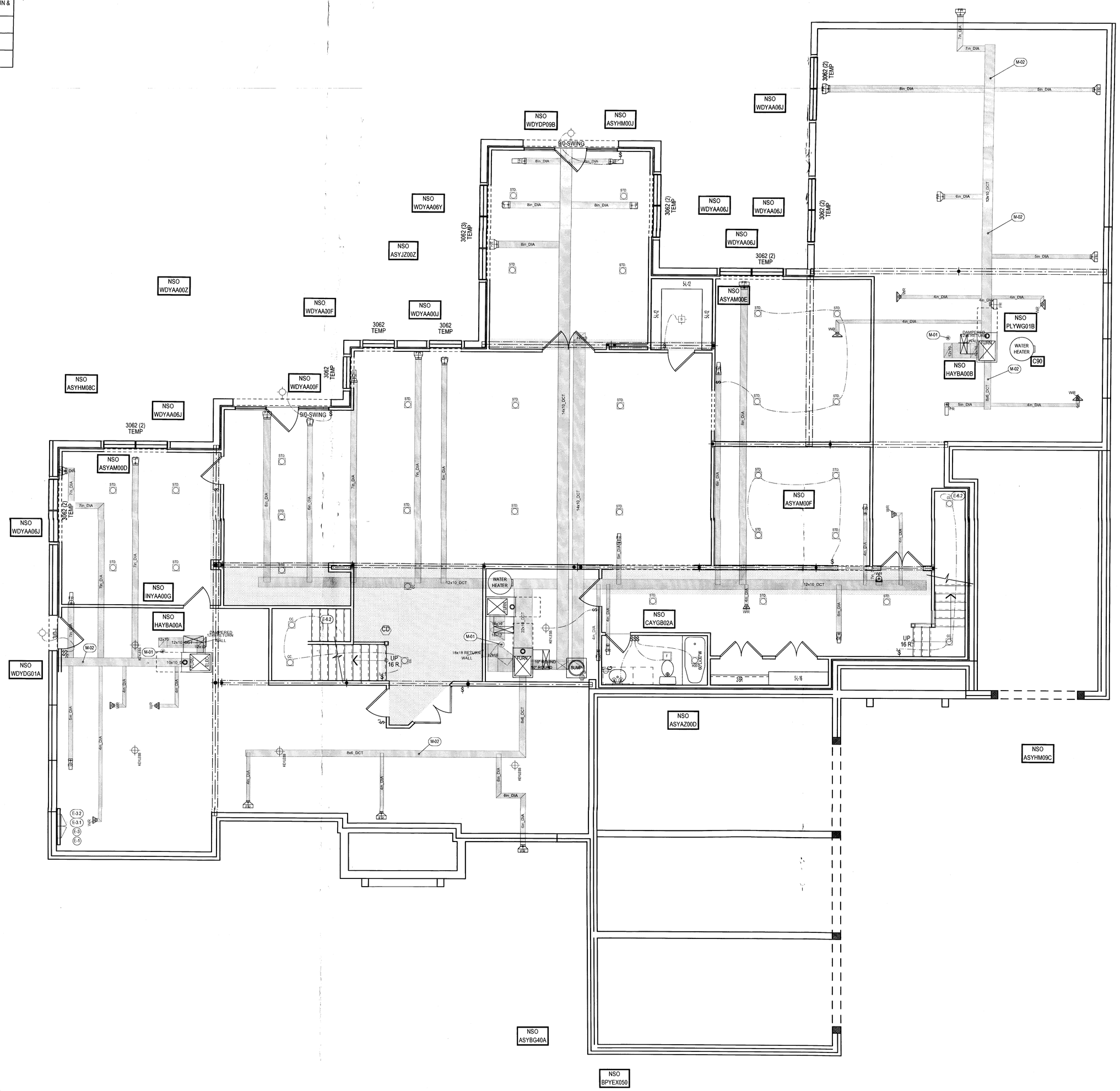
SINGLE POLE SWITCH AT +48"	SERVICE PANEL	PULLCHAIN CEILING FIXTURE	SMALL CEILING FIXTURE	DIRECTIONAL RECESSED FIXTURE	WALL SCONCE
3-WAY SWITCH AT +48"	DUPLEX OUTLET	EXTERIOR HANGING FIXTURE	EXHAUST FAN	LARGE CARRIAGE LIGHT	4 3/4"x12 1/2" FLUORESCENT FIXTURE
4-WAY SWITCH AT +48"	SWITCHED OUTLET	LARGE HANGING FIXTURE	EXHAUST FAN w/ LIGHT	MED. CARRIAGE LIGHT	4 3/4"x21 1/2" FLUORESCENT FIXTURE
SMOKE DETECTOR SHALL COMPLY WITH UL217; IRC Sec R314	WEATHER PROOF GFI OUTLET	MED. HANGING FIXTURE	EXHAUST FAN w/ LIGHT & HEAT LAMP	SMALL CARRIAGE LIGHT	8 1/2"x48" FLUORESCENT FIXTURE
SMOKE/CARBON MONOXIDE DETECTOR SHALL COMPLY WITH UL2075; IRC Sec R315.2	GROUND FAULT OUTLET	SMALL HANGING FIXTURE	STANDARD RECESSED FIXTURE	2 BULB WALL MOUNT BATH FIXTURE	17 3/4"x51 1/2" FLUORESCENT FIXTURE
DOOR BELL CHIMES	220V OUTLET	LARGE CEILING FIXTURE	CLOSE CLEARANCE RECESSED FIXTURE	3 BULB WALL MOUNT BATH FIXTURE	
DISPOSAL	KEYLESS CEILING FIXTURE	MED. CEILING FIXTURE	WATER CONDITION RECESSED FIXTURE	4 BULB WALL MOUNT BATH FIXTURE	

WIRE FOR PADDLE FAN

WIRE FOR PADDLE FAN w/ LIGHT KIT

- FLOOR REGISTER SIZE & FEEDER SIZE
- CEILING REGISTER SIZE & FEEDER SIZE
- WALL REGISTER SIZE & FEEDER SIZE
- WALL RETURN
- RECTANGULAR DUCT RUN & SIZE
- CIRCULAR DUCT RUN & SIZE
- RETURN AIR DUCT SIZE
- SUPPLY AIR DUCT SIZE



NSO NOTES

- ASYAM00D Finish an approx 16x15 space in the basement under the YHYW first floor Owner"s suite as a Den. Includes installing a single door access from the optional Recreation room. Includes 4 recessed lights and electrical outlets per code.
- ASYAM00E Finish an approx 16x17 space with a walk-in storage closet in the basement under the Kitchen and In-Law suite as an Exercise room. Includes installing a single door access from the optional Recreation room. Includes 4 recessed lights and electricaloutlets per code in the room and a ceiling mounted fixture on a single switch in the closet.
- ASYAM00F Finish an approx 16x12 space in the basement under the Kitchen and In-Law suite as a Media room. Includes installing a single opening access from the optional Recreation room. Includes 4 recessed lights and electrical outlets per code.
- ASYAZ00D Expand and re-design the optional expanded finished Recreation room to include space below the Kitchen/Breakfast area and all YHYW expansions to the main house. Optional basement Bath re-located to accommodate. Includes a switched outlet with electricaloutlets per code in all expanded spaces and NO additional ceiling light fixtures.
- ASYBG40A Expand the Garage 4-feet to the front. NO additional living space included.
- ASYHM00J Install a 18x21 rear Solarium expansion on the 1st floor with and an unfinished basement below. Price includes boxed tray ceiling and 4 recessed lights similar to the standard optional rear Solarium. Includes an additional heat pump to supply theSolarium located in the basement below. Access to the Solarium from the Breakfast room to be a double glass door with transom.
- ASYHM08C Expand the optional side Solarium to install an approx 16x42 first floor Owner"s suite in lieu of the standard second floor Owner"s suite, connected through a hallway behind the Living room. Includes a Bedroom with tray ceiling; two walk-in closets; astorage closet with a keyed lock; and a 4-piece luxury bath with Kohler K-1115 rectangular soaking tub in tile deck, cutsom mud-set floor shower with seat, standard toilet, Linen closet, and separate vanity cabinets with cultured marble integral sinksand rectangular wall mirrors with standard lights above. New Bath includes 4x4 white/bone ceramic tile floor, 2x2 white/bone ceramic tile shoer floor, and 4x4 white/bone ceramic tile wall surround at shower, and standard bath hardware. Bedroom includes s
- ASYHM09C Install an approx 30x68 first floor In-Law suite with an additional attached single-car Garage space, connected through a hallway behind the Mud room. Includes a Bedroom with two walk-in closets, a 3-piece bath with shower, standard toilet, stackedwasher/dryer hookups in a closet, and a double vanity with cultured marble integral sinks and rectangular wall mirror with standard lights above. Walk-in closets include a standard ceiling mounted light fixture on a single switch in each and standardwire shelving. Living spaces include Entry space with Powder room and coat closet, Living/Dining area, a Prayer room, and a Kitchen with island of Aristokraft cabinetry and level 2 granite countertops with spaces for future refrigerator, range, and dishw
- ASYJZ00Z Expand and re-design the Garage, Study, Family Room, Kitchen/Breakfast Room, and all Bedrooms above per drawings dated 07/31/15. First floor re-deigns includes revising the stair to a U-shaped configuration, locating between the Living room and Study;extending the center Hallway to connect to a first floor Owners suite [priced separately] on the side of the Living room and an in-law suite [priced separately] with re-located back stair and a new Laundry room on the side of the Kitchen. Second floorre-designs include closing off the upper story of the 2-story Family room; re-configuring the Bedrooms to insall a walk-in closet and private Bath with shower in each Bedroom; and creating a new second floor Family room and Office space with Powder room.
- BPYEX050 Install a brick watertable on the front elevation at the Garage in lieu of the standard stone. Includes brick from grade to above the first floor, capping with rowlock sill, maintaining the standard stone above.
- C90 The second water heater is to service the In-Law Suite, Laundry room, and Bath 4 & 5.
- CAYGB02A Install 35-inch high vanity cabinet [VSB3635] in the optional Basement Bath.
- HAYBA00A Install a gas furnace in lieu of the standard heat pump with the optional first floor Owner"s suite. Air conditioning to remain per standard specifications. Includes providing a flue space for B-vent to the roof.
- HAYBA00B Install a gas furnace in lieu of the standard heat pump with the optional first floor In-Law suite. Air conditioning to remain per standard specifications. Includes providing a flue space for B-vent to the roof.
- INYAA00G Install a single 2668 standard door in a 2x4 framed wall.
- PLYWG01B Install an additional 65 gallon gas water heater.
- WDYAA00F Install a single 3052 hung window in the basement in lieu of a standard 2842 hung window.
- WDYAA00J Install a single 3052 hung window in the basement.
- WDYAA00Z Revise all basement hung windows to xx62 high. Window head to be raised 4inches, reducing the sill height. Includes 13 windows.
- WDYAA06J Install a twin 3052 hung window in the basement.
- WDYAA06Y Install a triple 3062 hung window in the basement.
- WDYDG01A Install a 3068 solid, two-panel egress door from living space. Includes exterior light fixture. Safety rail installed if grade is greater than 8-inches below the door threshold.
- WDYDP09B Install a 9068 swing door in the foundation wall with the walk-out basement option. Includes one active leaf and two permanently fixed panels.

HVAC ACCEPTABLE PLAN VARIATIONS

1. SUPPLY REGISTER LOCATIONS ARE PERMITTED TO SHIFT +/- 4'-0" IN ANY DIRECTION PROVIDED THE FOLLOWING:
   - A. NO ADDITIONAL ELBOWS HAVE BEEN ADDED TO THE ORIGINAL LAYOUT.
   - B. THE SUPPLY BRANCH DUCT ORIGINATES FROM THE SAME SUPPLY TRUNK SECTION.
   - C. NO ADDITIONAL JOISTS HOLES ARE CUT.
2. FLOOR REGISTERS MAY BE CHANGED TO WALL REGISTERS AND VICE VERSA IN BATHROOMS, CLOSETS, ETC., PROVIDED THE ABOVE CONDITIONS ARE MET.
3. SUPPLY REGISTER SIZES ARE THE RESPONSIBILITY OF THE HVAC CONTRACTOR AND SHALL PROVIDE AN ADEQUATE THROW AND FACE VELOCITY BELOW 500 FPM.
4. RETURN AIR GRILLE SIZES SHOWN ON PLAN ARE THE MINIMAL ACCEPTABLE GRILLE AREA. LARGER GRILLES ARE PERMITTED.

KEY NOTES

- E-1 ELECTRICAL PANEL BOX. REFER TO GENERAL NOTES FOR MORE INFORMATION.
- E-3 ELECTRICAL PANEL LOCATION MAY VARY BASED ON THE ELECTRICAL SERVICE ENTRANCE.
- E-3.1 CONTRACTOR TO ASSURE THAT ALL REQUIREMENTS OF ELEC. PANEL (IE. CLEARANCE, LOCATION, MOUNTING AND ACCESSIBILITY ETC.) ARE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND OR THE LOCAL JURISDICTIONS CURRENT REGULATIONS
- E-3.2 THE POSITION OF THE PANEL BOX IS FOR SCHEMATIC USE ONLY. THE EXACT LOCATION WILL VARY BETWEEN UNITS DEPENDING ON THE LOCATION OF SERVICES AND THE SITING OF UNIT
- E-6.2 TO SWITCH ABOVE

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

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SET NUMBER: 09RA99

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BASEMENT MECH/ELEC PLAN

ME
02.00.00