•		•			BOX - COORD. W/ ELEC	. DWGS. (SEE 8/A-9 FOR		
								BACK-TO-BACK CONDIT	ΓΙΟΝ).		
14	FLAT PANEL TELEVISION W/ FIXED	CONTACT DESIGNATED SERVICE PROVIDERS	•		•	40" OR 60" FLAT SCREEN PER OWNERS PREFERENCE		NOTE: ELEC. OUTLETS I	N ALL GUEST ROOMS SHALL		
	MOUNTING BRACKET						F	BE 4" HIGHER THAN IN (COMMON AREAS.		
			•		•		G	FURNISHING	STACL AROUND DLD.		
15	ADA CLEARANCE					SEE NOTE D	H.	CONTRACTOR TO PROV	/IDE AND INSTALL BLOCKING		
16	ADA CLEARANCE					SEE NOTE D		AND COORDINATE ELEC	CTRICAL INSTALLATION W/		
	ACCESSIBLE SINK ERONT/PLUMBING	SEE PLUMBING SCHEDUIE						ELECTRICAL DRAWINGS			
18	BLULT-IN MICROWAVE ABOVE OVENS	COORDINATE WITH OWNER			•	SFF NOTE I	J. K	NOT USED			
19	REFRIGERATOR	COORDINATE WITH OWNER •			•	SEE NOTE L	L.	ALL OWNER SUPPLIED I	TEMS MUST BE PURCHASED		
20	COOK-TOP	COORDINATE WITH OWNER •			•	SEE NOTE L		THROUGH ONE OF THE	OWNER DESIGNATED		
21	COOK-TOP HOOD	COORDINATE WITH OWNER •			•	SEE NOTE L		SERVICE PROVIDERS.	COORDINATE WITH OWNER.		
22	DOUBLE OVEN	COORDINATE WITH OWNER •			•	SEE NOTE L					
23	UNDER-COUNTER DISHWASHER	COORDINATE WITH OWNER			•	SEE NOTE L					
24	DOUBLE SINK W/ DISPOSAL	SEE PLUMBING DRAWINGS	•		•						
25	CLOTHES WASHER	COORDINATE WITH OWNER •		_	•						
26	PECESSED WALL BONING BOARD	COORDINATE WITH OWNER			•						
21	COUNTERTOR PLASTIC LANALATE OVER				•	SEE NUIE T					
20	3/4" SUBSTRATE - 1 1/2" SUBSTRATE AT				-						
	PERIMETER W/ BACKSPI ASH										
29	ADA CLEARANCE					SEE NOTE F					
30	4" x 4" CERAMIC WALL TILE SURROUND		•		•						
	X 4'-0" HIGH AT CUSTODIAL MOP SINK										
31	PREFABRICATED GAS FIREPLACE	COORDINATE WITH FINISH SCHEDULE	•		•	COORDINATE WITH PLUMBING AND ELECTRICAL					
						FOR GAS BIBB AND ELECTRICAL SWITCH					
32	STAINLESS STEEL OR LAMINATE	COORDINATE WITH OWNER	•		•	PROVIDE BLOCKING PER MANUFACT. RECOMMENDATION					
	I UILET PARTITIONS AND PARTITION DOORS		<u> </u>								
33 21	UNDER-COUNTER SPECIMEN REFRIGERATOR				•	COOPDINATE WITH PLUMPING					
25	JINGLE LAD JINN	COORDINATE WITH OWNER			• •	SEE NOTE I					
36	THROUGH_W/ALL SPECIMENT PASS THPLI	STAINIESS STEFI-BOBRICK OR FOUNVALENT			•	#B505.11 1/2" W/ X 10 7/8" HIGH. SEE NOTE 1					
37	SINGLE BAR SINK	COORDINATE WITH OWNER	•		•	COORDINATE WITH PLUMBING					
38	COUNTERTOP/CABINET - PLASTIC LAMINATE	COORDINATE WITH OWNER	•		•	SEE NOTE H					
	OVER 3/4" SUBSTRATE - 1 1/2" SUBSTRATE										
	AT PERIMETER W/ BACKSPLASH										
39	COUNTER-TOP MICROWAVE	COORDINATE WITH OWNER •			•	SEE NOTE L					

Donald L. Welch Architect ne 47 La 40. б С 7533 Sandy Lan midvale utah 801-548-6391 dwelch5977 THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD I. WELCH ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR IMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE. consultant: 12-28-296 project: Tenant Finish for Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, 4953 South 900 East Salt Lake County, Utah date DECEMBER 28, 2016 revisions JANUARY 3, 2017 SECOND SUBMITTAL FOR EACH SEPERATE BUILDING PARCEL ADDENDUM #2-BUILDING 'A' JANUARY 6, 2017 ADDENDUM #2-BUILDING 'C' JANUARY 17, 2017 ADDENDUM #4-BUILDING 'B' FEBRUARY 24, 2017 ADDENDUM #7-BUILDING 'A' BUILDING 'F' data project no: drawn by: checked by: DLW title EQUIPMENT/ ACCESSORY SCHEDULE sheet A4 \neg

POON							× 1 L				GENERAL NOTES FOR ALL 6 BUILDINGS:
NO.		FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILG.	HGT.	REMARKS	1- TO MEET THE ENERGY CODE REQUIREMENTS.
	EXISTING BUILD	ING 'D'	-COMN	IUNITY	CENTE	R		•			PROVIDE ⁵ / ₈ " PAINTED GYP. BD. ON 2X4 S FURRING @ 24" O.C., AND R-13 BATT OR
D100		F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	´	BLOWN-INSULATION AT ALL EXISTING EXTERIOR WALLS. AT WINDOW SILLS AN
D101	TALENT PLATFORM	F-0	B-3					C-1	±10-4"	-	HEADS, BELOW NEW CEILINGS.
D103		F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	2- PROVIDE NEW R-38 BATT, OR BLOWN-
D104	SERVING	F-6	B-2	W-4		W-4	 \\\\ 1	C-1/	±10'-4"	5	BUILDINGS-COORDINATE WITH NEW FIR
D105A	WATER HEATER (W.H.)	F-5	B-4	W-3	W-3	W-1 W-3	W-1 W-3	C-2	±10'-4"	6	SPRINKLER LINES ABOVE NEW CEILING.
D106	CUSTODIAN	F-3	B-1	W-1	W-1	W-1	W-1	C-1	±10'-4"	6	3. COORDINATE WITH REFLECTED CEILII PLANS FOR 12" DEEP X 36" WIDE
D107	MEN'S RESTROOM	F-2	B-2 B-2	W-2	W-2	W-2	W-2	C-1	±10'-4" +10'-4"	5	COLD WATER PIPING LINES -ALSO
D108A	ELECTRICAL ROOM	F-3	B-1	W-1	W-1	W-1	W-2	C-1	±10'-4"	-	COORDINATE WITH PLUMBING PLANS FO AND COLD WATER PIPING LINE LOCATIC
D109	RECEPTION/OFFICE	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	
D110	CHECK-IN/EXIT	F4 F-4	B-3 B-3	W-1 W-1	W-1 W-1	W-1 W-1	W-1 W-1	C-1 C-1	±10'-4" +10'-4"	-	IN COMMON AREA:
D112	COMMON AREA	F-4	B-3	W-1	W-1		W-1	C-1	±10'-4"	-	NAPOLEON FIREPLACES
D113	WORK-OUT ROOM	F-4	В-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	PRODUCT CODE: WHVF31
D113A	ROOF ACCESS	F-3 F-4	В-1 В-3	W-3 W-1	W-3	W-3 W-1	W-3 W-1	C-2	±10'-4" +10'-4"	-	VENT FREE GAS FIREPLACE 28" H X 43 ⅔6" WIDE X 9 ⅛" DEEP
D114A	FIRE RISER ROOM	F-5	B-4	W-3	yr-3	W-3	W-3	C-2	±10'-4"	_	OR EQUIVALENT
D115	MALE EMPL. LOCKER RM	. F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	OR
D115A	FEMALE EMPL. LUCKER	F-4	-3	W-1 WA1	<u> </u>	W-1	W-1	C-1	±10'-4"	-	NAPOLEON FIREPLACES DIRECT VENT GAS FIREPLACE
D117	MUSIC ROOM			W,1	W-1	W-1	W-1	C-1	±10'-4"	***	ASCENT LINEAR 36
D118	OFFICE	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	34 ½" HIGH X 35" WIDE X 16 ¼" DEEP
D119	COMPUTER LAB		B-3				W-1		±10'-4"	-	REQUIRED DIMENSIONS
		U									***MUSIC ROOM:
			$\overline{}$					-			PROVIDE 5/4" PAINTED GYP. BOARD ON 3/4"
			\mathbf{h}	R A	╎┨╶╍┱╸						RESILIENT CHANNELS @ 24" O.C., HORIZONTALLY, ON 2X4 STUDS, AND ALSO
			К	₩			A				PROVIDE SOUND INSULATION IN ALL INTERIC
				▎▋	▋						WALLS AROUND MUSIC ROOM
							$ \rangle$				PREFABRICATED FIREPLACE UNI
EXIST	 ING BUILDING 'E' (I/ CONTI	l NUED-f	 PRECEI	L EDING	I EXISTI	I \ NG BVI	l ILDING	 'E' SCł	L HEDULE)	NAPOLEON FIREPLACES 1-866-820-8686 PLAZMA FIRE VF31
E129	STORAGE	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	PRODUCT CODE: WHVF31 VENT FREE GAS FIREPLACE
E130	DINING/GREAT ROOM	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	4	28" H X 43 $\frac{5}{16}$ " WIDE X 9 $\frac{1}{8}$ " DEEP
E131 E132		F-4 F-4	В-3 В-3	W-1 W-1		W-1 W-1	W-1 W-1		±10'-4" ±10'-4"	-	
E133	EXIT HALL	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	_	
E134	TOILET	F-2	B-2	W-2	W-2	W-2	W-2	C-1	¥10'-4"	5	DIRECT VENT GAS FIREPLACE
E135		F-4 F-5	В-3 В-3	W-1 W-3	W-1 W-3	W-1 W-3	W-1 W-3	C-1 C-1	±10'-4" ±10'-4	-	PRODUCT CODE: BL36
E136	GAT HERING/LEARNING	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	34 ½" HIGH X 35" WIDE X 16 ¼" DEEP COORDINATE FIREPLACE SURROUND TC
E137		F-4	B-3	W-1			W-1	C-1	±10'-4"	<u> </u>	REQUIRED DIMENSIONS
E138	A.V. ROOM	F-4 F-4	в-з В-3	W-1	W-1	 W-1	 W-1	C-1	±10-4 ±10'-4"	-	PREFABRICATED SHOWER UNITS
E140	SERVING CENTER	F-4	B-3		W-1			C-1	±10'-4"	- \	www.FreedomShowers.com 1-877-947-7769
/										$ \rightarrow $	Or equivalent (dimensions shown on plans ar
											for other prefab showers selected.
											4-Piece for Remodeling
EXIST	ING BUILDING 'F' ('E' SCH	HEDULE)	ADA Transfer Shower Features: •Outside Dimensions: 38 5/8"w x 38 7/16"d x
F129 F130	DINING/GREAT ROOM	F-4	В-3	W-1	W-1	W-1	W-1 W-1	C-1	±10'-4"	4	•ADA compliant inside dimension 36" x 36" •4-piece unit for remodeling
F131	FAMILY ROOM	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	•1/2" barrier free threshold
F132	KITCHEN	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	•Self-supporting and pre-leveled shower
											•Full wood backing
											•Subway tile pattern •Easy-to-clean gelcoat finish
											 Textured slip-resistant floor Made in America
											•30 Year Manufacturer's Limited Warranty
											Commercial Code Compliance: •ADA Accessibility Guidelines for Buildings ar
											•IPC International Plumbing Code
											•ANSI Z124.2 Standards for Plastic Showers
FLOO		I			<u>E</u>	BASE:		ОГ			•CSA approved
F-1 F-2	2X2 CERAMIC TILE	_			E	3-1 RES 3-2 4"H	IGH CERA				
⊢-3 F-4	1x4 HARDWOOD FLOORI				E	ь-з ная 3-4 NO I	BASE	ASE			
F-5 F-6	UNFINISHED CONCRETE 8X8 QUARRY TILE-SEALE	-GLEANED ED			C	<u>CEILI</u> NGS:					PROVIDE THE FOLLOWING AVAILABLE AC
W-1	S. PAINTED GYP. BOARD				(C-1 PAI	NTED GYP PSUM BOA	P. BOARD-1)	(UNLESS DIRECTED OTHERWISE BY C •Z Strip to create receiver flange (recommend
W-2 W-3	4X4 CERAMIC TILE (5'-0" H GYPSUM BOARD UNPAIN	HIGH WAIN	SCOT)		(C-3 EXF	POSED STR	RUCTURE			•Folding Shower Seat •Grab Bars
W-4 INTEF	8' HIGH FIBER REINFORC	ED PLAST DTES:	IC (FRP) P	ANELS							•Shower Rod •Weighted Curtain
1. Pl								TION TO C	ONCRETE	INSIDE.	Pressure Balance Valve Hand-held Shower and Slide Bar
∠. PI 3. PI	REFABRICATED SHOWER I	JNITS-SEE			SPECIFICA			I, THIS SHE	ET.		Surface mount stainless soap dish Caulklass Drain
4. P 5. P	ROVIDE PAINTED GYP. BD.				OT & FRP	PANELS.		אוכ, ודו∂ S			•Collapsible Water Retainer
6. Pl Cl	ROVIDE CERAMIC TILE WA ERAMIC TILE WAINSCOT.	INSCOT AF	ROUND 3 S	IDES OF FI	LOOR SINK	K-PROVIDE	PAINTED	GYP. BD.	ABOVE		•Color upgrade to Bone or Biscuit- TO BE SELECTED BY OWNER

	ROOM	ROOM NAME	FLOOR	BASE		WA	LLS		CEILG.	CEILG.	REMARKS	ROOM	ROOM NAME
					NORTH	EAST	SOUTH	WEST		HGT.		NO.	
ED GYP. BD. ON 2X4 STUD		EXISTING BUILD	ING 'E'			_			_				EXISTING BUILI
NAT ALL EXISTING	E100	EXIT HALL	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-/	F100	EXIT HALL
AT WINDOW SILLS AND V CEILINGS.	E101	RESIDENT LAUNDRY	F-3	B-1	W-1	W-1	W-1	W-1	C-1	±10'-4"	/-	F101	RESIDENT LAUNDRY
	E102	ELECTRICAL	F-3	B-1	W-1	W-1	W-1	W-2	C-1	±10'-4"	/-	F102	ELECTRICAL
38 BATT, OR BLOWN-IN NEW CEILING IN ALL	E103		F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	F103	
NATE WITH NEW FIRE	E103A	BATHROOM	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5	F103A	BATHROOM
BOVE NEW CEILING.	E103B		F-1	D-3		VV-1	VV-1		<u> </u>	±10-4	3	F103B	
	E103C		 F-1	 B-3		 	 W-1	 W-1		+10'-4"		F104	
LING AREAS, FOR HOT &	E104	BATHROOM	F-2	B-0 B-2	W-1	W-2	W-1	W-1	C-1	410'-4"	5	F104A	BATHROOM
G LINES -ALSO	E104B	CLOSET	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	_	F104B	CLOSET
PLUMBING PLANS FOR HOT PIPING LINE LOCATIONS	E104C	SHOWER			_		_		/	-	3	F104C	SHOWER
	E105	STORAGE	F-4	B-3	W-1	W-1	W-1	W-1	9 -1	±10'-4"	_	F105	STORAGE
REPLACE UNIT	E106	VESTIBULE	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	F105A	FIRE RISER ROOM
	E107	A.D.A. SEMI-PRIVATE UNI	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	F106	VESTIBULE
	E107A	BATHROOM	F-2	B-2	W-2	W-2	W-2	W-2	/ C-1	±10'-4"	5	F107	SEMI-PRIVATE UNIT
1	E107B	DOUBLE CLOSET	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	F107A	BATHROOM
	E107C	SHOWER			_		_	- /		_	3	F107B	DOUBLE CLOSET
^{8°} DEEP	E108	LINEN	F-4	B-3	W-1	W-1	W-1	w-1	C-1	±10'-4"	-	F107C	SHOWER
	E109		F-4	B-3	W-1	W-1	W-1	/V-1	C-1	±10'-4"	-	F108	
	E110	SEMI-PRIVATE UNIT	F-1	B-3	W-1	W-1	W-1		C-1	±10'-4"	-	F109	
	E110A	BATHROOM		B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5	F110	
LACE	E110B	CLOSET		B-3	VV-1	VV-1	VV-1		C-1	±10'-4"	-	F110A	BATHROOM
	E110C	SHOWER		B-3		VV-1			<u> </u>	±10-4	-	F110B	
16 ¼" DEEP E SURROUND TO MEET	E110D		F-1	 B-3				 W_1	 C-1	+10'-4"	5	F1100	SHOWER
	E111A	BATHROOM	F-2	B-3	W-1	W-2	W-2	W-1	C-1	+10'-4"	5	F111	SEMI-PRIVATE UNIT
	E111B	CLOSET	F-1	В-3	W-1	W-1		W-1	C-1	±10'-4"	_	F111A	BATHROOM
	E111C	CLOSET	F-1	В-3	W-1	W-1		W-1	C-1	±10'-4"	_	F111B	CLOSET
YP. BOARD ON ¾" ◎ 24" O.C.	E111D	SHOWER		\	_		/ -			-	3	F111C	CLOSET
STUDS, AND ALSO	E112	HALL	F-4	B -3	W-1	W-1	W-1	W-1	C-1	±10'-4"	_	F111D	SHOWER
ATION IN ALL INTERIOR	E112A	ROOF ACCESS	_F-3	в-	W-3	<u>w-</u> ø	W-3	W-3	C-2	±10'-4"	-	F112	HALL
	E113	DINING/GREAT ROOM	F	В-3	W-	/ -1	W-1	W-1	C-1	±10'-4"	4	F112A	ROOF ACCESS
D FIREPLACE UNITS:	E114	FAMILY ROOM	F	в-3	\ W-1	/ V-1	W-1	W-1	C-1	±10'-4"	-	F113	DINING/GREAT ROOM
CES 1-866-820-8686	E115	KITCHEN	F-4	В-3	W-1	₩-1	VV-1	W-1	C-1	±10'-4"	-	F114	FAMILY ROOM
1// [24	E116	STORAGE	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	F115	KITCHEN
EPLACE	E117	HALL		E 3	\w		W	VV	C-1	±10-4"	-	F116	STORAGE
X 9 ½" DEEP	E118	SEMI-PRIVATE UNIT	51	E B 3	<u>\</u>	W-			C-1	±10'-4"	-	F117	HALL
	E118A	BATHROOM	F		W	W-			C-1	±10'-4"	5	F118	SEMI-PRIVATE UNIT
	E118B	CLOSET	F-1	B-3	W-1 V	W-1	W-1	W-1	C-1	±10'-4"	-	F118A	BATHROOM
CES	E118C							/V-1		±10'-4"	-	F118B	
IREPLACE	E118D										3	F118C	
36	E119		F-2	B-2	W-2	W-2	W-2	W-2	C-1	+10'-4"	5	F110D	
	E119A	CLOSET	F-1	B-2 B-3	W-1	VX-1	W-1	W-2	C-1	+10'-4"	_	F119A	BATHROOM
ONS	E110D	CLOSET	F-1	B / 3		w-1	W-1	W-1	C-1	±10'-4"	_	F119B	CLOSET
	E119D	SHOWER		<u> </u>	_	<u> </u>	_			_	3	F119C	CLOSET
O SHOWER UNITS:	E120	LINEN	F-4	В-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	_	F119D	SHOWER
s.com 1-877-947-7769	E121	LINEN	F-4	В-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	_	F120	LINEN
edom ADA Transfer Shower	E122	A.D.A. SEMI-PRIVATE UNI	F-1	В-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-	F121	LINEN
ver. adjust wall dimensions	E122A	BATHROOM	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5	F122	SEMI-PRIVATE UNIT
ers selected.	E122B	CLOSET	F-1	B-3	W-1	W-1	W ₁	W-1	C-1	±10'-4"	-	F122A	BATHROOM
9	E122C	CLOSET	7 -1	B-3	W-1	W-1	w-Ŋ	W-1	C-1	±10'-4"	-	F122B	DOUBLE CLOSET
Features:	E122D	SHOWER			_		_ `			-	3	F122C	SHOWER
38 5/8"w x 38 7/16"d x 79"h dimension 36" x 36"	E123	HALL	F-4	B-3	W-1	W-1	W-1		C-1	±10'-4"	-	F123	HALL
leling	E124	CUSTODIAN	F-3	B-1	W-1	W-1	W-1	W-1	C-1	±10'-4"	6	F124	CUSTODIAN
old	E125	A.D.A. PRIVATE UNIT	F-1	B-3	W-1	W-1	W-1		C-1	±10'-4"	_	F125	A.D.A. PRIVATE UNIT
re-leveled shower	E125A	BATHROOM	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5	F125A	BATHROOM
setting	E125B	CLOSET	F-1	B-3	W-1	W-1	W-1	W\1	C-1	±10'-4"	-	F125B	
	E125C	SHOWER			-		-	- \		-	3	F125C	SHOWER
t finish t floor	E126		F-1	B-3	VV-1	VV-1	VV-1	VV-1		±10'-4"	-	F126	
	E126A		F-2	B-2	VV-2	VV-2	VV-2	VV-2		±10'-4"	5	F126A	BATHROOM
's Limited Warranty	E120B	SHOWER								±10=4	3	F126C	SHOWER
npliance:	F127		F-3	B-1			W-1	W-1	0-1	+10'-4"		F127	
idelines for Buildings and Facilities	E128		F-4	B-3	W-1	W-1	W-1	W-1		±10'-4"		F128	EXIT HALL
ng Code	E129	STORAGE	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	_	****REFE	R TO ADJACENT EXISTING
ds for Plastic Showers	litico	R TO ADJACENT EXISTING I	I BUILDING 'I	D' FIN. SCH	IED., FOR (I CONTINUA	L TION OF EX	L (ISTING BL	JILDING 'E'	AINISH SC	LEDULE****		
Die and Oseable buildings and Faci	FLOOF	<u>R:</u>				<u>E</u>	BASE:					FLOO	 <u>DR:</u>
	F-1					E	3-1 RES			\backslash		F-1	
ce or regional requirements)	F-2 F-3	VINTL COMPOSITION TIL	Ξ			E	∠ 4 ⊓I 3-3 HAR		ASE			F-2 F-3	VINYL COMPOSITION TH
	F-4 F-5	1x4 HARDWOOD FLOORII				E	3-4 NO E	BASE				F-4 F-5	1x4 HARDWOOD FLOOR
JAMINO AVAILADLE AUGEOOUKIE	F-6	X8 QUARRY TILE-SEALE	D			ſ	CEILINGS [.]			\setminus		F-6	8X8 QUARRY TILE-SEAL
ED OTHERWISE BY OWNER:	W-1	PAINTED GYP. BOARD				(C-1 PAI	NTED GYP	. BOARD-T	EXTURED		W-1	<u></u> PAINTED GYP. BOARD
	W-2	4X4 CERAMIC TILE (5'-0" H	IIGH WAIN	SCOT)		((2-2 GYF 2-3 EXP	SUM BOA	RD UNPAII	NTED		W-2	4X4 CERAMIC TILE (5'-0"
	VV-3/ VV-4	8' HIGH FIBER REINFORC	ED PLAST	IC (FRP) PA	ANELS				UNL			W-3 W-4	8' HIGH FIBER REINFOR
		IOR FINISH SCHEDULE NO	TES:									INTE	RIOR FINISH SCHEDULE N
lve od Slide Per									TION TO C	ONCRETE		1. F	
iu Silae Bar ess soap dish	2. PR	REFABRICATED SHOWER I	ULG. IN TO	ILET ROOM	IS AND ALC TION AND	SPECIFIC	ATION INFO	DOMS-TYP RMATION	ICAL. , THIS SHE	ET.:	\setminus	2. F 3. F	'KOVIDE DROPPED GYP. BD PREFABRICATED SHOWER
	4. PR		E UNITS-SE		IATION AN	D SPECIFI		FORMATIC	ON, THIS SI	HEET.:	\setminus	4. F	PREFABRICATED FIREPLAC
anor								`			\ I	5 5	ZEUVINE PAINTED CVD BD

INTERIOR FINISH SCHEDULE

5. PROVIDE PAINTED GYP. BD. ABOVE CERAMIC TILE WAINSCOT, AND FRP PANELS. PROVIDE CERAMIC TILE WAINSCOT AROUND 3 SIDES OF FLOOR SINK-PROVIDE PAINTED GYP. BD. ABOVE CERAMIC TILE WAINSCOT.

CERAMIC TILE WAINSCOT.

INTERIOR FINISH SCHEDULE

	FLOOR	BASE		WA	LLS		CEILG.	CEILG.	REMARKS
	12001	5,02	NORTH	EAST	SOUTH	WEST	021201	HGT.	
LD	ING 'F'								
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-3	B-1	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-3	B-1	W-1	W-1	W-1	W-2	C-1	±10'-4"	-
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	 F-1	 B-3	 W-1	— W-1	 W-1	— W-1	 C-1	+10'-4"	ა
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
				-		-	-		3
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-3	B-1	W-3	W-3	W-3	W-3	C-1	±10'-4"	
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-1 F-2	в-з В-2	W-2	W-1	W-2	W-1	C-1	±10-4 +10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
				_		_			3
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
							<u> </u>	±10-4	3
	F-1	В-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
				-		-			3
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-3	B-1	W-3	W-3	W-3	W-3	C-2	±10'-4"	
	F-4 F-4	в-з В-3	W-1	W-1	W-1	W-1	C-1	±10-4 +10'-4"	4
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
		в-э 			VV-1	VV-1		±10-4	3
	F-1	В-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
				-		-			3
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-1 F-2	В-3 В-2	W-1 W-2	W-1	W-1 W-2	W-1 W-2	C-1	±10-4 +10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
						_			3
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-3	B-1	W-1	W-1	W-1	W-1	C-1	±10'-4"	6
	F-1	B-3	W - 1	W-1	W-1	W-1	C-1	±10'-4"	
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	 F_1	R_2	 \/\/_1		 \/\/_1	— \\\/_1	 C_1	 +10'-4"	
	F-2	B-2	W-2	W-2	W-2	W-2	C-1	±10'-4"	5
	F-1	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	-
									3
	F-3	B-1	W-1	W-1	W-1	W-1	C-1	±10'-4"	
	F-4	B-3	W-1	W-1	W-1	W-1	C-1	±10'-4"	
IG B	UILDING 'C)' FIN. SCHI	ED., FOR C	ONTINUAT	ION OF EX	ISTING BUI	ILDING 'F' F	INISH SCH	HEDULE****

Lane 4047 Welch Donald L. We Architect ndy Land utah 84 Sar ale 7533 midv THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD I. WELCH ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS. CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE. consultant: 12-28-296 project: Tenant Finish for Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, 4953 South 900 East Salt Lake County, Utah date DECEMBER 28, 2016 revisions JANUARY 3, 2017 SECOND SUBMITTAL FOR EACH SEPERATE BUILDING PARCEL JANUARY 6, 2017 ADDENDUM #2-BUILDING 'C' JANUARY 17, 2017 ADDENDUM #4-BUILDING 'B' ADDENDOW #7-DOILDING 'D' FEBRUARY 24, 2017 ADDENDUM #7-BUILDING 'A' BUILDING 'F', 'B', 'C', 'D', 'E' MARCH 20, 2017 ADDENDUM #8-BUILDING 'A' data Building 'f' project no: drawn by: checked by: DLV title Finish Schedules sheet A6 1B

TION TILE FLOORING ICRETE-CLEANED -SEALED

E (5'-0" HIGH WAINSCOT)

UNPAINTED INFORCED PLASTIC (FRP) PANELS

DULE NOTES:

GE AT CARPET AND VINYL COMPOSITION TILE TRANSITION OR TRANSITION TO CONCRETE INSIDE. GYP. BD. CLG. IN TOILET ROOMS AND ALCOVES INTO TOILET ROOMS-TYPICAL.

OWER UNITS-SEE INFORMATION AND SPECIFICATION INFORMATION, THIS SHEET.: REPLACE UNITS-SEE INFORMATION AND SPECIFICATION INFORMATION, THIS SHEET.:

5. PROVIDE PAINTED GYP. BD. ABOVE CERAMIC TILE WAINSCOT, AND FRP PANELS.

6. PROVIDE CERAMIC TILE WAINSCOT AROUND 3 SIDES OF FLOOR SINK-PROVIDE PAINTED GYP. BD. ABOVE

BASE: B-1 RESILIENT BASE B-2 4" HIGH CERAMIC TILE B-3 HARDWOOD BASE B-4 NO BASE

CEILINGS: C-1 PAINTED GYP. BOARD-TEXTURED

C-2 GYPSUM BOARD UNPAINTED

C-3 EXPOSED STRUCTURE

\sum						C	DOOR S	CHEDUL	E -EXI	STING BL	JILDING	'E'			
			DO	OR					FR	AME					
MARK	WIDTH	SIZE HEIGHT	THICKNESS	MATERIAL	TYPE	FINISH -	HEAD	DETAILS JAMB	SILL	MATERIAL	TYPE	FINISH	FIRE RATING	HARDWARE	REMARKS
(E100)	3'-0"	$\pm 8' - 0''$	1 3/4"	WOOD	A1	STAIN-SEALED	_	-	_	EXISTING	_	REFINISH	_	1	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E101)	3'-0"	8~0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E102)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	_	WOOD	_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E103)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	-	WOOD	_	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E103A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	-	-	WOOD	-	PAINTED	_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E103B)	3'-0"	8'-0"	1 3/4	WOOD	A1	STAIN	-	-	-	WOOD	-	PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E104)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E104A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E104B)	3'-0"	8'-0"	1 3/4"	WOOR	A1	STAIN	-	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E105)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E107)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E107A)	3'-0"	8'-0"	1 3/4"	WOOD	At	STAIN	_	_	_	WOOD	_	PAINTED	- /	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F107B)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED		3	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F108)	PR 1'-6"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	3	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F109)	PR 1'-6"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F110)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F110A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	<u> </u>	_	_	WOOD	_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F110B)	2'-8"	8'-0"	1 3/4"	WOOD	A1	STAIN	$\overline{}$	_	_	WOOD	- /	PAINTED	_	3	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F110C)	PR 1'-6"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	_	_	WOOD		PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN		k - 1	_	WOOD	<u> </u>	PAINTED	_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111A)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_		_	WOOD		PAINTED	_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111B)	2'-8"	<u> </u>	1 3/4"	WOOD	A1	STAIN	• •				_	PAINTED	_	.3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111C)	PR 1'-6"	<u> </u>	1 3/4"	WOOD	A1	STAIN			╶╢╶┢╸		_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F112A)	2'_8"	8'-0"	1 3/4"	WOOD	A1	STAIN	V	╲╹┠	╳╌	WOOD	_		_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F116)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_			_		_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	Ð		TÀÌ	WOOD		PAINTED	_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118A)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN	$-\mathbf{K}$		术ੇ⊢			PAINTED	_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118B)	2'-8"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN				WOOD			_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118C)	PR 1'-6"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_		_	WOOD	_		_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119)	3'-0"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN	\sim			WOOD			_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119A)	3'-0"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN				WODD			_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119B)	2'_8"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN				WOOD	╶┺╘═╲╴		_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119C)	PR 1'_6"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN	/	_	_	WOOD			_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E1130)	PP 1'_6"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN	- _	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F120)	PR 1'_6"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN	_	_	_	WOOD	_		_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
F122	<u>- ΓΝ. 1 -0</u> 3'_0"	<u> </u>	1 3/4"	WOOD	Δ1	STAIN		_		WOOD	_		<u> </u>	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F122)	3'-0"	<u> </u>	1 3/4"	WOOD		STAIN	_	_		WOOD	_			+ 2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E122R)	3'-0"	<u> </u>	1 3/4"	WOOD		STAIN	_	_		WOOD			_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(E122D)	3-0 z' 0"	<u> </u>	1 3/4"	WOOD	A1	STAIN		_		WOOD			<u> </u>	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
	3-0	<u> </u>	1 3/4	WOOD	A1	STAIN	_	_	_	WOOD	_		_	$\overline{}_{2}$	SEE NOTES BELOW & AT DOOR ELEVATIONS
	3-0	<u> </u>	1 3/4	WOOD	A1					WOOD					SEE NOTES DELOW & AT DOOR ELEVATIONS
	3-0	<u> </u>	1 3/4		A1 					WOOD				+ 2	SEE NOTES BELOW & AT DOOR ELEVATIONS
	3-0	0-0	1 3/4	WOOD	A1			_		WOOD				<u> </u>	SEE NOTES BELOW & AT DOOR ELEVATIONS
	3-0	<u> </u>	$1 \frac{3}{4}$	WOOD	A1			_		WOOD				J	SEE NOTES BELOW & AT DOOR ELEVATIONS
E120			1 3/1"		Λ1 Λ1									Ч Л	SEE NOTES BELOW & AT DOOR ELEVATIONS
	3-0	0-0	10/4 1 3/4"	WOOD	A1			_		WOOD				4	SEE NOTES DELOW & AT DOOR ELEVATIONS
	<u> </u>		<u>1 3/4</u> 1 3/4"		ΛI Λ1									J /	SEL INVIES BELOW & AT DOUR ELEVATIONS
	<u> </u>		1 3/4		۸۱ ۸1		_							+ 1	SEE NOTES BELOW & AT DOOR ELEVATIONS
	J-U 7' 0"		1 3/4 1 3/4"		AI	CTAIN SEALED								1	SEE NOTES DELOW & AL DOUR ELEVATIONS
EIJJ		±ŏ-U	I J/4 1 Z/A"				_	-	_		_		_	ן ר	SEE NOTES DELOW & AT DOND FLEVATIONS
			I J/4 1 Z /4"	WOOD			-	-	-	WOOD	_		-	2	SEE NOTES BELOW & AT DOOD NEVATIONS
	PK 2-6		J/4 1 z /4"				_	-	_		_		-	2	SEE NOTES BELOW & AT DOOD SUSVATIONS
CEIJOA)	-rκ. 2-b 		I J/4 1 Z /4"	NULLUW MIL.			_	-	_	TULLUW MIL.	_		_	<u> </u>	SEE NOTES DELOW & AT DOOD SUSVATIONS
	$5 - 0^{-1}$	$\pm 8 - 0^{\circ}$	J/4 1 7 /4"	WOOD			-	-	-	EXISTING	_		-		SEE NUTES BELOW & AT DOOD SUSVATIONS
K139)	3-0	<u> 8 – 0 – </u>	1 3/4	WOOD		5TAIN	_	_	-	WUUD	_	PAINTED	_	Z	SEE NUTES BELOW & AT DOOR ELEVATIONS

							DOORS	SCHEDU	LE -EXI	STING BL	JILDING	€ 'F'			
			DC)OR					Ff	RAME					
MARK		SIZE			T) (D) E	FINIOL		DETAILS			T)/DE	EINIIO	FIRE RATING	HARDWARE	REMARKS
	WIDTH	HEIGHT	THICKNESS	MATERIAL	IYPE	FINISH	HEAD	JAMB	SILL	MATERIAL	TYPE	FINISH			
(F100)	3'-0"	±8'-0"	1 3/4"	WOOD	A1	STAIN-SEALED	-	-	-	EXISTING	-	REFINISH	-	1	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F101)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	-	-	WOOD	-	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F102)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	-	-	WOOD	-	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F103)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	_	-	WOOD	_	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F103A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	_	-	WOOD	_	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F103B)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	-	-	WOOD	-	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F104)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	-	-	WOOD	-	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F104A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	_	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F104B)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	-	WOOD	-	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F105)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	-	-	-	WOOD	-	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F105A)	PR. 2'-6"	8'-0"	1 3/4"	HOLLOW MTL.	. FLAT PANEL	PAINT	_	-	-	HOLLOW MTL.	Ι	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F107)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	-	WOOD	_	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F107A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	-	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F107B)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	-	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F108)	PR. 1'-6"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	_	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F109)	PR. 1'-6"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	-	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F110)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	_	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F110A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F110B)	2'-8"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	_	WOOD	_	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F110C)	PR. 1'-6"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	-	WOOD	-	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	-	WOOD	_	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111A)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	-	WOOD	_	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111B)	2'-8"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	_	WOOD	_	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F111C)	PR. 1'-6"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F112A)	2'-8"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F116)	<u> </u>	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	_	WOOD	_	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118)	<u> </u>	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118A)	<u> </u>	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118B)	2'-8"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F118C)	PR. 1'-6"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119)	3'-0"	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119A)	<u> </u>	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119B)	2'-8"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F119C)	PR. 1'-6"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	-	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F120)	PR 1'-6"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F121)	PR 1'-6"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F122)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F122A)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F122B)	<u> </u>	<u> </u>	1 3/4"	WOOD	A1	STAIN	_	_	_	WOOD	_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F124)	<u> </u>	<u> </u>	1 3/4"	WOOD	A1	STAIN		_	_	WOOD	_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F125)	3'-0"	<u> </u>	1 3/4"	WOOD	A1	STAIN		_	_	WOOD	_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR ELEVATIONS
(F125A)		8'_0"	1 3/4"	WOOD	A1	STAIN	_	-	_		_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F125R)		8'_0"	1 3/4"		Δ1	STAIN	_	_	_		_	PAINTED	_	3	SEE NOTES BELOW & AT DOOR FLEVATIONS
F126	<u> </u>	8'-0"	1 3/4"		A1	STAIN	_	_	_		_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F126A)	<u> </u>	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	_		_	PAINTED	_	2	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F126R)	<u> </u>	8'-0"	1 3/4"	WOOD	A1	STAIN	_	-	_		_	PAINTED	_	.3	SEE NOTES BELOW & AT DOOR FLEVATIONS
(F127)	<u> </u>	8'-0"	1 3/4"	WOOD	A1	STAIN	_	_	_		_	PAINTED	_	4	SEE NOTES BELOW & AT DOOR FLEVATIONS
F128	<u> </u>	+8'-0"	1 3/4"		A1	STAIN-SEALER	_	-	_	FXISTING	_	RFFINISH	_	1	SEE NOTES BELOW & AT DOOR FLEVATIONS
	5 0			1 1000				I	I				I	•	

DOOR SCHEDULE GENERAL NOTES:

1. FIELD VERIFY ALL DOOR DIMENSIONS-COORDINATE WITH OWNER AND ARCHITECT

2. COORDINATE WITH OWNER AND ARCHITECT FOR FINAL DOOR TYPES, DOOR DIMENSIONS, DOOR MATERIAL TYPES & COLOR TYPES & FINISH TYPES.

FIELD VERIFY ALL CONDITIONS, OPENING SIZES, ETC. BEFORE FABRICATION, MANUFACTURING, OR INSTALLATION OF ALL DOORS. COORDINATE WITH LOCAL JURISDICTION FOR TEMPERED GLASS REQUIREMENTS FOR WINDOWS ADJACENT TO DOORS, SPECIFICALLY, THE DIMENSION FROM DOOR TO WINDOW DISTANCE. ALL DOOR HARDWARE TO BE ADA TYPE LEVER HARDWARE AS REQUIRED BY LOCAL JURISDICTION AND PER IBC REQUIREMENTS 5.

COORDINATE WITH OWNER FOR TYPE AND LOCATION OF PRIVACY AND/PASSAGE TYPE HARDWARE FOR EACH DOOR. 6. DOOR NUMBERS CORRESPOND TO THE ROOM NUMBERS ASSOCIATED WITH.

Lane 4047 Welch 7533 Sandy Land I midvale utah 84 801-548-6391 dwelch5977®ms Architect Donald L THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD I. WELCH ARCHITECT ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE. consultant: 12-28-296 project: Tenant Finish for Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, 4953 South 900 East Salt Lake County, Utah date DECEMBER 28, 2016 revisions JANUARY 3, 2017 SECOND SUBMITTAL FOR EACH SEPERATE BUILDING PARCEL JANUARY 6, 2017 2 ADDENDUM #2-BUILDING 'C' JANUARY 17, 2017 ADDENDUM #4-BUILDING 'B' FEBRUARY 24, 2017 ADDENDUM #7-BUILDING 'A' BUILDING 'F' data project no: drawn by: checked by: DLW title Door Schedule sheet A7 1B

				H	ARD	WARI	E SC	HEDU	
HARDWARE SET	CARD KEY LOCK	SECURITY LATCH	ALARM W/ KEY CARD	KEYED LOCK	PRIVACY SET	PASSAGE SET	VIEWER	PANIC BAR	CL CL
1	*	*	*					HANDLE *	1
2				*	*				
3						*			
4						*			
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									

NOTES:1. ALL DOOR HARDWARE SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE.

- 2. VERIFY REQUIREMENTS WITH LOCAL CODES-PROVIDE 20 MINUTE DOORS @ GUEST ROOMS, IF LOCAL JURISDICTION REQUIRES IT... 3. EXTERIOR H. METAL FRAMES SHALL BE 14 GAUGE, UNLESS NOTED OTHERWISE.
- 4. WHERE SMOKE DOOR IS REQUIRED BY LOCAL AUTHORITIES, A MAGNETIC HOLD OPEN DEVICE SHALL BE USED WHICH IS
- COORDINATED WITH THE FIRE ALARM SYSTEM.

key.

			O a mark with O and a locate set of a stand to be a few more than here in a
HARDWARE MANUFACT	TURERS		individual change key for each lock which is not desi
Hardware Item	Base Manufacturer	Acceptable Equivalents	Permanently inscribe each key with num
Opering this second		Otherstein	manufacturer key symbol, and notation "Do
Spring Hinges	Hager	Stanley Stanley McKinney	Key Material: Provide keys of nickel silver only.
Lockset (Standard Type)	Schlage	Sargent Vale	Key Quantity: Eurnish three change keys for ea
Lockset (Electronic	KABA/ILCO System E-760	Onity, Vingcard	system; and five grandmaster keys for each gra
System)			Deliver keys to Owner's representative
Closer	LCN	Sargent, Dorma	Eas Electronic Locker
Stops, Flush Bolts	lves	Rockwood, Quality, Taymor	For Electronic Locks:
Weatherstrip, Door			Provide card keys as required to comply with m
Sweeps, Thresholds	NGP, Stanley	Pemko, Zero, Door and Hardware	Provide one system controller.
Exit Dovigoo	Saraant	Systems Adama Bita Van Dunrin	Provide one spare lock with keys.
Peen Sight	lves	Quality	Keving
Door Guard	lves	Quality. Door & Hardware	General: Supplier will supply three reusable
		Systems, Inc.	standard locks) and three sets of master keys.
Surface Bolts	lves	Quality	Keving shall be as follows:
Frame Smoke Seals	DSHI #105 "Cush N Seal" by:	None	
	Door & Hardware		Each room shall be keyed separately.
	System (716) 235-8543		A master key for all guest rooms.
Door Silencers	Glypp- Johnson	Door & Hardware	A master key for all rooms.
Door Olicheers		Systems, Inc.	A master key to open guest room deadbolt
Electric Strike	Folger Adams	None	Room keys shall open exterior doors.
	-		Keving Schedule – Submit keving schedule to C
CYLINDERS AND KEYIN	IG		Koving to have 3 levels of security
Keying System: Mas recommendations fo	ster keying must be in accordanc r hotels.	e with the National Hardware Council's	
For Manual Locks:			
Equip locks with	n manufacturer's standard 6-pin t	umbler cylinders.	
Equip locks with	n manufacturer's interchangeable	e core cylinders operable by a control	
	0		

DOR DSER	HINGES	MAGNETIC LOCK	DOOR SWEEP	SMOKE SEALS	DOOR STOP	REMARKS
*						3 PAIR OF DOOR HINGES - SEE NOTE 1 W/ WEATHER SEAL - SEE
					*	3 PAIR OF DOOR HINGES
					*	3 PAIR OF DOOR HINGES
*					*	3 PAIR OF DOOR HINGES - SEE NOTE 2
						W/ WEATHER SEAL - SEE NOTE 2
						3 PAIR OF DOOR HINGES - SEE NOTE 2
						3 PAIR OF DOOR HINGES - SEE NOTE 2
						MOTION SENSOR - PER MANUFACTURER
						MOTION SENSOR - PER MANUFACTURER
						PUNCH PAD ACCESS - SEE NOTE 2
						3 PAIR OF DOOR HINGES - SEE NOTE 2
						3 PAIR OF DOOR HINGES
						3 PAIR OF DOOR HINGES
						3 PAIR OF DOOR HINGES

5. NOT USED

6. ALL EXTERIOR DOORS TO HAVE THRESHOLDS, DOOR SWEEPS, & WEATHER SEALS. 7. CONTRACTOR TO VERIFY ALL DOOR FRAME THROAT DIMENSIONS. 8. CONTRACTOR TO VERIFY KEY SCHEDULE WITH OWNER PRIOR TO PURCHASING LOCKS.

and, except as otherwise indicated, provide	PART 3 - EXECUTION	
signated to be keyed alike with a group.	INSPECTION	FINAL AD.
mber or lock that identifies cylinder DO NOTDUPLICATE".	Verify that doors and frames are ready to receive work and dimensions, are as indicated on Shop Drawings, and as instructed by the manufacturer.	When space final c
ly.	Beginning of installation means acceptance of existing conditions.	At the
each lock; five master keys for each master	INSTALLATION	their h
randmaster system. master keying.	Install each hardware item in compliance with manufacturer's instructions and recommendations. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, install each item completely and then remove and store in a secure place during the finish application. After completion of the finished, reinstall each item. Do not install surface-mounted items until finishes have been completed on the substrate.	PART 4 - HAR See door and har
	Conform to ANSI A117.1 and ADAAG for positioning requirements for the Disabled.	
	All door closers shall be installed out of public sight wherever possible.	
ble card keys per lock (or three keys for	All doors off corridors and all communicating doors to have frame-mounted smoke seals.	
	FASTENINGS	
	Furnish proper screws, hex bolts, through bolts, etc., as required to make secure attachment of each item to the material it is installed on.	
	PROTECTION AND CLEANING	
olts.	After installation, clean metal surfaces on both interior and exterior of all mortar, plaster, paint and other contaminants. After cleaning, protect work against damage.	
Owner for approval prior to fabrication.		

	HARDWARE SET	NOTI	ES
E NOTE 2	-	1.	1-1/2 PAIR SPRING HINGES.
	2		
	3	2.	ALL DOORS W/ CLOSERS TO HAVE
	4		BALL BEARING HINGES.
	5	2	
	6	່ ວ.	TO BE MOUNTED ON DOOR STYLE
	7		
	8	4.	PROVIDE 2 REVERSE VIEWERS - 1
	9		@ 60" A.F.F. AND 1 @ 42" A.F.F.
	10		
	11	5.	MANUFACTURER SO CARD
	12		OVERRIDE WHEN VESTIBULE SIDE
	13		MOTION SENSOR IS OFF. LOBBY
	14		SIDE MOTION SENSOR TO REMAIN
	15	1	ACTIVE AT ALL TIMES.
	16		
	17		

DJUSTMENT

enever hardware is installed more than one month prior to acceptance or occupancy of a ce or area, return during the week prior to acceptance or occupancy and make a l check and adjustment of all hardware items in such space or area. ne completion of the project, manufacturers' suppliers or representatives shall inspect hardware and make any corrections required due to errors or improper installation.

RDWARE SCHEDULE

ardware schedule on drawings

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A71C

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project: Tenant F for Brighton Re Campu 4905, 4911, 49 4931 4953 South	inish ecovery JS 15, 4925, 900 Fast
Salt Lake Coun DECEMI revisions EACH SEPERAT 2 ADDENDUI 4 ADDENDUI 8 ADDENDUI	ty, Utah BER 28, 2016 JANUARY 3, 2017 DND SUBMITTAL FOR E BUILDING PARCEL JANUARY 6, 2017 M #2-BUILDING 'C' JANUARY 17, 2017 M #4-BUILDING 'B' FEBRUARY 24, 2017 M #7-BUILDING 'A' 'F, 'B', 'C', 'D', 'E' MARCH 20, 2017 M #8-BUILDING 'A'
data project no: drawn by: checked by: title ACCESSIBLE FIRE PENETI DETAILS Sheet	E & RATION
A8	2

	SYMBOL	DESCRIPTION	١	
HVAC	PIPING			
	—HWS———	HOT WATER	SUPPLY	
	HWR	HOT WATER	RETURN	
	—TWS———	TEMPERED V	VATER SUF	PPLY
	CWS	CHILLED WA	TER SUPPL	Y
	CWR	CHILLED WAT	FER RETUR	RN
	—RL	REFRIGERAN	IT LIQUID	
	—RS	REFRIGERAN	IT SUCTION	N
		CONDENSER	WATER SU	JPPLY
	CDWR	CONDENSER	WATER RI	ETURN
	D	DRAIN LINE		
	— (E) — — —	EXISTING PIP	Έ	
444444		EXISTING PIF	E TO BE R	EMOVED
	ΛD		ΊΔΤΙ	
AD	ACCESS DOOR			
AIR COND	AIR CONDITION(-	ING,-ED)	MFR MIN	MANUFACTURER
APD BD	AIR PRESSURE [BALANCING DAM	DROP IPER	N/A NC	NOT APPLICABLE NORMALLY CLOSED
BHP BTU	BRAKE HORSE P BRITISH THERMA	OWER AL UNIT	NC NIC	NOISE CRITERIA NOT IN CONTRACT
BTUH	BTU/HOUR		NO	
CFM	CUBIC FEET PER	MINUTE	NTS	NOT TO SCALE
CLG COMP	COOLING COMPONENT		OA OD	OUTSIDE AIR OUTSIDE DIAMETER
COND	CONDENS(-ER, -I	NG, -ATION)	OZ	
CW	COLD WATER	-	PG	PROPYLENE GLYCOL
DIA DISCH	DIAMETER DISCHARGE		PH PPM	PHASE PARTS PER MILLION
DP	DEPTH OR DEEP		PRESS	
DВ (E)	EXISTING	ERATURE	PSF PSI	POUNDS PER SQUARE FO
EER FFF	ENERGY EFFICIE	NCY RATIO	PSIA PSIG	PSI ABSOLUTE PSI GAUGE
EG	ETHYLENE GLYC	OL	R	THERMAL RESISTANCE
ELEC ELEV	ELECTRIC		RECIRC	RECIRCULATE
ENT EVAP	ENTERING	NG -FD -OR)	REFR	REFRIGERATION
EWT	ENTERING WATE	R TEMP	RPM	REVOLUTIONS PER MINUT
EXT (F)	EXTERNAL FUTURE		RW SA	RAINWATER SUPPLY AIR
F FC			SC	SHADING COEFFICIENT
FD	FIRE DAMPER		SF	SAFETY FACTOR
FLA FPI	FULL LOAD AMPS	6	SH SL	SENSIBLE HEAT SEA LEVEL
FPM	FEET PER MINUT	E	SP	
FSD	FIRE SMOKE DAM	ND NPER	SPEC(S) SQ	SQUARE
FT GAL	FEET GALLON(S)		STD TEMP	STANDARD TEMPERATURE
GPH	GALLONS PER H		TSTAT	
HD	HEAD	INUTE	VAC	VACUUM
HG HR	MERCURY HOUR		VAV VEL	VARIABLE AIR VOLUME
HT	HEIGHT		VENT	VENT, VENTILATION
HTG HP	HEATING HORSE POWER		WC	VARIABLE FREQUENCY DF WATER COLUMN
HW HZ			WG	WATER GAUGE
ID	INSIDE DIAMETE	R	WB	WET BULB
IN KW	INCH KILOWATT			
LAT		IPERATURE		
LG	LENGTH			
∟H LRA	LATENT HEAT	AMPS		
LVG LWT	LEAVING LEAVING WATER	TEMP		
MBH	THOUSAND BTU	PER HOUR		
	D	EFINI	TIOI	NS
	NOTE: ALL		NS MAY	NOT BE USED.

SYMBOL LEGEND SYMBOL DESCRIPTION VALVES, METERS, AND GAUGES \longrightarrow SHUT OFF VALVE $-\overline{\mathbb{M}}$ GATE VALVE CHECK VALVE AUTO 2-WAY VALVE AUTO 3-WAY VALVE $-\bowtie$ GLOBE VALVE BALL VALVE RELIEF VALVE CHAIN OPERATED GATE VALVE \triangleleft PRESSURE REDUCING VALVE $-\bowtie$ BUTTERFLY VALVE S SOLENOID VALVE ANGLE VALVE VENTURI BALANCING OR PLUG COCK —&— FLOW SETTER $-\otimes$ -EXPANSION VALVE (REFRIG.) (T) TEMPERATURE SENSOR ¥маv MANUAL AIR VENT STRAINER GAUGE COCK -FLEXIBLE CONNECTION \bigcirc PRESSURE GAUGE THERMOMETER VICTAULIC COUPLING REDUCER CONCENTRIC _____>___ REDUCER ECCENTRIC ______ REFRIGERANT SITE GLASS _∰_ REFRIGERANT STRAINER REFRIGERANT FILTER DRIER $-\bigcirc$ 90° ELBOW UP \bigcirc 90° ELBOW DOWN $-\bigcirc -$ 90° TEE UP \frown 90° TEE DOWN $\overline{\bigcirc}$ UNION CAPPED PIPE ANCHOR $\neg \Box \neg$ FLOAT AND THERMOSTATIC TRAP HVAC SVMBOLS

THERMOSTAT
TEMPERATURE SENSOR
HUMIDISTAT
LS
CATCH BASIN
MANHOLE
WALL HYDRANT
HOSE BIBB
CLEANOUT TO GRADE
FLOOR CLEANOUT
WALL CLEANOUT

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS TO MAKE THE ITEM FULLY OPERATIONAL."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

SYI	MBOL LEGEND						
SYMBOL DUCTWORK	DESCRIPTION						
SINGLE LINE	DOUBLE LINE	DESCRIPTION					
2		RECTANGULAR SUPPLY DUCT UP					
		RECTANGULAR SUPPLY DUCT DOWN					
2		RECTANGULAR RETURN DUCT UP					
2		RECTANGULAR RETURN DUCT DOWN					
·		RECTANGULAR EXHAUST DUCT UP					
		RECTANGULAR EXHAUST DUCT DOWN					
		ROUND DUCT UP					
		ROUND DUCT DOWN					
		ACOUSTICALLY LINED RECTANGULAR DUCT					
		90° RECTANGULAR ELBOW WITH TURNING VANES					
		90° RADIUS ELBOW R=1.5					
<u>ب</u> ۲		DUCT SIZE OR SHAPE TRANSITION					
		OPPOSED BLADE BALANCING DAMPER (O.B.D.) IN RECT DUCT					
		BUTTERFLY BALANCING DAMPER IN ROUND DUCTS					
2		COMBINATION TEE					
2		SPLITTER DAMPER					
		SQUARE OR RECTANGULAR CEILING DIFFUSER					
		ROUND CEILING DIFFUSER					
		SIDEWALL REGISTER SUPPLY OR RETURN					
		ROUND FLEXIBLE DUCT					
2		RETURN GRILLE					
		EXHAUST GRILLE					
		FIRE/SMOKE DAMPER					
	FSD FSD	FIRE DAMPER					
	FD FD	FLEXIBLE CONNECTION					
<pre></pre>	FC FC	EXISTING DUCT					
<u>}////////////////////////////////////</u>		DUCT TO BE REMOVED					

GENERAL MECHANICAL NOTES

1. ALL CEILING DIFFUSERS SHOWN AS SUCH ARE CD-1, CFM AS NOTED, UNLESS OTHERWISE NOTED. CFM

- 2. ALL CEILING RETURN GRILLES SHOWN AS SUCH ARE RG-1 UNLESS OTHERWISE NOTED. PROVIDE SOUND BOOT
- 3. ALL CEILING EXHAUST GRILLES SHOWN AS SUCH ARE EG-1, CFM AS NOTED, UNLESS OTHERWISE NOTED.

CFM

- 4. DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'-0" DEEP AND 6'-6" HIGH. DO NOT ROUTE DUCTS AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM OR WITHIN APPROPRIATE ENCLOSURE.
- 5. COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- 6. ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.
- 7. ALL FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
- 8. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- 9. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, HEAT PUMPS, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS. ACCESS PANELS TO BE LISTED AND FIRE RATED EQUAL TO OR GREATER THAN THE RATING OF THE ASSEMBLY THEY ARE INSTALLED IN.
- 10. ALL DUCT AND FLUE PENETRATIONS THRU 1 HOUR ROOF ASSEMBLY TO BE ENCLOSED WITH 2 SHEET ROCK LAYERS FROM SHEET ROCK AT BOTTOM OF ROOF TRUSSES TO ROOF DECK.
- 11. STEEL ROOF DECK SHALL NOT BE USED TO SUPPORT LOADS FROM PIPING, DUCTWORK OR EQUIPMENT, UNLESS NOTED OTHERWISE. HANGER LOADS LESS THAN 50 LBS. MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHEN HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED; THE ATTACHMENT METHOD MUST DISTRIBUTE THE LOAD ACROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.
- 12. THE EQUIPMENT INSTALLER IS TO APPLY AND SIGN A CERTIFICATION LABEL TO EACH GAS-FIRED APPLIANCE, STATING THE APPLIANCE HAS BEEN ADJUSTED OR MODIFIED PER MANUFACTURER'S REQUIREMENTS FOR OPERATION AT THE PROJECT ALTITUDE AND WITH THE BTU-CONTENT OF THE AVAILABLE FUEL-GAS.

SYN	MBOL LEGEND
SYMBOL	DESCRIPTION
REFERE	NCE AND LINE SYMBOLS
# SHEET	DETAIL INDICATOR: # INDICATES DETAIL NUM SHEET INDICATES DRAWING SHEET WHERE D SHOWN.
# SHEET	ELEVATION OR SECTION INDICATOR, EXTERIC INDICATES ELEVATION OR SECTION NUMBER, INDICATES DRAWING SHEET WHERE ELEVATION SECTION IS SHOWN.
# SHEET	ELEVATION OR SECTION INDICATOR, INTERIO INDICATES ELEVATION OR SECTION NUMBER, INDICATES DRAWING SHEET WHERE ELEVATION SECTION IS SHOWN.
TYPE CFM SIZE	DIFFUSER/GRILLE INDICATOR.
TYPE SIZE	DIFFUSER/GRILLE INDICATOR.
	NEW CONNECTION POINT TO EXISTING

MECHANICAL SCOPE OF WORK

NEW CONSTRUCTION NOTES:

ELECTRIC UNIT HEATERS WILL BE PLACED WATER ENTRY ROOMS AND MAIN BUILDING ENTRY LOCATIONS.

ROOFTOP UNITS ARE TO BE INSTALLED WITHIN EXISTING EQUIPMENT WELLS ON ROOF OF EACH BUILDING. SUPPLY AND RETURN DUCTWORK IS TO ROUTE THROUGH EXISTING TRUSS SYSTEM. TERMINAL SUPPLY AND RETURN GRILLES ARE TO INCORPORATE INTEGRAL BALANCING DAMPERS.

CLOTHES DRYER AND BATHROOM EXHAUST DUCTWORK IS TO TERMINATE AT UNDERSIDE OF EXISTING BUILDING OVERHANGS.

THE NEW SYSTEM COMPONENTS WILL ALLOW FOR FUTURE OFFICE & TEMPORARY RESIDENT SPACES.

NUMBER, ERE DETAIL IS

TERIOR: # IBER, SHEET VATION OR

ERIOR: # MBER, SHEET EVATION OR

ME	CH/PLUMB SHEET INDEX
SHEET NO	SHEET TITLE
M01	MECHANICAL GENERAL NOTES & LEGEND
M02	MECHANICAL EQUIPMENT SPECIFICATIONS
M11	MECHANICAL SCHEDULES
M12	MECHANICAL DETAILS
M13	MECHANICAL DETAILS
P01	PLUMBING GENERAL NOTES & LEGEND
P02	PLUMBING EQUIPMENT SPECIFICATIONS
P11	PLUMBING SCHEDULES
P12	PLUMBING DETAILS
P13	PLUMBING DETAILS
MP1F	MECH/PLUMB ROOF PLAN - BUILDING 'F'
M1F	MECHANICAL PLAN - BUILDING 'F'
P1F	PLUMBING PLAN - BUILDING 'F'
	•

GENERAL MECHANICAL NOTES

- THESE DRAWINGS AND SPECIFICATIONS ARE FOR THE DIVISION 23 CONTRACTOR TO ENGINEER, DESIGN, BID AND INSTALL A HEATING, AIR CONDITIONING AND VENTILATION SYSTEM PER THE DESIGN INTENT SHOWN.
- 2. ALL EQUIPMENT, PIPING, DUCTWORK, COMPONENT AND ACCESSORY SIZES, CAPACITIES, AND TYPES SHOWN IN THESE DRAWINGS AND SPECIFICATIONS SHALL BE ADHERED TO.
- 3. THE DIVISION 23 CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE AND FULLY OPERATIONAL SYSTEM.
- 4. DESIGN AND AS-BUILT DRAWINGS SHOWING ALL EQUIPMENT, COMPONENTS, PIPING, AND CONTROLS SHALL BE PREPARED TO THE SAME SCALE AS THESE DRAWINGS. COPIES SHALL BE PROVIDED TO THE OWNER AND ARCHITECT/ENGINEER.
- 5. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL HVAC SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS, INCLUDING ALL NECESSARY FEES AND PERMITS.
- 6. THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODE, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, SCHOOL DISTRICT, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID. CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS THAT THE PROJECT OWNER HAS.
- 7. PRIOR TO FABRICATION AND INSTALLATION, COORDINATE THE INSTALLATION OF ALL HVAC PIPING, DUCTWORK, AND EQUIPMENT WITH PLUMBING PIPING, PLUMBING EQUIPMENT, REFRIGERATION TRENCHES AND PIPING, FIRE PROTECTION PIPING AND ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO: THE MECHANICAL CONTRACTOR, REFRIGERATION CONTRACTOR, ELECTRICAL CONTRACTOR, FIRE PROTECTION CONTRACTOR, GENERAL CONTRACTOR, AND ANY CONTRACTOR HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
- 8. THE DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENTS AND THE EXTENT OF THE SYSTEM. IT SHALL BE THE WORK OF THE CONTRACTOR TO MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE CONSULTING ENGINEER.
- 9. ALL HVAC INFORMATION IS NOT SHOWN ON THE HVAC DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
- 10. THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR HVAC EQUIPMENT AND PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL DRAWINGS.
- 11. SPACE ABOVE ALL CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED AND/OR INSTALLED. ANY CONFLICTS AND/OR CHANGES FOUND DURING INSTALLATION THAT RESULT FROM LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 12. 1/8" SCALE SHOP DRAWINGS (SUBMITTED FOR APPROVAL) ARE REQUIRED FOR ALL DUCTWORK AND PIPING SYSTEMS.
- 13. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
- 14. DETAILS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND USE WHERE APPROPRIATE ALL OF THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 15. PIPING SCHEMATICS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE PIPING SCHEMATICS INCLUDED WITH THE DRAWINGS FOR PIPING CONNECTIONS TO ALL MECHANICAL EQUIPMENT. THE PIPING SCHEMATICS SHOW DETAILED CONNECTIONS INCLUDING NECESSARY VALVES, FITTINGS, PRESSURE AND TEMPERATURE GAUGES, ETC., THAT ARE NOT SHOWN ON THE PIPING PLANS. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED PIPING SCHEMATICS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 16. THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 17. ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 18. COORDINATE THE RETURN OF ALL MECHANICAL EQUIPMENT REMOVED DURING DEMOLITION WITH THE OWNER'S REPRESENTATIVE.
- 19. ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE SITE ALTITUDE.
- 20. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, DAMPERS, AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
- 21. THE DIVISION 23 CONTRACTOR SHALL FURNISH ALL REQUIRED MOTORS. ALL MOTOR STARTING EQUIPMENT, WHEN NOT A PART OF THE EQUIPMENT, WILL BE FURNISHED BY THE ELECTRICAL CONTRACTOR.
- 22. EXISTING INTERIOR PIPING, EQUIPMENT, AND DUCTWORK HAS BEEN LOCATED IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS AND POINTS OF CONNECTION AND PIPE ROUTING THROUGH EXISTING CONDITIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL PERFORM THE WORK IN A MANNER THAT WILL CAUSE A MINIMUM DISRUPTION TO BUILDING TENANT USE AND SHALL COORDINATE THE WORK WITH THE BUILDING OWNER'S REPRESENTATIVE.
- 23. THE CONTRACTOR IS RESPONSIBLE FOR HVAC EQUIPMENT CHECK-IN, SAFEKEEPING, AND DAMAGE.
- 24. DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'-0" DEEP AND 6'-6" HIGH. DO NOT ROUTE DUCTS AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM OR IF PROPER ENCLOSURE IS PROVIDED.
- 25. COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- 26. ALL FIRE DAMPERS SHOWN ARE 1-1/2 HOUR UNLESS OTHERWISE NOTED.
 27. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- 28. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
- 29. ENCLOSE ALL DUCT AND FLUE PENETRATIONS THROUGH 1 HOUR ROOF ASSEMBLIES WITH 2 SHEET ROCK LAYERS FROM SHEET ROCK CEILING AT BOTTOM OF ROOF TRUSSES TO ROOF DECK
- 30. DO NOT USE STEEL ROOF DECK TO SUPPORT LOADS FROM PIPING, DUCTWORK OR EQUIPMENT. HANGER LOADS LESS THAN 50 LBS. MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHERE HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED. THE ATTACHMENT METHOD MUST DISTRIBUTE THE LOAD ACROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.

GENERAL MECHANICAL NOTES

- PROPERLY LUBRICATE ALL PIECES OF EQUIPMENT BEFORE TURNING THE SYSTEM OVER TO THE OWNER.
- 32. PREPARE SUBMITTALS IN AN INDEXED, LABELED FOLDER CONTAINING FULL PERFORMANCE, MATERIAL AND INSTALLATION INFORMATION ABOUT ALL EQUIPMENT, PIPING, COMPONENTS AND ACCESSORIES TO BE USED. SUBMITTALS WILL BE CHECKED AT MOST TWICE. TIME SPENT ON SUBSEQUENT SUBMITTALS WILL BE BILLED TO THE CONTRACTOR BY THE ENGINEER AT ITS CURRENT HOURLY RATES.
- 33. TWO OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED IN HARD BACK LOOSE LEAF BINDERS. MANUALS SHALL CONTAIN PRODUCT CUT SHEETS AND OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL EQUIPMENT, ACCESSORIES, FIXTURES, VALVES, ETC., PROVIDED FOR THE PROJECT.
- 34. UPON COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH. MAKE ALL REQUIRED PATCHING AND REPAIRS OF OTHER TRADES' WORK DAMAGED BY THE CONTRACTOR, AND LEAVE THE PREMISES IN A CLEAN, ORDERLY CONDITION.
- THE CONTRACTOR SHALL OPERATE THE SYSTEM AND DEMONSTRATE ALL ASPECTS TO THE ENGINEER AND/OR OWNER, TO PROVE ITS OPERATION. ALL FILTERS USED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO THE TES RUN PERIOD.
- 6. THE CONTRACTOR SHALL GUARANTEE THE HVAC SYSTEM FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
- . THE CONTRACTOR SHALL, DURING CONSTRUCTION, MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, AND ACCESSORIES SHALL BE RECORDED. THESE REDLINES SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION

MECHANICAL SUBMITTAL NOTES

MECHANICAL SUBMITTAL SHALL BE SUBMITTED AS A COMPLETE ELECTRONIC PACKAGE ASSEMBLED BY SPECIFICATION DIVISIONS.

- ASSEMBLE COMPLETE ELECTRONIC SUBMITTAL PACKAGE INTO A SINGLE INDEXED FILE INCORPORATING SUBMITTAL REQUIREMENTS OF A SINGLE SPECIFICATION SECTION AND TRANSMITTAL FORM WITH LINKS ENABLING NAVIGATION TO EACH ITEM:
- a. LITERATURE SHALL INCLUDE REFERENCE TO EQUIPMENT CALL-OUT AND SPECIFICATION SECTION.
- b. FILE NAME SHALL USE PROJECT IDENTIFIER AND SPECIFICATION SECTION NUMBER FOLLOWED BY A DECIMAL POINT AND THEN A SEQUENTIAL NUMBER (E.G., LNHS-061000.01). RE-SUBITTALS SHALL INCLUDE AN ALPHABETIC SUFFIX AFTER ANOTHER DECIMAL POINT (E.G., LNHS-061000.01.A).
- c. PROVIDE MANUFACTURER'S CATALOG DATA SHEETS FOR EACH MANUFACTURED ITEM LISTED ON THE DRAWINGS AND SPECIFICATIONS.
- d. INCLUDE MANUFACTURER'S CATALOG DATA OF EACH MANUFACTURED ITEM AND ENOUGH INFORMATION TO SHOW COMPLIANCE WITH CONTRACT DOCUMENT REQUIREMENTS.
- e. LITERATURE SHALL SHOW CAPACITIES AND SIZE OF EQUIPMENT USED AND BE MARKED INDICATING EACH SPECIFIC ITEM WITH APPLICABLE DATA UNDERLINED.
- f. INCLUDE NAME, ADDRESS, AND PHONE NUMBER OF EACH SUPPLIER.
- g. DEVIATIONS AND ADDITIONAL INFORMATION: ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, RECORD RELEVANT INFORMATION, REQUESTS FOR DATA, REVISIONS OTHER THAN THOSE REQUESTED BY ENGINEER CONTRACT DOCUMENTS, INCLUDING MINOR VARIATIONS AND LIMITATIONS. INCLUDE SAME IDENTIFICATION INFORMATION AS RELATED SUBMITTAL.

PRODUCT DATA:

- a. COLLECT INFORMATION INTO A SINGLE SUBMITTAL FOR EACH ELEMENT OF CONSTRUCTION AND TYPE OF PRODUCT OR EQUIPMENT.
- b. IF INFORMATION MUST BE SPECIALLY PREPARED FOR SUBMITTAL BECAUSE STANDARD PUBLISHED DATA ARE NOT SUITABLE FOR USE, SUBMIT AS SHOP DRAWINGS, NOT AS PRODUCT DATA.
- c. MARK EACH COPY OF EACH SUBMITTAL TO SHOW WHICH PRODUCTS AND OPTIONS ARE APPLICABLE.
- d. INCLUDE THE FOLLOWING INFORMATION, AS APPLICABLE:
- e. MANUFACTURER'S CATALOG CUTS.
- f. MANUFACTURER'S PRODUCT SPECIFICATIONS.
- g. STANDARD COLOR CHARTS.
- h. STATEMENT OF COMPLIANCE WITH SPECIFIED REFERENCED STANDARDS.
- i. TESTING BY RECOGNIZED TESTING AGENCY.
- j. APPLICATION OF TESTING AGENCY LABELS AND SEALS.
- k. NOTATION OF COORDINATION REQUIREMENTS.
- I. AVAILABILITY AND DELIVERY TIME INFORMATION.
- m. FOR EQUIPMENT, INCLUDE THE FOLLOWING IN ADDITION TO THE ABOVE, AS APPLICABLE:
- n. WIRING DIAGRAMS SHOWING FACTORY-INSTALLED WIRING.
- o. PRINTED PERFORMANCE CURVES.
- p. OPERATIONAL RANGE DIAGRAMS.
- q. CLEARANCES REQUIRED TO OTHER CONSTRUCTION, IF NOT INDICATED ON ACCOMPANYING SHOP DRAWINGS.

PROCESSING TIME: ALLOW TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS. TIME FOR REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS. TIME FOR REVIEW SHALL COMMENCE ON ENGINEERS RECEIPT OF SUBMITTAL. NO EXTENSION OF THE CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS ENOUGH IN ADVANCE OF THE WORK TO PERMIT PROCESSING, INCLUDING RESUBMITTALS.

- a. INITIAL REVIEW: ALLOW 15 DAYS FOR INITIAL REVIEW OF MECHANICAL SUBMITTAL.
- b. RESUBMITTALS REVIEW: ALLOW 15 DAYS FOR REVIEW OF EACH
- RESUBMITTAL. DEVIATIONS AND ADDITIONAL INFORMATION: ON AN ATTACHED SEPARATE SHEET PREPARED ON CONTRACTOR'S LETTERHEAD, RECORD RELEVANT INFORMATION

PREPARED ON CONTRACTOR'S LETTERHEAD, RECORD RELEVANT INFORMATION, REQUESTS FOR DATA, REVISIONS OTHER THAN THOSE REQUESTED BY DESIGN ENGINEER ON PREVIOUS SUBMITTALS, AND DEVIATIONS FROM REQUIREMENTS IN THE CONTRACT DOCUMENTS, INCLUDING MINOR VARIATIONS AND LIMITATIONS. INCLUDE SAME IDENTIFICATION INFORMATION AS RELATED SUBMITTAL.

MECH. PIPING GENERAL NOTES

CAULK AROUND ALL PIPING THAT PASSES THROUGH FIRE RATED PARTITIONS WITH A NON-HARDENING CAULKING SIMILAR TO 3M "FIRE BARRIER".

PROVIDE PROPER PROVISIONS FOR EXPANSION OR MOVEMENT OF ALL PIPING. PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALLS OR FLOORS TO ALLOW FOR ANTICIPATED DEFERENTIAL MOVEMENTS.

AT VERTICAL RISERS SUPPORT THE WEIGHT OF THE RISER AT A POINT OR POINTS ABOVE THE CENTER OF GRAVITY OF THE RISER. PROVIDE LATERAL GUIDES AT THE TOP AND BOTTOM OF THE RISER, AND AT THE INTERMEDIATE POINTS NOT TO EXCEED 30'-0" ON CENTER.

ALL PIPING SHALL BE SUPPORTED WITH TYPE I STEEL CLEVIS PIPE HANGERS. ALL STEEL CLEVIS HANGERS USED TO SUPPORT PLASTIC PIPING SHALL BE

PLASTIC COATED. ALL STEEL HANGERS USED TO SUPPORT COPPER PIPING SHALL BE COPPER

PLATED OR PLASTIC COATED. PERFORATED METAL OR PLASTIC STRAPPING (PLUMBERS TAPE) IS NOT AN ACCEPTABLE MATERIAL FOR HANGING OR SECURING PIPE.

PROVIDE PIPE HANGERS WITHIN 18 INCHES OF ALL 90 DEGREE ELBOWS.

PROVIDE SWAY BRACING ON PIPING 4" AND LARGER AT CHANGES IN DIRECTION GREATER THAN 45 DEGREES.

ALL PIPING SHALL BE INSTALLED IN A NEAT ARRANGEMENT PARALLEL TO BUILDING STRUCTURE.

DUCT CONSTRUCTION NOTES

 ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL, EXCEPT WHERE INDICATED OTHERWISE.

2. SHEET METAL DUCT STATIC PRESSURE CLASSIFICATION: SUPPLY AIR DUCT: 2" W.C. RETURN AIR DUCT: 2" W.C. (NEGATIVE) EXHAUST AIR DUCT: 2" W.C. (NEGATIVE) OUTSIDE AIR DUCT: 2" W.C.

3. SEAL ALL TRANSVERSE JOINTS AND LONGITUDINAL SEAMS TO SMACNA SEAL CLASS B.

- 4. DO NOT USE GRAY DUCT TAPE, FOIL BACKED TAPE, OIL BASED CAULKING AND GLAZING COMPOUNDS TO SEAL METAL DUCTS.
- CROSS-BREAK DUCT SURFACES 19" THROUGH 60". USE ANGLE REINFORCING FOR DUCTS SURFACES OF 60".
- 6. ALL METAL LONGITUDINAL SEAMS SHALL BE PITTSBURGH OR OTHER LISTED SMACNA LISTED SEAM. DO NOT USE BUTTON PUNCH SNAP-BACK SEAMS.
- SUSPEND METAL DUCTWORK NOT EXCEEDING 30" LONGEST SIDE AT EVERY JOINT. DO NOT EXCEED 10'-0" HANGER SPACING. USE 1" X 18 GAGE GALVANIZED STRAPS (MINIMUM) ATTACHED TO BOTTOM AND SIDES OF DUCT.
- 8. SUSPEND METAL DUCTWORK EXCEEDING 30" LONGEST SIDE AT MAXIMUM 8'-0" SPACING USING ANGLES AND RODS.
- 9. SUPPORT DUCTWORK FROM STRUCTURAL MEMBERS. ATTACHMENT TO ROOF DECK IS NOT ACCEPTABLE.
- 10. DUCT SIZES SHALL BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE CONSTRUCTION CLEARANCES. FREE AREA OF DUCT SHALL BE MAINTAINED.
- 11. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH SLOPE OF 1/4.
- 2. PROVIDE ELBOWS AND CHANGES IN DIRECTION WITH SINGLE VANE TURNING VANES.
- ALL JOINTS SHALL BE MADE AIRTIGHT BY APPROVED METHODS, INCLUDING TAPES, MASTICS, GASKETS OR OTHER APPROVED CLOSURE SYSTEMS.
 TAPE ALONE CANNOT BE SUBSTITUTED FOR MECHANICAL FASTENERS.
- 15. TAPES AND MASTICS USED TO SEAL DUCTWORK MUST BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A AND SHALL BE MARKED "181A-P" FOR PRESSURE-SENSITIVE TAPE, "181A-M" FOR MASTIC OR "181A-H" FOR HEAT SENSITIVE TAPE.
- 16. TAPES AND MASTICS USED TO SEAL FLEXIBLE AIR DUCTS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED "181B-FX" FOR PRESSURE SENSITIVE TAPE, OR "181B-M" FOR MASTIC.
- 17. MECHANICAL FASTENERS USED WITH FLEXIBLE NON-METALLIC AIR DUCTS SHALL COMPLY WITH UL 181 AND SHALL BE MARKED "181B-".
- 18. FLEXIBLE CONNECTORS SHALL NOT BE USED.
- 19. HIGH EFFICIENCY TAKE-OFF FITTINGS WITH MANUAL DAMPER SHALL HAVE 2" STAND OFF BRACKET.
- ALL BRANCH TAKE-OFFS TO INDIVIDUAL AIR INLET OR AIR OUTLET SHALL BE PROVIDED WITH MANUAL DAMPER.
 ALL DUCTWORK SHALL BE A MINIMUM 26 GAUGE GALVANIZED SHEET
- METAL.

TEST AND BALANCE NOTES

THE MINIMUM REQUIREMENT FOR TESTING, ADJUSTING, AND BALANCING (TAB) OF THE HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) DISTRIBUTION SYSTEMS SHALL BE AS FOLLOWS.

- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TESTING ADJUSTING AND BALANCING FOR THIS PROJECT
- THE MECHANICAL SYSTEMS SHALL BE TESTED, ADJUSTED AND BALANCED, INCLUDING SUPPLY AIR SYSTEM, RETURN AIR SYSTEM, EXHAUST AIR SYSTEM, OUTSIDE AIR SYSTEM AND ALL ASSOCIATED EQUIPMENT.
- CONTRACTOR PERFORMING TESTING ADJUSTING AND BALANCING WORK SHALL BE EITHER AABC OR NEBB CERTIFIED.
- TESTING ADJUSTING AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE NEBB OR AABC TEST PROCEDURES.
- TESTING ADJUSTING AND BALANCING REPORT FORMS SHALL BE STANDARD FORMS FROM EITHER AABC OR NEBB.
- CONTRACTOR SHALL VERIFY QUANTITIES AND LOCATIONS OF ALL BALANCING DEVICES. CONTRACTOR SHALL VERIFY THAT THESE BALANCING DEVICES ARE ACCESSIBLE AND APPROPRIATE FOR BALANCING AND FOR EFFICIENT SYSTEM AND EQUIPMENT OPERATION PRIOR TO COMMENCING WORK.
- MECHANICAL AIR AND WATER SYSTEMS SHALL BE ADJUSTED TO WITHIN THE FOLLOWING TOLERANCES.
- PLUS 5 TO PLUS 10 PERCENT PLUS 5 TO PLUS 10 PERCENT
- EXHAUST FANS: PLUS 5 TO PLUS 10 PERCENT EQUIPMENT WITH FANS: PLUS 5 TO PLUS 10 PERCENT AIR OUTLETS AND INLETS: ZERO TO MINUS 10 PERCENT DOM. HW FLOW RATES: ZERO TO MINUS 10 PERCENT
- FINAL BALANCE REPORT SHALL INCLUDE THE FOLLOWING. TEST CONDITIONS FOR FANS
- SYSTEM DIAGRAMS AIR CONDITIONING UNIT TEST REPORTS FAN TEST REPORTS
- AIR TERMINAL DEVICE REPORTS

PENETRATION FIRESTOPPING NOTES

- 1. FIRE RATED PENETRATIONS DETAILS SHOWN ON THE CONSTRUCTIONS DOCUMENTS SHOW GENERAL METHOD OF MECHANICAL (HVAC) AND PLUMBING PENETRATION FIRESTOPPING.
- 2. CONTRACTOR SHALL REVIEW CONSTRUCTION DOCUMENTS AND PROVIDE SPECIFIC FIRESTOPPING DETAILS FROM A SPECIFIC FIRESTOPPING MANUFACTURER FOR EACH MECHANICAL (HVAC) AND PLUMBING PIPE OR DUCT PENETRATION FOR EACH FIRE RATED ASSEMBLY.
- 3. PROVIDE PENETRATION FIRESTOPPING THAT IS PRODUCED AND INSTALLED TO RESIST SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF CONSTRUCTION PENETRATED.
- 4. PENETRATION FIRESTOPPING SYSTEMS SHALL BE COMPATIBLE WITH ONE ANOTHER, WITH THE SUBSTRATES FORMING OPENINGS, AND WITH PENETRATING ITEMS IF ANY.
- 5. PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS: PROVIDE PENETRATION FIRESTOPPING WITH RATINGS DETERMINED PER ASTM E 814 OR UL 1479, BASED ON TESTING AT A POSITIVE PRESSURE DIFFERENTIAL OF 0.01-INCH WG
- 6. PENETRATION FIRESTOPPING PRODUCTS SHALL BEAR UL, ETL OR FM GLOBAL CLASSIFICATION MARKING OF QUALIFIED TESTING AND INSPECTING AGENCY.
- 7. DO NOT INSTALL PENETRATION FIRESTOPPING WHEN AMBIENT OR SUBSTRATE TEMPERATURES ARE OUTSIDE LIMITS PERMITTED BY PENETRATION FIRESTOPPING MANUFACTURERS OR WHEN SUBSTRATES ARE WET BECAUSE OF RAIN, FROST, CONDENSATION, OR OTHER CAUSES.
- 8. COORDINATE CONSTRUCTION OF OPENINGS AND PENETRATING ITEMS TO ENSURE THAT PENETRATION FIRESTOPPING IS INSTALLED ACCORDING TO SPECIFIED REQUIREMENTS.
- 9. COORDINATE SIZING OF SLEEVES, OPENINGS, CORE-DRILLED HOLES, OR CUT OPENINGS TO ACCOMMODATE PENETRATION FIRESTOPPING.
- 10. INSTALL PENETRATION FIRESTOPPING TO COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND PUBLISHED DRAWINGS FOR PRODUCTS AND APPLICATIONS INDICATED.
- 11. INSTALL FORMING MATERIALS AND OTHER ACCESSORIES OF TYPES REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN THE POSITION NEEDED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS REQUIRED TO ACHIEVE FIRE RATINGS INDICATED.
- 12. IDENTIFY PENETRATION FIRESTOPPING WITH PREPRINTED METAL OR PLASTIC LABELS. ATTACH LABELS PERMANENTLY TO SURFACES ADJACENT TO AND WITHIN 6 INCHES OF FIRESTOPPING EDGE SO LABELS WILL BE VISIBLE TO ANYONE SEEKING TO REMOVE PENETRATING ITEMS OR FIRESTOPPING.

SMOKE DETECTOR NOTES

- 1. SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE AND SHALL BE "SYSTEM SENSOR" DH100ACDCLP.
- 2. SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR DUCT OF ALL AIR HANDLING UNITS WITH CAPACITY GREATER THAN 2,000 CFM.
- 3. PROVIDE SMOKE DETECTORS WHERE MULTIPLE AIR-HANDLING SYSTEMS SHARE COMMON SUPPLY OR RETURN AIR DUCTS OR PLENUMS WITH A COMBINED DESIGN CAPACITY GREATER THAN 2,000 CFM.
- 4. THE SMOKE DETECTORS SHALL BE INSTALLED TO MONITOR THE ENTIRE AIRFLOW CONVEYED BY THE SYSTEM INCLUDING RETURN AIR AND EXHAUST OR RELIEF AIR.
- PROVIDE ACCESS TO ALL SMOKE DETECTORS FOR INSPECTION AND MAINTENANCE.
 SMOKE DETECTOR SHALL BE INTERLOCKED WITH SUPPLY FAN.
- ELECTRICAL STARTER TO SHUT DOWN SUPPLY AIR FAN(S) ON SENSING SMOKE.
- SMOKE DETECTOR SHALL BE INTERLOCKED WITH FIRE ALARM SYSTEM.
 THE ACTUATION OF A DUCT SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
- 9. IN ADDITIONAL TO INTERLOCKING THE SMOKE DETECTOR TO THE FIRE ALARM SYSTEM, THE SMOKE DETECTOR SHALL BE CONNECTED TO A MULTI-SIGNALLING ANNUNCIATOR PANEL (SYSTEM SENSOR SSK 451) FOR TESTING PURPOSES.
- 10. MULTI-SIGNALLING ANNUNCIATOR PANEL (SYSTEM SENSOR SSK 451) SHALL BE INSTALLED AS SHOWN ON DRAWING AND AS REQUIRED BY BUILDING OFFICIAL FOR TESTING.

MECHANICAL SPECIFICATIONS

- 1. COORDINATE THE LOCATION OF ALL NEW ROOF OPENINGS AND THE LOCATION OF ALL NEW AND RELOCATED ROOF MOUNTED EQUIPMENT WITH THE EXISTING STRUCTURE AND ARCHITECTURAL
- PLANS PRIOR TO ANY INSTALLATION.2. V-BELT DRIVES SHALL BE OF FABRIC AND RUBBER CONSTRUCTION. BELT GUARDS SHALL BE
- PROVIDED FOR ALL EXPOSED BELTS AND DRIVES.
- PROVIDE 6" CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED EQUIPMENT.
 PROPERLY LUBRICATE ALL PIECES OF EQUIPMENT BEFORE TURNING THE SYSTEM OVER TO THE OWNER.
- INSTALL DUCT MOUNTED SUPPLY AND RETURN AIR SMOKE DETECTORS IN ALL ROOFTOP, FAN-COIL, AIR-HANDLING, AND OTHER SUPPLY AIR SYSTEMS, WITH A CAPACITY GREATER THAN 2000 CFM. SMOKE DETECTORS ARE PURCHASED AND WIRED BY THE ELECTRICAL CONTRACTOR.

230500 - BASIC PIPING MATERIALS & METHODS

230100 - BASIC MECHANICAL REQUIREMENTS

- CORE CUT ALL PIPE PENETRATION OF EXISTING MASONRY OR CONCRETE WALLS AND FLOORS. SLEEVE ALL PENETRATIONS THROUGH NEW WALLS AND FLOORS. SEAL ALL PENETRATIONS WATER TIGHT WITH SILICONE SEALANT. USE FIRE RATED SEALANT (3M "FIRE BARRIER" OR EQUAL) FOR 1 HOUR OR 2 HOUR PENETRATIONS.
- CAULK AROUND ALL PIPING THAT PASSES THROUGH FIRE-RATED PARTITIONS WITH A NON-HARDENING CAULKING SIMILAR TO 3M "FIRE BARRIER".
- 8. SEAL ALL PIPING THROUGH WALLS AIR TIGHT.

230523 - VALVES

- . PROVIDE VALVES OF THE TYPE AND QUANTITY SHOWN ON THE DRAWINGS. VALVES OF THE SAME TYPE TO BE BY ONE MANUFACTURER.
- 230548 VIBRATION ISOLATION AND SEISMIC BRACING
- ALL MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING MUST BE VIBRATION ISOLATED AND SEISMICALLY BRACED FOR THE SITE SPECIFIC SEISMIC DESIGN CATEGORY AND SEISMIC USE GROUP, IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE IBC, UBC, ASHRAE, AND
- SMACNA. PROVIDE SEISMIC PRODUCTS BY AMBER-BOOTH OR MASON INDUSTRIES.
- AND NEOPRENE PADS TO ATTENUATE HIGH FREQUENCY SOUND AND VIBRATION. SEISMIC BRACING/MOUNTING CAN BE COMBINED WITH VIBRATION ISOLATION AS APPLICABLE.
- 3. CONTRACTOR MANUFACTURED SEISMIC BRACING/RESTRAINT METHODS ARE NOT ACCEPTABLE. PROVIDE A SIGNED AND STAMPED LETTER FROM A PROFESSIONAL ENGINEER CERTIFYING THAT THE SUPPLIED PRODUCTS ARE CORRECT FOR THE APPLICATION AND THAT THE INSTALLATION IS IN COMPLIANCE WITH ALL APPLICABLE CODES.

230553 - MECHANICAL IDENT PLASTIC TAPE: PROVIDE MANUFACTURER'S STANI PRESSURE-SENSITIVE (SELF ADHESIVE) VINYL TA WIDE TAPE MARKERS ON PIPES WITH OUTSIDE D INSULATION, IF ANY); 2-1/2" WIDE TAPE FOR LARG DUCT MARKERS PROVIDE MANUFACTURER'S STANDARD LAMINAT MARKERS. . COLOR: COMPLY WITH ANSI A13.1 LETTERING: MANUFACTURER'S STANDARD PRE-PRINTED NOM PIPING OR DUCT SYSTEM IN EACH INSTANCE OR IN CASES OF VARIANCE WITH NAMES AS SHOWN. ARROWS PRINT EACH MARKER WITH ARROWS INDICATING VALVE TAGS: PROVIDE PLASTIC LAMINATE VALVE TAGS' MANU ENGRAVED TAGS WITH PIPING SYSTEM ABBREVI SEQUENCED VALVE NUMBERS 1/2" HIGH, WITH 5/3 SQUARE BLACK TAGS WITH WHITE LETTERING VALVE TAG FASTENERS: PROVIDE MANUFACTURER'S STANDARD SOLID BR OR SOLID BRASS S-HOOKS OF THE SIZED REQUI VALVES, AND MANUFACTURED SPECIFICALLY FO 230593 - TESTING, ADJUSTIN OBTAIN THE SERVICES OF AN INDEPENDENT TEST AND ADJUST THE SYSTEM. THIS SHALL BE DONE I OF THIS TYPE. BALANCING SHALL BE DONE IN AC ALL DATA SHALL BE RECORDED AND A REPORT SI CLOSE OUT 230700 - MECHANICAL INSULA PIPE INSULATION TO BE SNAP-ON GLASS FIBER AND JOINTS TO PROVIDE A COMPLETELY SEALE UNICELLULAR ASTM 534 TYPE 1 INSULATION. US 1/2" FOR PIPE OVER 2"Ø WRAP ALL SUPPLY AND RETURN DUCTWORK WI INSULATION. WRAP INSULATION TIGHTLY ON TH BUTTED AND LONGITUDINAL JOINTS OVERLAPP FOIL-REINFORCED 'KRAFT' TAPE, 3" WIDE, DUC WITH A MINIMUM R-5 WHILE EXTERIOR DUCTWO 3 NO RETURN AIR DUCT INSULATION IS REQUIRE TEMPERATURE DIFFERENCE IS LESS THAN 10°F OUTDOOR DUCTWORK EXPOSED TO THE WEATH BE FITTED WITH 0.016 EMBOSSED ALUMINUM JAC WEATHERPROOF FIT 233113 - METAL DUCTWORK ALL DUCTWORK SHALL BE CONSTRUCTED, E THE MOST RESTRICTIVE OF LOCAL REGULAT ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE SHEET METAL AND AIR CONDITIONING C (SMACNA). TRANSITION ALL NEW DUCTWORK TO CONNE DUCTWORK SHALL BE GALVANIZED STEEL TH THAT NO VIBRATION OR NOISE RESULTS. IT GALVANIZED MILLED STEEL SHEETS OF U.S. BLISTERS, SLIVERS, AND PITS. ALL SEAMS S DUCTWORK, INCLUDING GAUGES OF METAL ACCORDANCE WITH SMACNA. SLEEVES FOR AN EXTENSION OF THE FIRE WALL SHALL BE SEAL DUCTWORK ACCORDING TO THE FOLLO DUCT LOCATION <2in V UNCONDITIONED SPACES ONDITIONED SPACES C (CONCEALED DUCTWORK) CONDITIONED SPACES (EXPOSED DUCTWORK) HANGERS FOR DUCTS UP TO 18" IN WIDTH OR THAN 8 FOOT CENTERS DUCTS 19" AND OVE SUPPORTED ON NOT MORE THAN 4 FOOT CE CONSTRUCTED OF GALVANIZED BAND IRON DIAMETER. HANGERS SHALL EXTEND DOWN RECTANGULAR DUCTS, AND WRAP COMPLET SHALL BE RIGIDLY SUPPORTED. ALL DUCTWORK SHALL BE CLEANED PRIOR T DIFFUSERS. OPERATE FANS TO BLOW OUT D RECTANGULAR LOW-PRESSURE SUPPLY AND

MECHANICAL SP

RECTANGULAR LOW-PRESSURE SUPPLY AND WITH 1" FACED FIBERGLASS INSULATION SECI INSULATION SHALL BE 1-1/2 POUND DENSITY. OUTDOOR DUCTWORK EXPOSED TO THE WEA FACED FIBERGLASS INSULATION SECURELY B SHALL BE FITTED WITH A 0.016 EMBOSSED ALL WEATHERPROOF FIT.

- DUCT DIMENSIONS SHOWN ON DRAWINGS AR INCREASED TO ACCOMMODATE INSULATION. I JOHN-MANSVILLE OR SCHULLER INTERNATION
- CLASS I KITCHEN EXHAUST HOOD DUCT SYST A. TYPE I COMMERCIAL HOOD AND GREASE D
- FROM COMBUSTIBLE AND NONCOMBUSTIE IMC SECTION 507.9 AND ASTM E23-36. B. CONSTRUCT EXHAUST DUCT OF WELDED
- CONCEALED DUCTS, AND WELDED OR FLAN EXPOSED DUCTS. C. SLOPE HORIZONTAL DUCT AT 1/4" PER FOOT
- PROVIDE ACCESS DOORS AT EACH CHANG
 PROVIDE RESIDUE TRAP AT THE BASE OF I CLEANOUT.
- F. ALL SEAMS, JOINTS AND PENETRATIONS S EXTERNAL WELD.G. PROVIDE AND INSTALL ONE OF THE FOLLO
- FIRE RESISTIVE CONSTRUCTION OR, A DUC DUCT FIRE PROTECTION SYSTEM, OR APPI DUCT SYSTEM - METAL FAB MODEL "NO CH WHICHEVER METHOD IS CHOSEN MUS ADMINISTRATIVE AUTHORITY AND STA

PECIFICATIONS	MECHANICAL SPECIFICATIONS	h 047 0m
FICATION	233300 - DUCTWORK ACCESSORIES	Ct Ct 8400 Miles
IDARD COLOR-CODED .PE, NOT LESS THAN 3 MILS THICK. 1-1/2" IAMETERS LESS THAN 6" (INCLUDING ER DIPES	FLEXIBLE DUCTWORK: THE FINAL 5 FOOT CONNECTION TO GRILLES AND DIFFUSERS IN LAY-IN CEILINGS, OR TO FLOOR MOUNTED GRILLES, MAY BE MADE WITH FLEXIBLE DUCT, FLEXMASTER TYPE 5M ONLY. ENDS SHALL BE BROWDED WITH TURNING VANES.	d L. W Chite Chite Utah Utah 77°ms
EN PIELS.	 SQUARE/RECTANGULAR ELBOWS SHALL BE PROVIDED WITH TORNING VANES. PROVIDE FLEXIBLE CONNECTIONS NOT LESS THAN 4" WIDE CONSTRUCTED OF HEAVY, WATERPROOF, WOVEN PLASTIC COATED GLASS FABRIC AT SUPPLY AND RETURN CONNECTIONS TO HEAT PUMPS, AIR HANDLING, ROOFTOP, MAKE-UP AIR OR FAN-COIL UNITS. CORNERS SHALL BE SEWN TIGHT. CONNECTIONS SHALL BE 20 OUNCE VENTFABRICS OR EQUAL. 	Donal Donal Ar(533 Sanc 1idvale, 801. velch59
IENCLATURE WHICH BEST DESCRIBES AS SELECTED BY ARCHITECT OR ENGINEER DIRECTION OF FLOW.	4. COMBINATION FIRE AND SMOKE DAMPERS, SMOKE DAMPERS, OR FIRE DAMPERS IN DUCTWORK THROUGH ALL FLOORS AND FIRE WALLS SHALL BE FURNISHED AND INSTALLED AS REQUIRED TO CONFORM TO THE LATEST NFPA BULLETIN CONCERNING THIS TYPE OF BUILDING AND SHALL BE LISTED AND LABELED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS OF UL555 AND UL555S. DAMPERS, COMPLETE WITH MOUNTING ANGLES, SHALL BE MULTI-BLADE, FUSIBLE LINK, SPRING ACTING WITH 11 GAUGE SLEEVE. FUSIBLE LINK SHALL BE RATED AT 165°F. CONTROLLED BY AUTOMATIC SMOKE DETECTION IN DUCT OR AREA OF SMOKE DISPERSION.	Ğ 5 Ğ
FACTURER'S STANDARD 3/32" THICK ATION IN 1/4" HIGH LETTERS AND 32" HOLE FOR FASTENER. PROVIDE 1-1/2"	5. DUCT MOUNTED BALANCING DAMPERS SHALL BE USED TO CONTROL SUPPLY AIR TO EACH DIFFUSER AND GRILLE. AN OPERATING HEAD SHALL BE PLACED ON THE SIDE OF THE DUCT WITH A POSITIVE LOCKING QUADRANT. DAMPERS SHALL BE PROVIDED IN RETURN AND EXHAUST AIR DUCTS WHERE SHOWN ON DRAWINGS. COORDINATE THE LOCATION OF CEILING ACCESS PANELS.	
RASS CHAIN (WIRE LINK OR BEADED TYPE), RED FOR PROPER ATTACHMENT OF TAGS TO R THAT PURPOSE.	6. PROVIDE CEILING ACCESS DOORS AT ALL LOCATIONS OF BALANCING DAMPERS, FIRE DAMPERS, FIRE/SMOKE DAMPERS, VALVES, ETC., WHERE THERE IS NOT A LIFT-OUT TYPE CEILING. ACCESS DOORS SHALL BE HINGED OF METAL CONSTRUCTION WITH SCREWDRIVER LATCHES. ACCESS DOORS TO BE LISTED AND FIRE RATED EQUAL TO OR GREATER THAN THE PATING ASSEMBLY THEY APPLINSTALLED IN	
G, AND BALANCING	 AT FIRE DAMPERS, A DUCT MOUNTED SHEET METAL HINGED DOOR SHALL BE PROVIDED AND INSTALLED WITH POSITIVE LOCKING HANDLE. WHERE DUCTS ARE INSULATED COVERS 	
ING AND BALANCING AGENCY TO BALANCE 3Y PERSONS FULLY FAMILIAR WITH SYSTEMS CORDANCE TO AABC OR NEBB STANDARDS. JBMITTED TO THE ENGINEER PRIOR TO JOB	SHALL BE INSULATED. FIRE DAMPERS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS OF UL555. CONTROLLED BY FIRE DETECTOR, FUSABLE LINK, OR ELECTRICAL FUSABLE LINK. PROVIDE 1, 1-1/2, OR 3 HR FIRE RATED MATERIALS AT ALL PENETRATIONS OF FIRE BARRIERS BY DUCTS. SYSTEM APPROVED BY ASTM E 814 OR EQUAL.	THE DESIGNS SHOWN AND DESCRIBED HERE NCLUDING ALL TECHNICAL DRAWINGS, CRAPHIC REPRESENTATION & MODELS
ATION	 8. GRAVITY OR BACKDRAFT DAMPERS SHALL BE ALL ALUMINUM CONSTRUCTION, INTERCON- NECTED AND BLADED, PRESSURE DROP THROUGH DAMPERS SHALL NOT EXCEED 0.04" W.G. 9. FIRE ALARM CONTRACTOR SHALL TEST FOR FIRE/SMOKE DAMPERS AS REQUIRED BY LOCAL 	THEREOF, ARE PROPRIETARY & MODELS COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT INFE SOLE AND EXPRESS WRITTEN
TYPE WITH VAPOR JACKET. SEAL ALL ENDS D SYSTEM. ALTERNATIVELY, USE FLEXIBLE SE 1" THICKNESS FOR PIPE UP TO 2"Ø AND 1	BUILDING OFFICIAL AND FIRE AUTHORITY PRIOR TO OCCUPANCY.	PERMISSION FROM DONALD L. WELCH ARCHITECT
	233416 - FANS	THESE DRAWINGS ARE AVAILABLE FOR IMITED REVIEW AND EVALUATION BY CLIEN
IT 1-1/2 THICK FOIL FACED FIBERGLASS IE DUCT WITH ALL CIRCUMFERENTIAL JOINTS ED A MIN. OF 2". COVER ALL JOINTS WITH WORK INTERIOR TO BUILDING ENVELOPE RK INSULATION SHALL BE MINIMUM R-12.	 ROOF MOUNTED EXHAUST FANS SHALL BE COMPLETE WITH BACKDRAFT DAMPERS. A DISCONNECT SWITCH SHALL BE PROVIDED AT THE FAN. THE DISCONNECT SWITCH SHALL TURN OFF THE FAN WITH THE ACTIVATION OF SMOKE DETECTION. 	CONSULTANTS, CONTRACTORS, GOVERNMEN AGENCIES, VENDORS, AND OFFICE PERSONN ONLY IN ACCORDANCE WITH THIS NOTICE.
HER SHALL HAVE 2" INSULATION AND SHALL CKET POP-RIVITED FOR A TIGHT	 THE FAN SHALL BE COMPLETE WITH INSECT SCREEN AND PREFABRICATED ROOF CURB MATCHING THE FAN SIZE. CEILING MOUNTED EXHAUST FANS SHALL BE COMPLETE WITH LOUVERED GRILLE, BACKDRAFT DAMPER, AND WALL CAP OR ROOF CAP, SEE PLANS. 	consultant:
RECTED, AND TESTED IN ACCORDANCE WITH ONS AND PROCEDURES DETAILED IN THE THE APPLICABLE STANDARDS ADOPTED BY ONTRACTOR'S NATIONAL ASSOCIATION,	 FANS FOR GREASE HOOD APPLICATIONS SHALL BE UPPLAST TYPE, LISTED AND LABELED FOR GREASE HOOD USE AND INSTALLED PER APPLICABLE CODES. UTILITY FAN SETS SHALL BE BELT DRIVEN, CENTRIFUGAL FANS CONSISTING OF WEATHER PROOF HOUSING, WHEEL FAN SHAFT, BEARINGS, MOTOR, DISCONNECT SWITCH, DRIVE ASSEMBLY, DRAIN CONNECTION AND ACCESSORIES. MANUEACTURERS: COOK U.G. BENNI, GREENHECK & BROAN 	ROTLSSTON ROTLSSTON 03-21-2017 No. 9520491 SO DENJAMIN J.
CT TO EXISTING, AS REQUIRED.		SCHLUP SCHLUP
IROUGHOUT, FABRICATED AND INSTALLED SO SHALL BE MADE FROM THE BEST GRADE OF STANDARD GAUGE AND BE FREE FROM HALL BE AIRTIGHT, THE CONSTRUCTION OF ALL BRACING LAYOUT FTC. SHALL BE IN	233713 - GRILLES, DIFFUSER AND LOUVERS	ATE OF UTAN
FIRE DAMPERS AND DUCT SECTIONS FORMING 10 GAUGE STEEL. WING SMACNA DUCT SEALING CLASS:	 RUBBER GASKETS. FINISH FOR ALL REGISTERS, DIFFUSERS, AND GRILLES SHALL BE WHITE. 2. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES 	project:
DUCT TYPE SUPPLY g. >2in. Wg. EXHAUST RETURN	 WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL LIGHTING LAYOUT, AND ARCHITECTURAL ELEVATIONS. 3. LOUVERS SHALL HAVE MINIMUM FREE AREA AND MAXIMUM PRESSURE DROP AS LISTED IN THE SCHEDULES. LOUVER SHALL HAVE FRAME AND SILLS COMPATIBLE 	Tenant Finish
A A A A B B B B B	WITH ADJACENT SUBSTRATE AND FIT ACCURATELY FOR WEATHERPROOF INSTALLATION. LOUVERS SHALL BE COMPLETE WITH 1/2" MESH ANODIZED ALUMINUM BIRD SCREEN.	for New
R DIAMETER SHALL BE PLACED ON NOT MORE R IN WIDTH OR DIAMETER SHALL BE		Recovery
1/8" FOR DUCTS UP TO 36" IN WIDTH OR SIDES AND A MINIMUM OF 1" UNDER ELY AROUND ROUND DUCTS. ALL DUCTS		Campus 4905 4911 4915
O THE INSTALLATION OF CEILING AND UCTWORK. RETURN AIR DUCTWORK SHALL BE LINED		4925, 4931, & 4953 South 900 East
ATHER SHALL BE LINED WITH MINIMUM R-8 BUTTONED OR LAPPED AND SEALED, AND		Salt Lake County Utah
RE INSIDE CLEAR AREA AND SHALL BE DUCT LINER TO BE BY KNAUF GmbH, NAL.		date
TEMS: DUCT SHALL MEET CLEARANCE REQUIREMENTS BLE CONSTRUCTION IN ACCORDANCE TO 2012		revisions
16 GAGE CARBON STEEL SHEETS FOR NGED 18 GAGE STAINLESS STEEL FOR		PERMIT SET-December 28, 201 ADDENDUM #1-January 04, 201
E OF DIRECTION. EACH VERTICAL RISER, WITH PROVISIONS FOR HALL HAVE A LIQUID-TIGHT, CONTINUOUS,		ADDENDUM #3-January 11, 201 ADDENDUM #4-January 17, 201 ADDENDUM #5-January 20, 201
WING SYSTEMS: DUCT ENCLOSURE WITH 2-HR CT WRAP SYSTEM - 3M FIREMASTER GREASE ROVED EQUAL, OR, A PREFABRICATED GREASE IASE IPIC", OR APPROVED EQUAL. IT HAVE APPROVAL FROM THE THE EIDE MAD SHALL		ADDENDUM#7-February 24, 201
]	data
		project no:
		prawn by: checked by:
		title
		MECHANICAL
		EQUIPMENT SPECIFICATIONS

M02

sheet

BUILDING 'F'

	ELECTRIC UNIT HEATER SCHEDULE														
						ELECTRICAL		OPERATING							
SYMBOL		LOCATION	ARRANGEMENT	CFM	KW	MOTOR		T PHASE	WEIGHT (LBS.)	NOTES	ACCESSORIES AND REMARKS				
	AND MODEL NO.				r.vv	H.P.									
EUH-1	TRANE UHEC03	WATER ENTRIES	VERTICAL	400	3.3	1/125	208	1	132	3	WALL HUNG				
EUH-2	TRANE UHCA02	EXIT DOORS	HORIZONTAL	-	2.0	-	208	1	-	1,2	RECESSED, CEILING MOUNTED				
EUH-3	TRANE UHAA15	CUSTODIAN	VERTICAL	-	1.5	-	208	1	22	1,2	RECESSED, WALL MOUNTED				

NOTES:

(1) UNIT MOUNTED TAMPERPROOF THERMOSTAT (2) UNIT MOUNTED DISCONNECT SWITCH

(3) PROVIDE WALL MOUNTED LINE VOLTAGE THERMOSTAT AND TAMPERPROOF WALL BRACKET

	DIFFUSER AND GRILLE SCHEDULE												
SYMBOL	MANUFACTURER AND MODEL NO.	LOCATION	CFM	OVERALL SIZE	NOTES	ACCESSORIES AND REMARKS							
SG-1	TITUS 300R	CEILING	SEE PLANS	14 X 6 10 X 6	3,5	CEILING SUPPLY GRILLE W/ FIRE DAMPER							
CD-1	TITUS PAS-FR	CEILING	SEE PLANS	24 X 24 12 X 12	2,5	CEILING DIFFUSER W/ FIRE DAMPER							
RG-1	TITUS PAR-FR	CEILING	SEE PLANS	24 X 24 16 X 16	2,5 7	RETURN GRILLE W/ FIRE DAMPER							
EG-1	TITUS 63F	EXTERIOR EXHAUST TERMINATION	SEE PLANS	8X6	4	EXHAUST DISCHARGE GRILLE, ALUMINUM							
DG-1	TITUS CT-700L	DOOR TRANSFER	SEE PLANS	18 X 12	1	DOOR GRILLE							
FIRE RATI	FIRE RATING NOTE: ALL CEILING DUCTWORK & DIFFUSER PENETRATIONS TO HAVE UL CLASSIFIED FIRE DAMPERS TO MAINTAIN FIRE RATING. (TYPICAL)												

NOTES: (1) PROVIDE AUXILIARY FRAME FOR TO ALLOW FOR FINISHED LOOK ON BOTH SIDES OF DOOR.

(3) PROVE DOUBLE DEFLECTION GRILLE WITH INTEGRAL BALANCING DAMPER. (d) REOVIDE DECESSARY FRAME TO ALLOW FOR INSTALLATION ON BOTTOM SIDE OF EXISTING EXTERIOR OVERHANG. (5) PROVIDE UL CLASSIFIED <u>FIRE RATED</u> CEILING DIFFUSER ASSEMBLY.

	EXHAUST FAN SCHEDULE													
SYMBOL	MANUFACTURER AND MODEL NO.	LOCATION	TYPE	CFM	FAN ESP	MO H.P.	ELECTR TOR WATTS	VOLT	PHASE	OPERATING WEIGHT (LBS.)	CONTROL METHOD	ACCESSORIES AND REMARKS		
EF-1	PANASONIC FV-05-11VKS1	PRIVATE UNIT BATHROOMS	CEILING	110	0.5	-	57	115	1	27	1	CEILING MOUNTED W/ WHITE GRILLE		

CONTROL METHOD: (1) CONTROLLED BY WALL SWITCH (2) FAN RUNS CONTINUOUSLY DURING BUILDING OCCUPANCY (3) CONTROLLED BY LINE VOLTAGE SPACE THERMOSTAT

(1) STANDARD DISCONNECT NEMA 1 (2) BACKDRAFT DAMPER (3) FLEX DUCT CONNECTION (4) FAN SPEED CONTROLLER 5A 120V PREWIRED (5) RUBBER ISOLATOR SET (4) (6) PROVIDE UL LISTED CEILING RADIATION DAMPER TO MATCH FAN TYPE (PANASONIC-RD05C3)

ROOFTOP UNIT SCHEDULE (2-STAGE HEATING/COOLING)

										•		
SVMBOL		ANUFACTURER MODEL # CFM ESP VOLT/PH EER	CEM	ESD		EED		HEATING INPUT		DIME		
STNIBOL	MANOFACTORER		(BTUH)	(BTUH)	VOLT/PH	MCA (AMPS)	MAX FUSE	НХ				
RTU-1	TRANE	4YCZ6036	1200	1.0	208/3	16.0	36,000	96,000	208/3	19.1	30 A	48" X 4
RTU-2	TRANE	YHC047E3	1600	1.0	208/3	16.0	50,500	120,000	208/3	28.9	40 A	41" X 4
								*		3		

(1) PROVIDE DIGITAL REMOTE PROGRAMMABLE THERMOSTAT IN LOCKABLE COVER. (2) 0-25% MANUAL FRESH AIR DAMPER (BUILDING B RTUS)

(3) 0-100% HORIZONTAL ECONOMIZER (BUILDINGS A & C THRU F RTUS)

(4) 13" HIGH ROOF CURB/PLATFORM

(5) CRANKCASE HEATER FOR LOW AMBIENT COOLING (6) PROVIDE INSULATED DUCT SHROUD ON ALL EXTERIOR DUCTWORK

(7) GAS PRESSURE REGULATOR & ISOLATION VALVE

(8) 120 V CONVENIENCE OUTLET INTEGRAL TO UNIT (9) CONDENSER COIL HAIL GUARD

(10) NON-FUSED DISCONNECT INTEGRAL TO UNIT

(11) GAS & ELECTRIC FEEDS TO ENTER THROUGH BASE OF UNIT

					D	UCTLE	SS SP	LIT SY	STEN
			INDOC	R UNIT		COOLING	HEATING		
S I MBOL	MANUFACTURER	MODEL #	CFM	VOLT/PH	RLA (AMPS)	(BTUH)	(BTUH)	SYMBOL	VOLT/PH
DSS-1	LENNOX	MS8-HI-24P	590	208/1	0.24	25,000	26,000	CU-1	208/1
DSS-2	LENNOX	MS8-HI-30P	705	208/1	0.40	30,000	33,000	CU-2	208/1
(1) PRC (2) BUI (3) MUI (4) DEF	DVIDE REMOTE PRO LT IN CONDENSATE LTI-SPEED FAN FROST CONTROL	GRAMMABLE TH PUMP / DISCHAR		STAT. BUII NDENSAT	_DINGS A, B, E Έ TO APPRO\), E & F MAX T /ED LOCATIOI	TEMP 85F (AD. N	J.) BUILDIN	IG C COOL

 (5) COMPRESSOR OVERCURRENT PROTECTION
 (6) PROVIDE MANUFACTURER'S WALL CHANNEL (SPEEDICHANNEL SYSTEM) TO CONCEAL ALL REFRIGERANT PIPING EXPOSED TO VIEW AND EXTERIOR CONDITIONS. (7) PROVIDE MANUFACTURER'S CONDENSER PAD 18 X 36 X 2

(2) PROVIDE FRAME AND BALANCING DAMPER ACCESSIBLE THROUGH GRILLE FOR HARDLID CEILING APPLICATIONS AS REQUIRED.

ACCESSORIES:

ENSIONS WEIGHT XWXL (LBS) (45" X 52" 550 800 (53" X 88"

COMMENTS

HORIZONTAL SUPPLY/RETURN HORIZONTAL SUPPLY/RETURN

M HEAT PUMP									
OUTDOOR UNIT									
Ч	MCA (AMPS) MODEL # HSPF SEER								
I 16.0 MS8-HO-24P 10.20		10.20	18.00	HIGH SIDEWALL STYLE (BLDGS. A, B, D, E & F)					
1	20.0 MS8-HO-30P 8.20 16.00 HIGH SIDEWALL STYLE (BLDG. C)								
JLI	DLING SETPOINT 70F (ADJ.) MAINTAIN 50F HEATING SETPOINT (ADJ)								

Lane 4047 Donald L. Welch Architect 7533 Sandy Land Lá Midvale, Utah 840 801.548-6391 dwelch5977®msn.ce THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE. consultant: 03-21-2017 No. 9520491 BENJAMIN J SCHLUP/ project: Tenant Finish for New Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, & 4953 South 900 East Salt Lake County, Utah date February 24, 2017 revisions PERMIT SET-December 28, 2016 1 ADDENDUM #1-January 04, 2017 3 ADDENDUM #3-January 11, 2017 4 ADDENDUM #4-January 17, 2017 5 ADDENDUM #5-January 20, 2017 7 ADDENDUM#7-February 24, 2017 data project no: drawn by: checked by: title MECHANICAL DETAILS sheet M12 BUILDING 'F'

BAYECON203,204A Horizontal Economizer and Rain Hood

3 HORIZONTAL ECONOMIZER DETAIL (3 TON) SCALE: NTS

Stainless Steel Drain Pan

For excellent corrosion and oxidation resistance, the optional stainless steel drain pan provides a cleanable surface that complement other IAQ solutions such as high efficiency filtration (MERV 8 or 13), demand control ventilation (CO₂), and hot gas reheat.

Powered or Unpowered Convenience

This option is a GFCI, 120V/15amp, 2 plug, convenience outlet, either powered or unpowered. This option can only be ordered when Through the Base Electrical with either the Disconnect Switch or Circuit Breaker option is ordered. Note: Not available on 460V/575V units.

Through-the-Base Electrical Utility Access

both control and main power connections inside the curb and through the base of the unit. Option will allow for field installation of liquidtight conduit and an external field installed disconnect switch.

An electrical service entrance shall be Factory provided through the base openings simpl provided allowing electrical access for wiring and piping. Because these utility openings frequently minimize the number of roof penetration integrity of roofing materials is enhanced.

RECOMMENDED SERVICE CLEARANCE MM/IN.								
		WITH ECONOMIZER						
BACK SIDE	304.8 [12]	762.0 [30]						
LEFT SIDE	762.0 [30]	9 4.4 [36]						
RIGHT SIDE	914.4 [36]	-						
FRONT SIDE	1066.8 [42]	-						

BOTTOM

BACK SIDE

LEFT SIDE

RIGHT SIDE

FRONT SIDE

TOP

Optional Equipment

2)25% OUTSIDE AIR DAMPER (3 TON) SCALE: NTS

SCALE: NTS

Touchscreen Programmable Thermostat (2H/2C)

Two Heat/Two Cool programmable thermostat with touch screen digital display. Menu-driven programming. Effortless set-up. Program each day separately with no need to copy multiple days. All programming can be done on one screen. Easy to read and use. Large, clear backlit digital display.

Donald L. Welch Architect 7533 Sandy Land Lane Midvale, Utah 84047 801.548-6391 dwelch5977®msn.com
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Consultant: PROFESS/ON CONSULTANT PROFESS/ON CONSULTANT OBENJAMIN J. SCHLUP CONSULTANT CONSUL
project: Tenant Finish for New Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, & 4953 South 900 East Salt Lake County, Utah
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data project no: drawn by: checked by: title MECHANICAL DETAILS sheet
M13 BUILDING 'F'

SYMBOL LEGEND						
SYMBOL	DESCRIPTION					
PLUMBING PIPING						
w	SOIL, WASTE - ABOVE GRADE					
W	SOIL, WASTE - BELOW GRADE					
GW	GREASE WASTE - ABOVE GRADE					
	GREASE WASTE - BELOW GRADE					
	VENT					
	COLD WATER					
	HOT WATER					
	HOT WATER CIRCULATE					
ST	STORM - ABOVE GRADE					
ST	STORM - BELOW GRADE					
OST	OVERFLOW STORM ABOVE GRADE					
OST	OVERFLOW STORM BELOW GRADE					
VTR	VENT THRU ROOF					
(E)	EXISTING PIPE					
<i></i> (E)	EXISTING PIPE TO BE REMOVED					
G	GAS					

SY	MBOL LEGEND
SYMBOL	DESCRIPTION
VALVES, METERS	S, AND GAUGES
	SHUT OFF VALVE
X	GATE VALVE
	CHECK VALVE
X	AUTO 2-WAY VALVE
¥	AUTO 3-WAY VALVE
	GLOBE VALVE
φ	BALL VALVE
	RELIEF VALVE
X	CHAIN OPERATED GATE VALVE
	PRESSURE REDUCING VALVE
Ĩ	BUTTERFLY VALVE
	SOLENOID VALVE
	ANGLE VALVE
	VENTURI
⊗	BALANCING OR PLUG COCK
&	FLOW SETTER
	EXPANSION VALVE (REFRIG.)
	GAS COCK
¥MAV	MANUAL AIR VENT
	STRAINER
م	GAUGE COCK
	FLEXIBLE CONNECTION
Ŷ	PRESSURE GAUGE
μ	THERMOMETER
	VICTAULIC COUPLING
	REDUCER CONCENTRIC
V	REDUCER ECCENTRIC
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
———————————————————————————————————————	90° ELBOW UP
	90° ELBOW DOWN
O	90° TEE UP
<u>C</u>	90° TEE DOWN
	UNION
	CAPPED PIPE
X	ANCHOR
	FLOAT AND THERMOSTATIC TRAP
PLUMBING SYMB	OLS
С.В.	CATCH BASIN
○ м.н.	MANHOLE
	WALL HYDRANT
— Н.В.	HOSE BIBB
—Ф	CLEANOUT TO GRADE
Φ	FLOOR CLEANOUT
———————————————————————————————————————	WALL CLEANOUT
	1/2 GRATE
	3/4 GRATE
	FULL GRATE

ABBREVIATIONS NOTE: ALL ABBREVIATIONS MAY NOT BE USED MINIMUM CIRCUIT AMPS ACCESS DOOR MCA AD MANUFACTURER MFR AC AIR CONDITION(-ING,-ED) APD AIR PRESSURE DROP MIN MINIMUM BD BHP N/A NC BALANCING DAMPER NOT APPLICABLE BRAKE HORSE POWER NORMALLY CLOSED BTU BRITISH THERMAL UNIT NC NOISE CRITERIA BTUH **BTU/HOUR** NOT IN CONTRACT NIC CFH CUBIC FEET PER HOUR NO NORMALLY OPEN CFM CUBIC FEET PER MINUTE NPSH NET POSITIVE SUCTION HE CLG COOLING NTS NOT TO SCALE COMP COMPONENT OA OUTSIDE AIR COND CONDENS(-ER, -ING, -ATION) OD OUTSIDE DIAMETER CV OZ OUNCE CONTROL VALVE PD PRESSURE DROP CW COLD WATER DIA PROPYLENE GLYCOL DIAMETER PG DISCH DISCHARGE PHASE PH PARTS PER MILLION DP DEPTH OR DEEP PPM DB DRY BULB TEMPERATURE PRESS PRESSURE POUNDS PER SQUARE FOO (E) EXISTING PSF EER ENERGY EFFICIENCY RATIO PSI POUNDS PER SQUARE INCH EFF EFFICIENCY PSIA PSI ABSOLUTE EG ETHYLENE GLYCOL PSIG PSI GAUGE ELEC ELECTRIC THERMAL RESISTANCE R ELEV ELEVATION **RETURN AIR** RA ENT RECIRC RECIRCULATE ENTERING EVAPORAT(-E, -ING, -ED, -OR) REFR EVAP REFRIGERATION EWT ENTERING WATER TEMP REQD REQUIRED EXT EXTERNAL RPM **REVOLUTIONS PER MINUTE** (F) FUTURE RW RAINWATER SA SUPPLY AIR FAHRENHEIT SC FC FLEXIBLE CONNECTION SHADING COEFFICIENT FIRE DAMPER SCW SOFT COLD WATER FD SF FLA FULL LOAD AMPS SAFETY FACTOR SH SENSIBLE HEAT FPI FINS PER INCH SL SP FPM FEET PER MINUTE SEA LEVEL FEET PER SECOND FPS STATIC PRESSURE FSD SPEC FIRE SMOKE DAMPER SPECIFICATION FT FEET SQ SQUARE GALLON(S) STANDARD GAL STD GPH GPM GALLONS PER HOUR STM STEAM TEMP TEMPERATURE GALLONS PER MINUTE HD TEMP. DROP OR DIFF. HEAD TD HG TOT MERCURY TOTAL HR HOUR TSTAT THERMOSTAT HT HEIGHT V VENT HTG HEATING VAC VACUUM HORSE POWER VAV VARIABLE AIR VOLUME HP HOT WATER VELOCITY HW VEL HZ VENT, VENTILATION HERTZ(FREQUENCY) VENT ID INSIDE DIAMETER VERT VERTICAL VOLUME IN INCH VOL KW KILOWATT WC WATER COLUMN LAT LEAVING AIR TEMPERATURE WG WATER GAUGE WATER PRESSURE DROP LBS POUNDS WPD LG LENGTH WTR WATER LATENT HEAT WT WEIGHT LH LRA LVG LOCKED ROTOR AMPS WB WET BULB TEMP LEAVING LWT LEAVING WATER TEMP MAX MAXIMUM MBH THOUSAND BTU PER HOUR SYMBOL LEGEND SYMBOL DESCRIPTION REFERENCE AND LINE SYMBOLS DETAIL INDICATOR: # INDICATES DETAIL NUMBER, # SHEET INDICATES DRAWING SHEET WHERE DETAIL SHEET/ SHOWN. \searrow 100 ROOM OR SPACE NUMBER. $\langle 1 \rangle$ KEYNOTE INDICATOR. REVISION INDICATOR. CU-1 EQUIPMENT INDICATOR. (P-) PLUMBING FIXTURE INDICATOR. TYPE CFM SIZE DIFFUSER/GRILLE INDICATOR. TYPE SIZE DIFFUSER/GRILLE INDICATOR. _____ BREAK, STRAIGHT BREAK, ROUND. MATCH LINE MATCH LINE INDICATOR SEE XX/X-XXX HIDDEN FEATURES LINE: HIDDEN, THIN LINE. ____ CONTRACT LIMIT LINE: DASHDOT, WIDE LINE. ____ · ____ NEW CONNECTION POINT TO

EXISTING

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PLUMBIN	IG SCOPE OF WORK		Wel Vel uh 8d uh 8d msn
DEMOLITION NOTES:			d L. chit Uta 77°
ABOVE HARDLID CEILINGS OF DEMOLITION IS REQUIR	O UTILIZE SELECTIVE DEMOLITION APPROACH. IMBING EQUIPMENT AND ACCESSORIES LOCATED OR WITHIN INACCESSIBLE SPACES. FIELD TRACIN ED.	Э	Donal Ar Ar 33 Sanc idvale, elch59
ALL EXISTING PLUMBING F TO ALLOW FOR NEW TENAL PIPING, AND ACCESSORIES TO BE REMOVED.	IXTURES AND ACCESSORIES ARE TO BE REMOVED NT SPACES. ALL PLUMBING EQUIPMENT, FIXTURES THAT ARE CURRENTLY ABANDONED IN PLACE AR	s, ≡	M M dw
ALL STORM WATER / ROOF REMAIN UNCHANGED.	DRAINAGE PIPING WITHIN THE BUILDING IS TO		
EXISTING GAS METERS TO REUSED IF SIZING AND ROI UTILITY COMPANY TO VERI PRESSURES.	REMAIN. EXISTING GAS PIPING SEGMENTS MAY BI UTING ARE SIMILAR TO NEW PIPING LAYOUT. PUBL FY NATURAL GAS CAPACITIES AND ASSOCIATED	E IC	
CAP/REPLACE ALL WASTE / FOR FUTURE CONNECTION	AND VENT LINES BACK TO NEAREST MAIN TO ALLO IS.	w	
NEW CONSTRUCTION NOTE	<u>=S:</u>		
ALL DOMESTIC COLD WAT ENVIRONMENT ARE TO BE	BE INSTALLED AS INDICATED ON PLANS. ER AND FIRE WATER PIPING SEGMENTS EXPOSED INSULATED AND HEAT TRACED FOR FREEZE	то	THE DESIGNS SHOWN AND DESCRIBED HEREII NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEFEOE ARE PROPERTARY & CAN NOT BE
ALL EXISTING STORM DRAI DRAINAGE SYSTEM.	N TERMINATIONS ARE TO CONNECT TO CIVIL		COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH
ALL GREASE WASTE PIPING KITCHEN WILL TIE INTO NE DRAWINGS. A VENT LINE F AND WILL TERMINATE THR	G DESIGNATED TO SERVE FUTURE WARMING W GREASE INTERCEPTOR AS SHOWN ON CIVIL OR THE GREASE INTERCEPTOR WILL BE PROVIDED OUGH ROOF OF BUILDING 'D'.		ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENT: CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNE
THE NEW SYSTEM COMPO TEMPORARY RESIDENT SP	NENTS WILL ALLOW FOR FUTURE OFFICE AND ACES AS INDICATED ON PLANS.		DNLY IN ACCORDANCE WITH THIS NOTICE.
DOMESTIC WATER, WASTE BE PROVIDED TO EACH BU	, AND GREASE WASTE LINES (AS APPLICABLE) WILI ILDING AS INDICATED.		consultant:
HEATING OF DOMESTIC WA WATER HEATERS.	TER WILL BE PROVIDED BY INDIVIDUAL BUILDING		PROFESSION
DOMESTIC COLD WATER SI WATER ENTRY ROOM. VEF	UBMETERS TO BE INSTALLED IN EACH BUILDING'S RIFY NEED WITH OWNER PRIOR TO INSTALLATION.		03-21-2017 4 No. 9520491 BENJAMIN J. SCHLUP
INSTALL FIRE PROTECTION S DRAWING SET. ALL BREEZEWAY SOFFITS TO FED FROM FIRE ENTRY ROOM IN THE EVENT THAT ROUTING CONDITIONS A DRY-PIPE SYS COMPRESSOR IN ASSOCIATE SEE SHEET P02 (SPEC SECTION REQUIREMENTS & DETAILS. DIVISION 26 CONTRACTOR TO SWITCH.	YSTEM PER NOTES INDICATED ON P02 OF THIS O INCORPORATE DRY PIPE FIRE PROTECTION SYST A PIPING AS REQUIRED. O MAY PROVE DIFFICULT DUE TO EXISTING STEM SHOULD BE EVALUATED. LOCATE AIR D FIRE ENTRY ROOM AS REQUIRED. ON 221316) AND SHEET P13 FOR FURTHER SYSTEM O PROVIDE POWER TO ASSOCIATED SYSTEM FLOW	EM	for New Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, & 4953 South 900 East Salt Lake County Utah
			date February 24, 2017
			revisions PERMIT SET-December 28, 2016 ADDENDUM #1-January 04, 2017 ADDENDUM #3-January 11, 2017 ADDENDUM #4-January 17, 2017 ADDENDUM #5-January 20, 2017 ADDENDUM#7-February 24, 2017
			data
			project no: drawn by: shocked by:
			PLUMBING GENERAL NOTES & LEGEND sheet
			P01

BUILDING 'F'

201	00 - BASIC PIPING MATERIALS & METHODS
1.	CORE CUT ALL PIPE PENETRATION OF EXISTING MASONRY OR CONCRETE WALLS AND FLOORS. SLEEVE ALL PENETRATIONS THROUGH NEW WALLS AND FLOORS. SEAL ALL PENETRATIONS WATER TIGHT WITH SILICONE SEALANT. USE FIRE RATED SEALANT (3M "FIRE BARRIER" OR EQUAL) FOR 1 HOUR OR 2 HOUR PENETRATIONS.
2.	CAULK AROUND ALL PIPING THAT PASSES THROUGH FIRE-RATED PARTITIONS WITH A NON-HARDENING CAULKING SIMILAR TO 3M "FIRE BARRIER".
3.	SEAL ALL PIPING THROUGH WALLS AIR TIGHT.
2205	33 - HEAT TRACING CABLE
1.	PROVIDE RAYCHEM ELECTRIC SELF REGULATING HEATING CABLE WITH ALL NECESSARY ACCESSORIES TO MAINTAIN THE TEMPERATURE IN THE TRACED PIPE SYSTEM AT 45°F.
2.	FOR DOMESTIC HOT WATER USE, THE CABLE SHALL BE DESIGNED, MANUFACTURED AND U.L. LISTED FOR DOMESTIC HOT WATER TEMPERATURE MAINTENANCE.
3.	CABLE SHALL CONSIST OF TWO (2) 16-AWG NICKEL-COATED COPPER BUS WIRES EMBEDDED IN A RADIATION-CROSSLINKED CONDUCTIVE POLYMER CORE. IT SHALL BE COVERED BY A RADIATION-CROSSLINKED, POLYOLEFIN, DIELECTRIC JACKET SURROUNDED BY A POLYMER-COATED ALUMINUM WRAP, AND ENCLOSED IN A TINNED COPPER BRAID OF 14 AWG EQUIVALENT WIRE SIZE. THE BRAID SHALL BE COVERED WITH A (NOMINAL) 40-MIL POLYOLEFIN OUTER JACKET, COLOR CODED FOR EASY IDENTIFICATION.
2205	48 - VIBRATION ISOLATION AND SEISMIC
1.	ALL PLUMBING EQUIPMENT AND PIPING MUST BE VIBRATION ISOLATED AND SEISMICALLY BRACED FOR THE SITE SPECIFIC SEISMIC DESIGN CATEGORY AND SEISMIC USE GROUP, IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE BUILDING CODES AND ASHRAE. PROVIDE SEISMIC PRODUCTS BY AMBER-BOOTH OR MASON INDUSTRIES.
2.	IN GENERAL, PROVIDE SPRING MOUNTS TO ATTENUATE LOW FREQUENCY SOUND AND VIBRATION. PROVIDE NEOPRENE PADS TO ATTENUATE HIGH FREQUENCY SOUND
3.	VIBRATION: SEISMIC BRACING/MOUNTING CAN BE COMBINED WITH VIBRATION ISOLATION AS APPLICABLE.
4.	CONTRACTOR MANUFACTURED SEISMIC BRACING/RESTRAINT METHODS ARE NOT ACCEPTABLE.
5.	PROVIDE A SIGNED AND STAMPED LETTER FROM A PROFESSIONAL ENGINEER CERTIFYING THAT THE SUPPLIED PRODUCTS ARE CORRECT FOR THE APPLICATION AND THAT THE INSTALLATION IS IN COMPLIANCE WITH ALL APPLICABLE CODES.
2207	19 - INSULATION
1.	PIPE INSULATION: SNAP-ON GLASS FIBER TYPE WITH VAPOR JACKET. SEAL ALL ENDS AND JOINTS TO PROVIDE A COMPLETELY SEALED SYSTEM. ALTERNATIVELY, FOR INTERIOR WATER PIPING, USE FLEXIBLE UNICELLULAR ASTM 534 TYPE 1 INSULATION. USE 1" THICKNESS FOR PIPE UP TO 2"Ø AND 1-1/2" FOR PIPE OVER 2"Ø
2.	PROVIDE ADA COMPLIANT FIXTURES WITH SNAP ON ADA ARTICLE 4.19 22FF COMPLIANT WHITE INSULATION. TRUEBRO LAV GUARD, BASIN GUARD OR LAV SHIELD.
3.	THERMAL AND SOUND INSULATION AND COVERING WHICH ARE INSTALLED AND EXPOSED SPACES AND COVERING PIPE AND TUBING SHALL BE TESTED IN ACCORDANCE WITH ASTM E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-450.
4.	THERMAL AND SOUND INSULATION AND COVERING OVER PIPE AND TUBING WHICH ARE INSTALLED IN CONCEALED PLENUM SPACES SHALL BE TESTED IN ACCORDANCE WITH ASTM E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-50.
2211	16 - WATER DISTRIBUTION PIPING
1.	UNDERGROUND WATER PIPING:
	2" AND SMALLER: ASTM 88 TYPE "K" COPPER WITH A MINIMUM NUMBER OF SOLDERED JOINTS. USE 95-5 TIN ANTIMONY COPPER SOLDER.
	2-1/2" AND LARGER: PVC AWWA 900 CLASS 100 WITH SOLVENT CEMENTED JOINTS, OR PB PLASTIC PIPE ASTM D3309 SDR 11 WITH HEAT FUSION JOINTS.
2.	NO TYPE "M" OR "DWV" COPPER IS TO BE USED IN THIS PROJECT.
3.	ALL ABOVE GROUND HOT AND COLD WATER PIPING: ASTM B 88 TYPE "L" COPPER, WITH WROUGHT COPPER FITTINGS AND SOLDERED WITH 95-5 TIN-ANTIMONY SOLDER.
4.	INSTALL PIPE HANGERS WITH THE FOLLOWING MINIMUM ROD SIZES AND MAXIMUM SPACING. UPON COMPLETION OF HANGER INSTALLATION, ALL ADJUSTMENTS HAVING THE POSSIBILITY OF TURNING SHALL BE LOCKED SECURELY IN PLACE BY DOUBLE NUTTING AT THE HANGER ROD ATTACHMENT TO THE STRUCTURE, AND AT THE PIPE HANGER.
	NOM. PIPEMAXMIN. RODSIZE-INCHESSPAN-FT.SIZE-INCHES173/8
	1-1/2 9 3/8 2 10 3/8 3 12 1/2 4 14 5/8
5.	6 17 3/4 ALL PIPE HANGERS AND EQUIPMENT SUPPORTS SHALL BE LOCATED A
6.	MINIMUM DISTANCE OF 2" FROM ANY REFRIGERANT PIPE.
0.	WITH HOSE CONNECTIONS ON THE OUTLET SIDE AND OWNER FURNISHED EQUIPMENT WITH DIRECT CONNECTIONS, SHALL BE

PLUMBING SPECIFICA 221316 - DRAINAGE AND VENT SYSTEMS

- 1. UNDERGROUND BUILDING DRAIN PIPE AND FITTINGS: A. NO HUB ABS OR PVC PLASTIC PIPE AND FITTINGS PER ASTM D2661 WITH ASTM D2235 SOLVENT OR
 - B. ASTM A74 SERVICE WEIGHT, HUB AND SPIGOT CAST IRON SOIL PIPE, OR ASTM A888 (OR CISPI 301) HUBLESS CAST IRON SOIL PIPE WITH ASTM C564 HEAVY DUTY SHIELDED STAINLESS STEEL COUPLINGS.
- A. NO ASTM D2729 PIPE SHALL USED UNDERGROUND.
- ABOVE GROUND SANITARY DRAINAGE AND VENT PIPING, IN ALL AREAS EXCEPT AIR PLENUMS AND EXCEPT IN A FIRE RATED BUILDING, SHALL BE ABS TYPE DWV PLASTIC PIPE AND FITTINGS PER ASTM D2661 WITH ASTM D2255 SOLVENT, OR PVC PLASTIC PIPE AND FITTINGS PER ASTM D2665 WITH ASTM D2564 SOLVENT, OR SERVICE WEIGHT, NO HUB CAST IRON COUPLED PIPE AND FITTINGS WITH COMPRESSION TYPE NEOPRENE GASKETS AND STAINLESS STEEL BANDS.
- FORCE SEWER MAINS UP TO 4" SHALL BE TYPE L HARD COPPER TUBE WITH WROUGHT COPPER PRESSURE FITTINGS AND SOLDERED JOINTS, OR DUCTILE IRON PIPE AND FITTINGS WITH MECHANICAL JOINTS.
- 4. ALL SANITARY DRAINAGE AND VENT PIPING INSIDE AIR PLENUMS AND ANYWHERE IN A FIRE RATED BUILDING SHALL BE NO HUB SERVICE WEIGHT CAST IRON COUPLED PIPE AND FITTINGS WITH COMPRESSION TYPE NEOPRENE GASKETS AND STAINLESS STEEL BANDS. ASTM B306 COPPER PIPE MAY BE USED WITH SOLDERED JOINTS FOR PIPE 3" AND SMALLER.
- ABOVE GROUND ROOF DRAIN LINES, EXCEPT IN AIR PLENUMS AND ANYWHERE IN A FIRE RATED BUILDING, SHALL BE ABS TYPE DWV PLASTIC PIPE AND FITTINGS PER ASTM D2661 WITH ASTM D2255 SOLVENT, OR PV C PLASTIC PIPE PER ASTM D2665 WITH ASTM D2564 SOLVENT.
- ALL ROOF DRAIN LINES INSIDE AIR PLENUMS, OR ANYWHERE IN A FIRE RATED BUILDING, SHALL BE SERVICE WEIGHT CAST IRON PIPE TO CISPI STANDARD 301.
- 7. ALL ROOF DRAIN LINES SHALL BE FULLY INSULATED.
- 8. OVERFLOW ROOF DRAINS SHALL DAYLIGHT 18" ABOVE THE SURROUNDING HORIZONTAL AREA.
- 9. INSTALL SANITARY DRAIN LINES 2-1/2" AND LESS WITH A SLOPE OF 2%. INSTALL SANITARY DRAIN LINES 3"-6" WITH A SLOPE OF NOT LESS THAN 1%.
- 10. SLOPE ROOF DRAIN LINES DOWN IN DIRECTION OF FLOW, 1/8" PER FOOT (1%).
- 11. CLEANOUTS
- A. FINISHED WALL CLEANOUTS: SMITH FIGURE 4472 COMPLETE WITH CAST BRONZE TAPER THREADED PLUG, STAINLESS STEEL COVER AND SCREW.
- B. FLOOR CLEANOUTS (UNFINISHED AREAS): SMITH FIGURE 4223 DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORIATED SECURED CAST IRON TOP, TAPER THREADED BRONZE PLUG AND SPIGOT OUTLET.
- C. FINISHED FLOOR CLEANOUTS (CONCRETE FLOORS): SMITH FIGURE 4023 DUCO CAST IRON CLEANOUT WITH ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP, TAPER THREADED CAST BRONZE PLUG AND SPIGOT OUTLET.
- D. FINISHED FLOOR CLEANOUTS (CARPETED FLOORS): SMITH FIGURE 4023-Y SAME AS CONCRETE FLOORS WITH CARPET MARKER. FINISHED FLOOR CLEANOUTS (TILE FLOORS): SMITH FIGURE 4163
- DUCO CAST IRON CLEANOUT WITH SQUARE ADJUSTABLE SECURED NICKEL BRONZE TOP WITH 1/8" RECESS, TAPER THREADED BRONZE PLUG AND SPIGOT OUTLET.
- F. EXTERIOR CLEANOUTS (CLEANOUT TO GRADE): SMITH FIGURE 4253 DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE. TAPER THREADED BRONZE PLUG AND SPIGOT OUTLET.
- 12. FLOOR DRAINS:

FD-1 FLOOR DRAIN: SMITH FIGURE 2010-BP CAST IRON BODY AND FLASHING COLLAR WITH PROTECTIVE CAP AND SQUARE NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED SQUARE HOLE GRATE, AND TRAP PRIMER CONNECTION.

FD-2 MECHANICAL ROOM DRAIN: SMITH FIGURE 2110-NB MEDIUM DUTY FLOOR DRAIN. CAST IRON BODY AND FLASHING COLLAR WITH NICKEL BRONZE BAR GRATE.

13. ROOF DRAINS (AS REQUIRED IF REPLACEMENT IS NECESSARY)

RD-1 ROOF DRAIN: SMITH FIGURE 1010-ERC CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.

ORD-1 OVERFLOW ROOF DRAIN: SMITH FIGURE 1080-ERC CAST IRON BODY WITH FLASHING CLAMP, GRAVEL STOP, CAST IRON DOME, 2" HIGH CAST IRON WATER COLLAR, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.

DSN-1 DOWNSPOUT NOZZLE:SMITH FIGURE 1770 DOWNSPOUT NOZZLE. CAST BRONZE BODY AND FLANGE. PROVIDE BRONZE BOLTS TO SECURE NOZZLE TO WALL. INSTALL 12" ABOVE FOUNDATION UNLESS NOTED OTHERWISE.

14. FIRE/WATER ENTRIES

FIRE ENTRY: WATTS 757DCDA OSY OR EQUAL. DOUBLE CHECK DETECTOR ASSEMBLY. TWO INDEPENDENTLY OPERATING TRI-LINK CHECK VALVES, TWO SHUTOFF VALVES, AND FOUR TEST COCKS. STAINLESS STEEL HOUSING AND SLEEVE. MAXIMUM WORKING PRESSURE: 175PSI. PROVIDE FLOW SWITCH WITH LINE VOLTAGE POWER.

DOMESTIC WATER ENTRY: WATTS LF909 OR EQUAL. LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY. HORIZONTAL OR VERTICAL (UP OR DOWN) INSTALLATION, TEMPERATURE RANGE: 33°F – 140°F, MAXIMUM WORKING PRESSURE: 175PSI, TEMPERATURE RANGE: 33°F – 210°F, MAXIMUM WORKING PRESSURE: 175PSI (FOR MAIN SERVICE WATER ENTRY APPLICATIONS)

DOMESTIC WATER DOUBLE CHECK: WATTS LF719 OR EQUAL. LEAD FREE DOUBLE CHECK VALVE ASSEMBLY. SEPARATE ACCESS, TOP ENTRY CHECK VALVE, REVERSIBLE SEAT DISC RUBBER, VALVE TEST COCKS, TEMPERATURE RANGE: 33°F – 180°F, MAXIMUM WORKING PRESSURE: 175PSI (FOR APPLICATIONS DOWNSTREAM OF WATER ENTRY PRESSURE REDUCING VALVE)

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PLUMBING SPECIFICATIONS

221613 - NATURAL GAS SYSTEMS

- 1. NATURAL GAS PIPING ABOVE GROUND OR INSIDE BUILDINGS: SCHEDULE 40 BLACK STEEL WITH WELDED OR MALLEABLE IRON FITTINGS
- UNDERGROUND GAS PIPE: EITHER POLYETHYLENE ASTM D2513, OR 2. SCHEDULE 40 BLACK STEEL PRIMED AND WRAPPED IN ACCORDANCE WITH LOCAL GAS COMPANY REQUIREMENTS.
- 3. GAS MAINS INSIDE BUILDINGS ARE SIZED FOR 2 PSIG PRESSURE. LOCATE PRESSURE REGULATORS AS SHOWN ON THE DRAWINGS TO REDUCE PRESSURE FROM 2 PSIG TO 7" W.C. PROVIDE FULL SIZE VENT LINES FROM GAS PRESSURE REGULATORS AND EXTEND TO OUTSIDE OR THROUGH ROOF. FLASH PENETRATIONS AND MAKE WATER TIGHT. INSTALL VENTLESS GAS REGULATOR AS ALTERNATE.
- 4. PROVIDE GAS SHUT OFF VALVE AT EACH PIECE OF GAS UTILIZING EQUIPMENT.
- 5. THE EQUIPMENT INSTALLER SHALL APPLY AND SIGN A CERTIFICATION LABEL TO EACH GAS-FIRED APPLIANCE, STATING THE APPLIANCE HAS BEEN ADJUSTED OR MODIFIED PER MANUFACTURER'S REQUIREMENTS FOR OPERATION AT THE PROJECT ALTITUDE AND WITH THE BTU-CONTENT OF THE AVAILABLE FUEL-GAS.

223000 - WATER HEATERS

PRESSURE.

- INSTALL UNITS PLUMB AND LEVEL AND FIRMLY ANCHORED PER SEISMIC REQUIREMENTS. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES. ORIENT SO CONTROLS AND DEVICES NEEDING SERVICING ARE ACCESSIBLE.
- CONNECT HOT AND COLD WATER PIPING TO UNITS WITH SHUT-OFF 2. VALVES AND UNIONS. CONNECT HOT WATER CIRCULATING PIPING TO UNIT WITH SHUT-OFF VALVE, CHECK VALVE AND UNION.
- USE DIELECTRIC FITTINGS AND UNIONS WHERE PIPING CONNECTIONS ARE DISSIMILAR METALS.
- 4. INSTALL VACUUM RELIEF VALVE IN COLD WATER INLET PIPING. EXTEND RELIEF VALVE DISCHARGE TO CLOSEST FLOOR DRAIN. INSTALL DRAIN AS INDIRECT WASTE TO SPILL INTO OPEN DRAIN OR OVER FLOOR DRAIN.
- PROVIDE AND INSTALL EXPANSION TANK AS SCHEDULED IN DRAWINGS. 5. EXPANSION TANK: DIAPHRAGM TYPE, PRE- PRESSURIZED STEEL TANK WITH RELIEF VALVE SETTING @ 120 PSI MAXIMUM
- CONNECT GAS SUPPLY PIPING TO BURNER WITH DRIP LEG, TEE, GAS 6. COCK, AND UNION, MINIMUM SIZE SAME AS INLET CONNECTION. INSTALL GAS PRESSURE REGULATORS WHERE INDICATED.
- CONNECT OIL PIPING TO OIL BURNER WITH SHUT-OFF VALVE AND UNION IN SUPPLY AND CHECK VALVE AND UNION IN RETURN PIPING.
- 8. ELECTRICAL CONNECTIONS: POWER WIRING AND DISCONNECT SWITCHES ARE SPECIFIED IN DIVISION 16. CONNECT UNIT COMPONENTS TO GROUND IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 9. VENT CONNECTIONS: CONNECT GAS FIRED WATER HEATER DRAFT HOOD TO VENT SYSTEM. UNLESS OTHERWISE INDICATED, PROVIDE VENT SAME SIZE AS OUTLET ON HEATER. COMPLY WITH GAS UTILITY REQUIREMENTS.
- 10. CONNECT OIL-FIRED WATER HEATER VENT AND DRAFT REGULATOR TO VENT SYSTEM. PROVIDE VENT AND DRAFT REGULATOR SAME SIZE AS OUTLET ON HEATER.
- 11. PROVIDE SEALED COMBUSTION SYSTEMS WITH CONNECTIONS FOR OUTSIDE COMBUSTION AIR.
- 12. PROVIDE CONCENTRIC VENT TERMINATION KIT FOR ROOF OR WALL APPLICATIONS.
- 13. PROVIDE PVC COMBUSTION AIR AND VENT PIPING FROM WATER HEATER TO TERMINATION KIT.
- 14. PROVIDE CONDENSATE DRAIN FROM WATER HEATER OR VENT AS REQUIRED.

PLUMBING SPECIFICATI

224213 - PLUMBING FIXTURES

- 1. PROVIDE AND INSTALL CARRIERS AS REQUIRED FOR FLOOR MOUNTED PLUMBING FIXTURES. INSTALL ALL FIXTURES WIT ACCESSORIES AS REQUIRED TO PROVIDE A COMPLETE, WOI INSTALLATION.
- 2. PLUMBING FIXTURES SHALL INCLUDE COMPRESSION STOPS FLOOR IN SUPPLIES TO ALL FIXTURES AND A MINIMUM 17 GAU
- 3. ALL LAVATORIES AND HAND SINKS WILL HAVE A COMBINATION OR PREMIXING FAUCET CAPABLE OF SUPPLYING WARM WAT MINIMUM OF 10 SECONDS.
- 4. ALL JANITORIAL SINK FAUCETS MUST BE PROVIDED WITH AN APPROVED BACKFLOW PREVENTION DEVICE.
- 5. FLOOR DRAINS AND FLOOR SINKS ARE SHOWN IN THE APPR LOCATION. COORDINATE FINAL LOCATION WITH EQUIPMENT DRAINAGE REQUIREMENTS. PROVIDE BLOCKOUTS AS NECES

FIRE SPRINKLER SY

THESE DRAWINGS AND SPECIFICATIONS ARE FOR THE FIRE PROTECT SYSTEM, PER THE DESIGN INTENT AS SHOWN.

- CONTRACTOR TO PROVIDE A HYDRAULICALLY-DESIGNED, FUSIB SPRINKLED, WET PIPE FIRE PROTECTION SYSTEM FOR BUILDING SUBJECT TO FREEZING.
- 2. CONTRACTOR TO PROVIDE A HYDRAULICALLY-DESIGNED, FUSIB SPRINKLED, DRY PIPE OR GLYCOL FIRE PROTECTION SYSTEM E SUBJECT TO FREEZING, INCLUDING PARKING GARAGES, ENTRAN OVERHANGS.
- ALL DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST ADOPT 3. THE BUILDING CODE, FIRE CODE, MECHANICAL CODE, PLUMBING OTHER LOCAL, STATE, OR FEDERAL REGULATIONS AND CODES, INSTRUCTIONS FROM THE AUTHORITY HAVING JURISDICTION.
- 4. SUBMIT FIRE PROTECTION LAYOUT DRAWINGS AND CALCULATIO ENGINEER FOR GENERAL APPROVAL OF SYSTEM LAYOUT, LOCAT COMPONENTS ETC. THEN SUBMIT TO THE FIRE MARSHALL HAVIN AND OBTAIN APPROVAL. CONTRACTOR TO PAY ALL PERMIT/APPI FEES AND COSTS INVOLVED.
- 5. SYSTEM DESIGN SHALL BE BASED ON THE FOLLOWING CRITERIA
- LIGHT HAZARD IN ALL AREAS; EXCEPT ORDINARY HAZARD G 5.1.
- KITCHEN AREA. DESIGN THE SYSTEM USING THE AREA/DENSITY METHOD IN 5.2. 5.3. FLOW TEST DATA TO BE DETERMINED BY THE FIRE PROTEC CONTRACTOR.
- 6. PROVIDE COVERAGE FOR A SINGLE FIRE ZONE.
- 7. PROVIDE INSPECTOR'S TEST CONNECTION IN A LOCATION APPR OWNER AND THE FIRE MARSHALL.
- 8. DUE CONSIDERATION SHALL BE GIVEN TO THE LOCATION OF BUI (I.E. BEAMS, COLUMNS, LIGHT FIXTURES, ETC.) IN DETERMINING SPACING AND ARRANGEMENT. THE STRUCTURE SHOWN ON ALL MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUIL COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL STRUCTURAL.
- 9. ALL EQUIPMENT, PIPING, COMPONENT, AND ACCESSORY SIZES, TYPES SHOWN IN THESE DRAWINGS AND SPECIFICATIONS SHAL
- 10. AUXILIARY DRAINS SHALL BE INCLUDED AS NECESSARY TO DRAI SYSTEM DISTRIBUTION LINES AND BRANCHES DOWNSTREAM OF VALVE.
- 11. AUTOMATIC AIR RELEASE VALVES SHALL BE FURNISHED AS NEC THE DRY PIPE SPRINKLER SYSTEM. THE VALVES SHALL BE MAD FROM THE SYSTEM WITH APPROPRIATELY SIZED GATE VALVES.
- 12. THE CONTRACTOR SHALL THOROUGHLY TEST, DISINFECT, AND F SYSTEM ACCORDING TO APPLICABLE CODES AND STANDARDS.
- 13. ANY DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. CONTRA VERIFY ALL DIMENSIONS AND CONNECTIONS REQUIRED FOR INS
- 14. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL BUILDIN SUCH AS ATTIC SPACES, CONSTRUCTION MATERIALS, SPECIAL L BUILDING SECTIONS, ETC.
- 15. SPRINKLER HEADS:
- SPRINKLER HEADS FOR LIGHT HAZARD CLASSIFICATION S RESPONSE TYPE PER NFPA 13. ALL OTHER CLASSIFICATI STANDARD RESPONSE TYPE.
- GENERAL: ALL HEADS SHALL BE FACTORY MUTUAL APPRO Β. APPLICATION AND INSTALLATION. WET OR DRY TYPE AS I CEILING ESCUTCHEONS MAY BE PLASTIC OR METAL 2 PIE
- C. EXPOSED HEADS IN CEILING: SEMI-RECESSED TYPE WITH CHROME-PLATED ESCUTCHEON CUP, WHEREVER HEADS SURFACE-MOUNTED LIGHTS OR OBSTRUCTIONS, USE EXT HEAD WITH SHALLOW FRICTION ADJUSTABLE ESCUTCHE CHROME-PLATED FINISH. COORDINATE EXTENDED PEND WITH ARCHITECT PRIOR TO PURCHASE OR INSTALLATION

		ane 047 com
UNS	1. CONTRACTOR SHALL REVIEW CONSTRUCTION DOCUMENTS AND	Welc Uect ih 84(msn.c
OR WALL H RKABLE	PROVIDE SPECIFIC FIRESTOPPING DETAILS FROM A SPECIFIC FIRESTOPPING MANUFACTURER FOR EACH MECHANICAL (HVAC) AND PLUMBING PIPE OR DUCT PENETRATION FOR EACH FIRE RATED ASSEMBLY.	Onald L. Archit Sandy L sale, Uta ^{801.548-} ch5977e
ABOVE UGE P-TRAP. DN FAUCET	2. PROVIDE PENETRATION FIRESTOPPING THAT IS PRODUCED AND INSTALLED TO RESIST SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF CONSTRUCTION PENETRATED.	D 7533 Midv dweld
ER FOR A	3. PENETRATION FIRESTOPPING SYSTEMS SHALL BE COMPATIBLE WITH ONE ANOTHER, WITH THE SUBSTRATES FORMING OPENINGS, AND WITH PENETRATING ITEMS IF ANY.	
	4. PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS: PROVIDE PENETRATION FIRESTOPPING WITH RATINGS DETERMINED PER ASTM E 814 OR UL 1479, BASED ON TESTING AT A POSITIVE PRESSURE DIFFERENTIAL OF 0.01-INCH WG	
SSARY.	 5. PENETRATION FIRESTOPPING PRODUCTS SHALL BEAR UL, ETL OR FM GLOBAL CLASSIFICATION MARKING OF QUALIFIED TESTING AND INSPECTING AGENCY 	
	 DO NOT INSTALL PENETRATION FIRESTOPPING WHEN AMBIENT OR SUBSTRATE TEMPERATURES ARE OUTSIDE LIMITS PERMITTED BY PENETRATION FIRESTOPPING MANUFACTURERS OR WHEN SUBSTRATES ARE WET BECAUSE OF RAIN, FROST, CONDENSATION, OR OTHER CAUSES. 	THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS
	 COORDINATE CONSTRUCTION OF OPENINGS AND PENETRATING ITEMS TO ENSURE THAT PENETRATION FIRESTOPPING IS INSTALLED ACCORDING TO SPECIFIED REQUIREMENTS. 	THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH
	8. COORDINATE SIZING OF SLEEVES, OPENINGS, CORE-DRILLED HOLES, OR CUT OPENINGS TO ACCOMMODATE PENETRATION FIRESTOPPING.	ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS.
	9. INSTALL PENETRATION FIRESTOPPING TO COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND PUBLISHED DRAWINGS FOR PRODUCTS AND APPLICATIONS INDICATED.	CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.
	10. INSTALL FORMING MATERIALS AND OTHER ACCESSORIES OF TYPES REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN THE POSITION NEEDED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS REQUIRED TO ACHIEVE FIRE RATINGS INDICATED.	consultant:
	 11. IDENTIFY PENETRATION FIRESTOPPING WITH PREPRINTED METAL OR PLASTIC LABELS. ATTACH LABELS PERMANENTLY TO SURFACES ADJACENT TO AND WITHIN 6 INCHES OF FIRESTOPPING EDGE SO LABELS WILL BE VISIBLE TO ANYONE SEEKING TO REMOVE PENETRATING ITEMS OR FIRESTOPPING. 	ROTESSTON ROTESSTON W NO. 9520491 BENJAMIN J. SCHLUP
STEM F	REQUIREMENTS (NFPA-13)	AT TE OF OTAT
	ENGINEER, DESIGN, BID AND INSTALL A COMPLETE AND OPERATIONAL FIRE PROTECTION	
ELE LINK, FULLY SPACES NOT	D. EXPOSED HEADS IN SOLID CEILINGS: SEMI-RECESSED TYPE WITH SHALLOW	project:
LE LINK, FULLY SUILDING SPACES NCE CANOPIES AND	FRICTION ADJUSTABLE ESCUTCHEON WITH SATIN CHROME-PLATED FINISH. E. EXPOSED HEADS IN FINISHED METAL CEILING AREAS: SEMI-RECESSED TYPE WITH SATIN BRASS-PLATED ESCUTCHEON CUP, OF COLOR MATCH METAL CEILING.	Tenant Finish for New
	F. CONCEALED HEADS AND THOSE AREAS WITHOUT CEILINGS: UPRIGHT OR PENDANT TYPE WITH ROUGH BRASS FINISH.	Brighton
AS WELL AS	G. SPRINKLER HEADS IN ALL AREAS SHALL OPEN AT 160°-165°F, EXCEPT THAT HEADS IN BAKERY, DELI, ELECTRICAL TRANSFORMER ROOMS, AND PHONE/EMS ROOMS SHALL BE RATED AT 212°F.	Campus
TION OF NG JURISDICTION ROVAL/PLANCHECK	H. HEADS IN FREEZER/COOLER BOXES SHALL BE DRY PENDANT TYPE, AND SHALL BE OF COLOR TO MATCH CEILING.	4905, 4911, 4915, 4925, 4931, & 4953
A:	I. PENDANT HEADS ON DRY SPRINKLER SYSTEM SHALL BE DRY PENDANT TYPE AND SHALL BE OF COLOR TO MATCH CEILING.	Salt Lake County,
ROUP 1 IN THE NFPA 13. TION	J. LEGEND: 	Utah
	17. RECORD DESIGN DRAWINGS SHOWING ALL EQUIPMENT, COMPONENTS, PIPING AND CONTROLS SHALL BE PREPARED TO THE SAME SCALE AS THESE DRAWINGS. DRAWINGS SHALL BE ON MYLAR AND BE DRAWN IN AUTOCAD. DISK COPIES SHALL BE PROVIDED TO THE OWNER AND ARCHITECT/ENGINEER	February 24, 2017
ILDING ELEMENTS. SPRINKLER HEAD	 DESIGN FOR SEISMIC DESIGN CATEGORY AND SEISMIC USE GROUP, IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE IBC, UBC, ASHRAE, AND SMACNA. 	PERMIT SET-December 28, 2016
_ DETAILS MAY OR DING. _ DRAWINGS AND	19. CONTRACTOR SHALL LOCATE P.I.V., RISERS, INCOMING SERVICE, ZONE VALVES AND FEED AND BRANCH MAINS IN LOCATIONS SHOWN ON THESE DRAWINGS.	ADDENDUM #1—January 04, 2017 3 ADDENDUM #3—January 11, 2017 4 ADDENDUM #4—January 17 2017
CAPACITIES AND L BE ADHERED TO. IN ALL SPRINKLER THE RISER CHECK	20. THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR FIRE PROTECTION ITEMS SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL, AND ELECTRICAL DRAWINGS.	ADDENDUM #5-January 20, 2017 7 ADDENDUM #7-February 24, 2017
ESSARY TO VENT E SEPARABLE	21. THE FIRE PROTECTION CONTRACTOR DOES NOT HAVE PRIORITY ON PIPE ROUTING. ALL PIPING TO BE FULLY COORDINATED WITH ALL HVAC, PLUMBING, ELECTRICAL, AND ARCHITECTURAL REQUIREMENTS AND TRADES. RESOLVE POTENTIAL CONFLICTS BEFORE PROCEEDING WITH INSTALLATION. IN ALL CASES, GRADED	data project no: drawn by:
FLUSH THE PIPING	SECOND PRIORITY.	checked by:
CTOR SHALL STALLATION.	22. UPON COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH. MAKE ALL REQUIRED PATCHING AND REPAIRS OF OTHER TRADES' WORK DAMAGED BY THIS CONTRACTOR, AND LEAVE THE PREMISES IN A CLEAN, ORDERLY CONDITION.	PLUMBING
JSE SPACES,	23. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE FIRE PROTECTION SYSTEM FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.	SPECIFICATIONS
SHALL BE QUICK IONS SHALL BE	24. ALL ALLOWABLE SPRINKLER SYSTEM COMPONENTS SHALL BE PRIMED AND PAINTED RED, SYSTEM COMPONENTS WHICH MAY BE INACCESSIBLE AFTER INSTALLATION SHALL BE PAINTED BEFORE INSTALLATION.	
OVED FOR REQUIRED. ECE TYPE	25. IN AREAS WITH LAY-IN CEILINGS. LOCATE HEADS IN THE CENTER OF THE CEILING TILE. PROVIDE ALL NECESSARY ELBOWS IN BRANCH LINES, TO ACHIEVE THIS.	P02
I SATIN ARE ADJACENT TO TENDED PENDENT ON WITH SATIN DENT HEAD USE		BUILDING 'F'

								Donald L. Welch Architect 7533 Sandy Land Lane Midvale, Utah 84047 801.548-6391 Amelch5977@msn.com
	PLL		RE SC			000	RDINATE MOUNTING HEIGHTS WITH ARCH. PLANS)	
SYMBOL	FIXTURE	MANUFACTURER					ACCESSORIES AND REMARKS	
FD-1	FLOOR DRAINS	SEE P02	-	-	2" OR	1-1/2" OR	REFERENCE SHEET P02. FLOOR DRAINS IN FINISHED SPACES TO BE <u>FD-1</u> (2"). ALL WATER ENTRY DRAINS TO BE <u>FD-2</u> (4").	
FIRE & DOI DOUBLE	MESTIC WATER ENTRIES E CHECK & BACKFLOW DEVICES	SEE P02 (SPEC SECTION 221316)	SEE REMARKS	-	4" -	-	REFERENCE SHEET P02. MAKE/MODELS FOR FIRE/WATER ENTRY BACKFLOW PREVENTER AND DOUBLE CHECK DETECTOR ASSEMBLIES INDICATED. 4" FIRE ENTRY LINE WHERE INDICATED. BUILDINGS C & D TO INCORPORATE A 1-1/2" WATER SERVICE. BUILDINGS A, B, E, F TO HAVE 2" DOMESTIC WATER SERVICE. LOCATE FIRE CONTROL PANEL AT EACH FIRE ENTRY. ELECTRICAL: PROVIDE LINE VOLTAGE POWER (115V CIRCUITS) TO FIRE ENTRY FLOW SWITCH & AIR COMPRESSOR	
SH-1	SHOWER (ADA) (FLOOR MOUNTED)	SEE ARCHITECTURAL	1/2"	1/2"	2"	1-1/2"	REFERENCE ARCHITECTURAL SHEET A6.1A. SPECIFICATIONS FOR SHOWER INSERT, DRAIN, SHOWERHEAD, VALVES, & ASSOCIATED ACCESSORIES ARE INDICATED.	THE DESIGNS SHOWN AND DESCRIBED I NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS
GWH-1	GAS WATER HEATER (FLOOR MOUNTED)	BRADFORD WHITE EF-100T-300E-3N(A)	1-1/2"	1-1/2"	-	-	COMMERCIAL ULTRA HIGH EFFICIENCY GAS WATER HEATER. 92% THERMAL EFFICIENCY. DIRECT SPARK IGNITION. 300 MBH INPUT, 3/4" GAS CONNECTION, 100 GALLON CAPACITY, 335 GPH RECOVERY @ 100°F, DISCHARGE T&P VALVE INTO MOP SINK OR FLOOR DRAIN. PROVIDE 4.4 GALLON EXPANSION TANK (AMTROL EX-30 OR EQUAL). PROVIDE SEISMIC WATER HEATER STRAPS. DIMENSIONS: 77-5/8" H X 28-1/4" DIA 900 LB SHIPPING WEIGHT. PROVIDE 4" (PVC, CPVC, OR ABS) VERTICAL VENTING. TERMINATE THROUGH ROOF WITH CONCENTRIC VENT KIT PER MANUFACTURER'S RECOMMENDATIONS. ELECTRICAL: 115V AC REQUIRED.	THEREOF, ARE PROPRIETARY & CAN NO COPIED, DUPLICATED, OR COMMERCIALL' EXPLOITED IN WHOLE OR IN PART WITH THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CO
GWH-2	GAS WATER HEATER (FLOOR MOUNTED)	BRADFORD WHITE EF-100T-250E-3N(A)	1-1/2"	1-1/2"	-	-	COMMERCIAL ULTRA HIGH EFFICIENCY GAS WATER HEATER. 97% THERMAL EFFICIENCY. DIRECT SPARK IGNITION. 250 MBH INPUT, 3/4" GAS CONNECTION, 100 GALLON CAPACITY, 294 GPH RECOVERY @ 100°F, DISCHARGE T&P VALVE INTO MOP SINK OR FLOOR DRAIN. PROVIDE 4.4 GALLON EXPANSION TANK (AMTROL EX-30 OR EQUAL). PROVIDE SEISMIC WATER HEATER STRAPS. DIMENSIONS: 77-5/8" H X 28-1/4" DIA 900 LB SHIPPING WEIGHT. PROVIDE 4" (PVC, CPVC, OR ABS) VERTICAL VENTING. TERMINATE THROUGH ROOF WITH CONCENTRIC VENT KIT PER MANUFACTURER'S RECOMMENDATIONS. ELECTRICAL: 115V AC REQUIRED.	CONSULTANTS, CONTRACTORS, GOVERNI AGENCIES, VENDORS, AND OFFICE PERS ONLY IN ACCORDANCE WITH THIS NOTIO
GWH-3	GAS WATER HEATER (FLOOR MOUNTED)	BRADFORD WHITE LG2PDV50H603N	3/4"	3/4"	-	-	LIGHT DUTY COMMERCIAL POWER DIRECT VENT GAS WATER HEATER. 60 MBH INPUT, 1/2" GAS CONNECTION, 48 GALLON CAPACITY, 58 GPH RECOVERY @ 100°F, DISCHARGE T&P VALVE INTO MOP SINK OR FLOOR DRAIN. PROVIDE 2.1 GALLON EXPANSION TANK (WATTS PLT-5 OR EQUAL). PROVIDE SEISMIC WATER HEATER STRAPS. DIMENSIONS: 67" H X 22" DIA 205 LB SHIPPING WEIGHT. PROVIDE 3" (PVC, CPVC, OR ABS) VERTICAL VENTING. TERMINATE THROUGH ROOF WITH CONCENTRIC VENT KIT PER MANUFACTURER'S RECOMMENDATIONS. <u>ELECTRICAL:</u> 110 VAC REQUIRED FOR POWER VENTING (3.1 AMPERES)	consultant:
GWH-4	GAS WATER HEATER (FLOOR MOUNTED)	BRADFORD WHITE EF-60T-199E-3N(A)	1-1/2"	1-1/2"	-	-	COMMERCIAL ULTRA HIGH EFFICIENCY GAS WATER HEATER. 92% THERMAL EFFICIENCY. DIRECT SPARK IGNITION. 199 MBH INPUT, 3/4" GAS CONNECTION, 60 GALLON CAPACITY, 223 GPH RECOVERY @ 100°F, DISCHARGE T&P VALVE INTO MOP SINK OR FLOOR DRAIN. PROVIDE 4.4 GALLON EXPANSION TANK (AMTROL EX-30 OR EQUAL). PROVIDE SEISMIC WATER HEATER STRAPS. DIMENSIONS: 57" H X 28-1/4" DIA 570 LB SHIPPING WEIGHT. PROVIDE 3" (PVC, CPVC, OR ABS) VERTICAL VENTING. TERMINATE THROUGH ROOF WITH CONCENTRIC VENT KIT PER MANUFACTURER'S RECOMMENDATIONS. <u>ELECTRICAL:</u> 115V AC REQUIRED.	BENJAMIN J. SCHLUP
HWCP-1	HOT WATER CIRCULATION PUMP	GRUNDFOS UP10-16BN5/TLC	c -	1/2"	-	-	RECIRCULATION PUMP WITH MANUAL TIMER TO ALLOW FOR OPERATION DURING BUSINESS HOURS. INTEGRAL CHECK VALVE. ELECTRICAL: 115V PLUG IN TYPE. (6 FT LINE CORD)	project:
HWCP-2	HOT WATER CIRCULATION PUMP	GRUNDFOS UP25-64SF	-	1/2"	-	-	RECIRCULATION PUMP. INTEGRAL CHECK VALVE. 5 GPM @ 15 FT HEAD, INTEGRAL CHECK VALVE. ELECTRICAL: 115V PLUG IN TYPE. (6 FT LINE CORD) 1/12 HP, 1.7 AMPS	
MSB-1	MOP SINK BASIN	FLORESTONE MSR-2424	3/4"	3/4"	3"	1-1/2"	MOLDED MOP RECEPTOR, 24X24, 10" DEPTH, 18 GAUGE SS DRAIN GRID (#430), KOHLER K-8928, SERVICE SINK FAUCET, 3" THREADED THREADED SPOUT FOR HOSE CONNECTION, RUBBER HOSE WITH WALL	for New
FS-1	FLOOR SINK	ZURN FD2375 (OR APPROVED EQUAL)	-	-	3"	1-1/2"	ENAMELED CAST IRON, ACID RESISTANT, DOME STRAINER, FULL GRATE	Brighton
WM-1	WATER METER (SUB-METERING)	BADGER RECORDALL MODEL M120 & M170	-	1-1/2"	-	-	LEAD FREE BRONZE ALLOW DISC METER (MATCH BUILDING WATER ENTRY SIZE 1-1/2" OR 2"), COMPLIES WITH AWWA STANDARD C700, 150 PSI MAX OPERATING PRESSURE.	Recovery
BFP-1	BACKFLOW PREVENTER	WATTS MODEL SD-2 (OR APPROVED EQUAL)	1/2"	-	-	-	BACKFLOW PREVENTER FOR CARBONATED BEVERAGE MACHINES. DUAL CHECK DESIGN FOR PROTECTION OF WATER SUPPLY FROM CARBON DIOXIDE GAS AND CARBONATED WATER. ANSI/NSF STD 18 CERTIFIED, ASSE 1032 APPROVED DUAL CHECK VALVE, 316 STAINLESS STEEL BODY. MAX PRESSURE: 200 PSI, MAX TEMP: 110°F. PROVIDE RECOMMENDED STRAINER.	4905, 4911, 4915,
GD-1	FOOD WASTE DISPOSER	INSINKERATOR EVOLUTION	1 -	-	1-1/2"	-	ANTI-VIBRATION MOUNT, 34.6 OZ. CAPACITY, 12-1/4" HEIGHT. <u>ELECTRICAL</u> : 120 V, 3/4 HP, 8.1 AMPS	4925, 4931, & 495 South 900 East
KS-1	KITCHEN SINK (ADA)		1/2"	1/2"	1-1/2"	1-1/2"	33X22X6 DUAL BOWL TOP-MOUNT ADA SINK, 4 HOLE, 18 GAUGE SS, 4" FAUCET CENTERS, 18 GAUGE SS, FAUCET: PULL-OUT SPRAY, 1.8 GPM LEVER HANDLES (ADA), 7-3/4" SPOLIT REACH, 4 HOLES	Salt Lake Coun
UR-1	URINAL	SLOAN SU-1006		 _	1 1/0"	1 4 /0"	TOP SPUD WALL HUNG, STANDARD WASHDOWN URINAL, VITREOUS CHINA	
UR-2	(ADA)	ROYAL 181			1-1/2	1-1/2	1.5 GPF MANUAL FLUSHOMETER WITH WATER HAMMER ARRESTOR. 7	date Eebrugry 24
WC-1 WC-2	WATER CLOSET, FLOOR MOUNT (ADA)	SLOAN WETS-2450.1301 & ROYAL 113-1.28	1-1/2"		4"	2"	VITREOUS CHINA, ELONGATED BOWL, 1-1/2" TOP SPUD, COMMERCIAL TOILET SEAT, & BOLT CAP ACCESSORY	revisions
L-1	LAVATORY (ADA) FAUCET:	SLOAN SS-3001 & KOHLER K-16027-4	1/2"	1/2"	1-1/2"	1-1/2"	19.5"X16.5" VITREOUS CHINA UNDERMOUNTED WITH OVERFLOW. SINGLE HOLE BATHROOM FAUCET (ADA) LESS POP-UP TAIL PIECE, 1.2 GPM, 4-3/8" REACH. PROVIDE BDT VARIATION BELOW DECK THERMOSTATIC MIXING VALVE (SET WATER TEMP TO 110°F) PROVIDE UNDERCOUNTER PIPING INSULATION KIT.	PERMIT SET-December 28,
L-2	LAVATORY (ADA) FAUCET:	SLOAN SS-3101 & KOHLER K-16027-4	1/2"	1/2"	2"	1-1/2"	20 3/4"X18 1/4" VITREOUS CHINA WALL MOUNTED LAVATORY, SINGLE HOLE. SINGLE HOLE BATHROOM FAUCET (ADA) LESS POP-UP TAIL PIECE, 1.2 GPM, 4-3/8" REACH. PROVIDE BDT VARIATION BELOW	ADDENDUM #3—January 11, 4 ADDENDUM #4—January 17, 5 ADDENDUM #5—January 20
S-1	SINK FAUCET:	KOHLER VAULT K-5286 UNDER-MOUNT	1/2"	1/2"	1-1/2"	1-1/2"	24"X18-1/4" 16-GAUGE STAINLESS STEEL, SINGLE SQUARED BOWL, 9-INCH DEPTH FAUCET: KOHLER CORALAIS KITCHEN SINK FAUCET MODEL K-15888-K WRISTBLADE LEVER HANDLED FAUCET (ADA), 9"	ADDENDUM#7-February 24, 1
S-2	SINK (ADA)	KITCHEN SINK KOHLER VAULT K-3349-2 TOP MOUNT	1/2"	1/2"	1-1/2"	1-1/2"	GOUSEINECK SWING SPOUL 1.8 GPM 15"X15" 19-GAUGE STAINLESS STEEL, SINGLE BOWL, 2 FAUCET HOLES, 7-9/16-INCH DEPTH FAUCET: KOHLER CORALAIS KITCHEN SINK FAUCET MODEL K-15888-K WRISTBLADE LEVER HANDLED FAUCET (ADA). 9"	data project no:
\sim		SINK					GOOSENECK SWING SPOUT. 1.8 GPM	drawn by: checked by:
DF-1 NOTES: 1. ALL FIZ 2. PROVI	DRINKING FOUTAIN	ELKAY ECDFPW314C				1-1/2"	ADA HEIGHT DRINKING FOUNTAIN, WALL MOUNT, FULLY EXPOSED. 304 STAINLESS STEEL WITH SATIN FINISH.	title PLUMBING SCHEDULES &
								DETAILS sheet

P11

BUILDING 'F'

sheet

P12

BUILDING 'F'

M1 LOCATION OF NEW ROOFTOP UNIT. COORDINATION FINAL LOCATION WITH EXISTING STRUCTURE. PROVIDE FLEXIBLE CONNECTION ON SUPPLY AND RETURN DUCTWORK TO MINIMIZE VIBRATION. PROVIDE EQUIPMENT CURB WITH RTU. M2 M2 M2 LOCATION OF ROOF ACCESS HATCH. REFERENCE ARCHITECTURAL PLANS FOR INSTALLATION DETAILS AND DIMENSIONS. PLUMBING PLUMBING P1 ROUTE NEW GAS LINE TO UNDERSIDE OF ROOFTOP UNIT. PROVIDE GAS PRESSURE REGULATOR AND ISOLATION VALVE PER MANUFACTURER'S RECOMMENDATIONS.	THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, SRAPH CAENERSTATION & MODELS HEREOF, ARE PROPRIETARY & CAN TOT BE COPIED, DUPLICATED, OR COMMERCIALLY MICH AND EXPRESS WRITTEN BERMISSION FROM DANALD L. WEICH 10001 248-6391 CAMELCH 2548-6391 CAMELCH 2548-6391
(M2) LOCATION OF ROOF ACCESS HATCH. REFERENCE ARCHITECTURAL PLANS FOR INSTALLATION DETAILS AND DIMENSIONS. PLUMBING PLUMBING (P1) ROUTE NEW GAS LINE TO UNDERSIDE OF ROOFTOP UNIT. PROVIDE GAS PRESSURE REGULATOR AND ISOLATION VALVE PER MANUFACTURER'S RECOMMENDATIONS.	THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, SRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH
PLUMBING P1 ROUTE NEW GAS LINE TO UNDERSIDE OF ROOFTOP UNIT. PROVIDE GAS PRESSURE REGULATOR AND ISOLATION VALVE PER MANUFACTURER'S RECOMMENDATIONS.	THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH
GAS PRESSURE REGULATOR AND ISOLATION VALVE PER MANUFACTURER'S RECOMMENDATIONS.	THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH
	ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.
GENERAL NOTES	consultant:
 PROVIDE NECESSARY EQUIPMENT CURBS/PLATFORMS FOR ALL EXTERIOR MECHANICAL EQUIPMENT. EXISTING PRIMARY AND OVERFLOW ROOF DRAINS TO REMAIN. COORDINATE LOCATIONS OF ROOFTOP UNITS ACCORDINGLY. REPLACE DAMAGED ROOF DRAINS AS REQUIRED. PROVIDE NECESSARY CLEARANCES TO ALLOW FOR SERVICE TO ALL ROOFTOP EQUIPMENT. COORDINATE RTU LOCATIONS WITH ROOF ACCESS HATCHES. ALL GAS PIPING SIZED PER TABLE 402.4(2) 2015 IFGC. GAS PRESSURE DOWNSTREAM OF METER IS LESS THAN 2 PSI. 	project:
SEISTING VENT-THRU-ROOF LOCATIONS TO BE REUSED WHERE POSSIBLE. PROVIDE NEW VERTICAL VENT EXTENSIONS AS REQUIRED.	Tenant Finish for New Brighton Recovery Campus 4905, 4911, 4915, 4925, 4931, & 4953 South 900 East Salt Lake County, Utah date February 24, 2017 revisions PERMIT SET-December 28, 2016 ADDENDUM #1-January 04, 2017 ADDENDUM #3-January 11, 2017 ADDENDUM #3-January 11, 2017 ADDENDUM #3-January 11, 2017 ADDENDUM #3-January 11, 2017 ADDENDUM #3-January 12, 2017 data project no: data project no: data data project no: data data data data data data data dat

MECHANICAL PLAN-BUILDING 'F' SCALE: 1/4" = 1'-0"

	KEYE D NOTE S			e c
M1	INSTALL EXHAUST FAN AT THIS LOCATION. CONTINUE EXHAUST DUCT TO TERMINATE AT UNDERSIDE OF BUILDING OVERHANG AS INDICATED. COORDINATE LOCATION WITH OVERHEAD PLUMBING		Welch	tect and Lan th 8404 6391 msn.con
M2	SEE ROOF PLAN FOR CONTINUATION OF SUPPLY AND RETURN AIR DUCTWORK.		ıld L.	Chi ndy L 1. Uta 977@
M3	LOCATION OF RECESSED DRYER VENT BOX. CONTINUE 4"Ø DRYER DUCT TO TERMINATE AT UNDERSIDE OF BUILDING OVERHANG AS INDICATED.		Dona	AI 533 Sar 1idvale ⁸⁰ velch5
M4	RE-CIRCULATING KITCHEN HOOD.			$d_1 \nabla_2$
(M5)	PROVIDE TERMINATION KIT FOR DRYER EXHAUST AT THIS LOCATION.			
< <u>M6</u> >	LOCATION FOR DIGITAL THERMOSTAT WITHIN LOCKING ENCLOSURE.			
(M7)	ACCESS PANEL TO ALLOW FOR ADJUSTMENT TO ABOVE CEILING BALANCING DAMPER.			
(M8)	LOCATE OUTDOOR CONDENSING UNIT AS REQUIRED. PROVIDE CONCRETE EQUIPMENT PAD AS NECESSARY. SEE EQUIPMENT SCHEDULE FOR NECESSARY ACCESSORIES. CONCEAL ALL REFRIGERANT PIPING.			
			The designs s Ncluding All	SHOWN AND DESCRIBED HEREIN TECHNICAL DRAWINGS,
			GRAPHIC REPR THEREOF, ARE COPIED, DUPLIC	ESENTATION & MODELS PROPRIETARY & CAN NOT BE CATED, OR COMMERCIALLY
	GENER a l Note s		EXPLOITED IN T THE SOLE AND PERMISSION FR ARCHITECT	WHOLE OR IN PART WITHOUT EXPRESS WRITTEN OM DONALD L. WELCH
1			THESE DRAWING	gs are available for And evaluation by clients
1.	& DIFFUSERS CONNECTED TO A ROOFTOP UNIT. ALLOW FOR ADJUSTMENT BY REMOVAL OF EXHAUST GRILLES OR BY PROVIDING ACCESS PANELS. (TYPICAL)		CONSULTANTS, AGENCIES, VEN ONLY IN ACCOI	CONTRACTORS, GOVERNMENT DORS, AND OFFICE PERSONNEL RDANCE WITH THIS NOTICE.
2.	ROUTE SUPPLY AND RETURN AIR DUCTWORK THROUGH STRUCTURE AS REQUIRED. PROVIDE NECESSARY TRANSITIONS TO ALLOW FOR CLEAN PATH THE TERMINAL AIR DEVICES.		cons	ultant:
3.	PROVIDE WATER TIGHT SEAL ON ALL DUCTWORK AS IT PENETRATE EXTERIOR ROOFING/WALL ASSEMBLIES.			ROFESS/ON BODESS/ON
4.	PROVIDE (R-12 MIN.) INSULATION ON ALL ABOVE CEILING DUCTWORK ROUTED IN UNCONDITIONED SPACE.		S T E P	03-21-2017 No. 9520491
5.	COORDINATE LOCATIONS OF CEILING GRILLES, REGISTERS, AND DIFFUSERS WITH OVERHEAD PLUMBING PIPING ROUTING.	-	-O O U U U U U U U U	SCHLUP
6.	VENTILATION PROVIDED BY RTU ECONOMIZER SET TO 20%			ATE OF UTAT
7.	ENVIRONMENTAL FANS SHALL NOT TERMINATE CLOSER THAN 3 FEET ADJACENT TO BUILDING OPENINGS.	>		
8.	PROVIDE FIRE-RATED DAMPERS AT ALL CEILING DIFFUSERS AND GRILLES TO MAINTAIN FIRE-RATED ASSEMBLY.	$\left\{ \right.$	proje	ect:
\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Ten	ant Finish
			f	or New
			B	Brighton
			R	ecovery
			4905	ampus 5 4911 4915
			4925,	4931, & 4953
			Salt I	Lake County,
				Utah
			date	
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		^	PERMIT SE	T-December 28, 2016
				#1—January 04, 2017 #3—January 11, 2017
		24 5 7	ADDENDUM ADDENDUM ADDENDUM	#4—January 17, 2017 #5—January 20, 2017 #7—February 24, 2017
			data	
			project no:	
			drawn by: checked by	:
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			MECH	ANICAL
			BUILD	ING 'F'
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 $\wedge \sim$

BUILDING 'F'

PLUMBING PLAN-BUILDING 'F' SCALE: 1/4" = 1'-0"

	KEYE D NOTE S
(P1)	PROVIDE AIR ADMITTANCE VALVE WITHIN CABINETS AT THIS LOCATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
P2	LOCATION OF HOT WATER CIRCULATION PUMP. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE CIRCUIT SETTERS AT FIXTURES AS REQUIRED TO ALLOW FOR HOT WATER CIRCULATION.
P3	NEW WATER HEATER. DIRECT T&P VALVE INTO FLOOR DRAIN. CONTINUE TO NEW FIXTURES AND PROVIDE ISOLATION VALVES AT EACH FIXTURE. PROVIDE GAS LINE ISOLATION VALVE AND SEISMIC BRACING. PROVIDE FLUE AND INTAKE PIPING PER SCHEDULE AND TERMINATE THROUGH ROOF WITH CONCENTRIC VENT KIT.
P4	NEW URINAL. TIE INTO NEW WASTE, VENT, AND DOMESTIC COLD WATER PIPING. SEE PLUMBING SCHEDULE FOR FIXTURE PIPING SIZES.
P5	NEW SINK. TIE INTO NEW WASTE, VENT, AND DOMESTIC HOT/COLD WATER PIPING. SEE PLUMBING SCHEDULE FOR FIXTURE PIPING SIZES.
P6	NEW KITCHEN SINK. TIE INTO NEW WASTE, VENT, AND DOMESTIC HOT/COLD WATER PIPING. SEE PLUMBING SCHEDULE FOR FIXTURE PIPING SIZES. PROVIDE RECESSED WALL BOX FOR REFRIGERATOR COLD WATER CONNECTION. PROVIDE HOT WATER CONNECTION TO SERVE DISHWASHER.
(P7)	LOCATION OF NEW WATER CLOSET. PROVIDE WATER, WASTE, & VENT CONNECTION. SEE PLUMBING SCHEDULE FOR FIXTURE PIPING SIZES.
P8	LOCATION OF NEW LAVATORY. PROVIDE WATER, WASTE, & VENT CONNECTION. SEE PLUMBING SCHEDULE FOR FIXTURE PIPING SIZES.
P9	LOCATION OF NEW FLOOR DRAIN. PROVIDE WASTE & VENT CONNECTION. SEE PLUMBING SCHEDULE FOR FIXTURE PIPING SIZES.
(P10)	SEE CIVIL PLANS FOR CONTINUATION.
(P11)	PROVIDE COLD WATER ENTRY WITH BACKFLOW PREVENTER. REFERENCE SHEET P02 FOR DEVICE MAKE/MODEL.
(P12)	PROVIDE 4" FIRE ENTRY DOUBLE CHECK DETECTOR ASSEMBLY. REFERENCE SHEET P02 FOR DEVICE MAKE/MODEL. PROVIDE POWER (115V) FOR RISER MOUNTED COMPRESSOR & PRESSURE SWITCH. REFERENCE SHEET P13 FOR DETAILS. INSTALL COMPRESSOR ABOVE HEIGHT OF DOOR HEADER TO KEEP OUT OF TRAVEL PATH.
(P13)	PROVIDE 3" VENT THROUGH ROOF.
(P14)	PROVIDE WALL CLEANOUT AT THIS LOCATION.
P15	PROVIDE GAS LINE WITH VENTLESS REGULATOR AND ISOLATION VALVE. CONNECT TO UNDERSIDE OF NEW RTU. NO ROOF PENETRATION REQUIRED WITH RTU MODEL SPECIFIED.
(P16)	PROVIDE GAS LINE TO FLUELESS DECORATIVE FIREPLACE (20 MBH). INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
(P17)	PROVIDE EMERGENCY FUEL SHUTOFF SWITCH NEAR KITCHEN HOOD. SWITCH TO CLOSE GAS LINE SOLENOID VALVE ASSOCIATED WITH ALL GAS-FIRED APPLIANCES IN KITCHEN.
P18	ROUTE 1/2" CW, HW, & HWC LINES BELOW FLOOR TO ISLAND KITCHEN SINK AT THIS LOCATION. EXTEND 1/2" HW LINE TO ADJACENT DISHWASHER.
(P19)	ROUTE CW LINE TO REFRIGERATOR WATER CONNECTION. PROVIDED RECESSED WALL BOX WITH ISOLATION VALVE.
(P20)	PROVIDE PIPING TRANSITIONS UNDER STRUCTURAL BEAM AS REQUIRED. (TYPICAL)
(P21)	ROUTE CW, HW, & HWC LINES TO CLOTHES WASHER WALL BOX. PROVIDE INTEGRAL ISOLATION VALVES AND WATER HAMMER ARRESTOR.
(P22)	ROUTE 1-1/2" CW, 3/4" HW, & 1/2" HWC LINES TO BATHROOM GROUP. PROVIDE HOT AND COLD WATER ISOLATION VALVES AT LAVATORIES.
(P23)	ROUTE 3/4" CW, 3/4" HW, & 1/2" HWC LINES TO MOP SINK/SINK.
(P24)	COMBINE VENT PIPING FROM BATHROOM FIXTURE AND TERMINATE THROUGH ROOF AT THIS LOCATION. MULTIPLE BATHROOMS GROUPS CAN BE GROUPED TO MINIMIZE ROOFING PENETRATIONS IF NEEDED. ALL VENT THROUGH ROOF PENETRATIONS TO BE 3" MINIMUM.
(P25)	CONTINUE WASTE LINE TO ADJACENT FIXTURE GROUPS. REFERENCE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE WASTE LINE SIZES.

GAS PRESSURE: LESS THAN 2 PSI TOTAL DEVELOPED LENGTH = 100 FT CONNECTED LOAD = 724 MBH

Project Building F Brighton Recovery Center

Energy Code:
Location:
Construction Type:
Project Type:
Orientation:
Climate Zone:
Permit Date:
Permit Number:

2015 IECC Salt Lake County, Utah Multi-family Alteration Bldg. faces 0 deg. from North 5 (5999 HDD)

Construction Site: 4963 S 900 E Salt Lake County, Utah Owner/Agent:

Designer/Contractor: Spectrum Engineering Inc. Salt Lake City, Utah

Compliance: Passes using prescriptive requirements for alteration projects

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Ceiling: Flat or Scissor Truss Exemption: Framing cavity filled with insulation					
Wall: Wood Frame, 16in. o.c. Orientation: Unspecified Exemption: Framing cavity filled with insulation					
Window: Metal, Thermal Break, Double Pane Orientation: Unspecified Exemption: Glazing replacement in existing sash or frame.					
Door: Glass Orientation: Unspecified Exemption: Glazing replacement in existing sash or frame.					
Floor: Unheated Slab-On-Grade Insulation depth: 2.0'	280		10.0	0.767	215

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2015 IECC requirements in RES*check* Version 5.5.0 and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Benjamin J. Schlup - Project Engineer	Benjani	~_(/. J	2017-03-06
Name - Title	Signature		Date

TABLE N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT^a

CLIMATE ZONE	FENESTRATION <i>U</i> -FACTOR⁵	SKYLIGHT⁵ <i>U</i> -FACTOR	GLAZED FENESTRATION SHGC ^{b, ®}	CEILING <i>R</i> -VALUE	WOOD FRAME WALL <i>R</i> -VALUE	MASS WALL <i>R</i> -VALUE	FLOOR <i>R</i> -VALUE	BASEMENT [©] WALL <i>R</i> -VALUE	SLAB ^d <i>R</i> -VALUE & DEPTH	CRAWL SPACE° WALL <i>R</i> -VALUE
5 and Marine 4	0.32	0.55	NR	49	20 or 13 + 5 ^h	13/17	30 ^g	15/19	10, 2 ft	15/19

REScheck Software Version 5.5.0 Inspection Checklist

Energy Code: 2015 IECC

Requirements: 94.0% were addressed directly in the REScheck software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Pre-Inspection/Plan Review	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
103.1, 103.2 [PR1] ¹ ©	Construction drawings and documentation demonstrate energy code compliance for the building envelope. Thermal envelope represented on construction documents.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
103.1, 103.2, 403.7 [PR3] ¹	Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the IECC Commercial Provisions.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
302.1, 403.7 [PR2] ²	Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official.	Heating: Btu/hr Cooling: Btu/hr	Heating: Btu/hr Cooling: Btu/hr	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Med

2 Medium Impact (Tier 2) 3

Section # & Req.ID	Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.2 [FO1] ¹	Slab edge insulation R-value.	R Unheated Heated	R Unheated Heated	□Complies □Does Not □Not Observable □Not Applicable	See the Envelope Assemblies table for values.
402.1.2 [FO3] ¹	Slab edge insulation depth/length.	ft	ft	□Complies □Does Not □Not Observable □Not Applicable	See the Envelope Assemblies table for values.
303.2.1 [FO11] ²	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.
403.9 [FO12] ²	Snow- and ice-melting system controls installed.			Complies Does Not Not Observable Not Applicable	Exception: Requirement is not applicable.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2)

(Tier 2) 3 Low Impact (Tier 3)

Section # & Reg.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.3.1, 402.3.3, 402.3.6, 402.5 [FR2] ¹	Glazing U-factor (area-weighted average).	U	U	□Complies □Does Not □Not Observable □Not Applicable	See the Envelope Assemblies table for values.
303.1.3 [FR4] ¹ ③	U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.			□Complies □Does Not □Not Observable □Not Applicable	
402.4.1.1 [FR23] ¹ ③	Air barrier and thermal barrier installed per manufacturer's instructions.			Complies Does Not Not Observable Not Applicable	Requirement will be met.
402.4.3 [FR20] ¹	Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
402.4.5 [FR16] ²	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate \leq 2.0 cfm leakage at 75 Pa.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.
403.2.1 [FR12] ¹	Supply and return ducts in attics insulated $>=$ R-8 where duct is >= 3 inches in diameter and $>=R-6 where < 3 inches. Supply andreturn ducts in other portions ofthe building insulated >= R-6 fordiameter >= 3 inches and R-4.2for < 3 inches in diameter.$			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.3.3.5 [FR15] ³	Building cavities are not used as ducts or plenums.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.4 [FR17] ²	HVAC piping conveying fluids above 105 $^{\circ}$ F or chilled fluids below 55 $^{\circ}$ F are insulated to \geq R- 3.	R	R	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.
403.4.1 [FR24] ¹ ③	Protection of insulation on HVAC piping.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.
403.5.3 [FR18] ² @	Hot water pipes are insulated to ≥R-3.	R	R	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.6 [FR19] ²	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1)

2 Medium Impact (Tier 2)

1 High Impact (Tier 1) 2 Medium Impact (Tier 2)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1 [IN13] ² @	All installed insulation is labeled or the installed R-values provided.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
402.1.1, 402.2.5, 402.2.6 [IN3] ¹	Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies (FR10).	R Wood Mass Steel	R Wood Mass Steel	□Complies □Does Not □Not Observable □Not Applicable	<i>See the Envelope Assemblies table for values.</i>
303.2 [IN4] ¹	Wall insulation is installed per manufacturer's instructions.			□Complies □Does Not □Not Observable □Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.2.1, 402.2.2, 402.2.6 [FI1] ¹	Ceiling insulation R-value.	R Wood Steel	R Wood Steel	□Complies □Does Not □Not Observable □Not Applicable	See the Envelope Assemblies table for values.
303.1.1.1, 303.2 [FI2] ¹	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft².			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
402.2.3 [FI22] ²	Vented attics with air permeable insulation include baffle adjacent to soffit and eave vents that extends over insulation.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
402.2.4 [FI3] ¹	Attic access hatch and door insulation ≥R-value of the adjacent assembly.	R	R	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
402.4.1.2 [FI17] ¹	Blower door test @ 50 Pa. <=5 ach in Climate Zones 1-2, and <=3 ach in Climate Zones 3-8.	ACH 50 =	ACH 50 =	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.2.3 [FI4] ¹	Duct tightness test result of <=4 cfm/100 ft2 across the system or <=3 cfm/100 ft2 without air handler @ 25 Pa. For rough-in tests, verification may need to occur during Framing Inspection.	cfm/100 ft ²	cfm/100 ft ²	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.3.2 [FI27] ¹	Ducts are pressure tested to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure.	cfm/100 ft ²	cfm/100 ft ²	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.3.2.1 [FI24] ¹	Air handler leakage designated by manufacturer at <=2% of design air flow.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.1.1 [FI9] ²	Programmable thermostats installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.1.2 [FI10] ²	Heat pump thermostat installed on heat pumps.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.
403.5.1 [FI11] ²	Circulating service hot water systems have automatic or accessible manual controls.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

1 High Impact (Tier 1)

2 Medium Impact (Tier 2)

Section # & Reg.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.6.1 [FI25] ²	All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.2 [FI26] ²	Hot water boilers supplying heat through one- or two-pipe heating systems have outdoor setback control to lower boiler water temperature based on outdoor temperature.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.
403.5.1.1 [FI28] ²	Heated water circulation systems have a circulation pump. The system return pipe is a dedicated return pipe or a cold water supply pipe. Gravity and thermos- syphon circulation systems are not present. Controls for circulating hot water system pumps start the pump with signal for hot water demand within the occupancy. Controls automatically turn off the pump when water is in circulation loop is at set-point temperature and no demand for hot water exists.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.5.1.2 [FI29] ²	Electric heat trace systems comply with IEEE 515.1 or UL 515. Controls automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.5.2 [FI30] ²	Water distribution systems that have recirculation pumps that pump water from a heated water supply pipe back to the heated water source through a cold water supply pipe have a demand recirculation water system. Pumps have controls that manage operation of the pump and limit the temperature of the water entering the cold water piping to $104^{\circ}F$.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
403.5.4 [FI31] ²	Drain water heat recovery units tested in accordance with CSA B55.1. Potable water-side pressure loss of drain water heat recovery units < 3 psi for individual units connected to one or two showers. Potable water- side pressure loss of drain water heat recovery units < 2 psi for individual units connected to three or more showers.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.
404.1 [FI6] ¹	75% of lamps in permanent fixtures or 75% of permanent fixtures have high efficacy lamps. Does not apply to low-voltage lighting.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
404.1.1 [FI23] ³	Fuel gas lighting systems have no continuous pilot light.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement is not applicable.

1 High Impact (Tier 1)

2 Medium Impact (Tier 2) 3 Lo

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
401.3 [FI7] ²	Compliance certificate posted.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
303.3 [FI18] ³	Manufacturer manuals for mechanical and water heating systems have been provided.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2)

Review Comments #2

BUILDING F RESPONSES

E2. Please address the following.

A. Locations of main disconnect panel.

Project:	Brighton Recovery Campus-Building F	From:
Project No:	20160686	Date:

rom: Jason Worthen Date: March 20, 2017

DISCIPLINES Mechanical Engineering Electrical Engineering Technology Design Acoustical Engineering Lighting Design Theatre Design Fire Protection Engineering Building Commissioning

CENTERS OF

ENGINEERING EXCELLENCE Healthcare Higher Education K-12 Education Government Houses of Worship Special Projects

BUILDING F DRAWINGS EP601 (see attached sheet) 1. Changed all branch circuit panels from main lugs only to main circuit breaker

Response: All branch panels will be changed to have main circuit breakers.

PC2: Sheet EP601:Per NEC 225.32 the main panel in each building is required to

have a disconnecting means located at the point of entrance of the building. It appears that

each of the building panels are provided with main lugs only. Please provide a disconnect

panels.2. Added panel LE2.

EP602 (see attached sheet)

- 1. Added panel AIC ratings to panel schedules.
- 2. Changed branch panels to have main circuit breakers.

for each panel. This comment also applies to sheets EP602 and EP603.

3. Updated panel schedules.

EP603 (see attached sheet)

- 1. Added panel AIC ratings to panel schedules.
- 2. Changed branch panels to have main circuit breakers.
- 3. Updated panel schedules.
- 4. Added panel schedule for panel LE2.

SALT LAKE CITY 324 S. State Street Suite 400 Salt Lake City, UT 84111 phone: 801-328-5151 fax: 801-328-5155

PHOENIX

1501 W. Fountainhead Parkway Suite 340 Tempe, AZ 85282 phone: 480-621-3444 fax: 480-621-3445

www.spectrum-engineers.com 800-678-7077

	SYMBOL LEGEND		SYMBOL LEGE
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A5 E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.		
A5 E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.		TRANSFORMER (ONE-LINE DIAGRAM)
100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.		
(1)	REVISION INDICATOR.		PANELBOARD (ONE-LINE DIAGRAM).
	EQUIPMENT INDICATOR.		
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING.	225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BU SHOWN (ONE-LINE DIAGRAM).
~	BREAK, ROUND.		
WIRING ME	THODS		
\frown	WIRING.		TRANSITION CABINET (ONE-LINE DIAGRAM
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.		CT CABINET PER UTILITY'S REQUIREMEN
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF	└ <u></u>	
	NOTATIONS IDENTIFY PANEL AND CIRCUITS. LETTER AND NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR	••••••	SERVICE ENTRANCE SURGE PROTECTION
A-1,3,5	BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE		METER.
	SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.		DISCONNECT SWITCH, FUSED.
	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = :		DISCONNECT SWITCH, UNFUSED.
	CATV = CABLE TELEVISION NC = NURSE CALL CCTV = CLOSED CIRCUIT P = POWER TELEVISION BC = RIGID CONDUIT	⊠հ	STARTER, COMBINATION WITH DISCONNE
— x —	FA = FIRE ALARM S = SOUND FO = FIBER OPTICS T = TELEPHONE		STARTER OR MOTOR CONTROLLER.
	I = INTERCOM TV = TELEVISION		PANELBOARD CABINET, FLUSH MOUNTED
	WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.		PANELBOARD CABINET, SURFACE MOUNT
+	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.		PANELBOARD CABINET, SURFACE MOUNT
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.		
Q	JUNCTION BOX.	DP#	DIGTRIBUTION FANLE OR GWITCHBOARD.
CC	CABLE TRAY ABOVE ACCESSIBLE CEILING.		LIGHTING RELAY, CONTACTOR PANEL, OF
	LADDER RACK.	75	TRANSFORMER: NUMBER INDICATES KVA
WIRING DE	VICES		MECHANICAL EQUIPMENT CONNECTION.
φ	RECEPTACLE, SINGLE: NEMA 5-20R.	LIGHTING (REFER TO FIXTURE SCHEDULE
₿	RECEPTACLE, DUPLEX: NEMA 5-20R.	(W-3)	
₿ A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.		
₿c	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.	(W-3)	FIXTURE IDENTIFICATION, EMERGENCY W CONNECTED TO GENERATOR AS INDICAT
₿D	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R.		FIXTURE TYPE AS SCHEDULED.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION	↑ NL	EGRESS DIRECTION ARROW.
₽s	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.		L CONTROL
<u>с</u>	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.	*	OCCUPANCY SENSOR, DUAL TECHNOLOG CEILING.
	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.	*	OCCUPANCY SENSOR, DUAL TECHNOLO
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.	⊗	OCCUPANCY SENSOR, DUAL TECHNOLOG
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.	*	VACANCY SENSOR, DUAL TECHNOLOGY.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.	STRUCTUR	RED CABLING
	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.	∇×	TELEPHONE, WALL MOUNTED ("X" INDICA CABLES).
 ∦	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.	₽	TELEPHONE, WALL MOUNTED: PAY PHON
<u> </u>	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.	∇w	TELEPHONE, WALL MOUNTED: WALL PHO
	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH FOUIPMENT PLUG		TWO-WAY EMERGENCY COMMUNICATION
 ∦ □	RECEPTACLE, DRYER: NEMA 14-30R.	▼ ×	OUTLET, DATA COMMUNICATION ("X" INDI CABLES).
₩ R	RECEPTACLE, RANGE: NEMA 10-50R.	7	OUTLET, BUILDING STANDARD COMBINAT
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.		TELEPHONE TERMINAL BOARD, FIRE TRE
þ	SWITCH, DIMMER.		LAN RACK, FLOOR STANDING.
₩ X \$	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).		DATA CABLE, CATEGORY 5 (ONE-LINE DIA
X ≰3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROL FD)		VOICE CABLE, CATEGORY 3 (ONE-LINE DI
Ψ0		(())	DATA CONNECTION: WIRELESS ACCESS
		▲ WAP	DATA CONNECTION: WIRELESS ACCESS
			REQUIRES (2) DATA DROPS PER DEVICE

GEND		SYMBOL LEGEND		SYMBOL LEGEND
	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
N	FIRE ALARI	M	SECURITY	
	FSA	FIRE SYSTEM ANNUNCIATOR.	x	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR
ONE-LINE DIAGRAM).	FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.	ACC	ACCESS CONTROL HEADEND EQUIPMENT.
	FPS	FIRE ALARM NOTIFICATION POWER SUPPLY.	CTR	SECURITY CONTROL PANEL.
vi).	СМ	CONTROL MODULE.	SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
	MM	MONITOR MODULE.	#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE S
	Р	FIRE ALARM MANUAL PULL STATION.	CR	CARD READER.
	5	MAGNETIC DOOR HOLDER.	TV DISTRI	BUTION
	3	DETECTOR, SMOKE.		TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
Y. BUS SIZE AND PHASE AS		DETECTOR, SMOKE, RESIDENTIAL. CONNECTED TO FIRE ALARM	TR	TV DISTRIBUTION CABLE, TRUNK.
			СМВ	COMBINER.
		DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.	DC	DIRECTIONAL COUPLER.
AGRAM).		DETECTOR, HEAT.		
		STROBE.	DA	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
		ALARM, HORN/SPEAKER, WEATHERPROOF.		
EMENTS (ONE-LINE DIAGRAM).		ALARM, HORN/STROBE, ONE ASSEMBLY.		SPLITTER (ONE-LINE DIAGRAM).
		DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED		TV OUTLET.
ECTION (ONE-LINE DIAGRAM).		AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER		SATELLITE ANTENNA.
		DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES		TV ANTENNA (ONE-LINE DIAGRAM).
	K	SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON		TERMINATOR 75 OHM (T)/ DISTRIBUTION)
		THE FIRE SPRINKLER SHOP DRAWINGS.		
		SMOKE DAMPER.		DEFINITIONS
CONNECT SWITCH.				NOTE: ALL DEFINITIONS MAY NOT BE USED.
		FIRE AND SMOKE DAMPER.	INDICATED: T	THE TERM "INDICATED" REFERS TO GRAPHIC REPRESE
	G FSD		NOTES, OR SO	CHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS
NOUNTED, 1 SECTION.			SCHEDULED	", AND "SPECIFIED" ARE USED, IT IS TO HELP THE REA NCE, NO LIMITATION ON LOCATION IS INTENDED.
NOUNTED, 2 SECTION.		I I I I I I I I I I I I I I I I I I I	DIRECTED: T	ERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZ
DARD.	(S) _#	SPEAKER, CEILING MOUNTED.	THE ENGINEE	"APPROVED", "REQUIRED", AND "PERMITTED" MEAN "D R", "REQUESTED BY THE ENGINEER", AND SIMILAR PH
		EQUIPMENT CABINET.	APPROVED:	THE TERM "APPROVED", WHERE USED IN CONJUNCTION ON THE CONTRACTOR'S SUBMITTALS, APPLIC
EL, OR DIMMING ENCLOSURE.		MEDIA CONNECTION PLATE.	REQUESTS, IS STATED IN GE	S LIMITED TO THE ENGINEER'S DUTIES AND RESPONSI ENERAL AND SUPPLEMENTARY CONDITIONS.
ES KVA.			FURNISH: TH	E TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DE
TION.	TVSS	CONDITIONER.	AND SIMILAR	OPERATIONS."
ULE FOR SYMBOLS)	NURSE CAL		INSTALL: THE SITE INCLUDI	E TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS NG THE ACTUAL "UNLOADING, UNPACKING, ASSEMBL
DICATES FIXTURE TYPE AS	0	JUNCTION BOX.	PLACING, AND PROTECTING	CHORING, APPLYING, WORKING TO DIMENSION, FINISF , CLEANING, AND SIMILAR OPERATIONS."
		CORRIDOR LIGHT.	PROVIDE: TH	E TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL OR THE INTENDED USE."
NCY WITH BATTERY PACK, DICATED: (W-3) INDICATES	B	BATHROOM PULL CORD STATION.	INSTALLER: A	AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY E
		DUTY STATION.	SUB-SUBCON	CTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, (TRACTOR, FOR PERFORMANCE OF A PARTICULAR CO UDING INSTALLATION ERECTION APPLICATION AND
		EMERGENCY ASSISTANCE CALL STATION.	OPERATIONS OPERATIONS	. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THEY ARE ENGAGED TO PERFORM.
	Есв	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.	TECHNOLOG	Y SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS U
		PATIENT STATION.	SYSTEMS". T	LLOW VOLTAGE STSTEMS GENERALLY REFERRED TO HESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY S WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS (
NOLOGY, OMNI-DIRECTIONAL,	s	STAFF STATION.	SOUND SYST	EMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTE G SYSTEMS, ETC
NOLOGY, WALL.	NCM	TOUCH SCREEN NURSE CALL MASTER STATION.		
NOLOGY, DIRECTIONAL.	ZLC	ZONE LIGHT CONTROLLER.		
.OGY.	CU	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.		
	CCTV			
NDICATES QUANTITY OF	P_	CCTV CABLE, POWER.		
PHONE.		CCTV CABLE, VIDEO SIGNAL.		
L PHONE.	ССТУ	CCTV HEADEND EQUIPMENT.		
ATION DEVICE PER IBC, WALL	М	CCTV MONITOR.		
(" INDICATES QUANTITY OF		CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.	1	
BINATION TELEPHONE/ DATA	PTZ D	CCTV CAMERA WITH PAN, TILT AND ZOOM.		
E TREATED PLYWOOD PAINTED.				
	360°	PANNING CAMERA TRANSVERSE ANGLE.		
NE DIAGRAM).	L	1	J	
INE DIAGRAM).				
CESS POINT (WAP).				
VICE CESS POINT (WAP).				

		CATION METHODS: AT THE TIME OF RIDDING, RIDDERS SHALL	_	ch .047 .om
CABLE TYPE.	1. CLARIFI FAMILIA ANY QU DISCON DISCRE FUNCTIO ARCHIT ISSUAN WHERE MOST S COSTLY	ICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL RIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. JESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, ITINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, PANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR ON OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO CE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE TRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST ') THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE		Donald L. Weld Architect 533 Sandy Land 1 Midvale, Utah 84 801.548-6391 Iwelch5977®msn.
CHEDULE.	ENFORC 2. OWNER EQUIPM INCORP INSTALL	CED. FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND IENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE ORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE ER AND COSTS FOR RECEIVING. HANDLING. STORAGE. IF		► 4 ʊ
	REQUIR	ED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.		
	B. THE FUF WIL ARI WIT REF MAI	E OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER RNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER LL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS E DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS IF THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR PLACEMENT. THE OWNER WILL ALSO ARRANGE FOR NUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF NUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.		
	C. THE DAT ANI INS ITEI ELE RES	E INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY TES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING D HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE TALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED MS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE EMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A SULT OF HIS OPERATIONS.		HE DESIGNS SHOWN AND DESCRIBED HEREI NCLUDING ALL TECHNICAL DRAWINGS, SRAPHIC REPRESENTATION & MODELS HEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT HE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH ARCHITECT HESE DRAWINGS ARE AVAILABLE FOR
	3. EXPOSE COMMU STRUCT AREAS. REFER CANNO	ED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND INICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND I'URE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH T COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.	0	IMITED REVIEW AND EVALUATION BY CLIENT CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNE DNLY IN ACCORDANCE WITH THIS NOTICE.
	4. SUBMIT BOOKM NAME A INDEX C	TALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, ARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB ND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE OF EQUIPMENT SUBMITTED IN EACH TAB.		consultant:
	5. REFLEC FIXTURI ALL DIS	TED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT ES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER CREPANCIES TO THE ARCHITECT AND ENGINEER.)13(No. 185978
INTATIONS, DR IN THE ED", DER LOCATE	6. ALL WO ELECTR APPROV	RK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL RIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL VAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.	81850	JOHANSEN JOHANSEN
			20	project:
N WITH THE	ELE SHEET NO	CTRICAL SHEET INDEX	#7	for New
TIONS, AND BILITIES AS	EE001	SYMBOL SCHEDULE, SHEET INDEX		Brighton
LIVER TO THE	ES101	ELECTRICAL SITE PLAN		Recovery
ISTALLATION,	EP11F	POWER PLAN - BUILDING 'F'		Campus
AT PROJECT FRECTION	EP401	TYPICAL POWER PLANS	$\exists \forall$	4905, 4911, 4915, 4925,
NG, CURING,	EP501	DETAILS		4931, & 4953 South 900 Fast
COMPLETE	EP502	DETAILS	+	Salt Lake County, Uta
IGAGED BY	EP503	DETAILS		
	EP601	ONE LINE DIAGRAM		date
THE	EP602	PANEL SCHEDULES	\square	January 04, 2017
ED TO	EP603	PANEL SCHEDULES	0	revisions
AS "SPECIAL	EL11F	LIGHTING PLAN - BUILDING 'F'	0	PERMIT SET_December 29 2014
JCH AS /IS, VOICE AND	EL 601			ADDENDUM #2-January 06, 2017
	EV11E			ADDENDUM #3—January 11, 2017 ADDENDUM #4—January 17, 2017
Λ	EY601		õ x	ADDENDUM #5-January 19, 2017
	EV602			ADDENDUM #7-February 24, 201 ADDENDUM #8-March 20 201
$\boxed{3}$				data
	EY603		Ω	project no:
Λ	FA11F	FIRE ALARM PLAN - BUILDING 'F'	O	irawn by: checked by:
	FA601	FIRE ALARM RISER DIAGRAM		title
				SYMBOL SCHEDULE, SHEET INDEX Sheet

BUILDING

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GENERAL SHEET NOTES d Lane 84047 Donald L. Welch Architect andy Landle, Utah 16, Utah 801.548-639 5977@m 7533 Midv ○ SHEET KEYNOTES HE DESIGNS SHOWN AND DESCRIBED HEREI NCLUDING ALL TECHNICAL DRAWINGS, RAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BI EXISTING ROCKY MOUNTAIN TRANSFORMER. COORDINATE WITH ROCKY MOUNTAIN POWER TO DETERMINE IF THE EXISTING TRANSFORMER NEEDS TO BE REPLACED. COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT HE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH ARCHITECT THE EXISTING ELECTRICAL ROOM IS LOCATED IN NORTHEAST CORNER OF BUILDING A. ALL OF THE ELECTRICAL EQUIPMENT IN THIS ROOM IS TO BE DEMOLISHED, INCLUDING THE ELECTRICAL PANEL AND METER CENTER. REMOVE ALL ASSOCIATED WIRING BACK TO THE UTILITY THESE DRAWINGS ARE AVAILABLE FOR IMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL DNLY IN ACCORDANCE WITH THIS NOTICE. TRANSFORMER. \bigcirc \bigcirc consultant: $\overline{\bigcirc}$ \bigcirc \mathbb{M} No. 185978 $\overline{}$ \bigcirc PETER E **\ JOHANSEN** \Box \odot $\overline{}$ \odot 20 project: \sim **Tenant Finish** # for New **Brighton** Recovery \bigcirc Δ Campus 4905, 4911, 4915, 4925, 4931, & 4953 South 900 \triangleleft \square East Salt Lake County, Utah St \Box date January 04, 2017 \bigcirc \bigcirc revisions \mathcal{O} PERMIT SET-December 28, 2016 ADDENDUM #2-January 06, 2017 ADDENDUM #3-January 11, 2017 → ▲ ADDENDUM #4-January 17, 2017 ADDENDUM #5-January 19, 2017 ADDENDUM #7-February 24, 2017 ADDENDUM #8-March 20, 2017 data \mathbb{N} project no: \Box 49 drawn by: checked by: title ELECTRICAL SITE PLAN DING sheet BUIL ES1|01

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	GE	ENERAL SHEET NOTES		ane 47
	1.	ALL BRANCH CIRCUITS FEEDING 15 AMP OR 20 AMP RECEPTACLES SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER (ACFCI) TYPE CIRCUIT BREAKER.)onald L. Welch Architect Sandy Land Lé vale, Utah 840
6	2.	ALL RECEPTACLES SHALL BE TAMPER RESISTANT.		7533 Midv
	\bigcirc	SHEET KEYNOTES		
6	1.	RTU LOCATED ON ROOF. PROVIDE 208/3 DEDICATD CIRCUIT FOR EACH RTU AND A 120/1 CIRCUIT FOR ALL CONVENIENCE OUTLETS INTEGRAL WITH RTU.		
	2.	PROVIDE DEDICATED 120V SWITCHED CIRCUIT FOR GARBAGE DISPOSAL.		THE DESIGNS SHOWN AND DES(NCLUDING ALL TECHNICAL DRA RAPHIC REPRESENTATION & M HEREOF, ARE PROPRIETARY &
	3.	PROVIDE DEDICATED 120V CIRCUIT FOR DISHWASHER.		Copied, Duplicated, or comm Exploited in whole or in pa The sole and express writt Permission from donald L. V Architect
	4.	PROVIDE DEDICATED 120V CIRCUIT AND A 30/3P DISCONNECT FOR FIRE ENTRY FLOW SWITCH AND AIR COMPRESSOR.		HESE DRAWINGS ARE AVAILAB IMITED REVIEW AND EVALUATIO CONSULTANTS, CONTRACTORS, AGENCIES, VENDORS, AND OFFI DNLY IN ACCORDANCE WITH TH
	5.	PROVIDE A 20A/1P SWITCH TO CONTROL CUSTODIAN EXHAUST FAN.	000	consultant:
6	6.	PROVIDE 120V CIRCUIT AS SHOWN FOR EXHAUST HOOD.	130(PROFESSION No. 18597
I				JOHANSEN

801. 548-6391 elch5977@msn.

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GENERAL SHEET NOTES Lane 4047 Donald L. Welch ALL BRANCH CIRCUITS FEEDING 15 AMP Architect 1 ά OR 20 AMP RECEPTACLES SHALL BE ly Lan Utah 801.548-65 th5977@rr PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER (ACFCI) TYPE CIRCUIT San. ale, BREAKER. 7533 Midv ALL RECEPTACLES SHALL BE TAMPER 2. RESISTANT. ⊖SHEET KEYNOTES PROVIDE A 20A/1P SWITCH TO CONTROL 1 BATHROOM EXHAUST FAN. HE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DESCRIBED HERE NCLUDING ALL TECHNICAL DRAWINGS, SRAPHIC REPRESENTATION & MODELS HEREOF, ARE PROPRIETARY & CAN NOT B COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR JMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL DNLY IN ACCORDANCE WITH THIS NOTICE. 0000 consultant: \mathbb{N} 501 No. 185978 PETER H **\ JOHANSEN** 208185 project: #2 **Tenant Finish** for New C F C **Brighton** Recovery ĀR Campus 4905, 4911, 4915, 4925, 4931, & 4953 South 900 \square East Salt Lake County, Utah S T \Box date January 04, 2017 \bigcirc \bigcirc revisions \bigcirc PERMIT SET-December 28, 2016 ADDENDUM #2-January 06, 2017 ADDENDUM #3-January 11, 201 -ADDENDUM #4—January 17, 201 ADDENDUM #5-January 19, 201 ADDENDUM #7-February 24, 2017 ()ADDENDUM #8-March 20, 2017 data M \Box project no: 49 drawn by: checked by: title • TYPICAL POWER Ĺ PLANS DING sheet BUIL EP4|01

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			EUH-3	SYM	AMP	CONDUIT SIZE	QTY	SIZE	G	IG/HH	SBJ	NOTES		Dor A Nalse Ich.
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	3 TEMPERAT	TURE		16	85	1.25	2	3	8	3	2	2		NCLUDING ALL TECHNICAL DRAWINGS, PRAPHIC REPRESENTATION & MODELS
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DISTRIBUTION PANELBOARD "MDP")	$\triangle \{ \text{PANEL "LB"} \} \triangle$	lch Lane 4047 .com
VOLTS/PHASE/WIRE:MAIN SIZE & TYPE:LOCATION:AIC RATING:NOTES:120/208 V, 3 PH 4 WIRE1000 AMP MAIN LUGSBUILDING A30,000 AICContent	VOLTS/PHASE/WIRE:PANEL SIZE & TYPE:MAIN SIZE & TYPE:LOCATION:AIC RATING:NOTES:120/208 V, 3 PH 4 WIRE22" W x 6" D, BOLT-ON225 AMP MAIN CB22,000 AIC20,000 AIC	. We and We an scand (391 (msn)
ACCESSORIES: IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BARCKT OCP $LOAD (kVA)$ PANEL / EQUIPMENTLCLPHASE LOADLCLPANEL / EQUIPMENT $LOAD (kVA)$ OCP CKTNOAMPPOLELTGCOPWRNOkVAABCkVALTGCOPWRAMPPOLENO120031.67.717.3LA27.059.633.7LD2.910.919.2200321.57.918.528.254.427.3-2.910.113.6	ACCESSORIES:PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR, SUBFED LUGSCKT OCP $LOAD (kVA)$ DESCRIPTION LCL $PHASE LOAD$ LCL DESCRIPTION $LOAD (kVA)$ OCP CKT NOAMPPOLELTGCOPWR KVA ABC kVA LCL DESCRIPTION LTG OC PWRAMPPOLENO12011.3LIGHTING1.62.61.3DRYER LAUNDRY B1251.3302232011.3LIGHTING1.62.61.34	Donald L Archi 3 Sandy L Ivale, Ut
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- - - 0.0 0.0 0.0 - - - - - - - 0.0 0.0 0.0 - - - - - - - 0.0 0.0 0.0 - - - - - - - 0.0 0.0 166 163 166 - -	21 20 1 0.5 1.3 0.8 CO FAMILY RM B114 0.5 1.3 0.8 CO FAMILY STOR. B128,B121 0.8 20 1 22 23 20 1 0.8 CO DINING RM B113 0.8 3.2 2.4 RANGE B129 2.4 50 2 24 25 20 1 1.0 REERIGERATOR B115 1.0 3.4 2.4 <td></td>	
CONNECTED AMPS PER PHASE 1381 1360 1383 CONNECTED AVERAGE AMPS PER PHASE 1375 NEC DIVERSIFIED LOAD CALCULATIONS	20 20 21 10 10 10 10 10 21 10 21 <th21< th=""> 21 21 <th2< td=""><td></td></th2<></th21<>	
LIGHTING 27kVA @125% =33 kVAALL OTHER LOADS @100% =328 kVADIVERSIFIED TOTAL kVA =436RECEPTACLES 10kVA @100% =10 kVA25% OF LARGEST MOTOR =0 kVAAVERAGE AMPS PER PHASE =1212	31 20 1 0.2 CO KITCHEN B115 0.2 0.4 0.2 CO KITCHEN B129 0.2 0.2 1 32 33 20 1 1.0 DISHWASHER B115 1.0 2.9 1.9 RTU-1 0.2 1.9 30 3 34	
REMAINDER 130kVA @ 50% = 65 kVA	35 20 1 1.0 GARBAGE DISP. B115 1.0 2.9 1.9 - 1.9 - 36 37 30 3 1.9 RTU-1 1.9 3.8 1.9 - 1.9 - 36	THE DESIGNS SHOWN AND DESCRIBED HEREIN
$\triangle \{ PANEL "LA" \} \triangle$	39 - 1.9 2.9 1.0 EUH-2 1.0 20 2 40 41 - - 1.9 2.9 1.0 - 1.0 20 2 40 41 - - 1.9 2.9 1.0 - 1.0 20 2 40 42 20 2 9 1.0 - - 42 43 20 2 40 2.9 1.0 - - 42	NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE DADIED, DUBLICATED, OR COMMERCIALLY
VOLTS/PHASE/WIRE: PANEL SIZE & TYPE: MAIN SIZE & TYPE: LOCATION: AIC RATING: NOTES: 120/208 V, 3 PH 4 WIRE 22" W x 6" D, BOLT-ON 225 AMP MAIN CB 42,000 AIC 42,000 AIC	43 30 3 1.9 1.9 1.9 2.7 0.8 E0H-3 0.6 20 2 44 45 - 1.9 - 1.9 2.7 0.8 - 0.8 - 46 47 - - 1.9 - 1.9 3.6 1.7 EUH-1 1.7 20 - 48	EXPLOITED IN WHOLE OR IN PART WITHOUT HE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD I. WEICH
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR CKT OCP LOAD (kVA) DESCRIPTION LCL PHASE LOAD LCL DESCRIPTION LOAD (kVA) OCP CKT	49 20 2 0.8 EUH-3 0.8 2.5 1.7 - 1.7 20 1 40 51 - 0.8 - 0.8 1.1 0.4 EGRESS LIGHTING 0.3 20 1 52	ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR
NO AMP POLE LTG CO PWR AMP POLE NO 1 20 1 1.3 C LIGHTING 1.6 2.3 C KVA MASHER LAUNDY A127 1.0 20 1 20 1.0 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 20 20 20 20 20 20 20 20 20 20	53 20 2 1.0 EUH-2 1.0 2.7 1.7 CU-1/DSS-1 1.7 20 2 54 55 - - 1.0 - 1.0 2.7 1.7 CU-1/DSS-1 1.7 20 2 54	LIMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL
3 20 1 1.5 LIGHTING 1.9 1.9 0.4 CO LAUNDRY A127 0.4 20 1 4 5 30 2 1.3 DRYER LAUNDRY A101 1.3 2.6 1.3 DRYER LAUNDRY A127 1.3 30 2 6	57 20 1 0.4 KITCHEN ISLAND CO 0.4 0.8 0.4 KITCHEN ISLAND CO 0.4 20 1 58 59 20 1 0.6 RTU CO'S 0.6 1.6 1.0 SMOKE DETECTORS 0.4 20 1 60	DNLY IN ACCORDANCE WITH THIS NOTICE.
7 - 1.3 2.6 1.3 - - 8 9 20 1 1.0 WASHER LAUNDY A101 1.0 2.6 1.6 ROOMS A126, A125 1.4 0.2 20 1 10 11 20 1 1.4 0.2 DOOMS A102 A104 1.6 A10 0.3 CUSTORIAN 0.2 0.1 20 1 12	61 20 1 SPARE 0.0 0.0 SPARE 20 1 62 63 20 1 SPARE 0.0 0.0 0.0 SPARE 20 1 62 63 20 1 SPARE 0.0 0.0 SPARE 20 1 64	
11 20 1 1.4 0.2 ROOMS AT03, AT04 1.6 1.9 0.3 COSTODIAN 0.2 0.1 20 1 12 13 20 1 0.8 CO ROOMS AT01, AT02 0.8 2.0 1.2 RM AT22 1.1 0.1 20 1 14 15 20 1 0.6 0.6 WH/PLIMP/EIRE COMP 1.2 2.4 1.2 RM AT19 1.1 0.1 20 1 16	65 20 1 SPARE 0.0 0.0 0.0 SPARE 20 1 66 67 20 1 SPARE 0.0 0.0 0.0 SPARE 20 1 66 67 20 1 SPARE 0.0 0.0 SPARE 20 1 68 60 20 1 68 20 1 68 20 1 68	
10 20 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10 17 20 1 1.1 0.1 RM A107 1.2 1.8 0.6 CO STORAGE/DINING A130 0.6 20 1 18 19 20 1 1.1 0.1 RM A110 1.2 2.1 0.9 CO FAMILY ROOM A131 0.9 20 1 20	09 20 1 SPARE 0.0 0.0 0.0 SPARE 1 20 1 70 71 20 1 0.0 0.0 0.0 0.0 SPARE 1<	No 195079
21 20 1 1.1 0.1 RM A111 1.2 2.4 1.2 RM A118 1.1 0.1 20 1 22 23 20 1 0.9 CO RF ACCS, DINING A113 0.9 3.3 2.4 RANGE KITCHEN A132 2.4 50 2 24	CONNECTED AMPS PER PHASE 24 22 20 CONNECTED TOTAL RVA 73 CONNECTED AMPS PER PHASE 201 187 221 CONNECTED AVERAGE AMPS PER PHASE 203 NEC DIVERSIFIED LOAD CALCULATIONS CONNECTED AVERAGE AMPS PER PHASE 201 187 221 CONNECTED AVERAGE AMPS PER PHASE 203	$\bigcirc \qquad \qquad$
25 20 1 0.6 CO FAMILY ROOM/STOR. 0.6 3.0 2.4 - 2.4 - 2.4 - 2.6 27 50 2 2.4 2.4 RANGE KITCHEN A115 2.4 3.4 1.0 REFRIGERATOR A132 1.0 20 1 28	LIGHTING 3kVA @125% =4 kVAALL OTHER LOADS @100% =52 kVADIVERSIFIED TOTAL kVA =71RECEPTACLES 10kVA @100% =10 kVA25% OF LARGEST MOTOR =2 kVAAVERAGE AMPS PER PHASE =198	JOHANSEN Y
29 - - 2.4 - 2.4 2.6 0.2 CO KITCHEN A132 0.2 20 1 30 31 20 1 1.0 REFRIGERATOR A115 1.0 2.0 1 1.0 DISWASHER A132 1.0 2.0 1 32	REMAINDER 8kVA @ 50% = 4 kVA	
33 20 1 0.2 CO KITCHEN A115 0.2 1.2 1.0 GARBAGE DISP. A132 1.0 20 1 34 35 20 1 1.0 DISHWASHER A115 1.0 2.9 1.9 RTU-1 1.9 30 3 36	A PANEL "LC"	
37 20 1 1.0 GARBAGE DISP. A115 1.0 2.9 1.9 - 1.9 - 38 39 30 3 1.9 RTU-1 1.9 3.8 1.9 - 1.9 - 40 41 - - 1.9 - 3.8 1.9 PTU-1 1.9 3.8 1.9 0 1.9 - 40	VOLTS/PHASE/WIRE: PANEL SIZE & TYPE: MAIN SIZE & TYPE: LOCATION: AIC RATING: NOTES: 120/208 V/ 3 PH 4 WIRE 22" W/ x 6" D. BOL T-ON 200 AMP MAIN CB 10 000 AIC 10 000 AIC	
43 - 1.9 - 1.9 3.8 1.9 - 1.9 - 44 45 30 3 1.9 RTU-1 1.9 3.8 1.9 - 1.9 - 46	ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR, SUBFEED LUGS CKT OCP LOAD (kVA) DESCRIPTION LCL PHASE LOAD LCL DESCRIPTION LOAD (kVA) OCP CKT	
47 - - 1.9 - 1.9 2.7 0.8 EUH-3 0.8 20 2 48 49 - - 1.9 - 1.9 2.7 0.8 EUH-3 0.8 20 2 48	NO AMP_POLE LTG CO PWR KVA A B C kVA LTG CO PWR AMP_POLE NO 1 20 1 1.5 LIGHTING 1.9 2.3 0.8 CO FIRE RM/FIRE COMP 0.2 0.6 20 1 2	
51 20 1 1.0 EUH-2 1.0 2.0 1.0 EUH-2 1.0 20 2 52 53 20 1 1.0 1.0 - 1.0 2.0 1.0 - 1.0 20 2 54	3 20 1 1.2 LIGHTING 1.5 2.0 0.8 GROUP ROOM C127 0.8 20 1 4 5 20 1 1.0 1.0 LIGHTING 1.3 1.8 0.8 GROUP ROOM C127 0.8 20 1 4	
55 20 1 1.7 EUH-1 1.7 2.0 0.4 EGRESS LIGHTING 0.3 20 1 56 57 20 1 1.7 - 1.7 3.4 1.7 CU-1/DSS-1 1.7 20 2 58	7 20 1 0.8 CO RECPTION C122 0.8 2.0 1.2 GROUP ROOM C130,128 1.2 20 1 8 9 20 1 1.6 CO OFFICES C117, C116 1.6 2.4 0.8 GROUP ROOM C130,128 1.2 20 1 8	
59 20 1 0.4 KITCHEN ISLAND CO 0.4 2.1 1.7 - 60 61 20 1 0.8 RTU CO's 0.8 1.2 0.4 KITCHEN ISLAND CO 0.4 20 1 62 61 20 1 0.8 RTU CO's 0.8 1.2 0.4 KITCHEN ISLAND CO 0.4 20 1 62 63 20 1 0.9 1.0 1.0 1.0 0.4 20 1 62	11 20 1 1.4 CO OFFICES C115, C114 1.4 2.4 1.0 WH/PUMP/CO CUST C133 0.2 0.8 20 1 12 13 20 1 0.8 CO CUBICLES 0.8 1.6 0.8 CO CUBICLES 0.8 20 1 14 15 20 1 0.2 0.8 0.2 0.8 20 1 14	4905, 4911, 4915, 4925,
63 20 1 1.0 SMORE DETECTORS 1.0 1.0 0.0 SPARE 20 1 64 65 20 1 0 SPARE 0.0 0.0 SPARE 20 1 66 67 20 1 0.0 0.0 0.0 SPARE 20 1 68	15 20 1 0.8 CO OFFICE C105 0.8 1.8 1.0 COPPER COPY C121 1.0 20 1 16 17 20 1 1.4 CO OFFICE C107, C108 1.4 2.8 1.4 CO C129, C125, C132 1.2 0.2 20 1 18 19 20 1 10 REERIGERATOR C113 10 2.4 14 CO CORE C118 109 102 1.4 20 1 20	
61 20 1 SPARE 0.0 0.0 0.0 SPARE 20 1 70 71 20 1 SPARE 0.0 0.0 0.0 SPARE 20 1 70	10 20 1 1.0 1.0 1.0 1.1 <th1.1< th=""> <th1.1< th=""> <th1.1< th=""></th1.1<></th1.1<></th1.1<>	
TOTALS: CONNECTED kVA PER PHASE 27 28 26 CONNECTED TOTAL kVA 80 CONNECTED AMPS PER PHASE 221 232 213 CONNECTED AVERAGE AMPS PER PHASE 222	25 20 1 1.0 CO MEDS C112 1.0 2.9 1.9 - 1.9 - - 26 27 20 1 0.4 CO MEDS C112 0.4 2.3 1.9 RTU-1 1.9 30 3 28	
NEC DIVERSIFIED LOAD CALCULATIONS LIGHTING 3kVA @125% = 4 kVA ALL OTHER LOADS @100% = 57 kVA DIVERSIFIED TOTAL kVA = 77	29 20 1 0.8 CO BREAK ROOM C113 0.8 2.7 1.9 - 1.9 - 30 31 20 1 0.4 CO LAB C111 0.4 2.3 1.9 - 1.9 - 32	
RECEPTACLES 10kVA @100% =10kVA25% OF LARGEST MOTOR =2kVAAVERAGE AMPS PER PHASE =215REMAINDER 10kVA @ 50% =5kVA	33 20 1 0.2 CO LAB C111 0.2 1.2 1.0 EUH-2 1.0 20 2 34 35 20 1 1.0 REFRIGERATOR C111 1.0 2.0 1.0 - 1.0 20 2 34	
	37 30 3 1.9 RTU-1 1.9 3.6 1.7 EUH-1 1.7 20 2 38 39 - - 1.9 3.6 1.7 - 1.7 20 2 38 44 - 1.9 - 1.9 3.6 1.7 - - 40	PERMIT SET-December 28, 2016
	41 - - 1.9 - 1.9 2.3 0.5 EGRESS LIGHTING 0.4 20 1 42 43 30 3 1.9 RTU-1 1.9 2.5 0.6 CO ELEC C115A 0.6 20 1 44 45 - - 1.9 - 1.9 2.1 0.6 CO ELEC C115A 0.6 20 1 44	ADDENDUM #2-January 06, 2017
	43 - 1.9 - 1.9 4.0 2.1 00-21000-2	= 4 ADDENDUM #4-January 17, 2017
	51 - 1.0 - 1.0 2.4 1.4 CO CUBICLES 1.4 20 1 52 53 20 1 0.0 0.0 1.4 1.4 0.0 1.4 1.4 20 1 52	ADDENDUM #5-January 19, 2017
	55 20 1 SPARE 0.0 0.0 0.0 SPARE 20 1 56 57 20 1 0 SPARE 0.0 0.0 0.0 SPARE 1 56	ADDENDUM #8-March 20, 2017
	59 20 1 SPARE 0.0 0.0 0.0 SPARE 20 1 60 TOTALS: CONNECTED kVA PER PHASE 21 22 21 CONNECTED TOTAL kVA 64	L project no:
	CONNECTED AMPS PER PHASE 177 182 179 ARC CONNECTED AVERAGE AMPS PER PHASE 179 NEC DIVERSIFIED LOAD CALCULATIONS Image: Additional calculation of the second calc	trawn by:
	LIGHTING 4kVA @125% = 5 kVA ALL OTHER LOADS @100% = 36 kVA DIVERSIFIED TOTAL kVA = 58 RECEPTACLES 10kVA @100% = 10 kVA 25% OF LARGEST MOTOR = 0 kVA AVERAGE AMPS PER PHASE = 162 REMAINDER 14kVA @ 50% = 7 kVA	title

SCHEDULE	S
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	VOLTS/PHASE/WI 120/208 V, 3 PH 4	IRE: WIRE	PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON				
 | MAIN SIZE & TYP
250 AMP MAIN C

 | PE:
 | LOCATION: | AIC RATING: NOTES:
10,000 AIC
 | VOLTS/PHASE/W
120/208 V, 3 PH 4

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
 | MAIN SIZE & TYPE:
250 AMP MAIN CB |
 | AIC RATING:
10,000 AIC | NOTES:

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| | ACCESSORIES:
CKT OCP | PANEL DIREC | TORY, IDENTIFICATION, GROUND
 | ING BAR, INSULATED GF

 | ROUND BAR, SU
 | BFEED LUGS
DESCRIPTION |
 | ACCESSORIES:
CKT OCP

 | PANEL DIRECTORY | , IDENTIFICATION, GROUNDING E
DESCRIPTION
 | BAR, INSULATED GROUNE | D BAR, SUBFEED LUGS
 | LOAD (kVA) | OCP CKT

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| | NO AMP POLE 1 20 1 | E LTG CO P |
 | kVA A B
1.8 2.8

 | C kVA
 | CO DINING D103 | LTG CO PWR AMP POLE NO 1.4 20 1 2
 | NO AMP POLI 1 20 1

 | E LTG CO PWR
1.2 | LIGHTING
 | kVA A B C 1.5 2.2 | C kVA
1.0 WASHER LAUNDRY E127
 | LTG CO PWR | AMP POLE NO
20 1 2

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| | 32015201 | 1.2 0.6 |
 | 1.5 2.4 0.8 1

 | 1.2 1.6 1.0
 | CO COMMON AREA D112
FB WORKOUT RM D113 | 1.2 20 1 4 1.0 20 1 6
 | 3 20 1 5 20 1

 | 1.5 1.0 |
 | 1.9 2.8 1.3 2.1 | 1.3 DRYER LAUNDRY E127 .3 1.3 -
 | 1.3 1.3 | 30 2 4 - - 6

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| | 7 20 1 9 20 1 | 0.9 | CO RECEPTION D109
WH/PUMP
 | 0.9 1.9 0.7 1.7

 | 1.0 7 1.0
 | FB WORKOUT RM D113
FB WORKOUT RM D113 | 1.0 20 1 8 1.0 20 1 10
 | 7 <u>30</u> 2
9

 | 1.3 | DRYER LAUNDRY E101
 | 1.3 2.0 1.3 2.9 | 0.7 CO E134, E127
1.6 ROOMS E125,E126
 | 0.6 0.1 | 20 1 8 20 1 10

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| | 11 20 1 13 20 1 | 0.9 (| 0.3 CO D108A, D108, D107, D
CO PNTRY/SERV. D104,
 | 106 1.2
105 0.6 1.6

 | 2.2 1.0 1.0 1.0
 | CO WORKOUT RM D113
CO WORKOUT RM D113 | 1.0 20 1 12 1.0 20 1 14
 | 11 20 1 13 20 1

 | 1.4 0.2 1.0 1.0 | ROOMS E103, E104
WASHER LAUNDRY E101
 | 1.6 2. 1.0 2.2 | .8 1.2 ROOM E119 1.2 ROOM E122
 | 1.1 0.1 1.1 0.1 | 20 1 12 20 1 14

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| | 15 20 1
17 20 1 | 1.0 | REFRIGERATOR D105
 | 5 1.0 2.0

 |) 1.0
2.3 1.0
 | CO WORKOUT RM D113
CO WORKOUT RM D113 | 1.0 20 1 16 1.0 20 1 18
 | 15 20 1 17 20 1

 | 0.6 | CO ROOMS E101,E102
WH/PUMP/CO STORAGE
 | 0.6 0.9 | 0.3 CO/EF-1 CUSTODIAN E12
2 1.2 ROOM E118
 | 4 0.2 0.1 | 20 1 16 20 1 18

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| | 19 20 1 21 30 2 | | 1.5 KITCHEN HOOD
1.7 SOFT SERVE MACHIN
 | 1.5 2.5
E 1.7 2.3

 | 1.0
3 0.6
 | CO WORKOUT RM D113
CO WORKOUT RM D113 | 1.0 20 1 20 0.6 20 1 22
 | 19 20 1 21 20 1

 | 1.1 0.1 | ROOM E107
ROOM E110
 | 1.2 2.1 1.2 1.8 | 0.9 CO FAMILY ROOM E131
0.6 CO DINING ROOM E130
 | 0.9 | 20 1 20 20 1 22

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| | 23
25 20 1 | 0.6 | 1.7 -
CO KITCHEN D101
 | 1.7

 | 2.5 0.8
0.8
 | FIRE CO/FIRE COMP D114A
CO OFFICE/STOR D115 | 0.2 0.6 20 1 24 0.8 20 1 26
 | 23 20 1
25 20 1

 | 1.1 0.1 | ROOM E111
CO DINING E113
 | 1.2 2. 1.0 1.2 | .2 1.0 REFRIGERATOR E132
0.2 CO KITCHEN E132
 | 1.0 | 20 1 24 20 1 26

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| | 27 20 1
29 50 2 | 1.0 | CO KITCHEN D101
 | 1.0 1.8

 | 3 0.8
5.0 1.0
 | CO YOGA STUDIO D114
CO OFFICE D118 | 0.8 20 1 28 1.0 20 1 30
 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$

 | 0.6 | CO FAMILY E114
REFRIGERATOR E115
 | 0.6 3.0 | 2.4 RANGE E132 4 2.4
 | 2.4 | 50 2 28

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| | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 0.6 | 4.0 - SANDWICH/SALAD FRID
 | 4.0 4.8

 |
 | CO MUSIC ROOM D117 | 1.0 20 1 30 0.8 20 1 32 0.8 20 1 34
 | <u>31 50 2</u>
33 -

 | 2.4 | RANGE E115
 | 2.4 3.4 2.4 3.4 | 1.0 DISHWASHER E132 1.0 GARBAGE DISP E132
 | 1.0 | 20 1 32
20 1 34

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| | 35 20 1 35 20 1 | 1.0 | CO KITCHEN D101
 |

 | 1.4 0.4
 | CO COMPUTER LAB D119 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$
 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$

 | 1.0 | GARBAGE DISPOSAL
 | 1.0 2.4 1.0 2.4 | 9 1.9 RTU-1
 | 1.0 | 30 3 36

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| | 37 20 1 39 20 1 | 1.0 | CO KITCHEN D101
 | 1.0 1.4

 | 4 0.4
 | CO COMPUTER LAB D119
CO COMPUTER LAB D119 | 0.4 20 1 36
 | 37 20 1 39 20 1

 | 0.2 | CO KITCHEN E115
 | 0.2 2.1 | 1.9 -
 | 1.9 | 40

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| | 41 20 3 | | 0.5 GEF-1
 | 0.5 2.4

 | 2.4 1.9
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 | 1.9 3.1 1.9 3.8 | 8 1.9 RIU-1
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| | 45
47 20 3 | | 0.5 -
0.4 MAU-1
 | 0.5 2.4

 | 4 1.9
2.3 1.9
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RTU-1 | 1.9 - - 46 1.9 30 3 48
 | 45 - - 47 30 3

 | 1.9 1.9 1.9 | -
RTU-1
 | 1.9 3.8 1.9 3.8 | 1.9 - .8 1.9 RTU-2
 | 1.9
1.9 | 46
40 3 48

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| | 49
51 | | 0.4 -
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 | 1.9 3 1.9
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51

 | 1.9 1.9 |
 | 1.9 3.8 1.9 3.8 | 1.9 - 1.9 -
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52

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| | 53 30 3
55 | | 1.9 RTU-1
1.9 -
 | 1.9 1.9 2.9

 | 2.9 1.0 1.0 1.0
 | EUH-2
- | 1.0 20 2 54 1.0 - - 56
 | 53 20 2 55 - -

 | 0.8 | EUH-3
-
 | 0.8 1. 0.8 1.8 | .8 1.0 EUH-2 1.0 -
 | 1.0 1.0 | 20 2 54 - - 56

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| | 57
59 20 1 | 1.8 | 1.9
 | 1.9 3.8 1.8 1.8

 | 3 1.9 3.7 1.9
 | RTU-1 | 1.9 30 3 58 1.9 - - 60
 | 57 20 2 59 - -

 | 1.0 1.0 | EUH-2
 | 1.0 1.8 1.0 1.4 | 0.8 EUH-3
.8 0.8 -
 | 0.8 | 20 2 58
60

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| | 61 20 1 63 20 1 | 0.2 | 1.5 ANSUL FIRE PANEL
EGRESS LIGHTING
 | 1.5 3.4 0.3 1.9

 | 1.9 1.7
 | -
EUH-1 | 1.9 - - 62 1.7 20 2 64
 | 61 20 1 63 20 2

 | 0.5 | EGRESS LIGHTS
CU-1/DSS-1
 | 0.6 0.9 1.7 2.7 | 0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
 | 0.4 | 20 1 62 20 1 64

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| | 65 20 1
67 20 1 | 1.5 | BLDG A & B CANOPY LT
BLDG E & F CANOPY LT
 | IG 1.9

 | 3.2 1.7
 | -
EUH-2 | 1.7 66
 | 65
67 20 1

 | 1.7 | -
RTU CO'S
 | 1.7 1.7 1.0 1.0 | 7 0.0 SPARE
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| | 69 20 1 71 20 1 | 1.5 | BLDG C & D CANOPY L
 | TG 1.9 2.5

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 | 69 20 1 71 20 1

 | 0.4 | KITCHEN ISLAND CO
 | | 0.0 SPARE
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 | | 20 1 70 20 1 72

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| | 71 20 1 73 20 1 75 20 1 | 0.6 | RTU CO'S
 | 0.6 2.3

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 | 71 20 1 73 20 1 75 20 1

 | | SPARE
SPARE
 | 0.0 0.0 | 0.0 SPARE
 | | 20 1 72 20 1 74

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| | 75 20 1 77 20 1 70 20 1 | | SPARE
SPARE
 | 0.0 1.0

 | 1.0 1.0
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- | 1.0 20 1 76 1.0 20 1 78
 | 75 20 1 77 20 1 70 00 1

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SPARE
 | 1.7 0.0 1.7 0.1 | 0.0 SPARE
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| | 79 20 1 81 20 1 | | SPARE
SPARE
 | 0.0 0.0

 | 0.0
 | SPARE
SPARE | 20 1 80
 | 79 20 1 81 20 1

 | | SPARE
SPARE
 | 0.0 6.4 0.0 8.5 | 6.4 LE2
 | 5.1 3.4 | 70 3 80 - - 82

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| | 83 20 1
TOTALS: | | SPARE
CONNECTED kV/
 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

 | 0.0 0.0
33
 | SPARE | 20 1 84 CONNECTED TOTAL kVA 93
 | 83 20 1
TOTALS:

 | | SPARE
CONNECTED kVA PER
 | 0.0 5.
R PHASE 34 38 34 | <u>5 5.5 -</u>
4
 | CONNECTED TOT | │ - │ - │ 84
AL kVA 106

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| | NEC DIVERSIFIED | D LOAD CALCULA
TING 9kVA @125 | CONNECTED AMPS
 | ALL OTHER LC

 | 4 276
ADS @100% =
 | 54 kVA | DIVERSIFIED TOTAL KVA = 85
 | NEC DIVERSIFIED

 | D LOAD CALCULATION
TING 4kVA @125% = | CONNECTED AMPS PER
 | ALL OTHER LOADS (| @100% = 74 kVA
 | | PHASE 294
TOTAL kVA = 98

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| | REMAIND | DER 21kVA @ 100 | % = 10 kVA
 | 23% OF LARG

 | EST MOTOR -
 | 0 KVA | AVERAGE AMPS PER PHASE - 230
 | RECEPTAC

 | DER 18kVA @ 50% = | 9 kVA
 | 23% OF LANGEST IN |
 | AVERAGE AMP3 P | ERFHAGE - 272

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| | | IRE- | DANEL SIZE & TYDE
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 | "LE2"
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 | | NOTES:

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| | VOLTS/PHASE/WI
120/208 V, 3 PH 4 | IRE:
WIRE
PANEL DIRECT | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
 | MAIN SIZE & TYP
100 AMP MAIN L

 | "LE2"
 | LOCATION: | AIC RATING: NOTES:
10,000 AIC
 | VOLTS/PHASE/W
120/208 V, 3 PH 4

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
 | MAIN SIZE & TYPE:
225 AMP MAIN CB |
 | AIC RATING:
10,000 AIC | NOTES:

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| | VOLTS/PHASE/WI
120/208 V, 3 PH 4
ACCESSORIES:
CKT OCP | IRE:
WIRE
PANEL DIREC
LOAD (KVA) | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
TORY, IDENTIFICATION, GROUND
DESCRIPTION
 | MAIN SIZE & TYP
100 AMP MAIN L
DING BAR, INSULATED GF
LCL PHASE

 | PE:
UGS
ROUND BAR, SUI
 | LOCATION:
BFEED LUGS
DESCRIPTION | AIC RATING: NOTES:
10,000 AIC
LOAD (kVA) OCP CKT
LTG CO PWB AMP POLE NO
 | VOLTS/PHASE/W
120/208 V, 3 PH 4
ACCESSORIES:
CKT OCP
NO AMP POL

 | IRE:
WIRE
PANEL DIRECTORY
LOAD (kVA) | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
; IDENTIFICATION, GROUNDING E
DESCRIPTION
 | MAIN SIZE & TYPE:
225 AMP MAIN CB
BAR, INSULATED GROUNE
LCL PHASE LOAD | LCL DESCRIPTION
 | AIC RATING:
10,000 AIC
LOAD (kVA) | NOTES:

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| | VOLTS/PHASE/WI
120/208 V, 3 PH 4
ACCESSORIES:
CKT OCP
NO AMP POLE
1 20 2 | IRE:
WIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
TORY, IDENTIFICATION, GROUND
DESCRIPTION
WR
0.8 EUH-3
 | MAIN SIZE & TYP
100 AMP MAIN L
DING BAR, INSULATED GF
LCL PHASE
KVA A B
0.8 1.0

 | PE:
UGS
ROUND BAR, SU
LOAD LCL
C KVA
0.2
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140 | AIC RATING:
10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 1 4
 | VOLTS/PHASE/W
120/208 V, 3 PH 4
ACCESSORIES:
CKT OCP
NO AMP POLI
1 20 1
3 20 1

 | IRE:
WIRE
PANEL DIRECTORY
LOAD (KVA)
E LTG CO PWR
1.5
1.6 | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
 | MAIN SIZE & TYPE:
225 AMP MAIN CB
BAR, INSULATED GROUNE
LCL PHASE LOAD
KVA A B C
1.9 2.8 | LOCATION:
D BAR
LOCATION:
D BAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
 | AIC RATING:
10,000 AIC
LOAD (kVA)
LTG CO PWR
1.3 | NOTES:
OCP CKT
AMP POLE NO
30 2 2

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 2 3 - - 5 20 2 7 - - 9 20 2 | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
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(| PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
TORY, IDENTIFICATION, GROUND
DESCRIPTION
WR
0.8 EUH-3
0.8 -
1.0 EUH-2
1.0 -
0.8 EUH-3
 | MAIN SIZE & TYP
100 AMP MAIN L
DING BAR, INSULATED GF
LCL PHASE
KVA A B
0.8 1.0
0.8 1.0
1.0
1.0
1.0 2.1

 | "LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 1.1 0.8
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136 | AIC RATING:
10,000 AIC NOTES: LOAD (kVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 10 10 10 10
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 3 20 5 30 7 - 9 20 1

 | IRE: IRE WIRE IRECTORY LOAD (kVA) E LTG CO PWR 1.5 IRE IRE 1.6 IRE IRE IRE: IRE IRE IRE IRE: IRE: IRE IRE IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IRE: IR | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS E103 E104
 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 1.9 2.8 2.0 2.9 1.3 2.3 1.6 2.0 | LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
D LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 COLAUNDRY F127
 | AIC RATING:
10,000 AIC
LOAD (kVA)
LTG CO PWR
1.3
1.4
1.4
0.4 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - - - | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
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(
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(
(| PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
TORY, IDENTIFICATION, GROUND
) DESCRIPTION
WR
0.8 EUH-3
0.8 -
1.0 EUH-2
1.0 -
0.8 EUH-3
0.8 EUH-3
0.8 EUH-3
 | PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 1.0 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8

 | "LE2" DE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 1.1 0.8 0.8 0.0
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
SPARE | AIC RATING:
10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 0.2 20 1 6 1.1 20 1 8 0.8 20 1 10 20 1 14
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1

 | IRE:
WIRE
PANEL DIRECTORY
LOAD (kVA)
E LTG CO PWR
1.5
1.6
1.6
1.3
1.3
1.4
0.2
1.0
0.6 | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101

 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B C 1.9 2.8 2.0 2.9 1.3 2.3 1.6 2.0 1.0 2. | LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
L2 DESCRIPTION
 | AIC RATING:
10,000 AIC
LOAD (KVA)
LTG CO PWR
1.3
1.3
1.4 0.2
1.0
0.4
1.1 0.1
1.1 0.1 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 13 20 2 15 - - 13 20 2 15 - - | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
(0)
CO | PANEL SIZE & TYPE:
22" W x 6" D. BOLT-ON
TORY, IDENTIFICATION, GROUND
) DESCRIPTION
WR
0.8 EUH-3
0.8 -
1.0 EUH-2
1.0 -
0.8 EUH-3
0.8 -
0.8 EUH-3
0.8 -
0.8 EUH-3
0.8 -
1.0 -
0.8 EUH-3
0.8 -
0.8 EUH-3
 | PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA A 0.8 0.8 1.0 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8

 | "LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 1.1 0.8 0.8 0.0 0.03 0.0
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
SPARE
SPARE
SPARE | AIC RATING:
10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 1 4 0.2 20 1 4 6 1.1 20 1 8 0.8 20 1 10 20 1 12 1 20 1 12 10 12 14 1 20 1 14 14 14 1 20 1 16 14 14
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 3 5 30 7 - 9 20 11 20 13 20 14 20 15 30 20 1 11 20 12 1 13 20 14 20

 | IRE:
WIRE
PANEL DIRECTORY
LOAD (kVA)
E LTG CO PWR
1.5
1.6
1.6
1.3
1.3
1.3
1.3
1.3
0.6
1.1
0.6
1.1
0.1 | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
; IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B C 1.9 2.8 2.0 2.9 1.3 2.2 1.3 2.3 1.6 2.0 1.0 2. 0.6 1.8 1.2 1.5
 | LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
D LCL
DESCRIPTION
LCL
DESCRIPTION
1.3
DRYER LAUNDRY F127
1.3
-
9
1.6
ROOMS F125,F126
1.0
WASHER LAUNDRY F127
0.4
CO LAUNDRY F127
2
1.2
ROOM F119
1.2
ROOM F122
0.3
CO/EF-1 CUST. F124
1
0.0
CO LAUNDRY F127 | AIC RATING:
10,000 AIC
LOAD (kVA)
LTG CO PWR
1.3
1.4
1.4
0.2
1.0
0.4
1.1
0.1
0.2
0.1
0.2
0.1
 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 16

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
(0)
(0)
(0)
(0)
(0)
(0)
(0)
(0) | PANEL SIZE & TYPE:
22" W x 6" D. BOLT-ON
TORY, IDENTIFICATION, GROUND
) DESCRIPTION
WR
0.8 EUH-3
0.8 -
1.0 EUH-2
1.0 -
0.8 EUH-3
0.8 -
0.8 EUH-3
0.8 -
1.7 EUH-1
1.7 -
1.0 -
0.8 -
0.8 EUH-3
0.8 -
0.8 -
0.9 -
0.8 -
0.9 -
 | PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 0.8 1.0 0.8 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.10 1.10 1.10 1.17 1.7 1.7

 | Image: Constraint of the second state of th
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
SPARE
SPARE
SPARE
SPARE
SPARE | AIC RATING:
10,000 AIC NOTES: LOAD (k∨A) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 10 20 1 12 10 20 1 16 20 1 20 1 18 20 1 18 20 1 20 1 20 1 20 20 1 16 20 1 16 20 1 18 20 1 20 1 20 1 20 1 20
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 3 20 5 30 7 - 9 20 11 20 13 20 11 20 13 20 11 20 120 1 13 20 11 20 120 1 13 20 13 20 14 15 17 20 19 20 14 20

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP. | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B C 1.9 2.8 2.0 2.9 1.3 2.2 1.3 2.0 1.6 2.0 1.6 2.0 1.2 1.5 1.2 2. 1.2 2. 1.2 2.4
 | LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131 | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.4 0.4 1.1 0.4 1.1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.5 0.6 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
(0)
CO CO (0)
CO | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 1.0 EUH-1 1.0 - 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.0 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 -
 | PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 1.0 1.0 0.8 0.8 0.8 0.8 1.0 1.0 1.0 1.0 1.10 1.0 1.0 1.10 1.10 1.17 1.7 1.7 1.7 1.0 1.0

 | Image: Constraint of the second state of th
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE | AIC RATING: 10,000 AIC NOTES: 10,000 AIC LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 20 1 2 1 4 0.2 20 1 4 6 1.1 20 1 8 0.8 20 1 10 1.1 20 1 10 20 1 11 10 1.1 20 1 10 20 1 12 1.1 20 1 12 10 12 10 12 1.1 20 1 14 10 10 14 10 14 10 14 10 14 10 14 10 14 10 16 10 14 10 16 10 16 10 10 10 16 10 10 10 120 1 16
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 11 20 12 1 13 20 14 120 15 20 17 20 19 20 21 20 23 20

 | IRE: 2 PANEL DIRECTORY LOAD (k \vee A) E LTG CO PWR 1.5 - - - 1.6 - - - 1.6 - - - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.1 0.1 - - 0.6 - - - 1.1 0.1 - - 0.6 0.6 - - 1.1 0.1 - - 0.6 - - - 0.6 - - - 0.6 - - - 0.6 - - - 0.6 - - - | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
; IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.0 2.9 1.3 1.3 2.3 1.6 1.0 2.3 1.6 1.2 1.5 1.2 1.2 1.8 1.2 1.2 2.4 0.6 0.6 1.1 1.1
 | LOCATION:
D BAR
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
D LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132 | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO LTG CO 1.3 1.4 0.2 1.0 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.3 0.4 1.1 0.1 1.1 0.1 0.2 0.1 0.9 0.6 1.1 0.1 1.0 1.0 | NOTES:
 OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 16 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 24

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 1 27 20 1 | IRE:
VIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
CO CO P | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN DRINKING FOUNTAIN
 | PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA A 0.8 0.8 1.0 1.0 1.0 1.0 0.8 1.0

 | Image: Control of the second state in the second state
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
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SPARE
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SPARE | AIC RATING:
10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 20 1 20 1 6 1.1 20 1 8 0.1 0.8 20 1 10 20 1 12 0.8 20 1 10 20 1 12 0.8 20 1 12 10 12 10 0.8 20 1 12 10 12 10 12 0.8 20 1 11 10 10 12 10 12 0.1 1.0 20 1 14 10 14 10 14 10 10 120 14 14 10 11 14 10 10 14 10 10 11 10 10 11 10 10 11 120 11 14 <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 14 11 15 20 11 20 13 20 14 11 15 20 17 20 17 20 19 20 21 20 23 20 25 20 27 20</th> <th>IRE: IRE: IRE:</th> <th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B.O. 2.9 1.3 2.9 1.3 2.0 1.6 2.0 1.0 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4</th> <th>LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -</th> <th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO LTG CO 1.3 1.4 0.2 1.4 0.2 1.1 0.1 0.4 1.1 0.4 0.4 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 1.1 0.1 0.2 0.1 1.1 0.1 0.2 0.1 0.3 0.2 0.4 0.2 1.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 1.1 0.1 1.0 1.0 1.0 2.4 2.4 2.4</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 16 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 24 50 2 26 - - 28</th>
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 14 11 15 20 11 20 13 20 14 11 15 20 17 20 17 20 19 20 21 20 23 20 25 20 27 20

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B.O. 2.9 1.3 2.9 1.3 2.0 1.6 2.0 1.0 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4
 | LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 - | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO LTG CO 1.3 1.4 0.2 1.4 0.2 1.1 0.1 0.4 1.1 0.4 0.4 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 1.1 0.1 0.2 0.1 1.1 0.1 0.2 0.1 0.3 0.2 0.4 0.2 1.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 1.1 0.1 1.0 1.0 1.0 2.4 2.4 2.4 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 16 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 24 50 2 26 - - 28

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 27 20 29 20 31 20 | IRE:
WIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
C CO | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 - 1.0 EUH-3 0.8 - 1.0 EUH-3 0.8 - 0.8 - 1.0 EUH-3 0.8 - 1.7 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 - 0.6 CO FIRE E135/FIRE CON DRINKING FOUNTAIN SPARE SPARE SPARE
 | PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 1.0 0.8 0.8 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.17 1.7 1.7 1.7 1.7 1.7 1.0 1.7 1.0 1.17 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.8 0.8 0.8 0.8 0.0 0.0 0.0 </th <th>Image: Constraint of the second state of th</th> <th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
CO A/V E139
SPARE
SPARE
SPARE
SPARE
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SPARE
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SPARE</th> <th>AIC RATING:
10,000 AIC NOTES:
0CP LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0 1 2 0.2 20 1 2 1 4 1.0 20 1 6 1 1 6 1.1 20 1 8 0.8 20 1 10 20 1 20 1 10 10 10 10 10 20 1 10 20 1 10 10 10 10 20 1 10 20 1 11 10 10 10 20 1 10 20 1 14 10 <td< th=""><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 120 1 13 20 14 120 15 20 17 20 18 20 19 20 121 20 123 20 127 20 27 20 29 50 31 -</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-</th><th>PANEL
 " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B C 1.9 2.8 2.0 2.9 1.3 1.3 2.3 1.6 1.0 2.0 1.0 1.2 1.5 1.2 1.2 2.4 0.6 1.0 3.4 2.4 2.4 3.4 3.4</th><th>LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.0 0.4 1.1 0.1 0.4 1.1 0.4 0.1 1.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 0.1 0.3 1.1 1.1 0.1 1.0 2.4 1.0 1.0 1.0 1.0</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 32 </th></td<></th>

 | Image: Constraint of the second state of th
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
CO A/V E139
SPARE
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SPARE | AIC RATING:
10,000 AIC NOTES:
0CP LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0 1 2 0.2 20 1 2
1 4 1.0 20 1 6 1 1 6 1.1 20 1 8 0.8 20 1 10 20 1 20 1 10 10 10 10 10 20 1 10 20 1 10 10 10 10 20 1 10 20 1 11 10 10 10 20 1 10 20 1 14 10 <td< th=""><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 120 1 13 20 14 120 15 20 17 20 18 20 19 20 121 20 123 20 127 20 27 20 29 50 31 -</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B C 1.9 2.8 2.0 2.9 1.3 1.3 2.3 1.6 1.0 2.0 1.0 1.2 1.5 1.2 1.2 2.4 0.6 1.0 3.4 2.4 2.4 3.4 3.4</th><th>LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.0 0.4 1.1 0.1 0.4 1.1 0.4 0.1 1.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 0.1 0.3 1.1 1.1 0.1 1.0 2.4 1.0 1.0 1.0 1.0</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 32 </th></td<> | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 120 1 13 20 14 120 15 20 17 20 18 20 19 20 121 20 123 20 127 20 27 20 29 50 31 -

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B C 1.9 2.8 2.0 2.9 1.3 1.3 2.3 1.6 1.0 2.0 1.0 1.2 1.5 1.2 1.2 2.4 0.6 1.0 3.4 2.4 2.4 3.4 3.4 | LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
 | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.0 0.4 1.1 0.1 0.4 1.1 0.4 0.1 1.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 0.1 0.3 1.1 1.1 0.1 1.0 2.4 1.0 1.0 1.0 1.0 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 32

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 17 20 19 - 21 20 23 - 25 20 1 20 23 - 25 20 1 20 31 20 33 20 35 20 | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
(0
100 0.0
100 0.0
100 0.2 0
100 1.0
100 0.2 0
100 0 | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 EUH-3 0.8 - 1.0 EUH-3 0.8 - 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE SPARE SPARE SPARE SPARE <th>PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 1.0 1.0 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.7 1.7 1.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 </th> <th>Image: Control of the second state of the second state</th> <th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
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SPARE</th> <th>AIC RATING: 10,000 AIC NOTES: 10,000 AIC LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 0.2 20 1 2 1 4 0.2 20 1 4 6 1 1 2 0.2 20 1 4 6 1 1 2 1 4 1.0 20 1 8 20 1 10 10 1.1 20 1 10 20 1 11 1.1 20 1 11 10 11 12 1.1 20 1 11<!--</th--><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 14 20 15 20 17 20 19 20 21 20 23 20 24 27 29 50 231 - 33 20 35 20</th><th>IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 - - - 1.6 - - - 1.6 - - - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.1 0.1 - - 0.6 - - - 0.6 0.6 - - 0.6 0.6 - - 0.6 0.9 - - 1.0 1.0 - - 1.0 - 2.4 - 1.0 - 1.0 - 1.0 - 1.0 - </th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD KVA A B C 1.9 2.8 2.0 2.9 1.3 1.3 2.3 1.6 1.0 2.0 2.10 1.2 1.5 1.2 1.2 1.5 1.2 1.2 2.4 0.6 1.0 3.4 2.4 0.6 3.4 3.4 2.4 3.4 3.4 1.0 1.2 1.2</th><th>LOCATION:
LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
LLCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1</th><th>$\begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 1.3 \\ \hline 1.4 & 0.2 \\$</th><th>NOTES: OCP CKT AMP
 POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30</th></th> | PANEL MAIN SIZE & TYF 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 1.0 1.0 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.7 1.7 1.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0

 | Image: Control of the second state
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
SPARE
SPARE
SPARE
SPARE
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SPARE | AIC RATING: 10,000 AIC NOTES: 10,000 AIC LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 0.2 20 1 2 1 4 0.2 20 1 4 6 1 1 2 0.2 20 1 4 6 1 1 2 1 4 1.0 20 1 8 20 1 10 10 1.1 20 1 10 20 1 11 1.1 20 1 11 10 11 12 1.1 20 1 11 </th <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 14 20 15 20 17 20 19 20 21 20 23 20 24 27 29 50 231 - 33 20 35 20</th> <th>IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 - - - 1.6 - - - 1.6 - - - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.1 0.1 - - 0.6 - - - 0.6 0.6 - - 0.6 0.6 - - 0.6 0.9 - - 1.0 1.0 - - 1.0 - 2.4 - 1.0 - 1.0 - 1.0 - 1.0 - </th> <th>PANEL SIZE
& TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD KVA A B C 1.9 2.8 2.0 2.9 1.3 1.3 2.3 1.6 1.0 2.0 2.10 1.2 1.5 1.2 1.2 1.5 1.2 1.2 2.4 0.6 1.0 3.4 2.4 0.6 3.4 3.4 2.4 3.4 3.4 1.0 1.2 1.2</th> <th>LOCATION:
LOCATION:
D BAR
LOCATION:
D BAR
LOCATION:
D BAR
LLCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1</th> <th>$\begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 1.3 \\ \hline 1.4 & 0.2 \\$</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30</th> | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 14 20 15 20 17 20 19 20 21 20 23 20 24 27 29 50 231 - 33 20 35 20

 | IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 - - - 1.6 - - - 1.6 - - - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.6 - 1.3 - 1.1 0.1 - - 0.6 - - - 0.6 0.6 - - 0.6 0.6 - - 0.6 0.9 - - 1.0 1.0 - - 1.0 - 2.4 - 1.0 - 1.0 - 1.0 - 1.0 - | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD KVA A B C 1.9 2.8 2.0 2.9 1.3 1.3 2.3 1.6 1.0 2.0 2.10 1.2 1.5 1.2 1.2 1.5 1.2 1.2 2.4 0.6 1.0 3.4 2.4 0.6 3.4 3.4 2.4 3.4 3.4 1.0 1.2 1.2
 | LOCATION:
LOCATION:
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LOCATION:
D BAR
LOCATION:
D BAR
LLCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1 | $ \begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 1.3 \\ \hline 1.4 & 0.2 \\ $ | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 19 - 21 20 23 - 25 20 131 20 33 20 33 20 35 20 TOTALS: | IRE:
WIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LTG CO P
(0
100 0.0
100 0.2 (0
100 0. | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE SPARE SPARE SPARE SPARE CONNECTED KV/ CONNECTED AMPS
 | PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0 <th>"LE2" DE: UGS ROUND BAR, SUI LOAD LCL C kVA 0.2 0.2 2.0 1.0 2.0 1.0 3 0.0 3 0.0 3 0.0 1.7 0.0 0.0 0.0 1.7 0.0 0.0 0.0 1.0 0.0 0.0 0.0</th> <th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
SPARE
SPARE
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SPARE</th> <th>AIC RATING:
10,000 AIC NOTES:
0CP LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 20 1 2 1 4 1.0 20 1 6 1.1 20 1 8 20 1 10 10 10 10 1.1 20 1 8 20 1 10</th> <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES:
 CKT OCP NO AMP 1 20 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 11 20 13 20 11 20 11 20 12 1 13 20 11 20 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 123 20 129 50 231 - 33 20 <t< th=""><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F110
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.2 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 0.6 1.1 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 1.2 - - 1.0 3.4 - - 1.0 1.2 - - 0.2 2.1 - - 1.0 2.2 - - <</th><th>LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
LCL DESCRIPTION
LCL DESCRIPTION
LCL DESCRIPTION
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -</th><th>$\begin{array}{ c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ \hline 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 \\ 0.1 \\ 0.2 \\ 1.1 \\ 0.1 \\ 0.2 \\ 1.1 \\ 0.1 \\ 1.0 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.9 \\ 1.$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 38 <tr tr=""> - - <td< th=""></td<></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 17 20 19 - 21 20 23 - 25 20 13 20 27 20 31 20 33 20 35 20 135 20</th><th>IRE:
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LTG CO P
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0</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR </th><th>PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA A 0.8 0.8 1.0 1.0 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0</th><th>Image: Control of the second state in the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V
E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 10 20 1 14 10 20 1 14 10 20 1 14 10 20 1 14 11 20 1 14 10 20 1 14 10 20 1 20 11 20 1 20 1 10 20 1 20 1 10 20 1 30 30 11 20 1 30 30 12 20 1 30 30<th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 12 1 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 127 20 133 20 137 20 <</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 2.0 2.9 1.3 2.3 1.6 2.0 1.7 2.3 1.6 2.0 1.10 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4 2.4 3.4 1.0 1.2 1.0 3.4 2.4 3.4 1.0 1.2 1.0 2.2 1.0 3.4 2.4 3.4 1.0 2.2 1.1 3.8 1.9 3.8 1.9 3.8</th><th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -</th><th>$\begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 11G CO PWR \\ \hline 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 0.2 \\ 1.1 0.1 \\ 0.2 0.1 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 0.1 \\ 1.0$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 38 20 1 38 20 1 32 20 1 30 20 1 30 20 1 32 20 1 32 20 1 34 30 3 36 - - 38 - - 44</th></th></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 -
17 20 19 - 21 20 23 - 17 20 19 - 21 20 13 20 120 2 13 - 25 20 1 31 20 1 33 20 1 33 20 1 35 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO CO
C CO CO
C CO CO
C CO CO
C CO
C</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 1.0 - 1.7 EUH-1 1.7 - 1.0 - 0.6 CO FIRE E135/FIRE CON DRINKING FOUNTAIN SPARE SPARE SPARE SPARE</th><th>MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0</th><th>Image: Control of the second state in the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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S</th><th>AIC RATING:
10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 10 20 1 20 1 20 1 20 1 20 1 10 20 1 20 1 20 1 18 20 1 20 1 20 20 1 20 1 22 20 1 20 1 28 20 1 20 1 30 20 1 20 1 34 20 1 32 20 1 34 20 1 34 20 1 <</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 17 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39</th><th>IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.1 0.1 0.6 1.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 2.4 0.9 2.4 1.0 1.0 1.0 1.0 0.2 1.0 0.2 1.0 0.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
RTU-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.3 2.3 - - 1.3 2.3 - - 1.13 2.3 - - 1.3 2.3 - - 1.6 2.0 - - 1.13 2.3 - - 1.0 2.3 - - 1.2 1.5 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.4 3.4 - 1.0 2.1 - -<!--</th--><th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.0 -
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1.0 -</th><th>$\begin{array}{ c c c c c c } AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.0 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 1.0
\\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.0$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 38 20 1 38 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 38 - - 40 30 3 42 - - 44</th></th></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 13 20 2 15 - - 13 20 2 15 - - 17 20 2 19 - - 21 20 1 27 20 1 29 20 1 31 20 1 33 20 1 35 20 1 TOTALS: LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LOAD (KVA)
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0</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 EUH-3 0.8 - 1.0 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA<!--</th--><th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0 0.0</th><th>Image: Constraint of the second stress of</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
SPARE
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10,000 AIC NOTES:
CK1 LOAD (k∨A) OCP CK1 LTG CO PWR AMP POLE NO LTG O.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 1.0 20 1 12 1.1 20 1 8 0.8 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 20 1.1 20 1 20 1.1 20 1 30 1.1 20 1 34</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1
 37 20 1 39</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.6 2.0 - - 1.10 2.3 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.1 - - 1.0 2.1 - - 1.0 2.1 - -<th>LFT
LOCATION:
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LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44</th></th></th></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 15 - 17 20 20 2 13 20 14 - 15 - 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN</th><th>IRE:
VIRE
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LOAD (kVA)
E LTG CO P
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BFEED LUGS
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CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0 4 0.2 20 1 4 4 1.0 20 1 6 4 1.1 20 1 8 20 1 10 0.2 0.2 20 1 4 4 10 10 10 14 10 10 10 10 10 10 10 11 12 11 12 11 12 11 12 11 12 11 12
 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 13 12 11 13 12 12 12 12 12 12 12 12 12 12 12 <t< th=""><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 12 20 11 20 11 20 11 20 11 20 121 20 1 20 1 20 1 20 1 20 1 20 31 -</th><th>IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.0 2.9 1.3 2.0 - 1.6 2.0 - 1.6 2.0 - 1.6 2.0 - 1.2 1.5 - 1.2 2.4 - 0.6 1.8 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 1.2 - 1.0 1.2 - 1.0 2.1 - 1.12 - - 1.0 2.1 - 1.9 3.8 -</th><th>LFT
LOCATION:
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
9 1.0 EUH-2
1.0 DISHWASHER
5 0.8 -
0.4 EGRESS LIGHTS</th><th>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.1 1.0 1.1 1.1 0.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42</th></t<></th></tr><tr><th>CIRCUIT VOLTS LOAD DESCRIPTION</th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 127 20 13 20 13 20 13 20 13 20 13 20 131 20 133 20 35 20 1 33 20 1 35 20 1 1 35 20 1 1 35 20 1 1 35 20 1 1 10</th><th>IRE:
WIRE
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LOAD (KVA)
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BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 20 1 2 0.2 20 1 2 1 4 0.2 20 1 8 1 2 0.2 20 1 8 1 1 10 20 1 1 1 1 11 20 1 8 1 1 10 20 1 11 1 1 11 20 1 1 1 1 10 20 1 1 1 1 1 11 20 1 <</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30</th><th>IRE: </th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
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RTU-1
-
EUH-1
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EUH-2
-
KITCHEN ISLAND CO</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.9 1.3 2.1 1.3 2.3 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.0 2.3 1.5 1.2 1.5 1.2 2.1 1.2 1.2 2.4 3.1 1.1</th><th>LUCATION:
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10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 0.3 1.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 1.1 0.1 0.2 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.1 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 14 20
 1 20 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 46 20 2 48 - - 50 <!--</th--></th></th></tr><tr><th>CIRCUIT VOLTS LOAD DESCRIPTION LD 120 BLDG A & B CANOPY LTG LD 120 BLDG E & F CANOPY LTG LD 120 BLDG C & D CANOPY LTG</th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 17 20 18 - 21 20 23 - 24 20 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LOAD (kVA)
E LTG CO P
C C C C
PANEL DIREC
PANEL DIREC
P</th><th>PANEL SIZE & TYPE: 22" W x 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA</th><th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25% OF LARG</th><th>"LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 3 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 1.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
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CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
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22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
EUH-1
-
EUH-1
-
KITCHEN ISLAND CO
RTU CO'S
SPARE</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.3 - 1.6 2.0 - 1.3 2.3 - 1.6 2.0 - 1.13 2.3 - 1.3 2.3 - 1.10 2.9 - 1.12 1.5 - 1.2 1.5 - 1.2 2.4 - 1.2 2.4 - 1.12 2.4 -
0.6 1.1 - 0.9 3.3 - 1.0 3.4 - 1.0 2.4 - 1.0 1.2 - 1.0 2.1 - 1.10 2.2 - 1.9 3.8 - 1.9 3.</th><th>LUCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F129
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 CAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 CO LAUNDRY F127
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.0 EUH-2
1.0 -
0.8 EUH-3
5 0.8 -
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS</th><th>AIC RATING: LOAD (kVA) LTG CO PWR 1.1 1.3 1.1 1.3 1.1 1.3 1.1 1.3 1.1 0.2 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 30 3 36 - - 38 - - 44 - - 44 - - 50 20 2 52 <</th></th> | "LE2" DE: UGS ROUND BAR, SUI LOAD LCL C kVA 0.2 0.2 2.0 1.0 2.0 1.0 3 0.0 3 0.0 3 0.0 1.7 0.0 0.0 0.0 1.7 0.0 0.0 0.0 1.0 0.0 0.0 0.0
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES:
0CP LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 20 1 2 1 4 1.0 20 1 6 1.1 20 1 8 20 1 10 10 10 10 1.1 20 1 8 20 1 10
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 5 30 7 - 9 20 11 20 13 20 11 20 13 20 11 20 11 20 12 1 13 20 11 20 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 123 20 129 50 231 - 33 20 <t< th=""><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F110
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.2 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 0.6 1.1 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 1.2 - - 1.0 3.4 - - 1.0 1.2 - - 0.2 2.1 - - 1.0 2.2 - - <</th><th>LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
LCL DESCRIPTION
LCL DESCRIPTION
LCL DESCRIPTION
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -</th><th>$\begin{array}{ c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ \hline 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 \\ 0.1 \\ 0.2 \\ 1.1 \\ 0.1 \\ 0.2 \\ 1.1 \\ 0.1 \\ 1.0 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.9 \\
1.9 \\ 1.$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 38 <tr tr=""> - - <td< th=""></td<></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 17 20 19 - 21 20 23 - 25 20 13 20 27 20 31 20 33 20 35 20 135 20</th><th>IRE:
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0</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR </th><th>PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA A 0.8 0.8 1.0 1.0 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0</th><th>Image: Control of the second state in the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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S</th><th>AIC RATING:
10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 10 20 1 14 10 20 1 14 10 20 1 14 10 20 1 14 11 20 1 14 10 20 1 14 10 20 1 20 11 20 1 20 1 10 20 1 20 1 10 20 1 30 30 11 20 1 30 30 12 20 1 30 30<th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 12 1 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 127 20 133 20 137 20 <</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 2.0 2.9 1.3 2.3 1.6 2.0 1.7 2.3 1.6 2.0 1.10 2.1 1.2 1.5 1.2 2.4 0.6
 1.1 0.9 3.3 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4 2.4 3.4 1.0 1.2 1.0 3.4 2.4 3.4 1.0 1.2 1.0 2.2 1.0 3.4 2.4 3.4 1.0 2.2 1.1 3.8 1.9 3.8 1.9 3.8</th><th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -</th><th>$\begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 11G CO PWR \\ \hline 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 0.2 \\ 1.1 0.1 \\ 0.2 0.1 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 0.1 \\ 1.0$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 38 20 1 38 20 1 32 20 1 30 20 1 30 20 1 32 20 1 32 20 1 34 30 3 36 - - 38 - - 44</th></th></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 17 20 19 - 21 20 13 20 120 2 13 - 25 20 1 31 20 1 33 20 1 33 20 1 35 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO CO
C CO CO
C CO CO
C CO CO
C CO
C</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 1.0 - 1.7 EUH-1 1.7 - 1.0 - 0.6 CO FIRE E135/FIRE CON DRINKING FOUNTAIN SPARE SPARE SPARE SPARE</th><th>MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0</th><th>Image: Control of the second state in the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4
 1.0 20 1 6 1.1 20 1 8 0.8 20 1 10 20 1 20 1 20 1 20 1 20 1 10 20 1 20 1 20 1 18 20 1 20 1 20 20 1 20 1 22 20 1 20 1 28 20 1 20 1 30 20 1 20 1 34 20 1 32 20 1 34 20 1 34 20 1 <</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 17 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39</th><th>IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.1 0.1 0.6 1.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 2.4 0.9 2.4 1.0 1.0 1.0 1.0 0.2 1.0 0.2 1.0 0.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
RTU-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.3 2.3 - - 1.3 2.3 - - 1.13 2.3 - - 1.3 2.3 - - 1.6 2.0 - - 1.13 2.3 - - 1.0 2.3 - - 1.2 1.5 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.4 3.4 - 1.0 2.1 - -<!--</th--><th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.0 -
1.0 -
1.0 -
1.0 -
1.0 -
1.0 -
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1.0 -</th><th>$\begin{array}{ c c c c c c } AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.0 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.0$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 38 20 1 38 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 38 - - 40 30 3 42 - - 44</th></th></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 13 20 2 15 - - 13 20 2 15 - - 17 20 2 19 - - 21 20 1 27 20 1 29 20 1 31 20 1 33 20 1 35 20 1 TOTALS: LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (KVA)
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0</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 EUH-3 0.8 - 1.0 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA<!--</th--><th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0
 0.0</th><th>Image: Constraint of the second stress of</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
SPARE
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10,000 AIC NOTES:
CK1 LOAD (k∨A) OCP CK1 LTG CO PWR AMP POLE NO LTG O.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 1.0 20 1 12 1.1 20 1 8 0.8 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 20 1.1 20 1 20 1.1 20 1 30 1.1 20 1 34</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.6 2.0 - - 1.10 2.3 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.1 - - 1.0 2.1 - - 1.0 2.1 - -<th>LFT
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44</th></th></th></tr><tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 15 - 17 20 20 2 13 20 14 - 15 - 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN</th><th>IRE:
VIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO P
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C CO</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION ?WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2
 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA</th><th>AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0</th><th>Image: Contract of the second state of the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
SPARE
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10,000 AIC NOTES: LOAD (KVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0 4 0.2 20 1 4 4 1.0 20 1 6 4 1.1 20 1 8 20 1 10 0.2 0.2 20 1 4 4 10 10 10 14 10 10 10 10 10 10 10 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 13 12 11 13 12 12 12 12 12 12 12 12 12 12 12 <t< th=""><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 12 20 11 20 11 20 11 20 11 20 121 20 1 20 1 20 1 20 1 20 1 20 31 -</th><th>IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.0 2.9 1.3 2.0 - 1.6 2.0 - 1.6 2.0 - 1.6 2.0 - 1.2 1.5 - 1.2 2.4 - 0.6 1.8 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 1.2 - 1.0 1.2 - 1.0 2.1 - 1.12 - - 1.0 2.1 - 1.9 3.8 -</th><th>LFT
LOCATION:
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
9 1.0 EUH-2
1.0 DISHWASHER
5 0.8 -
0.4 EGRESS LIGHTS</th><th>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.1 1.0 1.1 1.1 0.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42</th></t<></th></tr><tr><th>CIRCUIT VOLTS LOAD DESCRIPTION</th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17
20 19 - 21 20 127 20 13 20 13 20 13 20 13 20 13 20 131 20 133 20 35 20 1 33 20 1 35 20 1 1 35 20 1 1 35 20 1 1 35 20 1 1 10</th><th>IRE:
WIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LOAD (KVA)
E LTG CO P
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C C C C C C C C C C C C C C C C C C C</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR - 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA OFF SCHEDULE <</th><th>AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0</th><th>PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 1.7 0.0 0.0 0.0 1.7 0.0 0.0 0.0 <!--</th--><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 20 1 2 0.2 20 1 2 1 4 0.2 20 1 8 1 2 0.2 20 1 8 1 1 10 20 1 1 1 1 11 20 1 8 1 1 10 20 1 11 1 1 11 20 1 1 1 1 10 20 1 1 1 1 1 11 20 1 <</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30</th><th>IRE: </th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
-
EUH-2
-
KITCHEN ISLAND CO</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.9 1.3 2.1 1.3 2.3 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.0 2.3 1.5 1.2 1.5 1.2 2.1 1.2 1.2 2.4 3.1 1.1
1.1</th><th>LUCATION:
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10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 0.3 1.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 1.1 0.1 0.2 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.1 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 46 20 2 48 - - 50 <!--</th--></th></th></tr><tr><th>CIRCUIT VOLTS LOAD DESCRIPTION LD 120 BLDG A & B CANOPY LTG LD 120 BLDG E & F CANOPY LTG LD 120 BLDG C & D CANOPY LTG</th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 17 20 18 - 21 20 23 - 24 20 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LOAD (kVA)
E LTG CO P
C C C C
PANEL DIREC
PANEL DIREC
P</th><th>PANEL SIZE & TYPE: 22" W x 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA</th><th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25% OF LARG</th><th>"LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 3 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 1.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V
E139
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22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
EUH-1
-
EUH-1
-
KITCHEN ISLAND CO
RTU CO'S
SPARE</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.3 - 1.6 2.0 - 1.3 2.3 - 1.6 2.0 - 1.13 2.3 - 1.3 2.3 - 1.10 2.9 - 1.12 1.5 - 1.2 1.5 - 1.2 2.4 - 1.2 2.4 - 1.12 2.4 - 0.6 1.1 - 0.9 3.3 - 1.0 3.4 - 1.0 2.4 - 1.0 1.2 - 1.0 2.1 - 1.10 2.2 - 1.9 3.8 - 1.9 3.</th> <th>LUCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F129
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 CAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 CO LAUNDRY F127
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
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1.9 -
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1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.0 EUH-2
1.0 -
0.8 EUH-3
5 0.8 -
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS</th> <th>AIC RATING: LOAD (kVA) LTG CO PWR 1.1 1.3 1.1 1.3 1.1 1.3 1.1 1.3 1.1 0.2 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 30 3 36 - - 38 - - 44 - - 44 - - 50 20 2 52 <</th> | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F110
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.2 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 0.6 1.1 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 1.2 - - 1.0 3.4 - - 1.0 1.2 - - 0.2 2.1 - - 1.0 2.2 - - < | LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
LCL DESCRIPTION
LCL DESCRIPTION
LCL DESCRIPTION
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
 | $ \begin{array}{ c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ \hline 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.4 \\ 1.1 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 \\ 0.1 \\ 0.2 \\ 1.1 \\ 0.1 \\ 0.2 \\ 1.1 \\ 0.1 \\ 1.0 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.9 \\ 1.$ | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 38 <tr tr=""> - - <td< th=""></td<></tr> <tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 17 20 19 - 21 20 23 - 25 20 13 20 27 20 31 20 33 20 35 20 135 20</th><th>IRE:
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0</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR </th><th>PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA A 0.8 0.8 1.0 1.0 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0</th><th>Image: Control of the second state in the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 10 20 1 14 10 20 1 14 10 20 1 14 10 20 1 14 11 20 1 14 10 20 1 14 10 20 1 20
11 20 1 20 1 10 20 1 20 1 10 20 1 30 30 11 20 1 30 30 12 20 1 30 30<th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 12 1 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 127 20 133 20 137 20 <</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 2.0 2.9 1.3 2.3 1.6 2.0 1.7 2.3 1.6 2.0 1.10 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4 2.4 3.4 1.0 1.2 1.0 3.4 2.4 3.4 1.0 1.2 1.0 2.2 1.0 3.4 2.4 3.4 1.0 2.2 1.1 3.8 1.9 3.8 1.9 3.8</th><th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -</th><th>$\begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 11G CO PWR \\ \hline 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 0.2 \\ 1.1 0.1 \\ 0.2 0.1 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 0.1 \\ 1.0$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 38 20 1 38 20 1 32 20 1 30 20 1 30 20 1 32 20 1 32 20 1 34 30 3 36 - - 38 - - 44</th></th></tr> <tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 17 20 19 - 21 20 13 20 120 2 13 - 25 20 1 31 20 1 33 20 1 33 20 1 35 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO CO
C CO CO
C CO CO
C CO CO
C CO
C</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 1.0 - 1.7 EUH-1 1.7 - 1.0 - 0.6 CO FIRE E135/FIRE CON DRINKING FOUNTAIN SPARE SPARE SPARE SPARE</th><th>MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0</th><th>Image: Control of the second state in the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V
E139
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10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 10 20 1 20 1 20 1 20 1 20 1 10 20 1 20 1 20 1 18 20 1 20 1 20 20 1 20 1 22 20 1 20 1 28 20 1 20 1 30 20 1 20 1 34 20 1 32 20 1 34 20 1 34 20 1 <</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 17 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39</th><th>IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.1 0.1 0.6 1.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 2.4 0.9 2.4 1.0 1.0 1.0 1.0 0.2 1.0 0.2 1.0 0.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
RTU-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.3 2.3 - - 1.3 2.3 - - 1.13 2.3 - - 1.3 2.3 - - 1.6 2.0 - - 1.13 2.3 - - 1.0 2.3 - - 1.2 1.5 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.4 3.4 - 1.0 2.1 - -<!--</th--><th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
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1.0 -</th><th>$\begin{array}{ c c c c c c } AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.0 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.0$</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 18
20 1 20 20 1 20 20 1 30 20 1 38 20 1 38 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 38 - - 40 30 3 42 - - 44</th></th></tr> <tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 13 20 2 15 - - 13 20 2 15 - - 17 20 2 19 - - 21 20 1 27 20 1 29 20 1 31 20 1 33 20 1 35 20 1 TOTALS: LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LOAD (KVA)
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0</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 EUH-3 0.8 - 1.0 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA<!--</th--><th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0 0.0</th><th>Image: Constraint of the second stress of</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES:
CK1 LOAD (k∨A) OCP CK1 LTG CO PWR AMP POLE NO LTG O.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 1.0 20 1 12 1.1 20 1 8 0.8 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 20 1.1 20 1 20 1.1 20 1 30 1.1 20 1 34</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39</th><th>IRE: IRE: IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.6 2.0 - - 1.10 2.3 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.1 - - 1.0 2.1 - - 1.0 2.1 - -<th>LFT
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1
 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44</th></th></th></tr> <tr><th></th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 15 - 17 20 20 2 13 20 14 - 15 - 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN</th><th>IRE:
VIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
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C CO</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION ?WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA</th><th>AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0</th><th>Image: Contract of the second state of the second state</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0 4 0.2 20 1 4 4 1.0 20 1 6 4 1.1 20 1 8 20 1 10 0.2 0.2 20 1 4 4 10 10 10 14 10 10 10 10 10 10 10 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 13 12 11 13 12 12 12 12 12 12 12 12 12 12 12 <t< th=""><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 12 20 11 20 11 20 11 20 11 20 121 20 1 20 1 20 1 20 1 20 1 20 31 -</th><th>IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.0 2.9 1.3 2.0 - 1.6 2.0 - 1.6 2.0 - 1.6 2.0 - 1.2 1.5 - 1.2 2.4 - 0.6 1.8 - 1.2 2.4 - 1.2 2.4 -
 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 1.2 - 1.0 1.2 - 1.0 2.1 - 1.12 - - 1.0 2.1 - 1.9 3.8 -</th><th>LFT
LOCATION:
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
9 1.0 EUH-2
1.0 DISHWASHER
5 0.8 -
0.4 EGRESS LIGHTS</th><th>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.1 1.0 1.1 1.1 0.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42</th></t<></th></tr> <tr><th>CIRCUIT VOLTS LOAD DESCRIPTION</th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 127 20 13 20 13 20 13 20 13 20 13 20 131 20 133 20 35 20 1 33 20 1 35 20 1 1 35 20 1 1 35 20 1 1 35 20 1 1 10</th><th>IRE:
WIRE
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LOAD (KVA)
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C C C C C C C C C C C C C C C C C C C</th><th>PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR - 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA OFF SCHEDULE <</th><th>AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0</th><th>PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 1.7 0.0 0.0 0.0 1.7 0.0 0.0 0.0 <!--</th--><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 20 1 2 0.2 20 1 2 1 4 0.2 20 1 8 1 2 0.2 20 1 8 1 1 10 20 1 1 1 1 11 20 1 8 1 1 10 20 1 11 1 1 11 20 1 1 1 1 10 20 1 1 1 1 1 11 20 1 <</th><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO
AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30</th><th>IRE: </th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
-
EUH-2
-
KITCHEN ISLAND CO</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.9 1.3 2.1 1.3 2.3 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.0 2.3 1.5 1.2 1.5 1.2 2.1 1.2 1.2 2.4 3.1 1.1</th><th>LUCATION:
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10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 0.3 1.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 1.1 0.1 0.2 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.1 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 46 20 2 48 - - 50 <!--</th--></th></th></tr> <tr><th>CIRCUIT VOLTS LOAD DESCRIPTION LD 120 BLDG A & B CANOPY LTG LD 120 BLDG E & F CANOPY LTG LD 120 BLDG C & D CANOPY LTG</th><th>VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 17 20 18 - 21 20 23 - 24 20 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: LIGHT RECEPTAC REMAIN</th><th>IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LOAD (kVA)
E LTG CO P
C C C C
PANEL DIREC
PANEL DIREC
P</th><th>PANEL SIZE & TYPE: 22" W x 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA</th><th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25% OF LARG</th><th>"LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 3 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 1.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.</th><th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
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CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
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0 | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR | PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA A 0.8 0.8 1.0 1.0 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0 | Image: Control of the second state in the second state | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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S | AIC RATING:
10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 10 20 1 14 10 20 1 14 10 20 1 14 10 20 1 14 11 20 1 14 10 20 1 14 10 20 1 20 11 20 1 20 1 10 20 1 20 1 10 20 1 30 30 11 20 1 30 30 12 20 1 30 30 <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 12 1 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20
 121 20 127 20 133 20 137 20 <</th> <th>IRE: IRE: IRE:</th> <th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 2.0 2.9 1.3 2.3 1.6 2.0 1.7 2.3 1.6 2.0 1.10 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4 2.4 3.4 1.0 1.2 1.0 3.4 2.4 3.4 1.0 1.2 1.0 2.2 1.0 3.4 2.4 3.4 1.0 2.2 1.1 3.8 1.9 3.8 1.9 3.8</th> <th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -</th> <th>$\begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 11G CO PWR \\ \hline 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 0.2 \\ 1.1 0.1 \\ 0.2 0.1 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 0.1 \\ 1.0$</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 38 20 1 38 20 1 32 20 1 30 20 1 30 20 1 32 20 1 32 20 1 34 30 3 36 - - 38 - - 44</th> | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 12 1 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 127 20 133 20 137 20 < | IRE: IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
- | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 2.0 2.9 1.3 2.3 1.6 2.0 1.7 2.3 1.6 2.0 1.10 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4 2.4 3.4 1.0 1.2 1.0 3.4 2.4 3.4 1.0 1.2 1.0 2.2 1.0 3.4 2.4 3.4 1.0 2.2 1.1 3.8 1.9 3.8 1.9 3.8 | LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 - | $ \begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 11G CO PWR \\ \hline 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 0.2 \\ 1.1 0.1 \\ 0.2 0.1 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 0.1 \\ 1.0 \\
1.0 \\ 1.0$ | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 38 20 1 38 20 1 32 20 1 30 20 1 30 20 1 32 20 1 32 20 1 34 30 3 36 - - 38 - - 44 | | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 17 20 19 - 21 20 13 20 120 2 13 - 25 20 1 31 20 1 33 20 1 33 20 1 35 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO CO
C CO CO
C CO CO
C CO CO
C | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 1.0 - 1.7 EUH-1 1.7 - 1.0 - 0.6 CO FIRE E135/FIRE CON DRINKING FOUNTAIN SPARE SPARE SPARE SPARE | MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 | Image: Control of the second state in the second state | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
SPARE
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S | AIC RATING:
10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 10 20 1 20 1 20 1 20 1 20 1 10 20 1 20 1 20 1 18 20 1 20 1 20 20 1 20 1 22 20 1 20 1 28 20 1 20 1 30 20 1 20 1 34 20 1 32 20 1 34 20 1 34 20 1 < | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 17 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39 | IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.1 0.1 0.6 1.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 2.4 0.9 2.4 1.0 1.0 1.0 1.0 0.2 1.0 0.2 1.0 0.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
RTU-1 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.3 2.3 - - 1.3 2.3 - - 1.13 2.3 - - 1.3 2.3 - - 1.6 2.0 - - 1.13 2.3 - - 1.0 2.3 - - 1.2 1.5 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2
 - - 1.0 2.4 3.4 - 1.0 2.1 - - </th <th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
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LOCATION:
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LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
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9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
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4 1.0 GARBAGE DISP. F132
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4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
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0 | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 EUH-3 0.8 - 1.0 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA </th <th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8
 0.8 0.0 0.0 0.0 0.0 0.0 0.0</th> <th>Image: Constraint of the second stress of</th> <th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES:
CK1 LOAD (k∨A) OCP CK1 LTG CO PWR AMP POLE NO LTG O.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 1.0 20 1 12 1.1 20 1 8 0.8 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 20 1.1 20 1 20 1.1 20 1 30 1.1 20 1 34</th> <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39</th> <th>IRE: IRE: IRE:</th> <th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.6 2.0 - - 1.10 2.3 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.1 - - 1.0 2.1 - - 1.0 2.1 - -<th>LFT
LOCATION:
DBAR
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DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44</th></th> | AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0 0.0 | Image: Constraint of the second stress of | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
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10,000 AIC NOTES:
CK1 LOAD (k∨A) OCP CK1 LTG CO PWR AMP POLE NO LTG O.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 1.0 20 1 12 1.1 20 1 8 0.8 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 20 1.1 20 1 20 1.1 20 1 30 1.1 20 1 34 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39 | IRE: IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.6 2.0 - - 1.10 2.3 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.1 - - 1.0 2.1 - - 1.0 2.1 - - <th>LFT
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3</th> <th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44</th> | LFT
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1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
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1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
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4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
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0.8 EUH-3 | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1
 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44 | | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 15 - 17 20 20 2 13 20 14 - 15 - 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN | IRE:
VIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO P
C CO CO P
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C CO CO
C CO | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION ?WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA | AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 | Image: Contract of the second state | LOCATION:
BFEED LUGS
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CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
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10,000 AIC NOTES: LOAD (KVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0 4 0.2 20 1 4 4 1.0 20 1 6 4 1.1 20 1 8 20 1 10 0.2 0.2 20 1 4 4 10 10 10 14 10 10 10 10 10 10 10 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 13 12 11 13 12 12 12 12 12 12 12 12 12 12 12 <t< th=""><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 12 20 11 20 11 20 11 20 11 20 121 20 1 20 1 20 1 20 1 20 1 20 31 -</th><th>IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.0 2.9 1.3 2.0 - 1.6 2.0 - 1.6 2.0 - 1.6 2.0 - 1.2 1.5 - 1.2 2.4 - 0.6 1.8 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 1.2 - 1.0 1.2 - 1.0 2.1 - 1.12 - - 1.0 2.1 - 1.9 3.8 -</th><th>LFT
LOCATION:
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
9 1.0 EUH-2
1.0 DISHWASHER
5 0.8 -
0.4 EGRESS LIGHTS</th><th>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.1 1.0 1.1 1.1 0.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1
 1.1 1.1 1.1 1.1 1.1 1.0 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42</th></t<> | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 12 20 11 20 11 20 11 20 11 20 121 20 1 20 1 20 1 20 1 20 1 20 31 - | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
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RTU-1
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EUH-1
- | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.0 2.9 1.3 2.0 - 1.6 2.0 - 1.6 2.0 - 1.6 2.0 - 1.2 1.5 - 1.2 2.4 - 0.6 1.8 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 1.2 - 1.0 1.2 - 1.0 2.1 - 1.12 - - 1.0 2.1 - 1.9 3.8 - | LFT
LOCATION:
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
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1.9 -
9 1.0 EUH-2
1.0 DISHWASHER
5 0.8 -
0.4 EGRESS LIGHTS | AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.1 1.0 1.1 1.1 0.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42 | CIRCUIT VOLTS LOAD DESCRIPTION | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 127 20 13 20 13 20 13 20 13 20 13 20 131 20 133 20 35 20 1 33 20 1 35 20 1 1 35 20 1 1 35 20 1 1 35 20 1 1 10 | IRE:
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LOAD (KVA)
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C C C C C C C C C C C C C C C C C C C | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR - 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA OFF SCHEDULE < | AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 1.7 0.0 0.0 0.0 1.7 0.0 0.0 0.0 </th <th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 20 1 2 0.2 20 1 2 1 4 0.2 20 1 8 1 2 0.2 20 1 8 1 1 10 20 1 1 1 1 11 20 1 8 1 1 10 20 1 11 1 1 11 20 1 1 1 1 10 20 1 1 1 1 1 11 20 1 <</th> <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30</th> <th>IRE: </th> <th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
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ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
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RTU-1
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EUH-1
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EUH-2
-
KITCHEN ISLAND CO</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.9 1.3 2.1 1.3 2.3 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.0 2.3 1.5 1.2 1.5 1.2 2.1 1.2 1.2 2.4 3.1 1.1</th> <th>LUCATION:
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10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 0.3 1.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 1.1 0.1 0.2 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.1 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 14
 20 1 20 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 46 20 2 48 - - 50 <!--</th--></th> | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 20 1 2 0.2 20 1 2 1 4 0.2 20 1 8 1 2 0.2 20 1 8 1 1 10 20 1 1 1 1 11 20 1 8 1 1 10 20 1 11 1 1 11 20 1 1 1 1 10 20 1 1 1 1 1 11 20 1 < | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
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RTU-1
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EUH-1
-
EUH-2
-
KITCHEN ISLAND CO | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.9 1.3 2.1 1.3 2.3 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.0 2.3 1.5 1.2 1.5 1.2 2.1 1.2 1.2 2.4 3.1 1.1 | LUCATION:
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DESCRIPTION | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 0.3 1.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 1.1 0.1 0.2 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.1 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1
 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 46 20 2 48 - - 50 </th | CIRCUIT VOLTS LOAD DESCRIPTION LD 120 BLDG A & B CANOPY LTG LD 120 BLDG E & F CANOPY LTG LD 120 BLDG C & D CANOPY LTG | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 17 20 18 - 21 20 23 - 24 20 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: LIGHT RECEPTAC REMAIN | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LOAD (kVA)
E LTG CO P
C C C C
PANEL DIREC
PANEL DIREC
P | PANEL SIZE & TYPE: 22" W x 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA | AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25% OF LARG | "LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 3 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 1.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | LOCATION:
BFEED LUGS
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CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
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22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
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EUH-1
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EUH-1
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KITCHEN ISLAND CO
RTU CO'S
SPARE | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.3 - 1.6 2.0 - 1.3 2.3 - 1.6 2.0 - 1.13 2.3 - 1.3 2.3 - 1.10 2.9 - 1.12 1.5 - 1.2 1.5 - 1.2 2.4 - 1.2 2.4 - 1.12 2.4 - 0.6 1.1 - 0.9 3.3 - 1.0 3.4 - 1.0 2.4 - 1.0 1.2 - 1.0 2.1 - 1.10 2.2 - 1.9 3.8 - 1.9 3. | LUCATION:
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LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY
F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F129
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 CAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 CO LAUNDRY F127
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
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1.9 -
1.0 EUH-2
1.0 -
0.8 EUH-3
5 0.8 -
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS | AIC RATING: LOAD (kVA) LTG CO PWR 1.1 1.3 1.1 1.3 1.1 1.3 1.1 1.3 1.1 0.2 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 30 3 36 - - 38 - - 44 - - 44 - - 50 20 2 52 < |
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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 17 20 19 - 21 20 23 - 25 20 13 20 27 20 31 20 33 20 35 20 135 20 | IRE:
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0 | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR
 | PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA A 0.8 0.8 1.0 1.0 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0

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 | LOCATION:
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CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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S | AIC RATING:
10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 10 20 1 14 10 20 1 14 10 20 1 14 10 20 1 14 11 20 1 14 10 20 1 14 10 20 1 20 11 20 1 20 1 10 20 1 20 1 10 20 1 30 30 11 20 1 30 30 12 20 1 30 30 <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 12 1 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 127 20 133 20 137 20 <</th> <th>IRE: IRE: IRE:</th> <th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 2.0 2.9 1.3 2.3 1.6 2.0 1.7 2.3 1.6 2.0 1.10 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4 2.4 3.4 1.0 1.2 1.0 3.4 2.4 3.4 1.0 1.2 1.0 2.2 1.0 3.4 2.4 3.4 1.0 2.2 1.1 3.8 1.9 3.8 1.9 3.8</th> <th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -</th> <th>$\begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 11G CO PWR \\ \hline 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 0.2 \\ 1.1 0.1 \\ 0.2 0.1 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 0.1 \\ 1.0
\\ 1.0 \\ 1.0$</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 38 20 1 38 20 1 32 20 1 30 20 1 30 20 1 32 20 1 32 20 1 34 30 3 36 - - 38 - - 44</th> | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 12 1 13 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 121 20 127 20 133 20 137 20 <

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
- | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD kVA A B 2.0 2.9 1.3 2.3 1.6 2.0 1.7 2.3 1.6 2.0 1.10 2.1 1.2 1.5 1.2 2.4 0.6 1.1 0.9 3.3 1.2 2.4 0.6 1.1 0.9 3.3 1.0 3.4 2.4 3.4 1.0 1.2 1.0 3.4 2.4 3.4 1.0 1.2 1.0 2.2 1.0 3.4 2.4 3.4 1.0 2.2 1.1 3.8 1.9 3.8 1.9 3.8
 | LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 - | $ \begin{array}{ c c c c c c } \hline AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 11G CO PWR \\ \hline 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 1.3 \\ 1.4 0.2 \\ 0.2 \\ 1.1 0.1 \\ 0.2 0.1 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 0.1 \\ 0.1 0 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 0.2 \\ 1.1 0.1 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.1 0.1 \\ 1.0$
 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 38 20 1 38 20 1 32 20 1 30 20 1 30 20 1 32 20 1 32 20 1 34 30 3 36 - - 38 - - 44

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 17 20 19 - 21 20 13 20 120 2 13 - 25 20 1 31 20 1 33 20 1 33 20 1 35 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO CO
C CO CO
C CO CO
C CO CO
C | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 EUH-3 0.8 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 1.0 - 1.7 EUH-1 1.7 - 1.0 - 0.6 CO FIRE E135/FIRE CON DRINKING FOUNTAIN SPARE SPARE SPARE SPARE
 | MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0

 | Image: Control of the second state in the second state
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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S | AIC RATING:
10,000 AIC NOTES: LOAD (kVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 10 20 1 20 1 20 1 20 1 20 1 10 20 1 20 1 20 1 18 20 1 20 1 20 20 1 20 1 22 20 1 20 1 28 20 1 20 1 30 20 1 20 1 34 20 1 32 20 1 34 20 1 34 20 1 <
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 17 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39

 | IRE: 2 PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.6 1.3 1.1 0.1 0.6 1.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 0.6 1.1 0.1 0.6 2.4 0.9 2.4 1.0 1.0 1.0 1.0 0.2 1.0 0.2 1.0 0.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WASHER LAUNDRY F101
CO ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
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RTU-1 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.3 2.3 - - 1.3 2.3 - - 1.13 2.3 - - 1.3 2.3 - - 1.6 2.0 - - 1.13 2.3 - - 1.0 2.3 - - 1.2 1.5 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.4 3.4 - 1.0 2.1 - - </th <th>LF"
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.0 -
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1.0 -</th> <th>$\begin{array}{ c c c c c c } AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.0 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.0
\\ 1.0 \\ 1.0$</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 38 20 1 38 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 38 - - 40 30 3 42 - - 44</th> | LF"
LOCATION:
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LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
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1.0 - | $ \begin{array}{ c c c c c c } AIC RATING: \\ 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,000 AIC \\ \hline 10,00 \\ \hline 113 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.3 \\ 1.4 \\ 0.2 \\ 1.3 \\ 1.0 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.1 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 0.2 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.0 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.9 \\ 1.0 $ | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 38 20 1 38 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 38 - - 40 30 3 42 - - 44

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 13 20 2 15 - - 13 20 2 15 - - 17 20 2 19 - - 21 20 1 27 20 1 29 20 1 31 20 1 33 20 1 35 20 1 TOTALS: LIGHT RECEPTAC REMAIN | IRE:
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PANEL DIREC
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LOAD (KVA)
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0 | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 0.8 - 0.8 EUH-3 0.8 - 1.0 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA </th <th>AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0 0.0</th> <th>Image: Constraint of the second stress of</th> <th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V
E139
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10,000 AIC NOTES:
CK1 LOAD (k∨A) OCP CK1 LTG CO PWR AMP POLE NO LTG O.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 1.0 20 1 12 1.1 20 1 8 0.8 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 20 1.1 20 1 20 1.1 20 1 30 1.1 20 1 34</th> <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39</th> <th>IRE: IRE: IRE:</th> <th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.6 2.0 - - 1.10 2.3 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.1 - - 1.0 2.1 - - 1.0 2.1 - -<th>LFT
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44</th></th> | AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.0 0.0 0.0 0.0 0.0 0.0

 | Image: Constraint of the second stress of
 | LOCATION:
BFEED LUGS
DESCRIPTION
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CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES:
CK1 LOAD (k∨A) OCP CK1 LTG CO PWR AMP POLE NO LTG O.2 20 1 2 0.2 20 1 4 1.0 20 1 6 1.1 20 1 8 0.8 20 1 12 1.0 20 1 12 1.1 20 1 8 0.8 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 12 1.1 20 1 14 1.1 20 1 12 1.1 20 1 12 1.1 20 1 20 1.1 20 1 20 1.1 20 1 30 1.1 20 1 34
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 35 20 1 37 20 1 37 20 1 39

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 - - 1.6 2.0 - - 1.6 2.0 - - 1.10 2.3 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 2.1 - - 1.0 2.1 - - 1.0 2.1 - - <th>LFT
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3</th> <th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1
0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44</th> | LFT
LOCATION:
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DESCRIPTION
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F112
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 -
4 1.0 GARBAGE DISP. F132
1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
8 1.9 RTU-1
1.9 -
1.9 -
9 1.0 EUH-2
1.0 EUH-2
1.0 -
0.8 EUH-3 | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.1 0.4 1.1 0.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.2 1.1 0.1 1.2 0.2 1.1 0.1 1.1 0.2 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1
 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44

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| | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 15 - 17 20 20 2 13 20 14 - 15 - 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: IGHT NEC DIVERSIFIED LIGHT RECEPTAC REMAIN | IRE:
VIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LTG CO P
C CO P
C CO CO P
C CO CO CO
C CO CO
C CO CO
C CO CO
C CO CO
C CO | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION ?WR 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE SPARE SPARE ONNECTED KV/ CONNECTED AMPS % = 0 kVA % = 0 kVA % = 0 kVA % = 0 kVA
 | AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0

 | Image: Contract of the second state
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0 4 0.2 20 1 4 4 1.0 20 1 6 4 1.1 20 1 8 20 1 10 0.2 0.2 20 1 4 4 10 10 10 14 10 10 10 10 10 10 10 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 13 12 11 13 12 12 12 12 12 12 12 12 12 12 12 <t< th=""><th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 12 20 11 20 11 20 11 20 11 20 121 20 1 20 1 20 1 20 1 20 1 20 31 -</th><th>IRE:</th><th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
-</th><th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.0 2.9 1.3 2.0 - 1.6 2.0 - 1.6 2.0 - 1.6 2.0 - 1.2 1.5 - 1.2 2.4 - 0.6 1.8 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 1.2 - 1.0 1.2 - 1.0 2.1 - 1.12 - - 1.0 2.1 - 1.9 3.8 -</th><th>LFT
LOCATION:
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
9 1.0 EUH-2
1.0 DISHWASHER
5 0.8 -
0.4 EGRESS LIGHTS</th><th>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.1 1.0 1.1 1.1 0.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42</th></t<>
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 20 1 20 1 20 3 20 7 - 9 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 13 20 11 20 12 20 11 20 11 20 11 20 11 20 121 20 1 20 1 20 1 20 1 20 1 20 31 -

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-1
- | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.0 2.9 1.3 2.0 - 1.6 2.0 - 1.6 2.0 - 1.6 2.0 - 1.2 1.5 - 1.2 2.4 - 0.6 1.8 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 1.2 - 1.0 1.2 - 1.0 2.1 - 1.12 - - 1.0 2.1 - 1.9 3.8 -
 | LFT
LOCATION:
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 -
4 1.0 GARBAGE DISP. F132
2.4 -
4 1.0 DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
1.9 -
9 1.0 EUH-2
1.0 DISHWASHER
5 0.8 -
0.4 EGRESS LIGHTS | AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.2 0.1 0.2 1.1 1.1 0.1 0.2 1.1 0.1 1.0 1.1 1.1 0.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1 | NOTES: OCP CKT AMP POLE NO 30 2
 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42

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| CIRCUIT VOLTS LOAD DESCRIPTION | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 127 20 13 20 13 20 13 20 13 20 13 20 131 20 133 20 35 20 1 33 20 1 35 20 1 1 35 20 1 1 35 20 1 1 35 20 1 1 10 | IRE:
WIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LOAD (KVA)
E LTG CO P
C C C P
C C C P
C C C P
C C C C C P
C C C C C C C C C C C C C C C C C C C | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR - 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA % = 0 kVA % = 0 kVA OFF SCHEDULE <
 | AIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE KVA 0.8 0.8 1.0 1.0 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

 | PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 1.7 0.0 0.0 0.0 1.7 0.0 0.0 0.0 </th <th>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO LTG CO PWR AMP POLE NO 0.2 20 1 2 20 1 2 0.2 20 1 2 1 4 0.2 20 1 8 1 2 0.2 20 1 8 1 1 10 20 1 1 1 1 11 20 1 8 1 1 10 20 1 11 1 1 11 20 1 1 1 1 10 20 1 1 1 1 1 11 20 1 <</th> <th>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30</th> <th>IRE: </th> <th>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
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ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
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RTU-1
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EUH-1
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EUH-2
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KITCHEN ISLAND CO</th> <th>PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.9 1.3 2.1 1.3 2.3 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.0 2.3 1.5 1.2 1.5 1.2 2.1 1.2 1.2 2.4 3.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1
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10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 0.3 1.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 1.1 0.1 0.2 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.1 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0</th> <th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 46 20 2 48 - - 50 <!--</th--></th> | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
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GATHERING/LEARN E136
CO A/V E139
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 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
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ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
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GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
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RTU-1
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EUH-1
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EUH-2
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KITCHEN ISLAND CO
 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD KVA A B C 1.9 2.8 2.9 1.3 2.1 1.3 2.3 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.6 2.0 2.9 1.3 2.1 1.3 2.1 1.0 2.3 1.5 1.2 1.5 1.2 2.1 1.2 1.2 2.4 3.1 1.1 |
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10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.1 1.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 0.2 1.1 0.1 0.2 0.1 0.3 1.1 0.1 1.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 1.1 0.1 0.2 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.1 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 46 20 2 48 - - 50 </th

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| CIRCUIT VOLTS LOAD DESCRIPTION LD 120 BLDG A & B CANOPY LTG LD 120 BLDG E & F CANOPY LTG LD 120 BLDG C & D CANOPY LTG | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 24 20 17 20 18 - 21 20 23 - 24 20 17 20 23 - 25 20 1 31 20 1 33 20 1 33 20 1 TOTALS: LIGHT RECEPTAC REMAIN | IRE:
WIRE
PANEL DIREC
LOAD (kVA)
E LTG CO P
LOAD (kVA)
E LTG CO P
C C C C
PANEL DIREC
PANEL DIREC
P | PANEL SIZE & TYPE: 22" W x 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ CONNECTED AMPS % % = 0 kVA
 | AIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25% OF LARG

 | "LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 3 0.0 3 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 1.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
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CO A/V E139
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| CIRCUIT VOLTS LOAD DESCRIPTION
LD 120 BLDG A & B CANOPY LTG
LD 120 BLDG E & F CANOPY LTG
LD 120 BLDG E & F CANOPY LTG
LD 120 BLDG C & D CANOPY LTG
LD 120 BLDG C & D CANOPY LTG
LD 120 BLDG C & D CANOPY LTG
LD 120 SPARE | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 23 - 25 20 13 20 23 - 25 20 131 20 133 20 35 20 135 20 135 20 1 33 20 1 RECEPTAC REMAIN | IRE:
WIRE
PANEL DIREC
PANEL DIREC
LOAD (kVA)
E LTG CO P
LOAD (kVA)
E LTG CO P
C C C C
C C C
C C C
PANEL DIREC
N
PANEL DIREC
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PANEL DIREC
PANEL D | PANEL SIZE & TYPE: 22" W × 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR 0.8 EUH-3 0.8 EUH-2 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 EUH-1 1.7 EUH-2 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 EUH-1 1.7 - 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED KV/ CONNECTED KV/ 0 KVA % = 0 KVA % = 0 KVA Ø 0
 | PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25% OF LARG 0<

 | PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 0.8 0.0 3 0.0 3 0.0 1.7 0.0 0 0.0 1.0 0.0 0 0.0 0.0 0.0
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 20 1 2 1 4 1.0 20 1 2 1 4 1.1 20 1 8 20 1 10 1.1 20 1 12 1 12 1 12 1.1 20 1 12 1 12 1 12 1.1 20 1 12 1 12 1 12 1.1 20 1 12 20 1 12 1.1 20 1 16 20 1 16 1.1 20 1 20 1 20 1 20 1.1 20 1 20 1 30 30 30 30 30 30 30 30 30<
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 37 20 1 39 30

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WH/PUMP/FIRE COMP.
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
-
EUH-1
-
EUH-1
-
KITCHEN ISLAND CO
RTU CO'S
SPARE
SPARE
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SPARE | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL LCL PHASE LOAD KVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.2 - 1.3 2.3 - 1.6 2.0 - 1.6
 2.0 - 1.2 1.5 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.0 3.4 - 1.0 3.4 - 1.0 2.1 - 1.0 3.4 - 1.0 2.1 - 1.10 2.1 - 1.10 3.8 - 1.9 3.8 | LFT
LOCATION:
DBAR
LOCATION:
DBAR
LCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 RANGE F132
2.4 COLAUNDER F132
2.4 COLAUNDRY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COLAUNDER F132
2.4 COLAUNDRY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COLAUNDER F132
2.4 COLAUNDRY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COLAUNDER F132
2.4 COLAUNDRY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COLAUNDRY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COLAUNDRY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
1.0 COLAUNDRY F131
1.1 COLAUNDRY F131
1.1 COLAUNDRY F131
1.1 COLAUNDRY F131
1.1 COLAUNDRY F132
0.4 EGRESS LIGHTS
1.7 CU-1/DSS-1
1.1 1.7 -
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
0 0.0 SPARE
0.0 SPARE | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.3 1.3 1.4 0.2 1.4 0.2 1.4 0.2 1.1 1.1 1.1 0.1 1.1 0.1 0.4 1.1 0.4 0.2 1.1 0.1 0.2 0.1 0.4 1.1 1.1 0.1 0.2 0.1 0.3 1.1 1.1 1.1 0.2 1.1 0.3 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.0 1.9 1.1 1.9 1.1 1.0 1.1 1.9 1.9 1.9 1.9
1.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 0.8 0.3 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 14 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 50 <

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| CIRCUIT VOLTS LOAD DESCRIPTION
LD 120 BLDG A & B CANOPY LTG
LD 120 BLDG C & D CANOPY LTG
LD 120 SPARE | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 13 20 14 - 15 - 17 20 19 - 21 20 17 20 19 - 21 20 13 20 13 20 13 20 13 20 33 20 133 20 35 20 1 35 NEC DIVERSIFIED LIGHT RECEPTAC REMAIN | IRE:
VIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LOAD (KVA)
E LTG CO P
C C C C
C C C C | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND WR 0.8 0.8 1.0 EUH-3 0.8 1.0 20.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 EUH-2 1.0 EUH-1 1.7 EUH-1 1.7 EUH-2 1.0 EUH-2 1.0 EUH-2 1.0 FUPL2 1.0 CONRECTED KWA CONNECTED KWA CONNECTED KWA % = O KVA % = OKVA % = OFF
 | Imain Size & Type 100 AMP MAIN LI DING BAR, INSULATED GR LCL PHASE KVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

 | "LE2" PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 2.0 1.0 2.0 1.0 3 0.0 3 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 1.7 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 20 1 2 0.1 4 1.0 20 1 6 1.1 10 1.1 20 1 12 10 12 0.8 20 1 12 11 12 1.1 20 1 12 12 12 1.1 20 1 12 12 12 12 1.1 20 1 12 20 1 12 1.1 20 1 16 20 1 14 1.1 20 1 20 1 20 1 20 1.1 20 1 20 1 20 1 28 20 1 30 1.1 20 1 30 20 1 36
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 37 20 1 39 30

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F107
WH/PUMP/FIRE COMP.
ROOM F110
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
-
RTU-1
-
EUH-2
-
KITCHEN ISLAND CO
RTU CO'S
SPARE
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 | PANEL " MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 2.9 - 1.3 2.3 - - 1.6 2.0 2.9 - 1.13 2.3 - - 1.6 2.0 - - 1.12 1.5 - - 1.2 2.4 - - 1.2 2.4 - - 1.12 2.4 3.4 - 1.0 3.4 - - 1.0 1.2 - - 1.0 3.8 - - 1.0 1.2 - - 1.10 1.3 - - 1.9 3.8 - - <td< th=""><th>LOCATION:
DBAR
LOCATION:
DBAR
LLCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3</th><th>AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.TG CO PWR 1.1 1.3 1.3 1.1 1.1 0.2 1.1 0.1 1.1 1.1 0.1 0.1 1.1 0.1 0.1 0.9 0.2 0.1 0.1 0.2 0.1 1.1 0.1 0.1 0.2 0.1 0.1 0.3 1.1 0.1 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.2 1.0 1.1 0.1 1.0 1.1 0.2 1.9 1.1 1.9 1.9 1.1 1.0 1.0 1.1 1.0 1.0 1.1</th><th>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 50 20 2 58 <</th></td<> | LOCATION:
DBAR
LOCATION:
DBAR
LLCL DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3
 | AIC RATING:
10,000 AIC LOAD (kVA) LTG CO PWR 1.TG CO PWR 1.1 1.3 1.3 1.1 1.1 0.2 1.1 0.1 1.1 1.1 0.1 0.1 1.1 0.1 0.1 0.9 0.2 0.1 0.1 0.2 0.1 1.1 0.1 0.1 0.2 0.1 0.1 0.3 1.1 0.1 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.2 1.0 1.1 0.1 1.0 1.1 0.2 1.9 1.1 1.9 1.9 1.1 1.0 1.0 1.1 1.0 1.0 1.1 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 30 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 50 20 2 58 <

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| CIRCUIT VOLTS LOAD DESCRIPTION
LD 120 BLDG A & B CANOPY LTG
LD 120 BLDG E & F CANOPY LTG
LD 120 BLDG E & F CANOPY LTG
LD 120 BLDG C & D CANOPY LTG
LD 120 BLDG C & D CANOPY LTG
LD 120 PARKING LOT LIGHTING
LD 120 PARKING LOT LIGHTING
120 SPARE
120 SPARE
HOURS PER SCHEDULE (EXAMPLE SCHEDULE 1: ON AT 6:00 AM / OFF AT 8:
1: LIGHTS ON 7:00 AM / LIGHTS OFF 9:00 PM/MONDAY - FRIDAY EXCLUDING 1 | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 13 20 2 15 - - 13 20 2 15 - - 17 20 2 19 - - 21 20 1 27 20 1 29 20 1 31 20 1 33 20 1 33 20 1 TOTALS: LIGHT RECEPTAC REMAIN | IRE:
VIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LOAD (KVA)
E LTG CO P
C C C C C C C C C C C C C C C C C C C | PANEL SIZE & TYPE: 22" W x 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR
 | Imain Size & Type 100 AMP MAIN LI DING BAR, INSULATED GF LCL PHASE kVA A 0.8 1.0 0.8 1.0 1.0 2.1 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

 | Image: constraint of the second state of the second sta
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CKT LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 20 1 2 1 2 4 1.0 20 1 8 20 1 10 1.1 20 1 8 20 1 10 1.1 20 1 11 10 10 11 1.1 20 1 11 10 11 12 1.1 20 1 11 11 10 11 12 1.1 20 1 11
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 25 20 1 27 20 1 29 50 2 31 - - 33 20 1 37 20 1 39 30 3 41 - -

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
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GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
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CONNECTED KVA PEF | PANEL MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD KVA A B C 1.9
2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 2.9 - 1.3 2.3 - - 1.6 2.0 2.1 - 1.6 2.0 2.1 - 1.2 1.5 - - 1.2 1.8 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 1.2 - - 1.0 3.8 - - 1.9 3.8 - - 1.9 3.8 - - 1.9 2.9 - - 1.9 2 | LICE LOCATION:
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10,000 AIC LTG CO LTG CO LTG CO 1.3 1.3 1.4 0.2 1.4 0.2 1.1 0.1 1.1 0.1 1.1 0.1 1.1 0.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.5 0.2 0.6 1.1 1.0 1.0 0.2 1.1 0.4 1.0 1.0 1.0 0.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.1 1.0<
 | NOTES: CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 30 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 30 3 42 - - 40 30 3 42 - - 50 20 2 52 - - 50

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| CIRCUIT VOLTS LOAD DESCRIPTION
LD 120 BLDG A & B CANOPY LTG
LD 120 BLDG A & B CANOPY LTG
LD 120 BLDG E & F CANOPY LTG
LD 120 BLDG E & F CANOPY LTG
LD 120 BLDG E & D CANOPY LTG
LD 120 BLDG E & D CANOPY LTG
LD 120 SPARE
120 S | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 13 20 2 15 - - 17 20 2 15 - - 17 20 2 19 - - 21 20 1 27 20 1 29 20 1 31 20 1 33 20 1 33 20 1 TOTALS: IIGHT RECEPTAC REMAIN | IRE:
VIRE
PANEL DIREC
LOAD (KVA)
E LTG CO P
LTG CO P
LOAD (KVA)
E LTG CO P
C C C C C C C C C C C C C C C C C C C | PANEL SIZE & TYPE: 22" W x 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND WR 0.8 EUH-3 0.8 EUH-2 1.0 EUH-3 0.8 EUH-1 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 FUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE SPARE SPARE ONNECTED AMPS % % = 0 kVA EPC <
 | MAIN SIZE & TYP 100 AMP MAIN LI DING BAR, INSULATED GR LCL PHASE kVA A 0.8 1.0 0.8 1.0 1.0 1.0 0.8 1.0 0.8 1.0 1.0 2.1 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 </td <td>Image: constraint of the second state of the second sta</td> <td>LOCATION:
BFEED LUGS
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22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F107
WH/PUMP/FIRE COMP.
ROOM F117
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN SLAND CO
RTU-1
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KITCHEN ISLAND CO
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LOCATION:
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LOCATION:
DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COMMETIS
1.0 DISHWASHER F132
2.4 CA
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
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1.9
9 1.0 EUH-2
1.0 DEUH-2
1.0
0.8 EUH-3
5 0.8
0.4 EGRESS LIGHTS
1.7 CU-1/DSS-1
1 1.7
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
0 0.0 SPARE
0.0 S</td><td>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.TG CO PWR 1.TG CO PWR 1.TG CO PWR 1.1 1.3 1.3 1.1 1.3 1.3 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 0.2 0.1 0.2 1.1 0.1 1.0 1.1 0.1 1.1 0.2 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.2 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1</td><td>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1
 14 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 30 3 36 - - 38 - - 44 - - 50 20 2 52 - - 50 20 2 58 - - 60 </td></t<></td></t<></td>

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 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
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22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
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LIGHTING
DRYER LAUNDRY F101
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ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F107
WH/PUMP/FIRE COMP.
ROOM F117
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
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GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN SLAND CO
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DESCRIPTION
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9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COMMETIS
1.0 DISHWASHER F132
2.4 CA
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
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9 1.0 EUH-2
1.0 DEUH-2
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0.8 EUH-3
5 0.8
0.4 EGRESS LIGHTS
1.7 CU-1/DSS-1
1 1.7
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
0 0.0 SPARE
0.0 S</td><td>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.TG CO PWR 1.TG CO PWR 1.TG CO PWR 1.1 1.3 1.3 1.1 1.3 1.3 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 0.2 0.1 0.2 1.1 0.1 1.0 1.1 0.1 1.1 0.2 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.2 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1</td><td>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1
 30 20 1 30 30 3 36 - - 38 - - 44 - - 50 20 2 52 - - 50 20 2 58 - - 60 </td></t<></td></t<> | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 37 20 1 37 20 1 37 20 1 37 20 1 39 30 3 41 -

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
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ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F107
WH/PUMP/FIRE COMP.
ROOM F117
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN SLAND CO
RTU-1
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KITCHEN ISLAND CO
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SPAR | PANEL MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUND LCL PHASE LOAD kVA A B C 1.9 2.8 - - 2.0 2.9 - - 1.3 2.3 - - 1.6 2.0 2.9 - 1.3 2.3 - - 1.6 2.0 2.1 - 1.6 2.0 2.1 - 1.12 1.5 - - 1.2 1.8 - - 1.2 2.4 - - 1.2 2.4 - - 1.0 3.4 - - 1.0 1.2 - - 1.0 1.2 - - 1.0 3.4 - - 1.10 1.2 - - 1.10 1.2 - - 1.9 3.8 - - 1.9 <t< td=""><td>LIFT LOCATION:
LOCATION:
LOCATION:
DBAR
LOCATION:
DBAR
LOCATION:
DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COMMETIS
1.0 DISHWASHER F132
2.4 CA
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9
1.9
1.9
1.9
1.9
1.9
1.9
9 1.0 EUH-2
1.0 DEUH-2
1.0
0.8 EUH-3
5 0.8
0.4 EGRESS LIGHTS
1.7 CU-1/DSS-1
1 1.7
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
0 0.0 SPARE
0.0 S</td><td>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.TG CO PWR 1.TG CO PWR 1.TG CO PWR 1.1 1.3 1.3 1.1 1.3 1.3 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 0.2 0.1 0.2 1.1 0.1 1.0 1.1 0.1 1.1 0.2 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.2 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1</td><td>NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 30 3 36 - - 38 - - 44 - - 50 20 2 52 - - 50 20 2 58 - - 60 </td></t<>
 | LIFT LOCATION:
LOCATION:
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LOCATION:
DESCRIPTION
KVA
1.3 DRYER LAUNDRY F127
1.3
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F118
6 1.0 REFRIGERATOR F132
2.4 COMMETIS
1.0 DISHWASHER F132
2.4 CA
4 1.0 GARBAGE DISP. F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9
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9 1.0 EUH-2
1.0 DEUH-2
1.0
0.8 EUH-3
5 0.8
0.4 EGRESS LIGHTS
1.7 CU-1/DSS-1
1 1.7
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
0 0.0 SPARE
0.0 S | AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.TG CO PWR 1.TG CO PWR 1.TG CO PWR 1.1 1.3 1.3 1.1 1.3 1.3 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 0.2 0.1 0.2 1.1 0.1 1.0 1.1 0.1 1.1 0.2 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.1 1.0 1.1 0.2 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 1.0 1.0 1.1 | NOTES: OCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 14 20 1 14 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 30 3 36 - - 38 - - 44 - - 50 20 2 52 - - 50 20 2 58 - - 60

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| VOLTS LOAD DESCRIPTION LD 120 BLDG A & B CANOPY LTG LD 120 BLDG A & B CANOPY LTG LD 120 BLDG E & F CANOPY LTG LD 120 BLDG C & D CANOPY LTG LD 120 BLDG C & D CANOPY LTG LD 120 BLDG C & D CANOPY LTG LD 120 SPARE 120 SPARE 120 120 SPARE 120 SPARE 120 SPARE 120 SPARE 120 120 SPARE 120 120 SPARE 120 120 SPARE 120 | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 3 - 5 20 7 - 9 20 11 - 9 20 11 - 13 20 15 - 17 20 19 - 21 20 127 20 13 20 127 20 131 20 133 20 131 20 133 20 131 20 35 20 135 20 1 35 NEC DIVERSIFIED LIGHT RECEPTAC REMAIN | IRE:
WIRE
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LOAD (KVA)
E LTG CO P
LOAD (KVA)
E LTG CO P
C C C C C C C C C C C C C C C C C C C | PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR - 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 EUH-3 0.8 EUH-3 0.8 - 1.0 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 - 1.7 - 1.0 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.6 CO FIRE E135/FIRE COM DRINKING FOUNTAIN SPARE SPARE SPARE CONNECTED AWP ATIONS - % = 0 kVA % = 0 kVA
 | PANEL MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GR LCL PHASE KVA A 0.8 1.0 0.8 1.0 0.8 1.0 1.0 2.1 0.8 1.6 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25% OF LARG D

 | PE: UGS ROUND BAR, SU LOAD LCL C kVA 0.2 0.2 2.0 1.0 2.0 1.0 2.0 1.0 3 0.0 0.8 0.0 0.1.1 0.0 3 0.0 1.7 0.0 0 0.0 1.0 0.0 0.0
 | LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING E140
GATHERING/LEARN E136
CO A/V E139
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10,000 AIC NOTES: LOAD (KVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 4 0.2 20 1 2 1 4 0.1 0.2 20 1 4 1.0 20 1 6 1.1 20 1 10 0.8 20 1 11 20 1 12 1 14 0.8 20 1 12 1 120 1 20 1 12 20 1 14 1 1 20 1 20 1 20 1 1 20 1 30 20 1 30 1 1 20 1 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30<
 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLI 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 15 20 1 17 20 1 19 20 1 21 20 1 23 20 1 24 20 1 25 20 1 27 20 1 27 20 1 33 20 1 37 20 1 37 20 1 37 20 1 39 30 3 41 - - <td< td=""><td>IRE: </td><td>PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
-
EUH-1
-
EUH-1
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KITCHEN ISLAND CO
RTU CO'S
SPARE
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CONNECTED KVA PEF
CONNECTED AMPS PEF
IS
4 kVA
10 kVA
5 kVA</td><td>PANEL MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.3 - 1.3 2.3 - 1.3 2.3 - 1.13 2.3 - 1.3 2.3 - 1.13 2.1 - 1.13 2.3 - 1.13 2.1 - 1.13 2.3 - 1.12 1.5 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.10 1.2 - 1.10 1.2 - 1.10 1.2 - 1.10 1.2 - 1.10 2.1 - 1.10 2.1 - 1.10 1.3 - 1.19 3.8</td><td>LF" 3 LOCATION: LOCATION: DBAR LOCATION: LCL DESCRIPTION 1.3 DRYER LAUNDRY F127 1.3 - 9 1.6 ROOMS F125,F126 1.0 WASHER LAUNDRY F127 0.4 CO LAUNDRY F127 0.4 CO LAUNDRY F127 0.4 CO LAUNDRY F127 0.3 CO/EF-1 CUST. F124 1 0.9 CO DINING F130 0.6 CO FAMILY F131 1.2 ROOM F118 6 1.0 REFRIGERATOR F132 2.4 RANGE F132 2.4 RANGE F132 1.0 DISHWASHER F132 0.2 KITCHEN CO F132 9 1.9 1.9 - 1.9 - 1.9 - 1.9 - 1.9 - 1.9 - 1.9 - 1.0 - 0.8 EUH-3 5 0.8</td><td>AIC RATING:
10,000 AIC LOAD (KVA) LTG CO
 PWR 1.17 0.9 1.3 1.1 1.1 0.2 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.0 1.1 0.1 1.0 1.1 1.0 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1 1.1 1.0 1.1 1.1 1.0 1.1</td><td>NOTES: CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 14 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 44 - - 50 20 2 58 - - 60 20 1 66 20 1 66</td></td<>

 | IRE: | PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103,F104
WASHER LAUNDRY F101
CO ROOMS F101,F102
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
CO KITCHEN F115
RTU-1
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KITCHEN ISLAND CO
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CONNECTED KVA PEF
CONNECTED AMPS PEF
IS
4 kVA
10 kVA
5 kVA
 | PANEL MAIN SIZE & TYPE: 225 AMP MAIN CB BAR, INSULATED GROUNE LCL PHASE LOAD kVA A B C 1.9 2.8 - 2.0 2.9 - 1.3 2.3 - 1.3 2.3 - 1.3 2.3 - 1.13 2.3 - 1.3 2.3 - 1.13 2.1 - 1.13 2.3 - 1.13 2.1 - 1.13 2.3 - 1.12 1.5 - 1.2 2.4 - 1.2 2.4 - 1.0 3.4 - 1.10 1.2 - 1.10 1.2 - 1.10 1.2 - 1.10 1.2 - 1.10 2.1 - 1.10 2.1 - 1.10 1.3 - 1.19 3.8 | LF" 3 LOCATION: LOCATION: DBAR LOCATION: LCL DESCRIPTION 1.3 DRYER LAUNDRY F127 1.3 - 9 1.6 ROOMS F125,F126 1.0 WASHER LAUNDRY F127 0.4 CO LAUNDRY F127 0.4 CO LAUNDRY F127 0.4 CO LAUNDRY F127 0.3 CO/EF-1 CUST. F124 1 0.9 CO DINING F130 0.6 CO FAMILY F131 1.2 ROOM F118 6 1.0 REFRIGERATOR F132 2.4 RANGE F132 2.4 RANGE F132 1.0 DISHWASHER F132 0.2 KITCHEN CO F132 9 1.9 1.9 - 1.9 - 1.9 - 1.9 - 1.9 - 1.9 - 1.9 - 1.0 - 0.8 EUH-3 5 0.8
 | AIC RATING:
10,000 AIC LOAD (KVA) LTG CO PWR 1.17 0.9 1.3 1.1 1.1 0.2 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.1 1.1 0.1 1.0 1.1 0.1 1.0 1.1 1.0 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.1 1.1 1.0 1.1 1.1 1.0 1.1 | NOTES: CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 10 20 1 10 20 1 14 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 32 20 1 34 30 3 36 - - 40 30 3 42 - - 44 - - 44 - - 44 - - 50 20 2 58 - - 60 20 1 66 20 1 66

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| VOLTS LOAD DESCRIPTION LD 120 BLDG A & B CANOPY LTG LD 120 BLDG A & B CANOPY LTG LD 120 BLDG E & F CANOPY LTG LD 120 BLDG C & D CANOPY LTG LD 120 BLDG C & D CANOPY LTG LD 120 PARKING LOT LIGHTING 120 SPARE 120 SPARE 120 SPARE 120 SPARE 120 SPARE 120 SPARE 120 SPARE 120 SUGHTS ON 7:00 AM / LIGHTS OFF 9:00 PM/MONDAY - FRIDAY EXCLUDING J 121 SLIGHTS ON 7:00 AM / LIGHTS OFF 11:00 PM MONDAY - FRIDAY EXCLUDING J 121 LIGHTS ON 7:00 AM / LIGHTS OFF 11:00 PM SUGHTS ON 7:00 AM / LIGHTS OFF 11:00 PM SLIGHTS ON 7:00 AM / LIGHTS OFF 11:00 PM SUGHTS ON 7:00 AM / LIGHTS OFF 10:00 PM SLIGHTS ON 7:00 AM / LIGHTS OFF 11:00 PM SUGHTS ON 7:00 AM / LIGHTS OFF 10:00 PM SLIGHT S ON 7:00 AM / LIGHTS OFF 10:00 PM SUGHTS OFF 10:00 PM SLIGHT S ON 7:00 AM / LIGHTS OFF 10:00 PM SUGHTS OFF 10:00 PM SLIGHT S ON 7:00 AM / LIGHTS OFF 10:00 PM | VOLTS/PHASE/WI 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP POLE 1 20 2 3 - - 5 20 2 7 - - 9 20 2 11 - - 9 20 2 11 - - 13 20 2 15 - - 17 20 2 19 - - 21 20 1 27 20 1 29 20 1 33 20 1 33 20 1 33 20 1 TOTALS: LIGHT NEC DIVERSIFIED LIGHT REMAIN O 0 O 100 PM) - UP TO 6 SC O 101DAYS HOLIDAYS 3 HOLIDAYS O OFF AFTER 30 MIN | IRE:
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PANEL DIREC
LOAD (KVA)
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LOAD (KVA)
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C C C C C C C C C C C C C C C C C C C | PANEL SIZE & TYPE: 22" W × 6" D. BOLT-ON TORY, IDENTIFICATION, GROUND) DESCRIPTION WR - 0.8 EUH-3 0.8 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 EUH-2 1.0 - 0.8 EUH-3 0.8 - 1.7 EUH-1 1.7 - 1.0 - 0.8 DENKING FOUNTAIN SPARE SPARE CONNECTED AW/2 CONNECTED AMPS % = 0 kVA OL PANEL SCHEDULE EPC EPC EPC EPC EPC
 | MAIN SIZE & TYP 100 AMP MAIN L DING BAR, INSULATED GR LCL PHASE kVA A 0.8 1.0 0.8 1.0 0.8 1.0 0.8 1.0 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 <td>Image: Contract of the second state of the second state</td> <td>LOCATION:
BFEED LUGS
DESCRIPTION
CO SERVING E140
CO SERVING
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REFRIGERATOR E140
GATHERING/LEARN E136
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10,000 AIC NOTES: LOAD (kVA) OCP CK1 LTG CO PWR AMP POLE NO 0.2 20 1 2 0.2 20 1 2 0.2 200 1 4 10 20 1 6 1.1 20 1 8 20 1 10 10 200 1 12 1 12 10 200 1 11 12 1 11 11 200 1 12 1 11 12 11 200 1 12 1 12 1 12 11 200 1 12 20 1 12 1 12 11 10 200 1 12 20 1 12 1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 18 20 1 19 20 1 121 20 1 23 20 1 24 20 1 25 20 1 27 20 1 33 20 1 35 20 1 37 20 1 37 20 1 37 20 1 37 20 2 53 - - 59 20 <</td> <td>IRE: Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2" PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 Image: Colspan="2">Image: Colspan="2">PWR 1.5 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY E LTG CO PWR 1.5 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY E LTG CO PWR 1.5 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2" I.10 Image: Colspan="2">Image: Colspan="2" I.11 Image: Colspan="2">Image: Colspan="2" I.11 Image: Colspan="2" Image: Colspan="2" I.10 Image: Colspan="2" Image: Colspan="2" I.11 Image: Colspan= 2" Image: Colspan="2"</td> <td>PANEL SIZE & TYPE:
22" W × 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
LIGHTING
LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103, F104
WASHER LAUNDRY F101
CO ROOMS F101, F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
RTU-1
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EUH-1
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LOCATION:
DBAR
(LOCATION:
DESCRIPTION
LCL DESCRIPTION
C kVA
1.3 DRYER LAUNDRY F127
1.3 -
9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F122
0.3 CO/EF-1 CUST. F124
1 0.9 CO DINING F130
0.6 CO FAMILY F131
1.2 ROOM F132
2.4 RANGE F132
2.4 RANGE F132
2.4 RANGE F132
2.4 COM F118
6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 COM F118
6 1.0
DISHWASHER F132
0.2 KITCHEN CO F132
9 1.9 RTU-1
1.9 -
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1.9 -
1.0 EUH-2
1.0 -
0.8 EUH-3
5 0.8 -
0.4 EGRESS LIGHTS
1.7 CU-1/DSS-1
1.1 1.7 -
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
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10,000 AIC LOAD (KVA) LTG CO PWR 1.1 1.3 1.2 1.3 1.4 0.2 1.0 1.4 1.1 0.1 1.1 0.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 1.1 0.1 1.1 0.2 1.1 0.1 1.0 1.0 1.1 0.1 1.0 1.0 1.0 1.0 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1</td> <td>NOTES: OCCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42 - - 48 - - 50 20 2 58 - - 60 20 1 66</td>

 | Image: Contract of the second state
 | LOCATION:
BFEED LUGS
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CO SERVING E140
REFRIGERATOR E140
GATHERING/LEARN E136
CO A/V E139
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 | VOLTS/PHASE/W 120/208 V, 3 PH 4 ACCESSORIES: CKT OCP NO AMP 1 20 1 3 20 1 5 30 2 7 - - 9 20 1 11 20 1 13 20 1 11 20 1 13 20 1 17 20 1 18 20 1 19 20 1 121 20 1 23 20 1 24 20 1 25 20 1 27 20 1 33 20 1 35 20 1 37 20 1 37 20 1 37 20 1 37 20 2 53 - - 59 20 <

 | IRE: Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2" PANEL DIRECTORY LOAD (kVA) E LTG CO PWR 1.5 Image: Colspan="2">Image: Colspan="2">PWR 1.5 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY E LTG CO PWR 1.5 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY E LTG CO PWR 1.5 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">PMNEL DIRECTORY I.16 Image: Colspan="2">Image: Colspan="2" I.10 Image: Colspan="2">Image: Colspan="2" I.11 Image: Colspan="2">Image: Colspan="2" I.11 Image: Colspan="2" Image: Colspan="2" I.10 Image: Colspan="2" Image: Colspan="2" I.11 Image: Colspan= 2" Image: Colspan="2" | PANEL SIZE & TYPE:
22" W × 6" D, BOLT-ON
, IDENTIFICATION, GROUNDING E
DESCRIPTION
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LIGHTING
LIGHTING
DRYER LAUNDRY F101
-
ROOMS F103, F104
WASHER LAUNDRY F101
CO ROOMS F101, F102
ROOM F110
ROOM F110
ROOM F110
ROOM F117
WH/PUMP/FIRE COMP.
ROOM F111
CO DINING F113
CO FAMILY F114
REFRIGERATOR F115
RANGE F115
-
GARBAGE DISP. F115
DISHWASHER F115
CO KITCHEN F115
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 | LF" (1) (3)
LOCATION:
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(LOCATION:
DESCRIPTION
LCL DESCRIPTION
C kVA
1.3 DRYER LAUNDRY F127
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9 1.6 ROOMS F125,F126
1.0 WASHER LAUNDRY F127
0.4 CO LAUNDRY F127
0.4 CO LAUNDRY F127
2 1.2 ROOM F119
1.2 ROOM F122
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1 0.9 CO DINING F130
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1.2 ROOM F132
2.4 RANGE F132
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6 1.0 REFRIGERATOR F132
2.4 RANGE F132
2.4 COM F118
6 1.0 DISHWASHER F132
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9 1.9 RTU-1
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1.0 EUH-2
1.0 -
0.8 EUH-3
5 0.8 -
0.4 EGRESS LIGHTS
1.7 CU-1/DSS-1
1.1 1.7 -
0.4 KITCHEN ISLAND CO
1.0 SMOKE DETECTORS
0 0.0 SPARE
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10,000 AIC LOAD (KVA) LTG CO PWR 1.1 1.3 1.2 1.3 1.4 0.2 1.0 1.4 1.1 0.1 1.1 0.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.4 1.1 0.2 0.1 0.2 0.1 0.1 1.1 0.2 1.1 0.1 1.1 0.2 1.1 0.1 1.0 1.0 1.1 0.1 1.0 1.0 1.0 1.0 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 | NOTES:
 OCCP CKT AMP POLE NO 30 2 2 - - 4 20 1 6 20 1 8 20 1 10 20 1 12 20 1 14 20 1 18 20 1 20 20 1 20 20 1 20 20 1 20 20 1 30 20 1 30 20 1 30 20 1 30 20 1 30 20 1 34 30 3 36 - - 40 30 3 42 - - 48 - - 50 20 2 58 - - 60 20 1 66

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BH = BUSINESS HOURS PER SCHEDULE (EXAMPLE SCHEDULE 1: ON AT 6:00 AM / OFF A SCHEDULE BH-1: LIGHTS ON 7:00 AM / LIGHTS OFF 9:00 PM/MONDAY - FRIDAY EXCLUDI SCHEDULE BH-2: LIGHTS ON 7:00 AM / LIGHTS OFF 10:00 PM / MONDAY - FRIDAY EXCLUE SCHEDULE BH-3: LIGHTS ON 7:00 AM/LIGHTS OFF 11:PM / 7 DAYS/WEEK SCHEDULE BH-4: ON CONTROL BY EPC / OFF 11:00 PM SCHEDULE BH-5: LIGHT ON 7:00 AM CONTROLLED BY IPC OFF 7:00 PM SCHEDULE BH-6: NOT USED EPC = EXTERIOR PHOTO CELL

IPC(XXX) = INTERIOR PHOTO CELL. PROVIDE DIMMING CONTROL

CIRCUIT

LC - OVERRIDE CONTROL WALL SWITCH CONTROL; PUSH ON TURNS CIRCUIT ON FOR A

LX

RELAY

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	Donald L. Welch Architect 7533 Sandy Land Lane Midvale, Utah 84047 801.548-6391 dwelch5977®msn.com
	THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, SRAPHIC REPRESENTATION & MODELS HEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH NRCHITECT THESE DRAWINGS ARE AVAILABLE FOR IMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL NLY IN ACCORDANCE WITH THIS NOTICE.
#22081850130000	consultant: PROFESSION No. 185978 PETER E. JOHANSEN PETER E. JOHANSEN PETER E. JOHANSEN Tenant Finish for Now
	TOF NEW
) East PARCEL	Brighton Recovery Campus 4905, 491, 4915, 4925, 4931, & 4953 South 900 East Salt Lake County, Utah
1953 South 900 East PARCEL	Brighton Recovery Campus 4905, 491, 4915, 4925, 4931, & 4953 South 900 East Salt Lake County, Utat Salt Lake County, Utat date January 04, 2017 ERMIT SET–December 28, 2016 ADDENDUM #2–January 06, 2017 ADDENDUM #3–January 11, 2017 ADDENDUM #3–January 17, 2017 ADDENDUM #5–January 19, 2017 ADDENDUM #5–January 19, 2017 ADDENDUM #5–January 19, 2017 ADDENDUM #7–February 24, 2017 ADDENDUM #7–February 24, 2017 ADDENDUM #8–March 20, 2017
UILDING 'F' 4953 South 900 East PARCEL	Brighton Recovery Campus 4905, 491, 4915, 4925, 4931, & 4953 South 900 East Salt Lake County, Utak date January 04, 2017 revisions PERMIT SET-December 28, 2016 ADDENDUM #2-January 06, 2017 ADDENDUM #3-January 11, 2017 ADDENDUM #4-January 17, 2017 ADDENDUM #5-January 19, 2017 ADDENDUM #5-January 19, 2017 ADDENDUM #7-February 24, 2017 ADDENDUM #8-March 20, 2017 data project no: drawn by: thecked by: title PANEL SCHEDULES Sheet

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	GENERAL SHEET NOTES		h ane)47 om
	1. PHOTOCELLS SHALL BE SET TO 30FC.		Welc Welc tect an 840 6391 msn.c
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			D0f A 533 Sá Aidva s welch
	○SHEET KEYNOTES		
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			THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF ARE PROPRIETARY & CAN NOT BE
			COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH
l			ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR JMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT
			AGENCIES, VENDORS, AND OFFICE PERSONNEL DNLY IN ACCORDANCE WITH THIS NOTICE.
) O (consultant:
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		081	project:
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		#	for New
			Brighton Recovery
		AR (Campus
			4931, & 4953 South 900 East
		d S t	Salt Lake County, Utal
		Ш	date
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			ADDENDUM #3-January 11, 2017 ADDENDUM #4-January 17, 2017
			ADDENDUM #5—January 19, 2017 ADDENDUM #7—February 24, 2017 ADDENDUM #8—March 20, 2017
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			BUILDING 'F'
			sheet
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L	IGHTING FIXTUR	E SCI	HE
NOTE TO BIDDERS REFER TO SPECIFI BELOW HAVE BEEN	COMPLY WITH THE SPECIFICATIONS. CATIONS FOR IMPORTANT TECHNICAL REQU	IREMENTS F	
EACH MANUFACTU NOTIFY THE ARCH	RER SHALL COMPARE THE CATALOG NUMBE TECT/ENGINEER OF ANY DISCREPANCIES. S	RS SHOWN	
FOR DISCREPANCI REPORTING OF AN	ES THAT WERE NOT REPORTED TO THE ARC Y AMBIGUITY IS THE RESPONSIBILITY OF THI	HITECT/ENG	INEEI ROVIE
FOR EACH FIXTUR	E TYPES SHOWN WITHIN 48 BUSINESS HOUR MPOWER THE ENGINEER TO DETERMINE FAIL	S OF THE BIE R VALUE FOF) DAT R FIXI
PENDANT MOUNTE AND INSTALLED AT	D FIXTURES, PROVIDE A SECOND SET OF PE NO ADDITIONAL CHARGE. ALL FIXTURES SH	EODE LAMP I INDANTS, OF ALL BE APPR	
CONTRACTOR AND ALLOWANCE PRICE	ELECTRICAL DISTRIBUTOR SHALL VERIFY T MAY OR MAY NOT INCLUDE LAMP(S) OR FRI	HIS ALLOWA	NCE / NCE /
BALLASTS REQUIR	ED UNLESS NOTED OTHERWISE. DIMENSION FIXTURE CHARACTERISTICS BODY / AIR / MOUNTING / DOOR	SEQUENCE	= (LE
SYMBOL MARK DX	LENS/LOUVER/REFLECTOR/OTHER	LAMP TED HOUSIN	W G: ⊺C
	FOR LAMPS AS LISTED BELOW; ELECTRUSELF FLANGING TRIM UNLESS NOTED.		3TS; L
DX-1	FULL ON AT 0 VOLTS CONTROL INPUT 6"	3500k	21
	3500 K DIMMALE 0-10V		
DX-2	RECESSED DOWNLIGHT; VERTICAL,	2000 LI	52
	6" 3500K, 90 CRI	JJUUK	
	2000 LUMENS DIMMABLE 0-10V		
DX-4	DAMP LOCATION RECESSED DOWNLIGHT; LED 6" SHOWER LIGHT	1250 L 3500k	27
	4000k	JUUUN	
E	E SUFFIX INDICATES THAT FIXTURE IS P		
	BE 1100 LUMENS OR HIGHER;UNIVERSA TEST SWITCH AND AC "ON" INDICATOR; <u>NO DISAS</u> SEMBLY FOR TESTING.	L TRANSFOR	S FIX MER D-RA
E	EMERGENCY BATTERY PACK. self testing ballasts		31
E10	EXIT SIGN: METAL HOUSING; CEILING M		RAW
E10-1E	MOUNT MODELS. CONTRACTOR TO PRC SINGLE FACE:	VIDE MATCH	11NG 21
	WITH EMERGENCY BATTERY PACK		
E10-2E		LED	2\
	WITH EMERGENCY BATTERY PACK		
HG	EXTERIOR CANOPY FIXTURES		
HG-1	RECESSED SQUARE LED CANOPY LIGHT BRONZE FINISH, WIDE DISTRIBUTION	, LED 3000K	50 38
ос	WALL MOUNTED TRAPEZOIDAL WALL PA	CK, WET LO	CATIC
OC-32	LED WALL PACK, TYPE IV OPTICS BRONZE FINISH	LED 3500K	2∠ 1€
TX	SPECIAL FIXTURES AS INDICATED. MEET	Γ ALL REQUIF	REME
TX-1	Surface Mounted Drum 36" Diameter	LED 3500K	10
TX-2	Surface Mounted Drum 24" Diameter	LED 3500K	37
TX-3	Surface Mounted Bedroom Light	LED 3500K	24
TX-4	Surface Mounted Closet Light	LED 3000K	22

EDULE	W	LOW PROFILE WRAPAROUND: SURFACE I ACRYLIC PRISMATIC DIFFUSER; WHITE EI	MOUNTED S NAMEL END	SUITABLE FOI OPLATES; MIN	R MOUNTIN IMUM CU O	G ON LOW DENSI ⁻ F 70 @ 80/50/20 At	TY CEILINGS WRAPAROUND ND RCR=1;
JGHTING FIXTURES, BALLASTS, AND LAMPS. THE CATALOG NUMBERS LISTED PRODUCTS TO ACHIEVE THE DESIGN CONCEPT, HOWEVER, PRIOR TO BIDDING, 1 THE DESCRIPTION AND REQUIREMENTS ON THE DRAWINGS, AND SHALL FLUDED IN THIS EVALUATION SHALL BE THE VERIFYING OF PROPER MOUNTING	W-2	NARROW BODY WRAPAROUND; APPROX; 3" X 12" X 48" X 48". 5500 LUMENS	LED 3500K	57W	277/120V	EATON	DSI-WD-3-L35-1-D-UNV-SU-JB-4-STD-FC-W
ATION ON THE DRAWINGS. NO ALLOWANCE OR REDRESS WILL BE ALLOWED ER IN TIME FOR CORRECTION OR CLARIFICATION BEFORE THE BID. THE DE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES TE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE TURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE	W-3	NARROW BODY WRAPAROUND; APPROX; 3" X 10" X 48" X 48". 4800 LUMENS	LED 3500K	48W	277/120V	LITHONIA COLUMBIA METALUX DAYBRITE	LBL4 LP840 LWC4 40 ML EU WNLED LD1 41 1 UNV L835 CD1 U OWL450L835UNV
UFACTURER AND CATALOG NUMBER ON EACH FIXTURE SHEET. ON ALL IFFERENT LENGTH, AS DIRECTED BY THE ARCHITECT/ENGINEER, PROVIDED ED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE	WS	WALL MOUNTED LED LOCATED ABOVE W	ALL ELEME	NT (MIRROR/	WHITEBOAF	RD, ETC.): AS INDI	CATED ON DRAWINGS;
VANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. AND DO NOT INCLUDE ANY TAXES. UNIVERSAL VOLTAGE (120/277) ENGTH X WIDTH X DEPTH) IN INCHES.	WS-2	36" LED VANITY LIGHT SATIN CHROM FINISH 2.25" WIDE	LED 3500K	19W	120/277V	EDGE LIGHT EUREKA LBL	TW12 S11 1RE 36" 30k CH 3541 35 LED 17.40 120/277 SC WH LW496 OP XX LED 277
	ZX	OUTDOOR AREA LIGHT. SINGLE HEAD PE BELOW; RATED 100 MPH WITH 1.3 GUST I	ER POLE AS FACTOR	SHOWN ON	DRAWINGS	. WET LABEL. LEI	D LIGHT ENGINE, OPTICS AND DRIVERS ACCESSIBLE FROM
VATTS VOLTS MANUFACTURER CATALOG NUMBER NOTES O ACCOMMODATE MULTIPLE TRIMS AND REFLECTOR ASSEMBLIES Image: Comparison of the second sec	ZX-2	LED POLE MOUNTED AREA LIGHT,	LED	72W	120/277V	LITHONIA	DSX0-LED-20C-1000-35K-T2M-MVOLT-HS
TW 120/277V PEACHTREE 6PL PD IC 18 35K 80 SH TRW 120		TYPE II OPTICS, BRONZE FINISH HOUSE SIDE SHIELD	3500K	3500 LU			
OR EQUIVALENT	ZX-4	9' SSS POLE, FINISH TO MATCH FIXTURE LED POLE MOUNTED AREA LIGHT, TYPE IV OPTICS, BRONZE FINISH HOUSE SIDE SHIELD 9' SSS POLE, FINISH TO MATCH FIXTURE	LED 3500K	72W 3500 LU	120/277V	LITHONIA	DSX0-LED-20C-1000-35K-T4M-MVOLT-HS
4W 120/277V PEACHTREE 6BLRD-IC-20-35K-80-SH-RCA-120 OR EQUIVALENT							
7W 120/277V PEACHTREE 6BLRD-IC-13-35K-80-SH-RCA-WL-120							
EATON SLD612-80-35-WH WITH H7ICAT HOUSING OR EQUIVALENT							
AN EMERGENCY BATTERY PACK TO PROVIDE POWER LED LAMPS, KTURE. MINIMUM LIGHT OUTPUT FOR TYPICAL 4' LAMP SHALL & FOR 120 OR 277 VOLTS; LOW VOLTAGE PROTECTION, COMBINATION TA WARRANTY; INSTALL TEST SWITCH IN A MANNER THAT REQUIRES							
W 120/277V DUAL-LITE UFO 6WI							
BODINEREDITESTLITHONIAPS1400QD SD							
EMERGI LITE FPDL/U EVENLINT BAL1400							
/INGS; ARROWS PER PLANS; LED LAMPS; EDGE LIGHTED CLEAR MEET NFPA ILLUMINATION STANDARDS. UNITS SHOWN ARE CEILING							
LOW LEVEL WALL MOUNTED UNITS WHERE REQUIRED. W 120/277V DUAL-LITE LECSGWA							
MCPHILBEN 45VL-1-GC-XX EELP EDG 1 GC W EM							
LITHONIALRP W 1 GC XX 120/277EVENLITESOV-AC-G-1M WH XX UC							
ISOLITE EDGL-S-S-G-BK (BLACK HOUSING) CHLORIDE STDLX-X-1-GC-X							
LIGHTOLIER LEACIGCX							
MCPHILBEN 45VL-2-GM-XX							
EELPEDG 2 GC W EMLITHONIALRP W 2 GMR XX 120/277							
EVENLITESOV AC G 2M WH XX UCISOLITEEDGL-D-S-G-BK (BLACK HOUSING)							
CHLORIDE STDLX-X-2-GC-X							
LIGHTULIER LEAC2GC7							
0W 120/277V MCGRAW EDISON I RC-B16-1-LED-E1-WST							
800 LU							
ON							
4W 120/277V LITHONIA WST-LED-1-10A700-35K-SR4-MVOLT 600 LU							
ENTS OF SPECIFICATIONS AND FIXTURE SCHEDULE. VISUAL AND							
00W 120/277V SHAPER 122-36-L7-UNV-SN SPI AIC11866-L100.4WDML-PT04-120-277V-3500K-FB01							
7W 120/277V SHAPER 122-24-L5-UNV-SN SPI AIC11865-L46.6WDML-PT04-120-277V-3500K-FB01							
4W 120/277V BETACALCO FIERO-60 1200-3500K-PC-SN							
2W 120/277v METALUX FM-15-W-R-30-R							
1W 120/277V SPI SIP11783-2F21-120-F-AC1							

NORTH

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GENERAL SHEET NOTE	S on on S
1.	Donald L. Welc Architect 33 Sandy Land Laidvale, Utah 840 801.548-6391 velch5977®msn.c
○SHEET KEYNOTES	ds Z 3
1. ALL VIDEO SURVEILLANCE CAMERA CABLING SHALL BE PULLED BACK AND TERMINATED ON A CAT 6 COMPLIANT PATCH PANEL.	THE DESIGNS SHOWN AND DESCRIBED HEREIN NCLUDING ALL TECHNICAL DRAWINGS, RAPHIC REPRESENTATION & MODELS
	THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALLY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR JMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL DNLY IN ACCORDANCE WITH THIS NOTICE.
	Consultant: Consultant: FROFESSION No. 185978 PETER E. JOHANSEN MATE OF UT HIM
	0 2 project: 2 7 Tenant Finish for New Brighton □ Recovery
	Image: Weight of the system Campus Image: Weight of the system 4905, 4911, 4915, 4925, 4931, & 4953 Image: Weight of the system 4931, & 4953 Image: Weight of
	January 04, 2017 January 04, 2017 PERMIT SET-December 28, 2016 ADDENDUM #2-January 06, 2017
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	<pre></pre>

VSS CAMERA/ENCLOSURE TYPE SCHEDULE										
CAMERA TYPE	SYMBOL	DESCRIPTION	INCLUDES							
TYPE 1	#1	INTERIOR CAMERA - FIXED DOME (CEILING MOUNTED UNLESS J-BOX SHOWN)	* CAMERA/ENCLOSURE-FLUSH MOUNTED * CAT6 SIGNAL CABLE AS INDICATED TO HEADEND * POE							
{	VSS		PROVIDE AVIGILON 1.0C-H4A-DC1 OR APPROVED EQUAL.							
TYPE 2	#2	INTERIOR CAMERA - FIXED DOME (WALL MOUNTED)	* CAMERA/ENCLOSURE-SURFACE MOUNTED * CAT6 SIGNAL CABLE AS INDICATED TO HEADEND (VSS) * POE * WALL MOUNT HARDWARE							
	VSS		PROVIDE AVIGILON 1.0C-H4A-D1 OR APPROVED EQUAL.							
TYPE 3	#3 VSS	EXTERIOR CAMERA - MULTI SENSOR (WALL PENDANT MOUNTED)	* CAMERA/ENCLOSURE-SURFACE MOUNTED * CAT6 SIGNAL CABLE AS INDICATED TO HEADEND (VSS) * POE * ENVIRONMENTAL ASSEMBLY * 180°							
			PROVIDE AVIGILON 9W-H3-3MH-DP1 OR APPROVED EQUAL. WALL MOUNT - AVIGILON MNT-PEND-WALL CORNER MOUNT - AVIGILON MNT-AD-CORNER							
TYPE 4	#4 VSS	EXTERIOR CAMERA - MULTI-SENSOR (CORNER PENDANT MOUNTED)	* CAMERA/ENCLOSURE-SURFACE MOUNTED * CAT6 SIGNAL CABLE AS INDICATED TO HEADEND (VSS) * POE * ENVIRONMENTAL ASSEMBLY * 270°							
			PROVIDE AVIGILON 9W-H3-3MH-DP1 OR APPROVED EQUAL. WALL MOUNT - AVIGILON MNT-PEND-WALL CORNER MOUNT - AVIGILON MNT-AD-CORNER							
TYPE 5	#5	INTERIOR CAMERA - MULTI-SENSOR (CEILING MOUNTED)	* CAMERA/ENCLOSURE-FLUSH MOUNTED * CAT6 SIGNAL CABLE AS INDICATED TO HEADEND (VSS) * POE * 180° - 270°							
	VSS		PROVIDE AVIGILON 9W-H3-3MH-DC1 OR APPROVED EQUAL.							
TYPE 6	#6	EXTERIOR CAMERA - FIXED BULLET (WALL MOUNTED)	* CAMERA/ENCLOSURE-SURFACE MOUNTED * CAT6 SIGNAL CABLE AS INDICATED TO HEADEND (VSS) * POE * ENVIRONMENTAL ASSEMBLY							
	Vss		PROVIDE AVIGILON 2.0C-H4A-B02-IR OR APPROVED EQUAL.							

		VIDEO SURVE					
	SYMBOL	DESCRIPTION					
	POE	POE NETWORK SWITCH					
\wedge	NVR	NETWORK VIDEO RECORDER					
<u>′3 \</u>	# 1)	VIDEO CAMERA					
	CABLE	4 PAIR, CAT 6, UTP PLENUM					
	OFP = OBTAIN FROM PLANS; A/R = AS REQUIRED						

VOICE/DATA EQUIPMENT/CABLE LIST

PTION	COMMENTS
UGE CAT 6 UTP, PLENUM CABLE	SEE SPECIFICATIONS
BER PLENUM CABLE, MULTI-MODE (OM3)	SEE SPECIFICATIONS
CH PANEL WITH CAT 6 RJ45 JACKS; MOUNTED	PROVIDE FOR QUANTITY OF PORTS SHOWN ON DRAWINGS, PLUS 20%
NNECTOR PANEL - PORTS AS REQUIRED	PROVIDE MODULAR TYPE WITH ADAPTOR PLATES.
FLOOR MOUNTED	OPEN RACK, STANDARD 19", PROVIDE RACKS AS SHOWN IN ROOM LAYOUT DETAILS. SEE SPECIFICATIONS.
2 CAT 6 CABLES EACH	PROVIDE WITH CAT 6 COMPLIANT RJ45 MODULAR CONNECTORS. SEE DETAIL.
DS, CAT 6	PROVIDE 1 EACH FOR EVERY CABLE TERMINATED FROM HORIZONTAL CABLING OUTLETS.
JNCHDOWN BLOCKS - 1 SIDE STATION, 1 SIDE RISER)	PROVIDE QUANTITY OF PAIRS NEEDED. A 100 PAIR CABLE WOULD NEED 100 PAIR FOR EACH SIDE OF THE BLOCK

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WIRING SCHEDLILE									
FUNCTION	< 500'	< 1000'	1000'-3000'	> 3000'					
ADDRESSABLE LOOP	#18 TSP	#18 TSP	#16 TSP	#14 TSP					
POWER LOOP	#14 THWN	#14 THWN	#12 THWN	#10 THWN					
SPARE LOOP	#14 THWN	#14 THWN	#12 THWN	#10 THWN					
STROBE HORNS	#14 THWN	#14 THWN	#12 THWN	#10 THWN					
MAGNETIC DOOR HOLDER	#12 THWN	#10 THWN							
SPEAKERS	#16 TSP	#16 TSP	#14 TSP	#14 TSP					

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			OUTPUT DEVICES										
FIRE ALARM INPUT/OUTPUT MATRIX		'AL ALARM BLDG 'A'	34L ALARM BLDG 'B'	34L ALARM BLDG 'C'	TAL ALARM BLDG 'D'	'AL ALARM BLDG 'E'		BLE ALARM	RVISORY ALARM	HUTDOWN	JAMPER	NOTES	
		ZONE	GENEF	GENEF	GENEF	GENEF	GENEF	GENEF	TROUE	SUPEF	FAN Sł	FIRE D	
	1	RISER BLDG 'A' FLOW	•						•	•			
	2	RISER BLDG 'A' TAMPER									•		
	3	RISER BLDG 'B' FLOW		•					•	•			
	4	RISER BLDG 'B' TAMPER									•		
	5	RISER BLDG 'C' FLOW			•				•	•			
ES	6	RISER BLDG 'C' TAMPER									•		
EVIC	7	RISER BLDG 'D' FLOW				•			•	•			
NG D	8	RISER BLDG 'D' TAMPER									•		
ТІАТІ	9	RISER BLDG 'E' FLOW					•		•	•			
N	10	RISER BLDG 'E' TAMPER									•		
	11	RISER BLDG 'F' FLOW						•	•	•			
	12	RISER BLDG 'F' TAMPER									•		
	13	BLDG 'A' INITIATING LOOP	•						•	•			
	14	BLDG 'B' INITIATING LOOP		•					•	•			
	15	BLDG 'C' INITIATING LOOP			•				•	•			
	16	BLDG 'D' INITIATING LOOP				•			•	•			
	17	BLDG 'E' INITIATING LOOP					•		•	•			
	18	BLDG 'F' INITIATING LOOP						•	•	•			
	19	CIRCUIT TROUBLE							•				
	20	AC POWER LOSS							•				
	21	LOW BATTERY POWER							•				
	22	SYSTEM TROUBLE							•				
	23	REMOTE POWER SUPPLY TROUBLE							•				
				1		1		I	I	1	I	1	

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1 FIRE ALARM RISER

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	GENERAL	ne m
	SHEET NOTES	relich brand brand brand brand brand brand frand
	1. PLANS ARE BASED UFON 99 MONITOR AND CONTROL DEVICES PER ADDRESSABLE LOOP. OTHER CONFIGURATIONS ARE ACCEPTABLE SUBJECT TO CONTRACTOR ALLOWING FOR INCREASED WIRING REQUIREMENTS AND SUBMITTAL DRAWINGS SHOWING NEW WIRING CONFIGURATION. MAXIMUM INITIAL DEVICES PER LOOP SHALL NOT EXCEED 75% MAXIMUM ALLOWABLE.	Donald L. W Archited Archited Midvale, Utan 801. 548-639 dwelch5977®ms
	2. PLANS ARE BASED UPON THE WIRING SCHEDULE SHOWN. WHERE MANUFACTURER'S REQUIREMENTS EXCEED REQUIREMENTS SHOWN, INCLUDE ADDITIONAL ASSOCIATED COSTS AND SUBMITTAL DRAWINGS INDICATING NEW WIRING CONFIGURATION.	
	 FLOW AND TAMPER CONFIGURATION BASED UPON FIRE SPRINKLER DESIGN CONCEPT. FIELD VERIFY ACTUAL REQUIREMENTS. INCLUDE ANY ADDITIONAL MONITOR MODULES REQUIRED BY ACTUAL DESIGN REQUIREMENTS. 	
	 BATTERY CAPACITY TO BE ADEQUATE TO OPERATE 15 MINUTES AFTER 24 HOURS PLUS 25% SPARE CAPACITY. 	THE DESIGNS SHOWN AND DESCRIBED HEREIN
	5. VFD REQUIRES TWO RELAYS, ONE FOR SMOKE CONTROL, ONE SPARE.	NCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE
	6. RUN SPARE LOOPS IN SAME CONDUIT. DO NOT EXCEED 40% AREA FILL OF CONDUITS.	EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM DONALD L. WELCH
	7. PROVIDE DUCT DETECTORS FOR SUPPLY AND RETURN AIR SYSTEMS OVER 2000 CFM. INSTALL DUCT DETECTORS PER NEPA 72 REGUREMENTS AND PROVIDE ADDINIONAL DUCT ARRANGEMENT.	ARCHITECT THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL DNLY IN ACCORDANCE WITH THIS NOTICE.
	8. PROVIDE MANUAL PULL STATIONS IN BOILER ROOMS AND KITCHENS.	0
	 PROVIDE ONE YEAR OFF SITE MONITORING INCLUDING ALL INTERFACE DEVICES AND MONITORING CHARGES. COORDINATE WITH BUILDING OWNER'S OFF SITE MONITORING COMPANY. 	Consultant:
	10. LOCATE SMOKE DETECTORS MINIMUM 3' FROM AIR SUPPLY AND RETURN LOUVERS.	No. 185978 PETER E.
	11. PROVIDE SYNCHRONIZED STROBES THROUGHOUT FACILITY. PROVIDE SYNCHRONIZATION MODULES PER MANUFACTURER'S REQUIREMENTS. INCLUDE ADDITIONAL WIRING, IF REQUIRED.	JOHANSEN
	12. INITIATING AND INDICATING LOOPS SHALL NOT SERVE AN AREA OF GREATER THAN 22,500 SQUARE FEET. PROVIDE ADDITIONAL LOOPS FOR AREAS LARGER THAN THIS.	00 0 00 0
	13. ALL OUTPUT DEVICES ARE DESIGNED ON SYSTEMS WITH 2 AMP POWER SUPPLY.	Tenant Finish
	14. HORN/STROBE BASED ON 120 MILLIAMPS, DOOR HOLDERS BASED ON 70 MILLIAMPS.	
	15. INSTALL DUCT DETECTORS PER NFPA 72 REQUIREMENTS AND PROVIDE ADDITIONAL DUCT DETECTORS DEPENDING UPON FINAL	
	DUCT ARRANGEMENT.	Campus 4905 4911 4915 4925
TYPICAL HORN/STROBE LOOP PLUS SPARE LOOP		4931, & 4953 South 900 East
		+ - Salt Lake County, Utah
		LLI date
		January 04, 2017
		ADDENDUM #2-January 06, 2017 ADDENDUM #3-January 11, 2017 ADDENDUM #4-January 17, 2017 ADDENDUM #5-January 19, 2017 ADDENDUM #7-February 24, 2017 ADDENDUM #8-March 20, 2017
		Mata L project no: drawn by: backed but
		FIRE ALARM
		sheet