Schematic Design Package
for

PINE CREST
NURSING HOME

May 6, 2016

SCHEMATIC DESIGN APPROVAL
May 6, 2016

These documents have been reviewed and approved for space location, size, adjacency, and overall scope of work meeting targeted budget requirements. Details of each space will be determined during Design Development.

_____
Administrator date

_____
DON date

_____
Facility Director date

_____
date

Pine Crest Nursing Home
Addition and Remodel
2100 East Sixth Street
Merrill, WI. 54452

May 6, 2016

Project No.
15-135

Owner / Construction Manager
Pine Crest Nursing Home
2100 East Sixth Street
Merrill, WI. 54452

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1010 Project Summary

1010.01 Owner: Pine Crest Nursing Home
- a. Contact: Lisa Gervais - Administrator

1010.02 Design Professional: ADG Architects, llc.
- a. Principal / Architect: David Kimball
- b. Project Manager: Erin Murray

1010.03 Project Type: Addition and Remodel.

1010.04 Function: Skilled Nursing.

1010.05 Number of Floors: 1.

1010.06 Floor Area (sf): Total gross area: On floor plan.

1020 Project Program

1020.01 Building Space Program: Approved prior to concept development.

1030 Existing Conditions

1030.01 Not Applicable.

1040 Owner's Work

1040.01 Interior signage.

1040.02 Furniture and equipment.

1050 Funding

1050.01 Financing: To be determined by owner.

1060 Building Code

1060.01 Applicable Building Codes:
- a. International Building Code / Wisconsin Suite
- b. NFPA 101 Life Safety Code - 2000
- c. Plumbing Code COMM 82
- d. National Mechanical Code - 2006
- e. National Electrical Code NFPA - 2005
- f. Wisconsin Department of Health Services – Chapter DHS 132
- g. Sprinkler System – NFPA 13
- h. Fire Protection Specialties – NFPA 10

1060.02 Basic Building Code Analysis:
- a. Occupancy Separations: 2 hour fire wall, separating building type (IBC).
- b. Occupancy Type: Institutional, Group I-2.
- c. Construction Type: VA, 1 hour protected wood frame construction (IBC).
- d. Allowable Area: 38,000 sf, including increases for sprinkler protection.
- e. Allowable Height: 1 story.
- f. Sprinkler: NFPA 13 Complete.
- g. Exit Distance: 250 feet.
- h. Dead End Limit: 20 feet.
- i. Common Path of Travel: 75 feet.

20 PROPOSAL, BIDDING, AND CONTRACTING

2010 Delivery Method

2010.01 Construction Manager: The Samuels Group Inc.

30 COST SUMMARY

3010 Elemental Cost Estimate

3010.01 Construction Manager shall be responsible for total project budget from design through construction.

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A SUBSTRUCTURE

A10 Foundations

A1010 Standard Foundations: A geotechnical investigation is currently being performed.

A1010.01 Extruded Polystyrene Board Insulation at perimeter foundation wall and underside of floor slabs.

A1020 Assumed Reinforced cast in place concrete elements including continuous footings, frost walls, and isolated footings where necessary.

A1030 Concrete Strength: f'c=3,000 psi at 28 days

A1040 Special Foundations: None Anticipated.

A1050 Slab on Grade: Reinforced cast in place concrete.

A1050.01 Thickness: 4 inches.

A1050.02 Reinforcement: Welded wire fabric.

A1050.03 Concrete Strength: 4,000 psi at 28 days

A1050.04 Vapor Barrier: "Stego Wrap 15" total system including but not limited to tape, term bars and boots to achieve full system warranty, complying with ASTM E 1745, Class A; stated by manufacturer as suitable for installation in contact with soil or granular fill under concrete slabs. Single ply polyethylene is prohibited.

A1050.05 Granular Fill: Free-draining, 6 inches.

A20 Basement Construction

A2010 No basement.

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B SHELL

B10 Superstructure

B1010 Floor Construction

B1010.01 No floor construction.

B1020 Roof Construction

B1020.01 Roof Trusses: Fabricated plate connected wood frame.

B1020.02 Roof Decks: APA exterior exposure class rated sheathing.

B1020.03 Roof Vapor Barrier and Insulation: ASTM C 764 Type 1 Blown-in, R-40 loose-fill fiberglass insulation that is formaldehyde free and fire resistive with 25% recycled content. Fire retardant 3-ply laminated vapor barrier, combining 2 layers of linear low-density polyethylene and 1 high-strength non-woven cord grid with a permeance of 0.062.

B1020.04 Assembly rating for 1-hour with 1/2 inch resilient channels and 5/8 inch gypsum board.

B1030 Future expansion (vertical or horizontal) will not be considered as part of this project.

B20 Exterior Enclosure

B2010 Exterior Walls

B2010.01 Exterior Wall Exterior Skin (siding): "LP SmartSide" Lap Siding and Trim. Prorated 50 year limited warranty. Finish: Diamond Coat.

B2010.02 Exterior Wall Construction: 2x6 Wood framing. APA exterior exposure class rated sheathing. 2x6 wood framing (#2 or better S-P-F) spaced at 16 inches on center.

B2010.03 Exterior Wall Cavity Insulation: Foamed in place insulation in exterior framed walls and wall crevices. Medium-density, rigid, closed cell polyurethane foam; foamed on-site, using blowing agent of water or non-ozone-depleting gas product MD-C-200v3 or equal.

B2010.04 Exterior Wall Continuous Insulation: 1 inch thick extruded polystyrene board insulation with taped joints at exterior wall behind siding.

B2010.05 Exterior Wall Interior Skin: Gypsum board, 5/8 inch thick; Finish level 4.

B2020 Exterior Windows

B2020.01 Window Units: Architectural Grade premium aluminum/wood clad operable casements with insect screen, grilles, swing opening limiter, and lock mechanism. Marvin Windows or equivalent.

B2020.02 Insulated Glass: Outer and inner pane of clear fully tempered glass, ASTM C1048 with low emissivity coating on the number 3 surface. Visible light transmittance of 70 percent, winter night time U-value 0.29, shading coefficient of 0.44 and solar heat gain of 0.38.

B2030 Exterior Doors

B2030.01 Aluminum Framed Storefronts: Extruded aluminum thermally broken tubular framing with glass infill and superior performance organic coating system (AAMA 2605) multiple coat, thermally cured polyvinylidene fluoride system.

B2030.02 Service Doors: Insulated fiberglass reinforced plastic door and frames.

B2030.03 Courtyard Doors: Pre-finished Exterior Insulated Fiberglass with wood grain texture. "Mastercraft" or equal.

B30 Roofing

B3010 Roof Coverings

B3010.01 Shingles: Fiber glass base shingles with random tabs, UL Class A, 250-270lb/100 square feet.

B3010.02 Underlayment: Ice and water shield at entire roof surface.

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C INTERIORS

C10 Interior Construction

C1010 Partitions

C1010.01 Standard Interior Fixed Partitions (approx. 49 STC): Metal framing or at 16 inches on center with 5/8 inch gypsum board each side, mineral wool acoustical insulation, and acoustical sealant

C1010.02 Resident Unit Interior Fixed Partitions (approx. 63 STC): Metal framing at 16 inches on center with resilient channels one side, two layers of 5/8 inch gypsum board each side, mineral wool acoustical insulation, and acoustical sealant.

C1010.03 Fire Rated Walls: Constructed of metal framing and fire rated gypsum board to underside of roof trusses

C1010.04 Bearing and Shear walls: 2x6 wood framing (#2 or better S-P-F) spaced at 16 inches on center.

C1020 Interior Doors

C1020.01 Standard Doors: Factory finished AWI PC-5 premium grade wood doors with plain sliced red oak veneer.

C1020.02 Standard Frames: Face Welded, 14 gage steel, pre-finished.

C1020.03 Total Door Systems: 4′-0″x8′-0″ Pair Hold Open Egress, 90 degree, fire rated with flush exit device, electromagnetic holder, and concealed closer at fire wall double doors.

C1030 Interior Wood Cooling Door

C1030.01 Non-rated wood coiling counter door. Coiling counter door with wood slats, custom stained with electric lift operation. Wood species and stain to match wood doors.

C1040 Fittings

C1040.01 Wall and Corner Guards: Surface mounted PVC free snap on screw applied retainer clip, 2 inch leg; mount from top of base to ceiling. Wall protection sheet, 0.040 inch thickness and 4 feet sheet width applied above base in public areas, soiled utility and clean utility.

C1040.02 Handrails: PVC free vinyl in wood grain finish with stainless steel brackets, ANSI/ICC A117.1, and support vertical live load of 100 lb/lineal foot with deflection not to exceed 1/50 of span between supports.

C1040.03 Toilet and Bath Accessories: Recessed stainless steel toilet paper dispenser units, Recessed stainless steel sanitary napkin disposal units (combination units), tempered glass mirrors, baby change station in public restrooms.

C1040.04 Decorative Mirrors: Beveled edge or decorative framed units.

C20 Stairs

C2010 No stairs required

C2020 No ladders required.

C30 Interior Finishes

C3010 Wall Finishes

C3010.01 Standard Wall Finishes: Zero VOC paint in accordance with 40 CFR 59, Subpart D (EPA Method 24).

C3010.02 Tile Wall Finishes: Thin set porcelain at public toilets and resident room bathrooms.

C3010.03 Wall Protection – Rigid Vinyl Sheet & Handrails Continuous Aluminum Retainer with vinyl cover: NFPA class Fire Rating, CC1 Classification – Self Extinguishing – ASTM D-635-74, Impact Resistance of Plastics - ASTM D-256-90b, GreenGuard Certification, Fungal and Bacterial Resistance – ASTM G-21 and G-22.

C3020 Floor Finishes

C3020.01 Concrete Floors: Waterborne cure and seal in mechanical, IDF and housekeeping.

C3020.02 Tile Floors: Thin set porcelain at public toilets

C3020.03 Resilient Flooring: Homogeneous/Heterogeneous vinyl sheet or linoleum flooring with heat welded seams, 3mm thickness at resident rooms, soiled utility and clean utility. Provide integral cove base at soiled utility and clean utility rooms.

C3020.04 Vinyl tile / vinyl plank at public areas, corridors and meds room. Solid Vinyl Tile: Minimum Gauge of .10″ (2.5mm), Minimum of 20 mil wear layer, Factory Urethane Finish, Meets the following; Square-ness and Tolerance: ASTM F2055, Dimensional Stability: ASTM F2199, Static Load Limit: ASTM F970

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C3020.05 Walk-off Carpet Tile: Tile (24" x 24"), 5/35" gauge, 28oz. or greater, branded nylon 6,6 with nylon 6,6 scraper yarn, commercial grade backing with primary & secondary layers with premium composite latex compounds with anti-microbial and anti-stain protective treatments, and 20% minimum recycled content. At all vestibule.

C3020.06 Fluid Applied Epoxy Resin, colored quartz broadcast flooring system, 1/4" thick with integral coved base, satin finish, with antimicrobial additive at resident restrooms.

C3020.07 Carpet Flooring: Broadloom (12 foot) or carpet tiles, 1/10 gauge, 13.4 stitches/inch, branded 6/6 nylon, commercial grade backing with primary & secondary layers with premium composite latex compounds with anti-microbial and anti-stain protective treatments, and 20% minimum recycled content.

C3030 Ceiling Finishes

C3030.01 Gypsum Board Soffits: Zero VOC paint in accordance with 40 CFR 59, Subpart D (EPA Method 24).

C3030.02 Acoustical Ceiling Tiles: Painted mineral fiber, ASTM E 1264 Type III, ASTM E 1264 Class A, 2x2x3/4 tiles with nominal 1" painted steel suspended grid.

C3030.03 Cubicle Curtains, Shower Curtains, and Tracks at spa.

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D SERVICES

D10 Conveying

D1010 No elevator or lifts required.

D20 Plumbing

D2010 Water heating

- D2010.01 Two Redundant gas fired sealed combustion 100 gallon water heaters for each wing. Water temperature set to 140 degrees.
- D2010.02 Four gallon expansion tank at each gas water heater.
- D2010.03 Domestic hot water return pump, aquastat interlocked with solenoid safety control valve.
- D2010.04 Fail safe solenoid valve, alarm control cabinet with remote alarm location at nurses station.
- D2010.05 Water softener will be provided for each wing to soften both the hot and cold water.
- D2010.06 Expected gas consumption for water heater is 199 mBtu/h, HVAC Boiler is 1900 mBtu/h.

D2020 Plumbing Fixtures – Public and Staff Areas

- D2020.01 Water Closets: Floor mounted with flush valve tank and locking cover.
- D2020.02 Lavatories: Molded solid surface countertop with integral bowl by General Contractor. Lavatories will include chrome battery operated sensor faucet, ASSE 1070 thermostatic mixing valve, p-traps and valves. All exposed piping under sink shall be covered with trap wrap.
- D2020.03 No floor drains in toilet rooms.
- D2020.04 Serving Kitchen, double bowl stainless steel sink with gooseneck faucet with wrist blade handles and hand spray.
- D2020.05 Serving Kitchen hand wash sink, wall mounted china, Lavatories will include chrome battery operated sensor faucet, ASSE 1070 thermostatic mixing valve, p-traps and valves. All exposed piping under sink shall be covered with trap wrap.
- D2020.06 Serving Kitchen refrigerator, wall box to supply domestic cold water to unit.
- D2020.07 Serving Kitchen coffee maker, wall box to supply domestic cold water to unit.
- D2020.08 Serving Kitchen juice maker, wall box to supply domestic cold water to unit.
- D2020.09 Meds sink, single stainless steel bowl with gooseneck type faucet and wrist blade handles, ASSE 1070 thermostatic mixing valve, p-traps and valves.
- D2020.10 Soiled Utility, double bowl stainless steel sink with gooseneck faucet with wrist blade handles and hand spray, ASSE 1070 thermostatic mixing valve, p-traps and valves.
- D2020.11 Soiled Utility hand wash sink, wall mounted china, Lavatories will include chrome wrist blade handle faucet with integrated eyewash, ASSE 1070 thermostatic mixing valve for faucet and ANSI Z358.1 mixing valve for eyewash, p-traps and valves. All exposed piping under sink shall be covered with trap wrap.
- D2020.12 Soiled Utility Clinical sink, floor mounted vitreous china sink, with flush valve and wall mount faucet with bed pan washer.
- D2020.13 House Keeping, floor mounted molded high density composite mop basin, wall mounted faucet with backflow preventer.
- D2020.14 House Keeping, wall mounted hot and cold faucet with backflow preventer for chemical treatment connection.

D2030 Plumbing Fixtures – Resident Rooms

- D2030.01 Water Closets: Floor mounted tank type with locking tank cover, closed front seats with lid.
- D2030.02 Lavatories: Molded solid surface countertop with integral bowl by General Contractor. Lavatories will include chrome battery operated sensor faucet, ASSE 1070 thermostatic mixing valve, p-traps and valves. All exposed piping under sink shall be covered with trap wrap.
- D2030.03 Showers: Tiled by General Contractor. ADA compliant hand held shower with slide bar and ASSE 1016 thermostatic shower valve. Grab bars and seat by General Contractor.

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D2040 Domestic Water Distribution

D2040.01 Water Supply Systems: The main water piping shall be type L Copper main and branches a new water service will be provided for each wing.

D2050 Sanitary Waste

D2050.01 Waste Piping Systems: Above and below grade sanitary Schedule 40 PVC or Cast iron.

D2060 Storm Water Drainage

D2060.01 Storm and Clear Water Waste Piping Systems: Above and below grade sanitary Schedule 40 PVC or Cast iron.

D2070 Natural Gas: Gas Supply Systems: Schedule 40 black threaded steel, interior. Polyethylene ASTM D2513, fusion welded joints, exterior.

D2080 Freeze-less wall hydrants: Provide around perimeter of building.

D30 Heating, Ventilating, and Air Conditioning (HVAC)

D3010 Energy Supply:

D3010.01 Natural gas and electricity.

D3020 Heat Generation:

D3020.01 Packaged VAV air handling unit with DX cooling and HW heating will provide code required outside air and ventilation for the new facility. Each wing will have a 13,000 cfm air handing unit and a 50 ton condensing unit.

D3020.02 VAV terminals will provide the heating and cooling for each space. The VAV terminals will serve both resident rooms and common spaces. Each VAV terminal will be provided with a hot water heating coil.

D3020.03 Hot water boilers. A condensing hot water boiler providing low temperature (140 deg. F.) hot water supply for in-floor heating, radiant panels and unit heaters. The boiler will be located in the existing boiler room in place of the decommissioned boiler. PVC combustion air and SS venting material. In-floor heat will be provided at the perimeter 8' of the resident rooms and zoned by exposure. Radiant ceiling panels will be provided at perimeter locations of common spaces. Unit heaters in vestibules and equipment rooms.

D3020.04 Heating water will be distributed via variable speed pumps located in the existing mechanical room.

D3020.05 Copper or schedule 40 steel pipe will be allowed for heating water distribution, routed through interior walls. PEX piping will be used for in floor piping and pre insulated steel piping with PVC jackets and polyurethane foam insulation will be used to distribute underground heating water from the boiler in the existing building to each of the wings.

D3030 Refrigeration:

D3030.01 High efficiency air cooled condensing units will be provided with matched AHU mounted, cooling coils.

D3030.02 Air cooled condensing units will be pad mounted on grade with interconnecting refrigerant line sets run through the attic space.

D3030.03 Cooling, if required, for the I.T. room will be provided with a mini-split fan coil and remote, pad mounted, air cooled condensing unit.

D3040 HVAC Distribution:

D3040.01 VAV supply and return air will be ducted through the soffit spaces in resident rooms.

D3040.02 VAV supply and return air will be ducted through the corridor ceiling to each resident room and to the common spaces

D3040.03 Resident toilet rooms will be exhausted by an exhaust fan.

D3040.04 Kitchen exhaust from the Type 1 hood will be discharged thru an up-blast exhaust fan. Ductwork will be welded black iron with code required zero clearance fire rated insulation.

D3040.05 Individual exhaust will be provided for common area toilet rooms.

D3040.06 Kitchen hood make-up air will be provided by VAV system.

D3050 HVAC Insulation:

D3050.01 Ductwork and piping will be insulated and jacketed in accordance with energy codes and standard industry practices.

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D3060 HVAC Instrumentation and Controls:

D3060.01 VAV terminals will have DDC controls. Each resident room will a VAV terminal and be individually controlled. Common spaces may have more than one space feed from a VAV terminal. The VAV terminal will controller will control the radiant ceiling panels in the zone it serves.

D3060.02 The VAV air handling unit will have DDC controls as well.

D3060.03 Economizer cooling will be provided to save on cooling loads when the outdoor air is cool enough for free cooling.

D3060.04 Demand control ventilation not included.

D3070 Testing, Adjusting, and Balancing:

D3070.01 Air side: VAV Terminals, AHU, exhaust fans, air inlets and outlets.

D3070.02 Water side: Water pumps, boiler, and infloor heat manifolds, radiant panels and unit heaters.

D40 Fire Protection Systems

D4010 Sprinklers

D4010.01 Fire Protection Sprinkler System: Provide single water supply to serve fire protection for each wing. Wet system schedule 10 steel mains and schedule 40 branch lines. Dry system schedule 10 steel mains with schedule 40 steel branch lines. Concealed sprinkler heads at drop ceilings, sidewall heads in resident rooms, and attic or upright heads in attic.

D4010.02 Provide wet riser to serve entire area. System to be design under NFPA 13. Provide dry pipe riser to serve attic.

D4020 Fire Protection Specialties

D4020.01 Fire Extinguisher, Cabinets and Accessories: Provide per NFPA 10.

D50 Electrical Systems

D5010 General Electrical Requirements

D5010.01 The existing 1600 AMP, 277/480 volt, 3-phase service has both the capacity and breaker mounting space for the two additions. There has been a history of loss of one utility phase ("single phasing event"). Pine Crest has purchased phase loss relays for monitoring a single phasing event. This project will not address single phasing protection with the exception of phase protection in the VFD's on the air handling units.

D5010.02 The Wisconsin Public Service pad mounted transformer serving the Social Services building will be relocated to allow space for the Special Care Unit.

D5010.03 There are two existing generators providing power to Pine Crest. The 150 KW diesel unit in the Social Services building is at capacity and at the end of useful life. Emergency power will not be sourced from this generator. The second generator is a new 150 KW Kohler, diesel generator in the main electrical room. This generator has not had enough load to meet testing requirements (30% load minimum). A manual transfer switch was added to aid in testing at minimum load. We are assuming that there is 75 KW reserve capacity available for this project and will source emergency power from this generator.

D5020 Normal Power Electrical Service and Distribution

D5020.01 Existing Main Switchboard: Square D, main fusible switch, I-Line Distribution

D5020.02 Electrical Branch Circuit Panelboards: Square D NQOD Panelboards or functional equal.

D5020.03 Enclosed Electrical Circuit Breakers: Single circuit breaker, same type as panelboards.

D5020.04 Electrical Distribution Feeders: All feeders will be run with properly sized and terminated copper, Type THWN or XHHW. Aluminum feeders larger than 1/0 AWG will be allow, except to mechanical equipment.

D5020.05 Conduit: RMC or IMC for exposed exterior and EMT for interior. Health Care compliant, steel clad, MC-cable or AC-cable will be allowed.

D5020.06 No provisions will be provided to accommodate future expansions other than a conduit fed to exterior for a replacement maintenance garage.

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D5020.07 Normal power to the new units will be supply at 480 volts to a ceiling mounted transformer in the new mechanical rooms that will supply new branch circuit panel(s). Refer to drawing ER.1 in appendixes.

D5030 Emergency Power Service and Distribution

D5030.01 The Kohler emergency generator shares the same room as the normal power service entrance equipment. This is no current code compliant. Bring this to current code is not part of this project.

D5030.02 Pine Crest has more than 150 KVA of emergency transfer switches serving the facility. For that condition, the National Electric Code (NEC) requires the transfer switches be dedicated to the branch of emergency power that they serve. We will begin to transition Pine Crest to code compliance by adding a life safety transfer switch, transformer and branch circuit panel and move existing life safety loads in panels EMA and EMB to the new life safety panel. New life safety loads will be sourced from the new life safety panel.

D5030.03 The NEC requires two branches of emergency power in Nursing Facilities – Life Safety and Critical Branch. The current NEC also requires breaker coordination for the required branches of emergency power. The existing installation does not meet current code. New life safety circuits and panels will meet the breaker coordination requirements.

D5030.04 Critical Branch power will be supplied by a new branch circuit panelboard in each new unit mechanical room. A ceiling mounted transformer will supply power to this panelboard in each mechanical room. Refer to drawing ER.2 in appendixes.

D5040 Lighting

D5040.01 Electrical Branch Wiring: The following methods and materials will be used depending on code requirements for various areas of building. Type THHN conductors in EMT conduit. Type MC cable or Type AC cable. All branch circuit conductors will be copper.

D5040.02 Emergency Branch Circuits: Emergency branch circuits will supply:

(a) Heating
(b) Limited lighting (egress, exit, nurses stations, drug dispensing, limited lighting in sleeping and restrooms.
(c) (1) Dedicated receptacle in each resident bed locations
(d) Nurse Call
(e) Fire Alarm
(f) Networking/phone equipment
(g) Drug storage refrigerators
(h) Bariatric ceiling lifts
(i) Security systems
(j) Life Safety code site lighting (egress lighting to public way).

D5040.03 Interior Lighting: LED lighting fixtures will be utilized throughout the building. Common spaces and corridors will utilize architectural type fixtures along with low mounted LED night lights. Resident rooms will utilize dimmable downlights with a three-way switching at the door and resident bedside. Individual toilet rooms will utilize and LED vanity light over the sink area as well as downlights in the shower and general space. Toilet room lighting will be controlled via occupancy sensor. LED lighting may use some limited incandescent fixtures with LED lamps similar to CREE Softwhite.

D5040.04 All areas within the facility shall be designed towards the luminance and illuminance performance criteria outlined in the IESNA Handbook, Tenth Edition with significant emphasis placed on meeting all criteria discussed in IESNA RP-28-07, Lighting and the Visual Environment for Senior Living.

D5040.05 Horizontal Illuminance data noted in Table 1 shall be considered the baseline, minimum for horizontal planes. Additional consideration shall be given to both vertical illuminance and luminance, especially the luminance uniformity ratios between horizontal and vertical surfaces.

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TABLE 1: Minimum Illuminance (Light Levels)
Measured in Footcandles*

AREAS	Ambient Light	Task Light
Exterior Entrance (Night)	10	
Interior Entry (Day)	100**	
Interior Entry (Night)	10	
Exit Stairway & Landings	30	
Elevator Interiors	30	
Parking Garage		
Exterior Walkways		
Administration (Active)	30	50
Activity Areas (Day only)	30	50
Visitor Waiting (Day)	30	
Visitor Waiting (Night)	10	
Resident Room		
Entrance	30	
Living Room	30	75
Bedroom	30	75
Wardrobe/Closet	30	
Bathroom	30	
Make-up/Shaving Area	30	60
Shower/Bathing Rooms	30	
Kitchen area	30	50
Barber/Beautician (Day)	50	
Chapel or Quiet Area (Active)	30	
Hallways (Active Hrs)	30	
Hallways (Sleeping Hrs)	10	
Dining (Active Hrs)	50	
Medicine Prep	30	100
Nurses Station (Day)	30	50
Nurses Station (Night)	10	50
Physical Therapy Area (Active Hrs)	30	50
Occupational Therapy (Active Hrs)	30	50
Examination Room (Dedicated)	30	100
Janitors Closet	30	
Laundry (Active Hrs)	30	50
Clean/Soiled Utility	30	
Commercial Kitchen	50	100
Food Storage (Non-Refrig.)	30	
Staff Toilet Area	20	

*Values are presented in footcandles (fc). Conversion to lux (1fc= 10.76 lux)
** Utilization of daylight is encouraged in entryways to provide a transition between outside and interior illumination levels.
Note: Ambient light levels are minimum averages measured at 30" above the floor in a horizontal plane. Task light levels are absolute minimums taken on the visual task. For make-up/shaving the measurement is to be taken on the face in a vertical position. It should be understood that the values listed are minimums. The optimum solution for task lighting is to give the user control over the intensity and positioning of the light source to meet their individual needs.

D5040.06 Lighting design will meet minimum standards and code requirements for energy usage and automatic shutoff controls.

D5040.07 Interior Lighting Color Temperature: General and task lighting will utilize 3000K lamping.

D5040.08 Night lights will be provided in resident rooms and bathrooms and shall utilize an amber colored or warm tone source. Sources with blue tones shall be avoided. The night light could be provided with a photo sensor which would automatically turn it off when sufficient daylight is present or the general room lighting has been turned on.

D5040.09 Exterior Building Lighting: LED lighting fixtures, controlled photocell and timeclock. Exterior pathway fixtures shall match existing. New parking lot lighting will be designed with 20 foot poles on 24" concrete bases.

D5040.10 Emergency Egress Lighting: Egress lighting interior to the building shall be provided via generator backed life safety branch of the emergency system. Egress lighting exterior to the building will be provided via a wall pack fixture mounted above the exit doors and other fixtures as required by the authority having jurisdiction.

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D5050 Branch circuits

D5050.01 Kitchen Equipment: Electrical power will be provided to the kitchen equipment per manufacturer requirements.

D5050.02 Tamper resistant receptacles shall be provided in resident areas of the Special Care Unit.

D5050.03 Resident Room receptacles shall be located as required by the NEC, FGI and DHS 132; with a minimum of (1) duplex receptacle per wall, and (2) duplex receptacles per bed.

D5050.04 Receptacles within corridors shall be spaces approximately 25′ – 30′ on center.

D5050.05 GFCI receptacles shall be provided within 6′-0″ of all sink locations and in kitchens.

D5050.06 Nurses station and reception areas shall be provided with one duplex power receptacle per wall at a minimum, and one quad receptacle at each computer location.

D5050.07 Receptacles in other public and common areas shall be circuited with no more than 6 duplex receptacles per circuit.

D5050.08 Device plates shall be stainless steel to match existing.

D5060 Low Voltage Systems

D5060.01 Detection and Alarm Fire Alarm: The existing SimplexGrinnell fire alarm system will be extended and will meet minimum code requirements. Pine Crest is in the process of revising the existing audible alarm devices from horns to chimes therefore chimes will be used for these new units. Manual fire alarm pull stations will be located at each exit door, except in the Special Care Unit where the manual pull station will be located at the nurses' station. Notification devices located throughout the building per NFPA 72. The fire alarm control panel will release the mag locks in the Special Care Unit.

D5060.02 Security Access and Surveillance Rough-Ins: As required by Owner. Surveillance rough-ins will be provided interior and exterior to new entry by the Short Term Care Unit.

D5060.03 Nurse Call System Rough-Ins: As required by Owner.

D5060.04 Voice and Data Systems Rough-Ins: Voice/data outlet provided in various locations throughout the project as required by Owner. Basket Style Cable tray will be used to support home runs, and within the telecom closets.

D5060.05 Intercom: Intercom will be provided at the new entry by the Short Term Care Unit.

D5060.06 Overhead Paging Rough-Ins: As required by Owner, including boxes for wall mounted volume controls.

D5060.07 Cable TV Rough-Ins: Rough-Ins for cable TV as required by Owner, including space and power for signal splitters in the telecommunication closets.

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E Equipment and Furnishings

E10 Equipment

E1010 Food Service Equipment: As noted on drawings.

E1020 Laundry Equipment: Commercial grade washer and dryer as noted on drawings.

E20 Furnishings

E2010 Fixed Furnishings

E2010.01 Artwork: By owner.

E2010.02 Casework: Institutional premium grade manufactured plastic laminate cabinets with raised panel design and solid surface countertops.

E2010.03 Window Treatments: By owner.

E2020 Moveable Furnishings: By owner.

F Special Construction:

F10 Garage: Un-Insulated 24′-0″ by 24′-0″ garage.

F1010 Slab on Grade with thickened edge: Reinforced cast in place concrete.

F1010.01 Thickness: 4 inches.

F1010.02 Reinforcement: Welded wire fabric.

F1010.03 Concrete Strength: 4,000 psi at 28 days

F1010.04 Granular Fill: Free-draining, 6 inches.

F1020 Roof Construction:

F1020.01 Roof Trusses: Fabricated plate connected wood frame.

F1020.02 Roof Decks: APA exterior exposure class rated sheathing.

F1030 Exterior Walls

F1030.01 Exterior Wall Exterior Skin (siding): "LP SmartSide" Lap Siding and Trim. Prorated 50 year limited warranty.

F1030.02 Exterior Wall Construction: 2x4 Wood framing. APA exterior exposure class rated sheathing. 2x6 wood framing (#2 or better S-P-F) spaced at 16 inches on center.

F1040 Exterior Windows

F1040.01 Window Units: Architectural Grade premium fiberglass operable casements with insect screen, grilles, and lock mechanism. "Marvin Integrity All Ultrex" or equivalent.

F1040.02 Insulated Glass: Outer and inner pane of clear fully tempered glass, ASTM C1048 with low emissivity coating on the number 3 surface. Visible light transmittance of 70 percent, winter night time U-value 0.29, shading coefficient of 0.44 and solar heat gain of 0.38.

F1050 Exterior Doors

F1050.01 Garage Doors: 8′-0″ by 8′-0″ aluminum overhead door with door opener, two total.

F1050.02 Service Door: Insulated fiberglass reinforced plastic door and frames.

F1060 Roof Coverings

F1060.01 Shingles: Fiber glass base shingles with random tabs, UL Class A, 425 pounds per square.

F1060.02 Underlayment: Class A asphalt saturated felt with ice and water shield from roof edge to 3 feet inside from outside walls and at valleys.

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G Building Sitework:

G10 Site Preparation

G1010 Site Clearing

G1010.01 Clear site of vegetation and strip topsoil within construction limits. Stockpile for reuse on site.

G1020 Pavement Removal and Salvage Base Course

G1020.01 Contractor shall salvage and stockpile base course for use within new parking areas.

G20 Site Improvements

C2010 Landscaping

C2010.01 Lawns and Grasses: Seed made up of 25 percent red fescue, 50 percent kentucky bluegrass, and 25 percent merion bluegrass applied by hydro-seeding with integral mulch.

C2010.02 Lawns and Grasses: Imported sod, fully mature with 2 thick root system and 2 inch grass length.

C2010.03 Trees, Plants, and Ground Covers: Mix of deciduous and coniferous plantings.

G30 Additional Site Work Description

G3010 Earthwork / Site Grading and Drainage

G3010.01 The proposed Special Care Facility will be placed within areas of existing grass, pavement, and existing outbuilding. The proposed building will need to have 12″ to 36″ of fill placed in order to have the same finish floor elevation as the existing tie-in building. Material will most likely come from the grading of the Short Term Facility (if suitable). Runoff from this building will be collected via internal storm sewer and conveyed to the grass swale/ditch north of the building. Runoff from the sidewalks, new parking lot and landscaped areas will either sheet flow to the grass swale or conveyed via pipe.

G3010.02 The proposed Short Term Facility will be placed within the majority of the area being grass with some existing pavement. The proposed building will be excavating out 4′ to 6′ of material in order to have the same finish floor elevation as the tie in buildings. This material, if suitable, can be used as fill for the Special Care Facility. It should be noted that a retaining wall will be needed along the north side of this building that will run almost the entire length of the building. Runoff from this building will be collected via internal storm sewer and conveyed, via pipe, to the existing storm system to the east of the site. Runoff from the new parking lot, sidewalks, and landscape areas will be conveyed to the new bio-retention system east of the driveway. Runoff will then be conveyed, via pipe, to the existing storm system in the east.

G3020 Utilities

G3020.01 Water: Domestic and fire (if required) for both facilities will come from new services within the site. It should be noted that an existing 6″ waterline in the north will need to be relocated.

G3020.02 Sanitary Sewer: Both facilities will have new services that are connected to sanitary mains within the site. It should be noted that an existing 12″ sanitary line will need to be relocated as it falls under the footprint of the proposed Short Term Facility.

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UTILITY NOTES:

1) MANHOLES ARE 48"ø UNLESS OTHERWISE NOTED.
2) 12" CLEARANCE WHEN WATERMAIN GOES OVER SANITARY, WATERMAIN, OR STORM SEWER & 18" SEPARATION WHEN WATERMAIN PASSES UNDER SANITARY, WATER MAIN OR STORM SEWER.
3) STORM SEWER PIPE CAN BE RCP, HDPE, OR PVC
4) ALL WATERMAIN AND FITTINGS SHALL BE D.I.P.
5) SANITARY SEWER SERVICE SHALL BE SDR 35 UNLESS DEPTH GRTEATER THAN 20'
6) WATER SERVICE SHALL HAVE A MINIMUM BURY DEPTH OF 8'

NORTH

0 7.5 15 30

FIBER OPTIC (2) TO BE RELOCATED AROUND BLDG

30" STORM SEWER

12" STORM SEWER

8" STORM SEWER

FF=877.98±

CONNECT TO EX WATERMAIN

EXISTING 30" STORM

EXISTING 6" WATER

PROPOSED HYDRANT

6" WATER SERVICE

12" STORM SEWER

CONNECT TO EX WATERMAIN

6" WATERMAIN

EXISTING 12" SANITARY

6" SANITARY SERVICE

PAVEMENT PATCH
3" BIT
8" BASE

UTILITY PLAN – BUILDING A

CU.1

adg

PINE CREST NURSING HOME ADDITION AND REMODEL
SCHEMATIC DESIGN (5.06.2016)

PINECREST

NORTH

0 7.5 15 30

CONNECT TO EX WATERMAIN

CONNECT TO EX SAN MANHOLE (CORE DRILL)

PROPOSED 12" SANITARY

PROPOSED WALL

FIBER OPTIC TO BE RELOCATED AROUND BLDG

12" STORM SEWER

6" WATER SERVICE

FF=877.84±

8' CONC SIDEWALK

12" STORM SEWER

PROPOSED HYDRANT

8" WATERMAIN

ADA PARKING WITH SIGNAGE

CONNECT TO EX SAN MANHOLE (CORE DRILL)

12" STORM SEWER

PROPOSED BIORETENTION

365 LF 12" STORM SEWER

UTILITY NOTES:

1) MANHOLES ARE 48"ø UNLESS OTHERWISE NOTED.
2) 12" CLEARANCE WHEN WATERMAIN GOES OVER SANITARY, WATERMAIN, OR STORM SEWER & 18" SEPARATION WHEN WATERMAIN PASSES UNDER SANITARY, WATER MAIN OR STORM SEWER.
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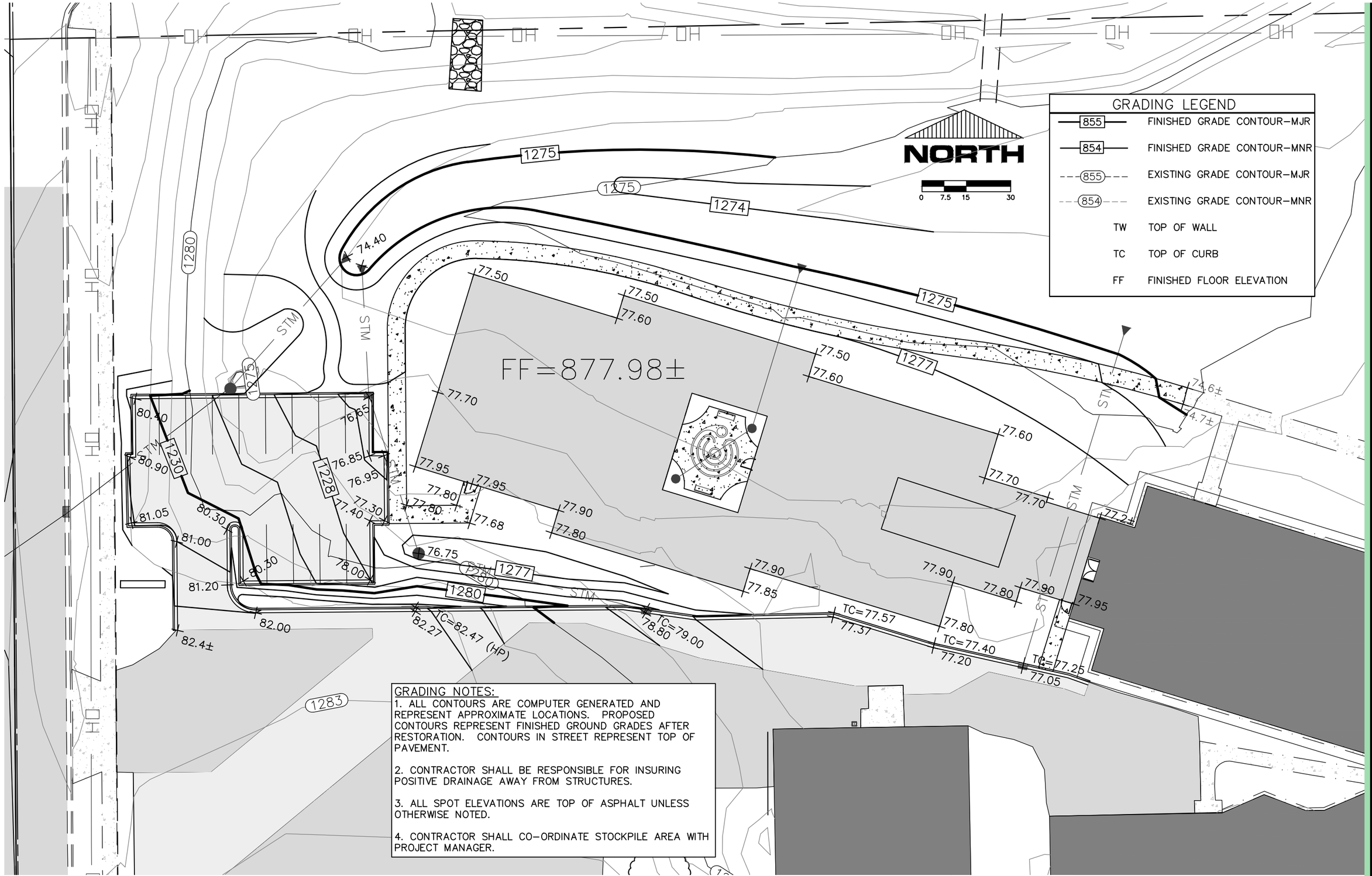
6) WATER SERVICE SHALL HAVE A MINIMUM BURY DEPTH OF 8'

UTILITY PLAN – BUILDING B

CU.2

PINE CREST NURSING HOME ADDITION AND REMODEL
SCHEMATIC DESIGN (5.06.2016)



GRADING NOTES:

1. ALL CONTOURS ARE COMPUTER GENERATED AND REPRESENT APPROXIMATE LOCATIONS. PROPOSED CONTOURS REPRESENT FINISHED GROUND GRADES AFTER RESTORATION. CONTOURS IN STREET REPRESENT TOP OF PAVEMENT.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING POSITIVE DRAINAGE AWAY FROM STRUCTURES.

3. ALL SPOT ELEVATIONS ARE TOP OF ASPHALT UNLESS OTHERWISE NOTED.

4. CONTRACTOR SHALL CO–ORDINATE STOCKPILE AREA WITH PROJECT MANAGER.

GRADING PLAN – BUILDING A

CG.1

PINE CREST NURSING HOME ADDITION AND REMODEL
SCHEMATIC DESIGN (5.06.2016)

GRADING NOTES:

1. ALL CONTOURS ARE COMPUTER GENERATED AND REPRESENT APPROXIMATE LOCATIONS. PROPOSED CONTOURS REPRESENT FINISHED GROUND GRADES AFTER RESTORATION. CONTOURS IN STREET REPRESENT TOP OF PAVEMENT.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING POSITIVE DRAINAGE AWAY FROM STRUCTURES.

3. ALL SPOT ELEVATIONS ARE TOP OF ASPHALT UNLESS OTHERWISE NOTED.

4. CONTRACTOR SHALL CO-ORDINATE STOCKPILE AREA WITH PROJECT MANAGER.

GRADING LEGEND

855	FINISHED GRADE CONTOUR–MJR
854	FINISHED GRADE CONTOUR–MNR
(855)	EXISTING GRADE CONTOUR–MJR
(854)	EXISTING GRADE CONTOUR–MNR
TW	TOP OF WALL
TC	TOP OF CURB
FF	FINISHED FLOOR ELEVATION

NORTH

0 7.5 15 30

TW=80.00
BW=78.00

TW=82.00
GRND=78.00

TW=79.50
GRND=77.60

TW=78.50
GRND=77.10

TW=78.00
GRND=76.70

FF=877.84±

GRADING PLAN – BUILDING B

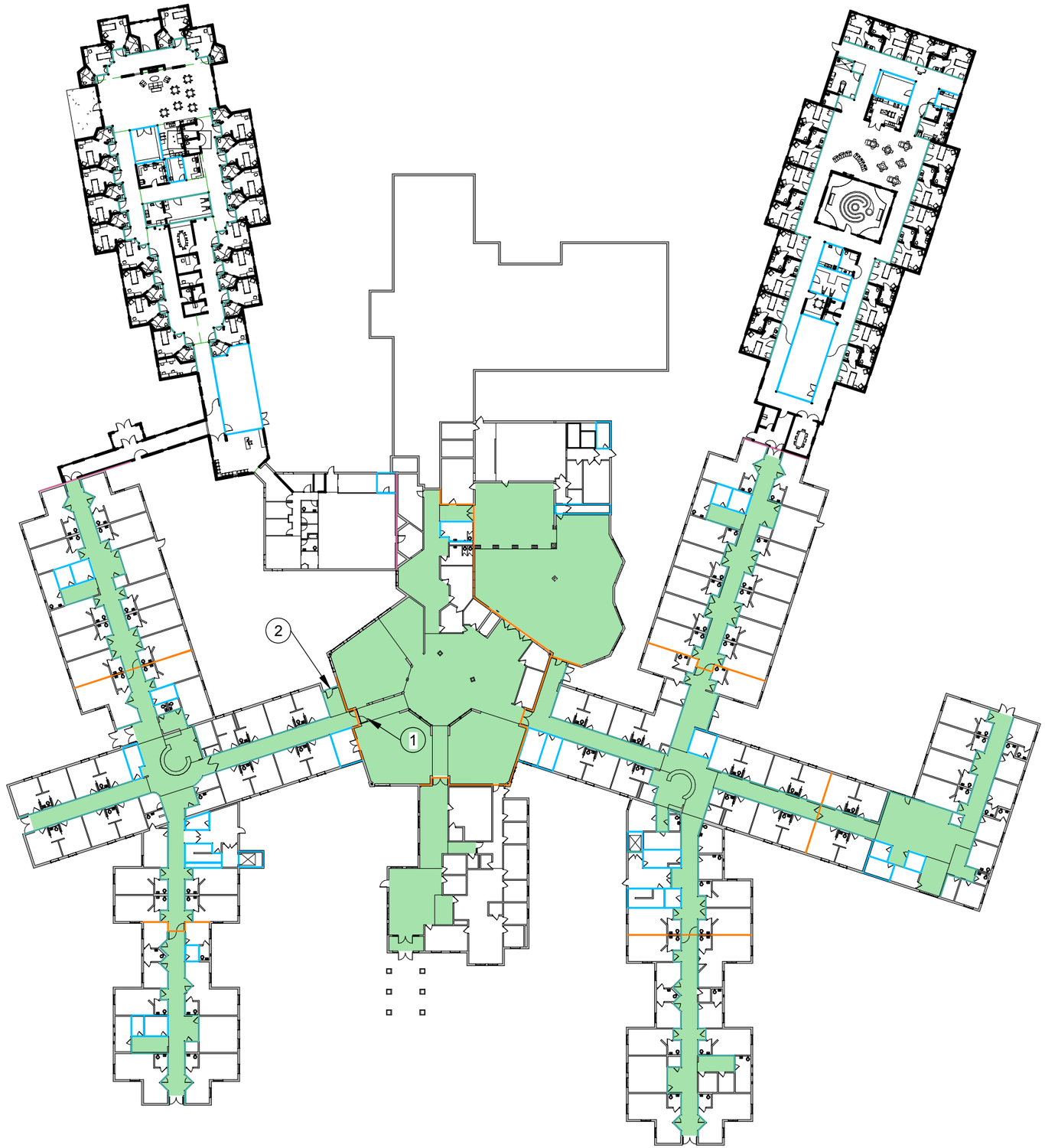
CG.2

adg

ADDITION AND REMODEL
(5.06.2016)

PINE CREST NURSING HOME
SCHEMATIC DESIGN (5.06.2016)

PINECREST



OVERALL LIFE SAFETY FLOOR PLAN

CODES

INTERNATIONAL BUILDING CODE, 2009: AS AMENDED BY THE STATE OF WISCONSIN.
NFPA 101 LIFE SAFETY CODE-2000
STATE OF WISCONSIN DEPARTMENT OF HEALTH AND FAMILY SERVICES - CHAPTER DHS 132
INTERNATIONAL MECHANICAL CODE, 2009.
PLUMBING CODE: NFPA 70, 2005.
ELECTRICAL CODE: NFPA 70, 2005.
SPRINKLER SYSTEM: NFPA 13, COMPLETE BUILDING.
FIRE PROTECTION SPECIALTIES: NFPA 10.

BUILDING DATA

OCCUPANCY CLASS:
IBC: INSTITUTIONAL, GROUP I-2

FUNCTION: NURSING HOME

CONSTRUCTION CLASS: ADDITIONS
IBC: VA
NFPA: V(1,1,1)

FIRE RATINGS, EXCEPT WHERE INDICATED HIGHER ON PLANS:
BEARING WALLS, BEAMS, COLUMNS. 1 HOUR (UL-U305)
ROOF STRUCTURE. 1 HOUR (UL-P547)

DESIGNATIONS AND SYMBOLS

FIRE WALLS:
2-HOUR:
4-HOUR:

FIRE BARRIERS:
1-HOUR:
2-HOUR:

SMOKE BARRIERS:
1-HOUR:

SMOKE PARTITIONS:
NA:

EXITING:
SUITE:
EXIT ACCESS:

KEYED NOTES:

1. NEW OPPOSING SWING EGRESS DOORS.
2. REVERSE EGRESS FLOW. NEW DOOR AND SIDELITE.

23,400 SQUARE FEET: PROVIDE NEW FLOORING, WALL PROTECTION, PAINT, HANDRAILS, AND LIGHTING.

LP.1

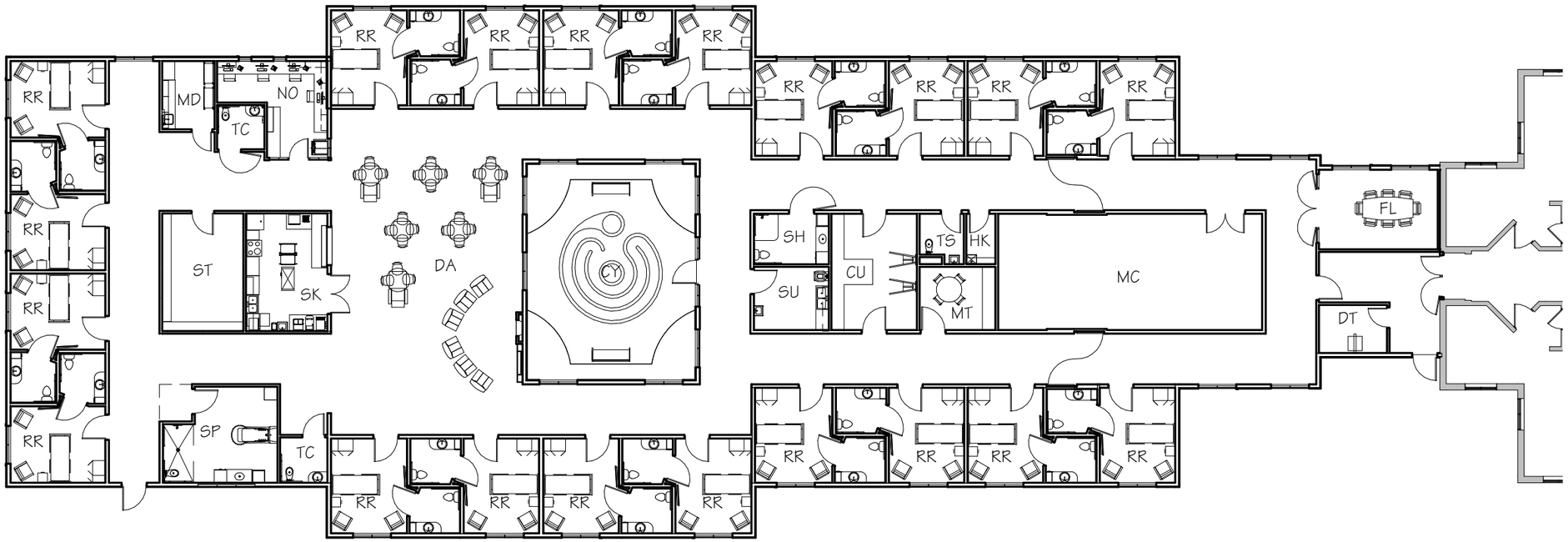
NOT FOR CONSTRUCTION - SD - (05.6.2016)

PROJECT: 15-135

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN LIFE AND SAFETY PLAN (May 6, 2016)

Merrill, Wisconsin



FIRST FLOOR PLAN - BUILDING A

ROOM KEY

CU	CLEAN STORAGE
DA	DINING / ACTIVITY
DICT	DICTATION
DN	DEN
DT	DATA
FL	FAMILY LOUNGE
HK	HOUSE KEEPING
LO	LOBBY
MD	MEDS
ME	MECHANICAL
MT	MEETING
NO	NURSE OFFICE
NS	NURSE STATION
RG	REGISTRATION
RR	RESIDENT ROOM
SH	SHOWER
SK	SERVING KITCHEN
SP	SPA TUB
SO	SUPERVISOR OFFICE
ST	STORAGE
SU	SOILED UTILITY
TC	COMMON TOILET
TS	STAFF TOILET
UO	UNIT SCHEDULER OFFICE
VS	VESTIBULE

AREA OF ADDITION - 15,107 SF

NORTH

0 5 10 40

FP.1

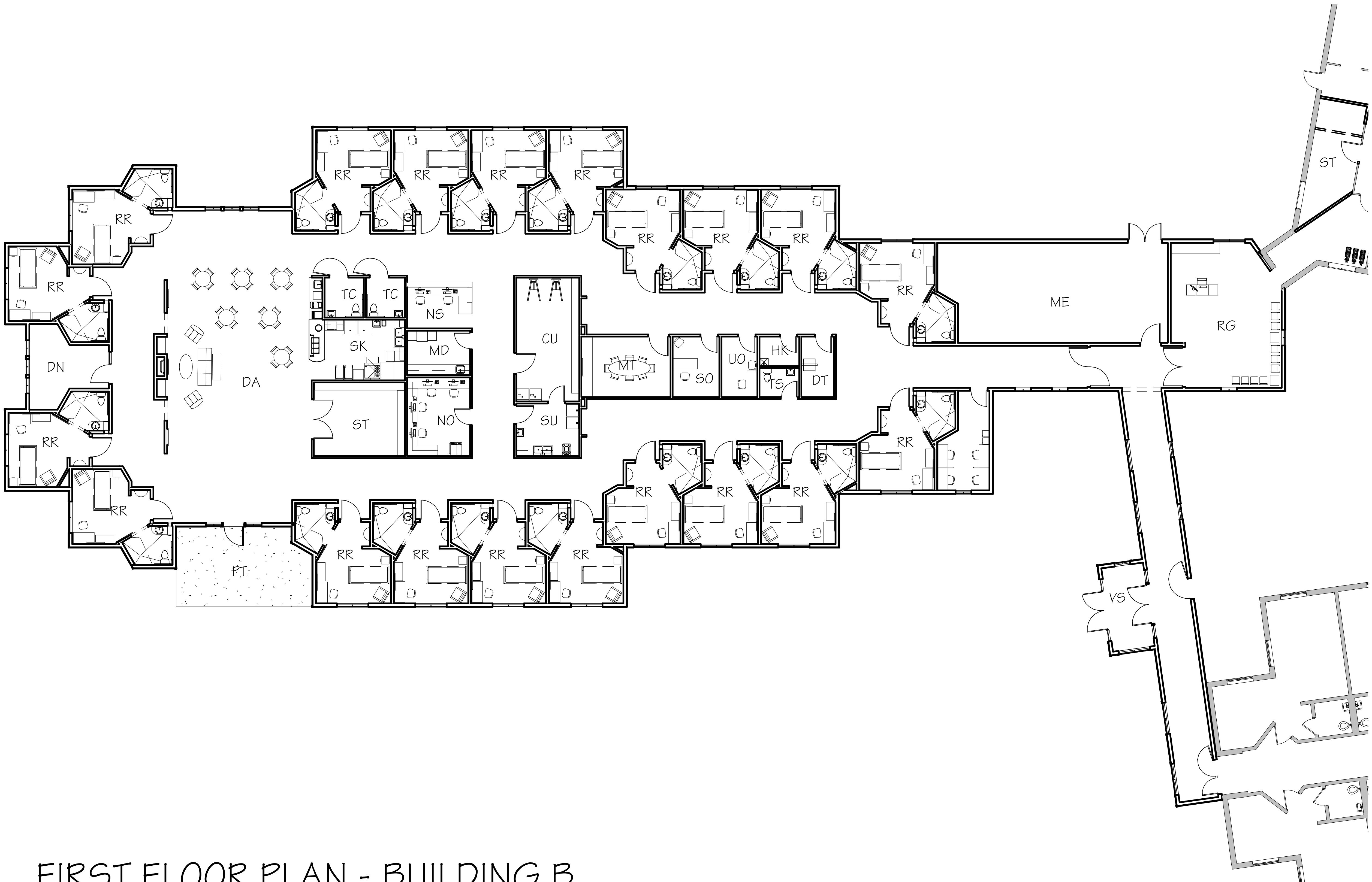
NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN FIRST FLOOR PLAN (MAY 6, 2016)

Merrill, Wisconsin

PROJECT: 15-135



FIRST FLOOR PLAN - BUILDING B

ROOM KEY

CU	CLEAN STORAGE
DA	DINING / ACTIVITY
DICT	DICTATION
DN	DEN
DT	DATA
FL	FAMILY LOUNGE
HK	HOUSE KEEPING
LO	LOBBY
MD	MEDS
ME	MECHANICAL
MT	MEETING
NO	NURSE OFFICE
NS	NURSE STATION
PT	PATIO
RG	REGISTRATION
RR	RESIDENT ROOM
SH	SHOWER
SK	SERVING KITCHEN
SP	SPA TUB
SO	SUPERVISOR OFFICE
ST	STORAGE
SU	SOILED UTILITY
TC	COMMON TOILET
TS	STAFF TOILET
UO	UNIT SCHEDULER OFFICE
VS	VESTIBULE

AREA OF ADDITION - 15,795 SF

NORTH

0 5 10 40

FP.2

NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

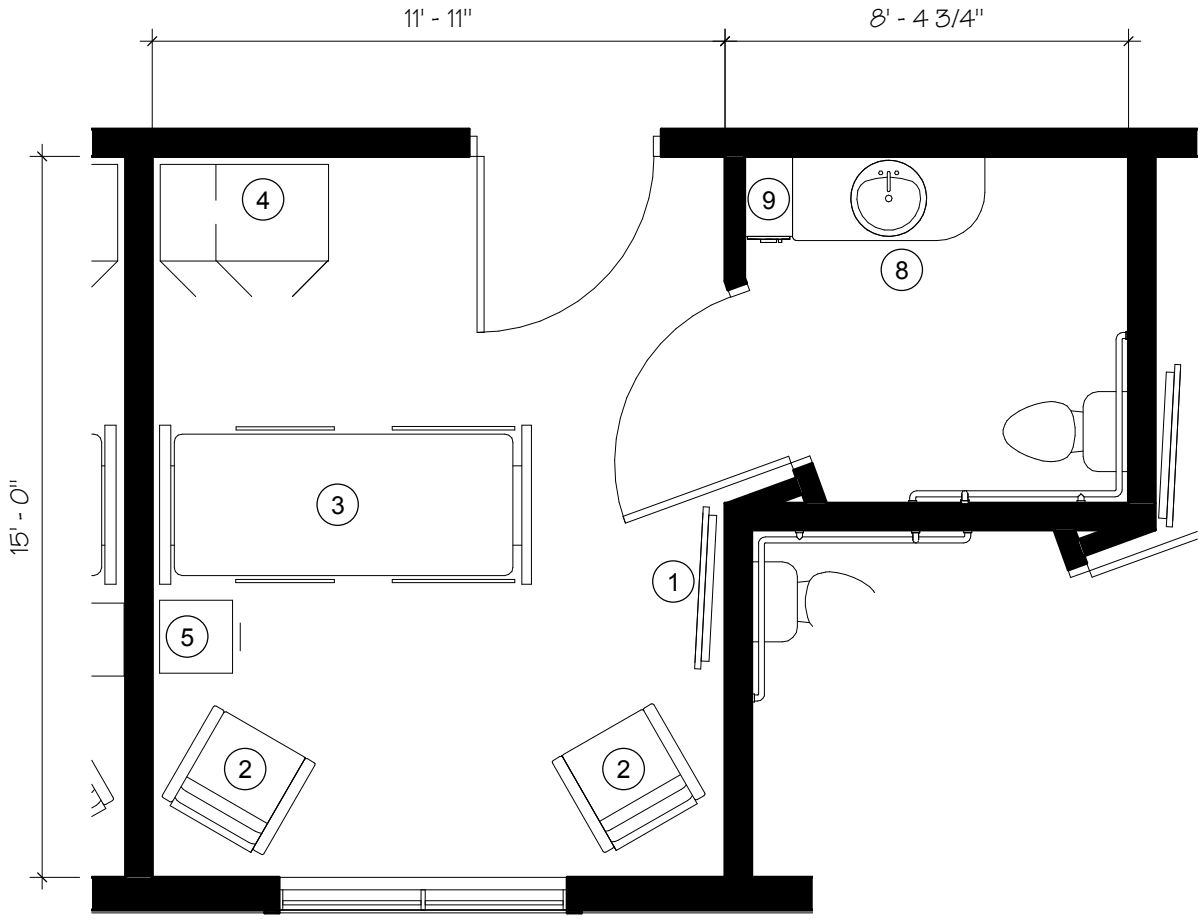
SCHEMATIC DESIGN FIRST FLOOR PLAN (MAY 6, 2016)

Merrill, Wisconsin

PROJECT: 15-135

KEYED NOTES:

1. WALL-MOUNTED FLAT PANEL TV.
2. CHAIR.
3. ADJUSTABLE HIGH-LOW BED.
4. ARMOIRE.
5. NIGHTSTAND.
6. SHOWER: SEAMLESS POURED FLOOR, LARGE TILE OR SOLID SURFACE PANELS ON WALLS.
7. PERIMETER BELOW SLAB RADIANT HEAT, 4FT MINIMUM AT PERIMETER.
8. VANITY WITH INTEGRAL SINK.
9. TALL CABINET.
10. CURTAIN.
11. HALF ROUND TABLE.
12. DRESSER.
13. DESK.
14. NURSE SERVER.



RM.1

NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

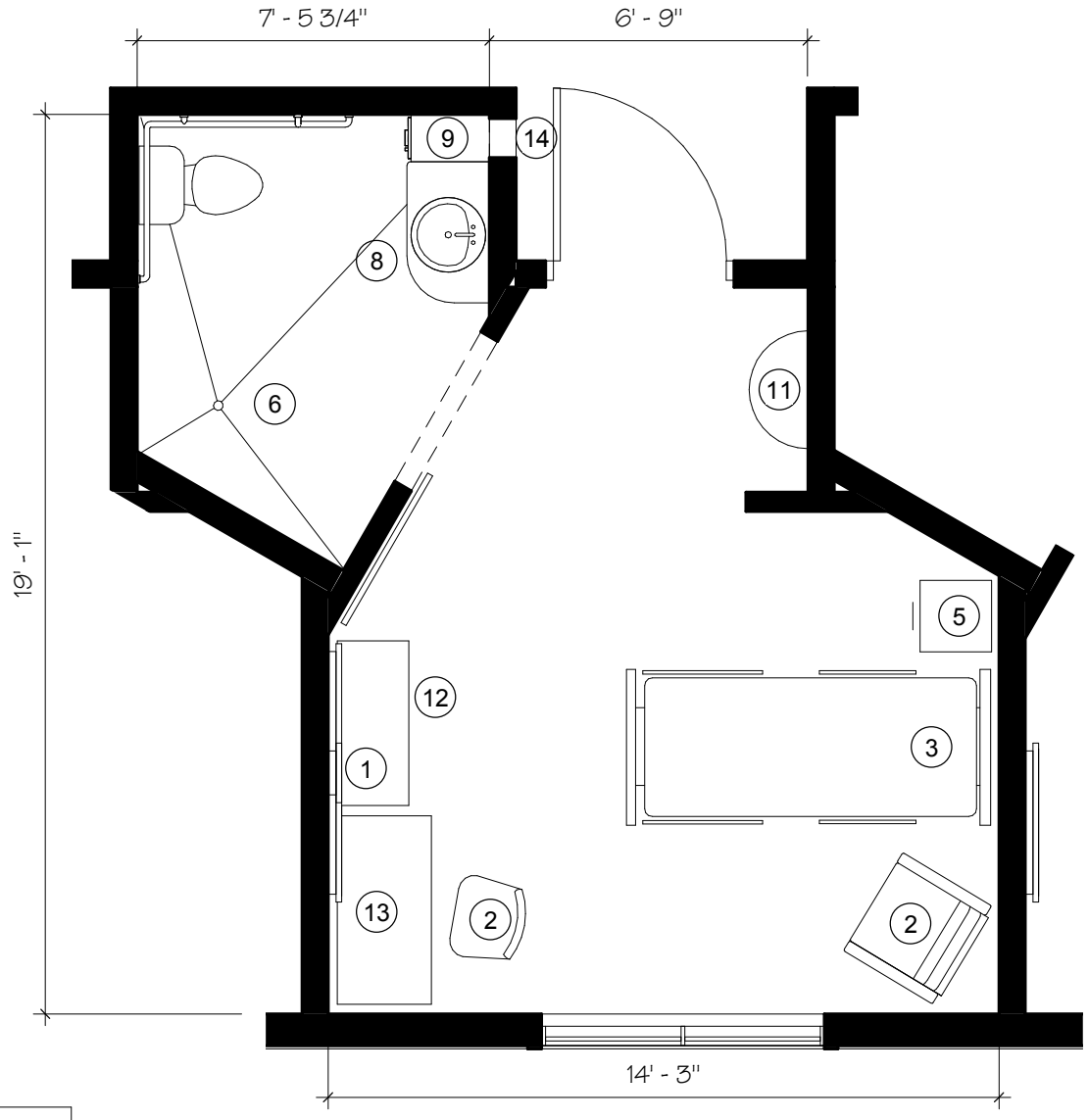
SCHEMATIC DESIGN RESIDENT ROOM (MAY 6, 2016)

Merrill, Wisconsin

PROJECT: 15-135

KEYED NOTES:

1. WALL-MOUNTED FLAT PANEL TV.
2. CHAIR.
3. ADJUSTABLE HIGH-LOW BED.
4. ARMOIRE.
5. NIGHTSTAND.
6. SHOWER: SEAMLESS POURED FLOOR, LARGE TILE OR SOLID SURFACE PANELS ON WALLS.
7. PERIMETER BELOW SLAB RADIANT HEAT, 4FT MINIMUM AT PERIMETER.
8. VANITY WITH INTEGRAL SINK.
9. TALL CABINET.
10. CURTAIN.
11. HALF ROUND TABLE.
12. DRESSER.
13. DESK.
14. NURSE SERVER.



RM.2

NOT FOR CONSTRUCTION - SD - (05.6.2016)

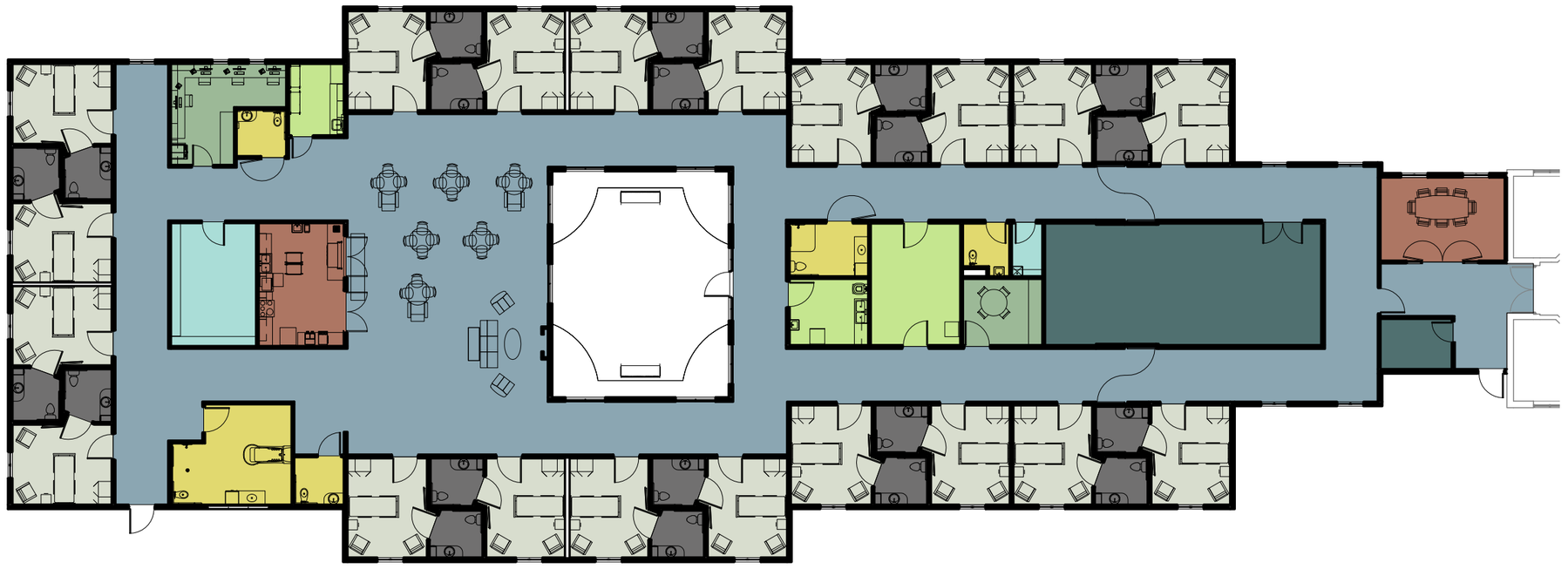
PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN RESIDENT ROOM (MAY 6, 2016)

Merrill, Wisconsin

PROJECT: 15-135

FLOOR FINISH KEY	
CARPET	WOOD SHEET VINYL
WALK-OFF CARPET MAT	SHEET VINYL
COMBINATION VINYL TILE / PLANK	PORCELAIN TILE
VINYL PLANK	FLUID APPLIED FLOORING
VINYL TILE	SEALED CONCRETE



FIRST FLOOR FINISH PLAN

FF.1

NOT FOR CONSTRUCTION - DRAFT - (05.06.2016)

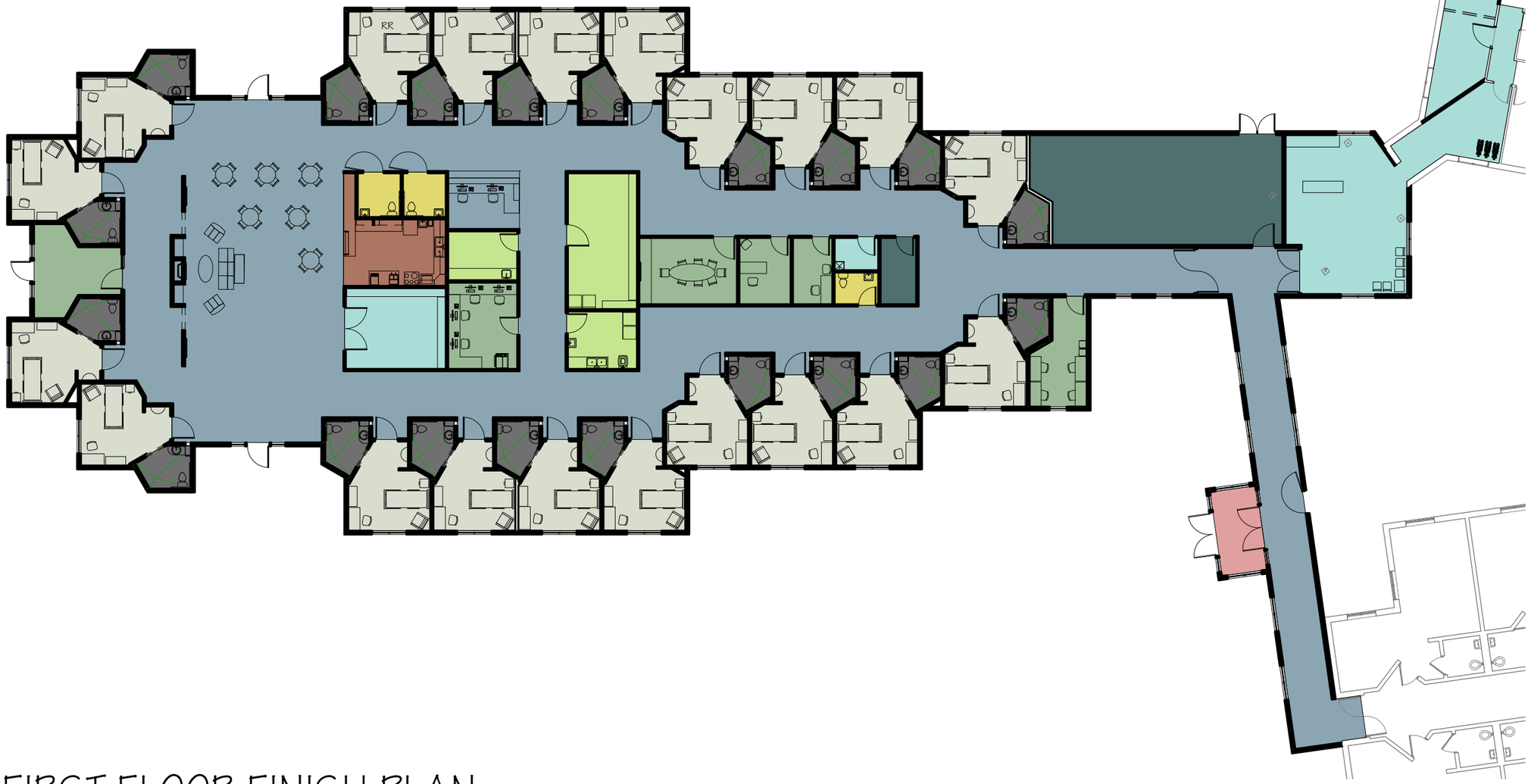
PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN FINISH PLAN (MAY 6, 2016)

Merrill, WISCONSIN

PROJECT: 15-135

FLOOR FINISH KEY	
CARPET	WOOD SHEET VINYL
WALK-OFF CARPET MAT	SHEET VINYL
COMBINATION VINYL TILE / PLANK	PORCELAIN TILE
VINYL PLANK	FLUID APPLIED FLOORING
VINYL TILE	SEALED CONCRETE



FIRST FLOOR FINISH PLAN

FF.2

NOT FOR CONSTRUCTION - DRAFT - (05.06.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN FINISH PLAN (MAY 6, 2016)

Merrill, WISCONSIN

PROJECT: 15-135

GENERAL NOTES:

1. ROOF SLOPE IS 3:12 UNLESS NOTED OTHERWISE

ROOF PLAN - BUILDING A

NORTH

0 5 10 40

RP.1

NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

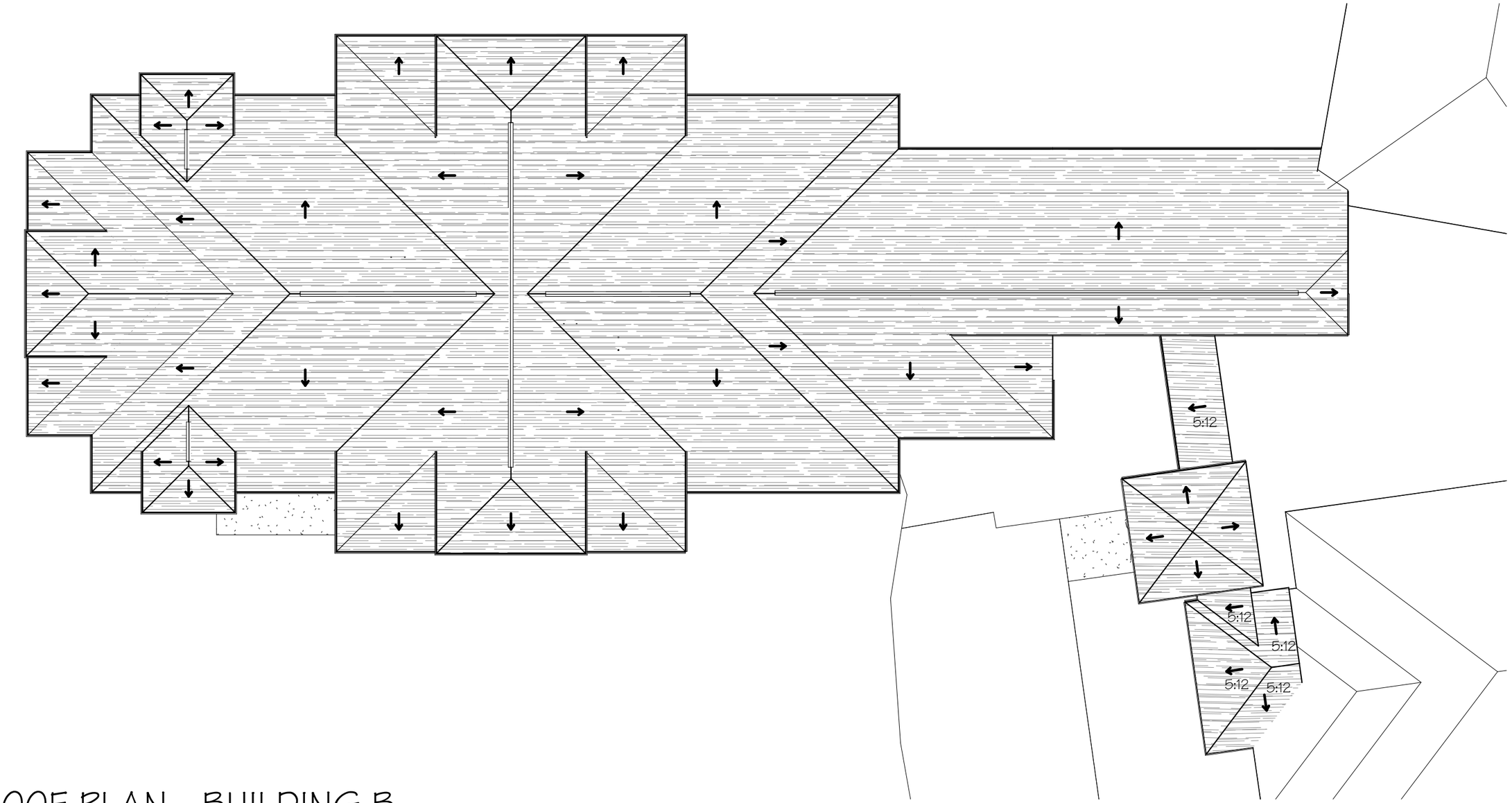
SCHEMATIC DESIGN ROOF PLAN (MAY 6, 2016)

Merrill, Wisconsin

PROJECT: 15-135

GENERAL NOTES:

1. ROOF SLOPE IS 3:12 UNLESS NOTED OTHERWISE



ROOF PLAN - BUILDING B

NORTH

0 5 10 40

RP.2

NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN ROOF PLAN (MAY 6, 2016)

Merrill, Wisconsin

PROJECT: 15-135

AXONOMETRIC VIEW

AXONOMETRIC VIEW

AX.1

NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

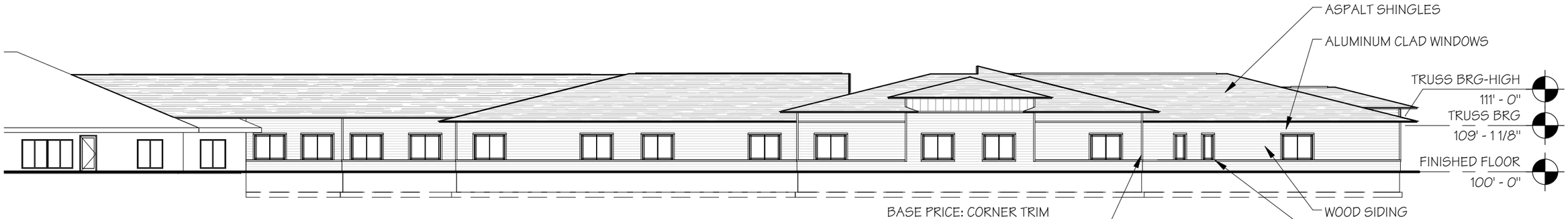
SCHEMATIC DESIGN AXONOMETRIC VIEW (APRIL 20, 2016)

Merrill, Wisconsin

adg

PROJECT: 15-135

EXTERIOR ELEVATIONS- BUILDING A



EXTERIOR ELEVATIONS- BUILDING A

EXTERIOR ELEVATIONS- BUILDING A

EE.1

NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN EXTERIOR ELEVATION

Merrill, Wisconsin

PROJECT: 15-135

EXTERIOR ELEVATIONS- BUILDING B

EXTERIOR ELEVATIONS- BUILDING B

EXTERIOR ELEVATIONS- BUILDING B

EXTERIOR ELEVATIONS- BUILDING B

PROJECT: 15-135

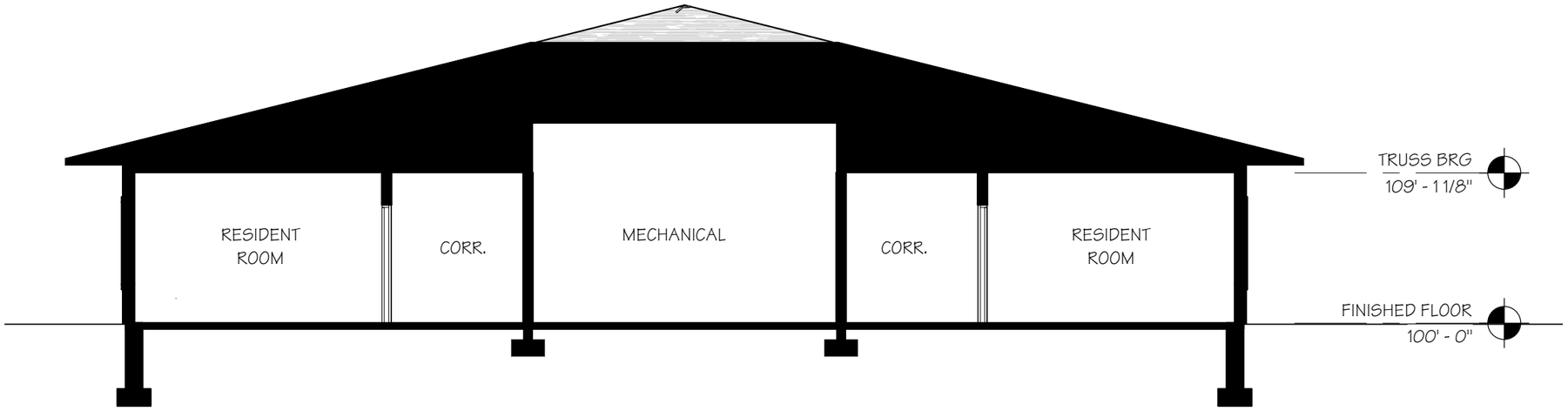
PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN EXTERIOR ELEVATIONS

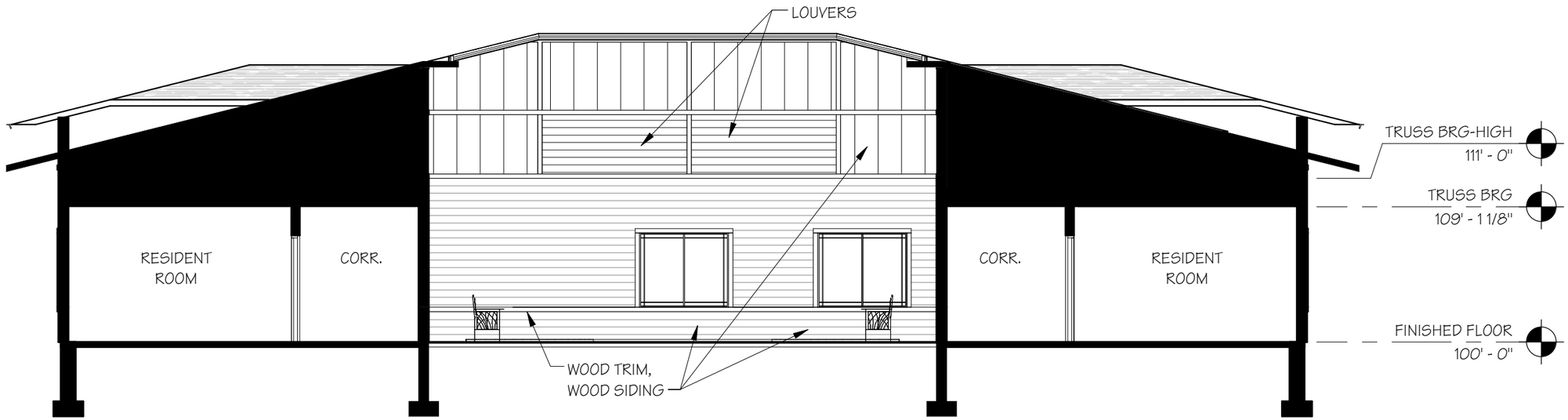
Merrill, Wisconsin

NOT FOR CONSTRUCTION - SD - (05.6.2016)

EE.2



TYPICAL BUILDING SECTION-A



TYPICAL BUILDING SECTION - A

adg

PROJECT: 15-135

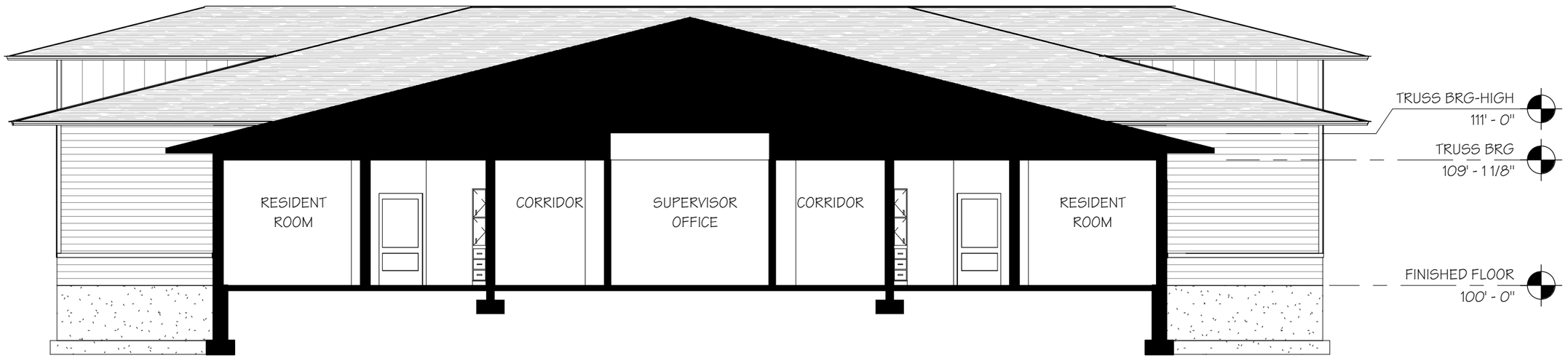
PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN BUILDING SECTIONS (MAY 6, 2016)

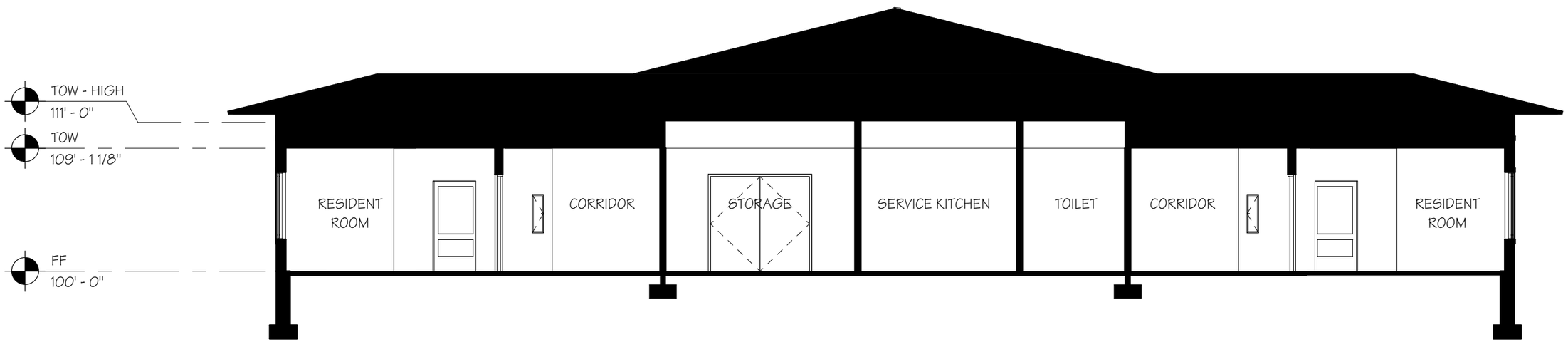
Merrill, Wisconsin

NOT FOR CONSTRUCTION - SD - (05.6.2016)

BS.1



TYPICAL BUILDING SECTION - B



TYP BUILDING SECTION - B

BS.2

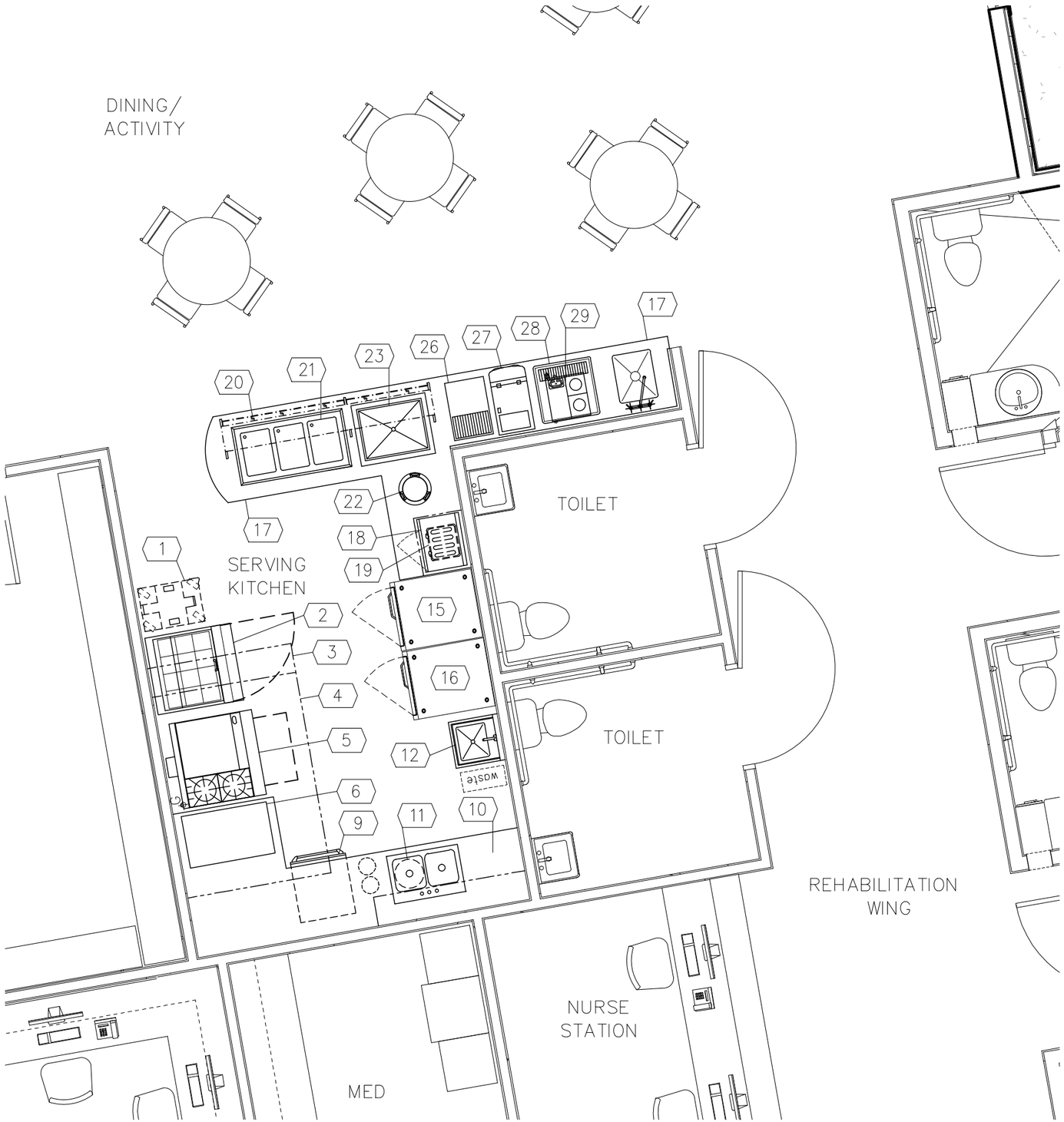
NOT FOR CONSTRUCTION - SD - (05.6.2016)

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN BUILDING SECTIONS (MAY 6, 2016)

Merrill, Wisconsin

PROJECT: 15-135



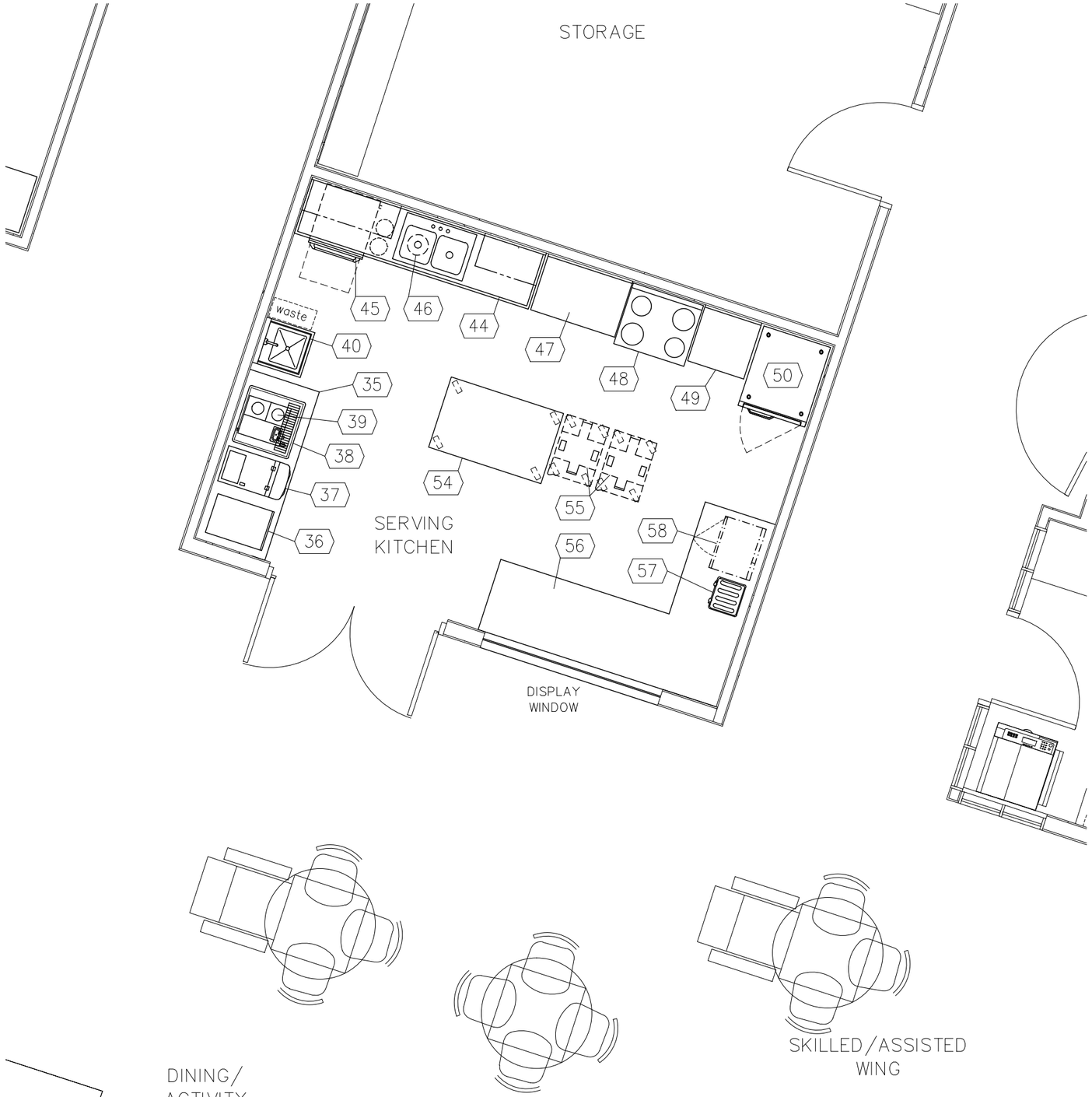
ITEM	EQUIPMENT SCHEDULE
1	TRANSPORT CARTS
2	REFRIGERATED PREP TABLE
3	FIRE SUPPRESSION SYSTEM
4	EXHAUST HOOD
5	RANGE/GRIDDLE/OVEN
6	COUNTERTOP COMBINATION OVEN
7	OPEN NUMBER
8	OPEN NUMBER
9	UNDERCOUNTER DISHWASHER
10	WORKTABLE WITH DROP-IN SINKS
11	DISPOSER
12	HAND SINK
13	OPEN NUMBER
14	OPEN NUMBER
15	REACH-IN REFRIGERATOR
16	REACH-IN FREEZER
17	SERVING COUNTER
18	MICROWAVE OVEN
19	TOASTER
20	BREATH PROTECTOR
21	HOT FOOD WELLS
22	HEATED PLATE DISPENSER
23	COLD FOOD PAN
24	OPEN NUMBER
25	OPEN NUMBER
26	ICE AND WATER DISPENSER
27	JUICE DISPENSER
28	DROP-IN URN TROUGH
29	COFFEE MAKER
30-34	OPEN NUMBER

PROJECT: 15-135

PINE CREST NURSING HOME ADDITION AND REMODEL

FOODSERVICE SCHEMATIC DESIGN FS.1 (5.06.2016)

MERRILL, WISCONSIN



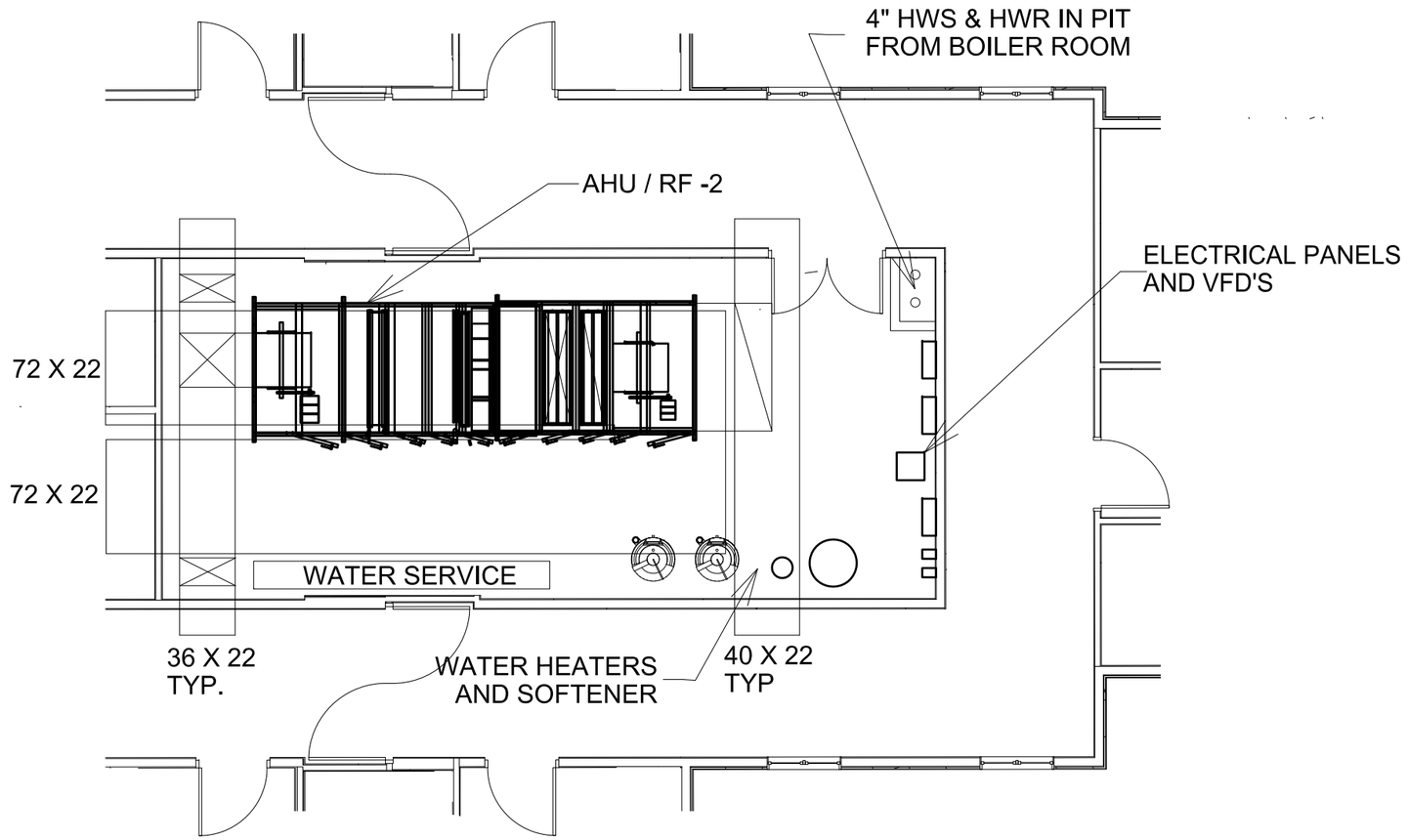
ITEM	EQUIPMENT SCHEDULE
35	BEVERAGE COUNTER
36	ICE AND WATER DISPENSER
37	JUICE DISPENSER
38	DROP-IN URN TROUGH
39	COFFEE MAKER
40	HAND SINK
41	OPEN NUMBER
42	OPEN NUMBER
43	OPEN NUMBER
44	WORKTABLE WITH SINKS
45	UNDERCOUNTER DISHWASHER
46	DISPOSER
47	WORKCOUNTER
48	RESIDENTIAL RANGE
49	WORKCOUNTER
50	REACH-IN REFRIGERATOR/FREEZER
51	OPEN NUMBER
52	OPEN NUMBER
53	OPEN NUMBER
54	MOBILE WORKTABLE
55	TRANSPORT CARTS
56	WORKCOUNTER
57	TOASTER
58	MICROWAVE OVEN

PINE CREST NURSING HOME ADDITION AND REMODEL

FOODSERVICE SCHEMATIC DESIGN FS.2 (5.06.2016)

MERRILL, WISCONSIN

PROJECT: 15-135



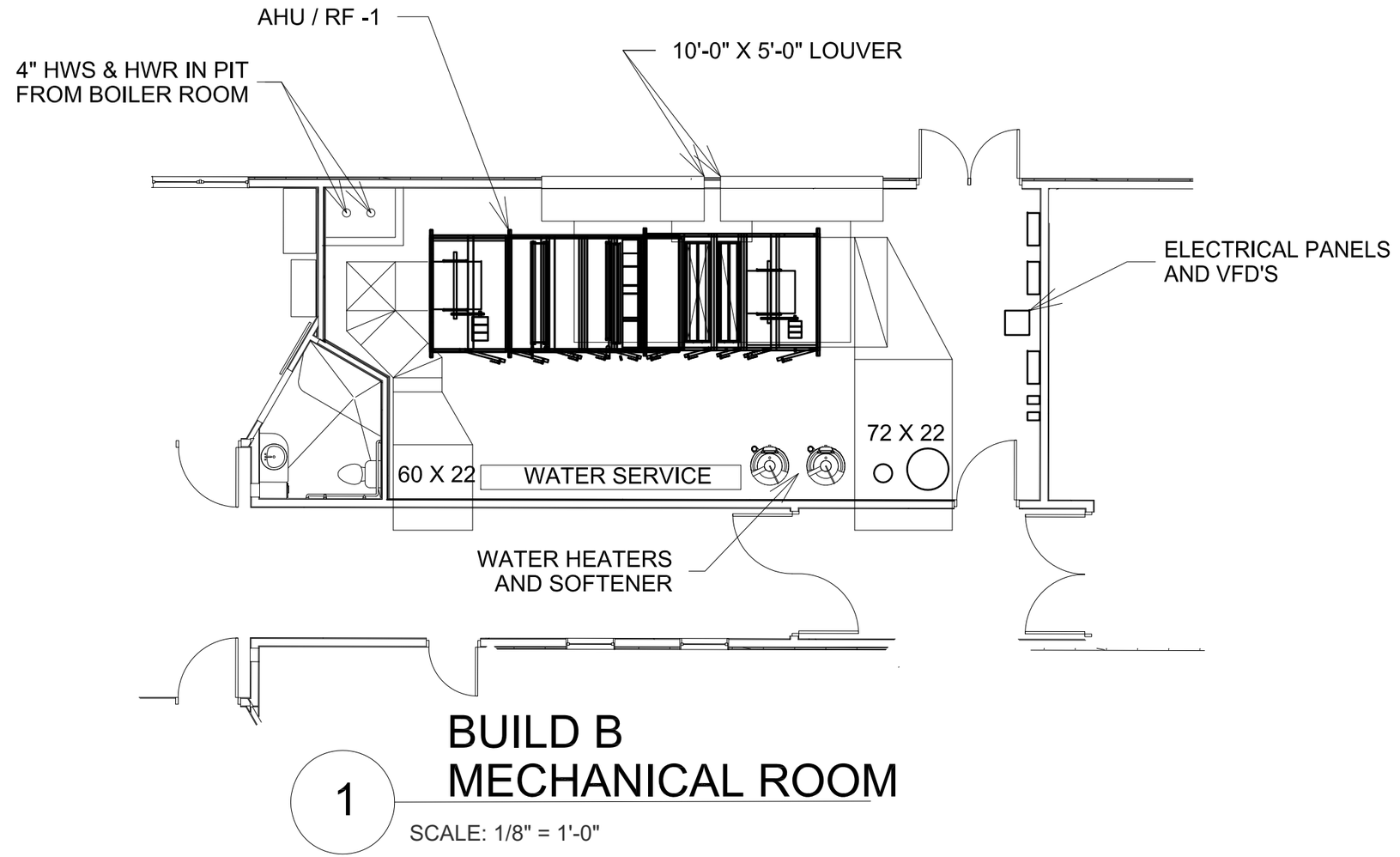
BUILD A MECHANICAL ROOM

1

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

ME.1

PINE CREST NURSING HOME ADDITION AND REMODEL
SCHEMATIC DESIGN C.1 (5.06.2016)
MERRILL, WISCONSIN
PROJECT: 15-135



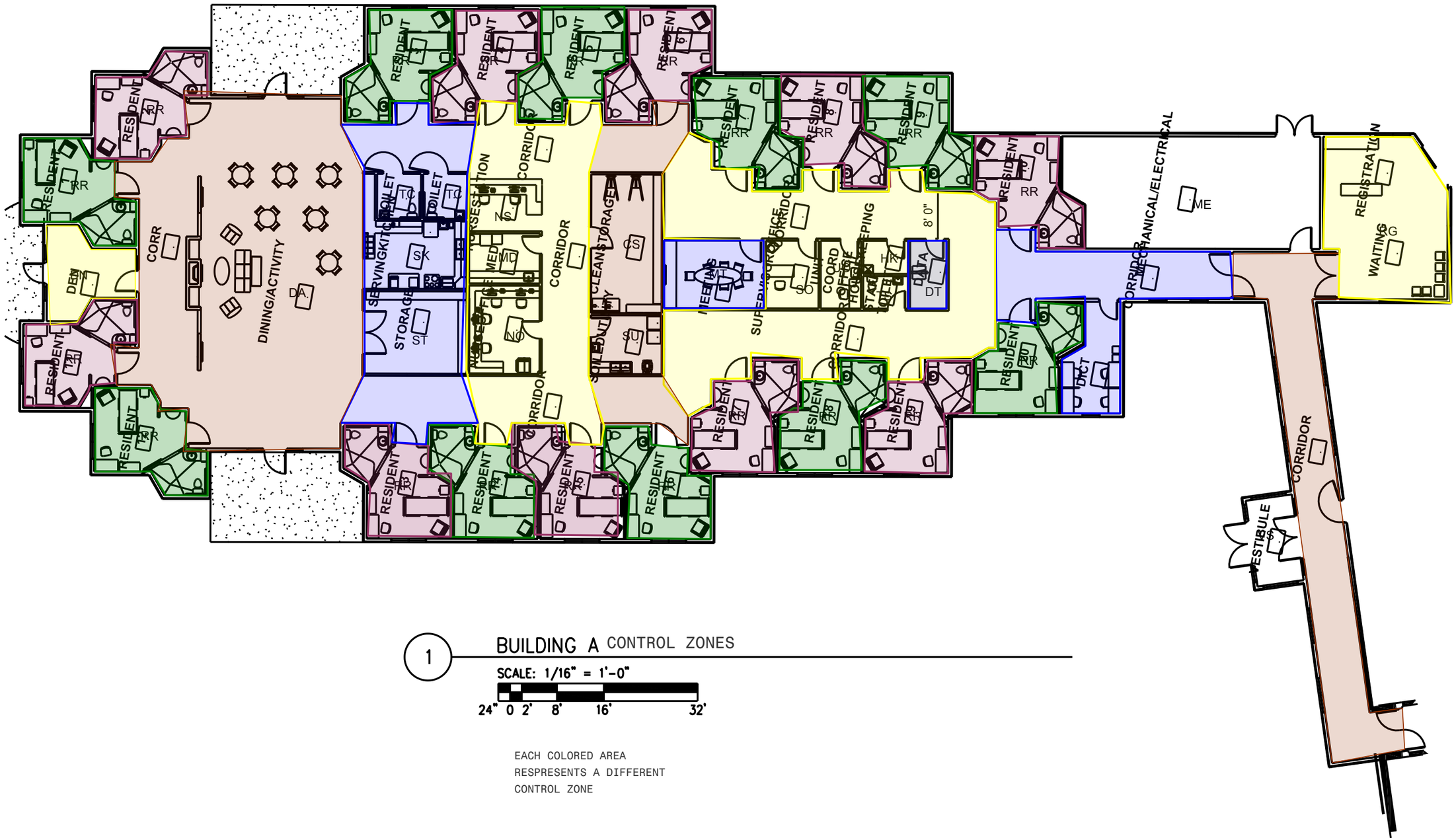
BUILD B
MECHANICAL ROOM

1

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

ME.2

PINE CREST NURSING HOME ADDITION AND REMODEL
SCHEMATIC DESIGN C.1 (5.06.2016)
MERRILL, WISCONSIN
PROJECT: 15-135



1 BUILDING A CONTROL ZONES

SCALE: 1/16" = 1'-0"

24" 0 2' 8' 16' 32'

EACH COLORED AREA
RESPRESENTS A DIFFERENT
CONTROL ZONE

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN C.1 (5.06.2016)

MERRILL, WISCONSIN

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-135

HZ.1

1 BUILDING B CONTROL ZONES

SCALE: 1/16" = 1'-0"

24" 0 2' 8' 16' 32'

EACH COLORED AREA
RESPRESENTS A DIFFERENT
CONTROL ZONE

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN C.1 (5.06.2016)

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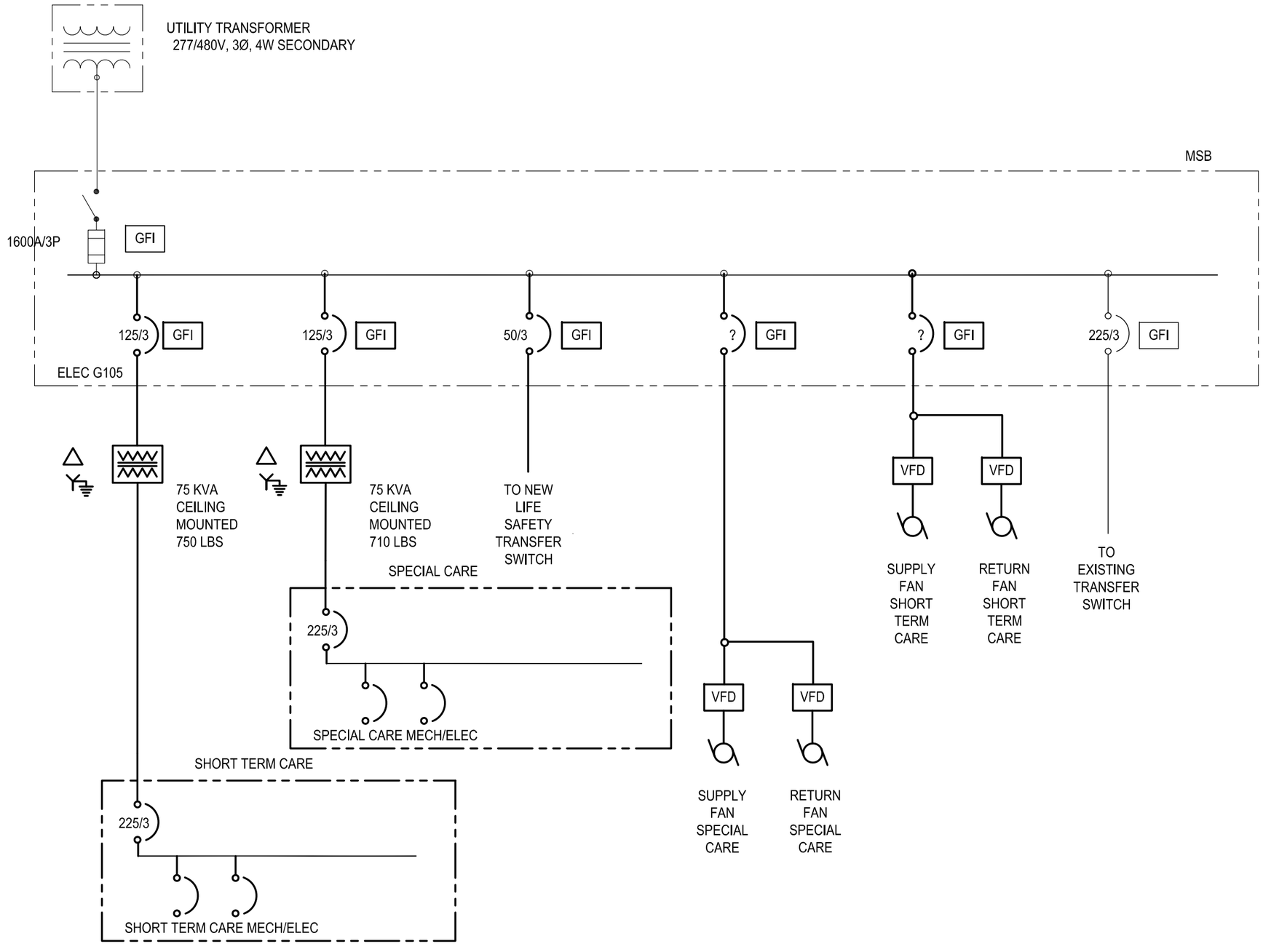
HZ.2

PINECREST



1 NORMAL POWER RISER

NO SCALE

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN ER.1 (05.06.16)

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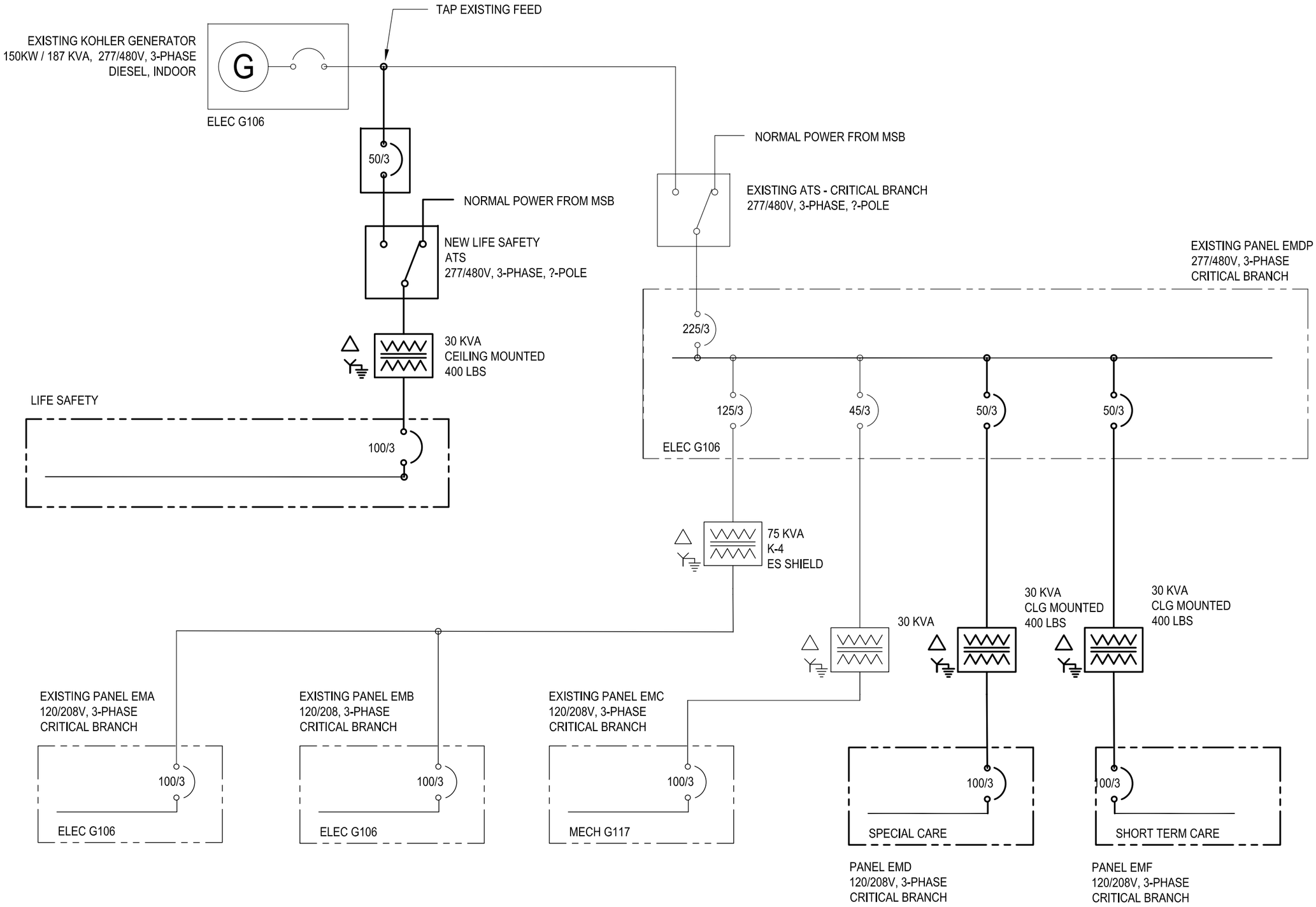

1 EMERGENCY POWER RISER

NO SCALE

PINE CREST NURSING HOME ADDITION AND REMODEL

SCHEMATIC DESIGN ER.1 (05.06.16)

MERRILL, WISCONSIN

PROJECT: 15-135

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