

General:
All work governed by state and local codes, ordinances and regulations wherever they may apply. Designers liability limited to the preparation of drawings, within the parameters contracted and ascertaining code compliance.

Sitework:
All utilities shall be located before starting excavation. All organic topsoil inside the building area, under all paved areas and at site fill areas shall be stripped. All subgrade fill shall be placed in uniform layers not exceeding 8" tick and compacted to 90% of maximum dry density. Finish material under all paved areas to be 6" bed of clean compacted gravel with ¾" maximum aggregate size. Fill may not be placed on frozen ground or frozen materials used for fill. The building site shall be graded away from the building at a minimum of 1% slope or as shown on the plan.

Concrete:
All concrete work shall conform to ASI 318 standards and obtain a minimum compressive strength of 3000 PSI at 28 days. Maximum aggregate size to be ¾" for all concrete work, except footing slump is not to exceed 4". All concrete exposed to weather shall be air entrained with 4-7% air content. Floor slabs shall have construction joints or saw cuts to be ¼ the thickness of the slab. Verify cut locations with owner. All interior slabs to have a hard-troweled finish and exterior slabs to have a light broom finish. Pitch slabs uniformly toward any drains as shown. All concrete is to be seal-coated if used as the finished surface. Furnish and place all reinforcing steel and welded ire mesh as called for. Reinforcing steel shall be Grade 60, deformed, meeting ASTM A-615. Welded wire mesh shall conform to ASTM A-185. Thickness of concrete over reinforcement shall be 3" minimum where concrete is in contact with the ground and 1.5" elsewhere. All reinforcing bars shall be lapped a minimum 24 bar diameter or 16" minimum and welded wire mesh lapped 6" minimum. All reinforcement shall not be painted and shall be free of grease, oil, dirt or deep rust.

Adhered Masonry Veneer:
1-1/4" thick stone veneer over metal lath secured to substrate at 6" o.c. with ½" scratch coat mortar base. 3/8"-1/2" min. head & bed joints. Final material selection: TBD

Structural Steel
1. Open Web Steel Joists:
2. Steel Floor Decking:
3. Steel Roof Decking:
4. Cold Formed Metal Stud Framing:
5. Cold Formed Steel Floor Joists:
6. Cold Formed Steel Roof Joists:

Carpentry:
1. Blocking: 2x Southern White Pine
2. Architectural Casework: Custom By Owner
3. Stairs ¾" Plywd w/ rubber treads
4. Handrail: 1-1/4" Dia Oak- Stain & Varnish.

Insulation:
1. Foundation Insulation: 2" Extruded Polystyrene: R-10
2. Above Grade Insulating Sheathing: 1" Extruded Polystyrene: R-5
3. Wall Cavity Insulation: 6" Fiberglass Batt R-21.

EIFS:
Standard Class PB Exterior Insulation and Finish System (EIFS): Adhesive, 2" Extruded Polystyrene Insulation (XPS) Board, Base Coat with embedded Reinforcing Fabric Mesh, Primer and Finish Coat. This system is installed over ½" glass mat gypsum sheathing.

Vapor Retarders:
Exterior Walls: 6 mil poly
Under Slab: 10 mil Griffolyn Vapor Retarder, 0.27 Grain/Hr-Ft²-InHg

Air Barrier:
Walls: Tyvek Commercial Wrap, Building Wrap, Air & Water Barrier. Air permeability: 0.01 cfm/ft² @ 1.57 lb/ft².

Roof:
Firestone Ultraply Thermoplastic polyolefin Roof membrane, 0.45 mil, mechanically attached; Firestone Hail Guard tapered Extruded Polystyrene Roof insulation with integral ½" OSB nail base. Class A Roof Rating. Minimum roof insulation 2" at drain sump. Average R-value: R-30, minimum.

Flashing:
Pac Clad Prefinished Aluminum Flashing, 0.32 Gauge, Clear Anodized.

Sealants:
Exterior building joints: Tremco Dymeric 240: One-part polyurethane, non-sag
Windows/ Glazing: Tremco Spectrem 1

Doors & Frames:

- Door 100A: 3'-0" x 7'-0" Aluminum Storefront Door, fully glazed, in thermally broken Aluminum Storefront frame. Tempered glazing. Push/Pull hardware with double keyed deadbolt. Sign on glass to read: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" in 1" white letters. Door Closer.
- Door 100B: 3'-0" x 7'-0" Aluminum Storefront Door, fully glazed, in aluminum storefront frame. Tempered glazing. Push/Pull hardware and door closer.
- Door 101: 3'-0" x 7'-0" Flush Wood Door, 18 Gauge Knock down hollow metal frame, Storage Lock lever hardware.
- Doors 104 and 105: 3'-0" x 7'-0" Flush Wood Door, 18 Gauge Knock down hollow metal frame, privacy lock lever hardware, closer, kick-plate.
- Door 107: 3'-0" x 7'-0" 18 Gauge Galvanized insulated hollow metal door, 16 Gauge Galvanized, insulated hollow metal frame, closer, kick-plate, lever hardware with office lockset. U-0.31
- Door 201: 3'-0" x 7'-0" Flush Wood Door, 18 Gauge Knock down hollow metal frame, office lock lever hardware.

Aluminum Storefront Framing:
Kawneer, Encore Framing System- Thermally Broken Aluminum Storefront System, Clear Anodized Finish, 4 ½" front glazed w/ 1" insulating glass.

Glazing:

- Exterior Insulating Storefront/window Glazing: 1" insulating glass, Low E coating on Surface 3, Viracon VUE1-50 U-0.29; SHGC: 0.29
- Vestibule Glazing & Door Glazing: ¼" Tempered Glass: Viracon VS1-20 U-1.02
- Mirrors: ¼" Tempered Silvered Flat Glass Mirror with polished edges.

Gypsum Board Assemblies:

- Exterior Gypsum Sheathing: ½" Georgia Pacific DensGlass.
- Interior Gypsum Board: 5/8" Type X. Finish: Level 4- Typical

Tile:
Floor Tile: 6 x 6 Quarry Tile, Color: TBD
Floor Base: 5" Quarry Tile cove base, Color: TBD
Grout: Sanded grout, ASTM C-920, Color: TBD
Toilet Room Walls: 2" x 4" white porcelain subway tile. Grout: White, ASTM C-920.

Suspended Acoustic Ceiling:
Ceiling Grid: Armstrong Prelude XL HRC 15/16" suspension system. Provide 20 gauge wire supports at 48" o.c. Grid installed in 2' x 2' pattern.

Ceiling Panels: Armstrong Cirrus High NRC- 556, Tegular edge, 15/16" profile, NRC: 0.75; CAC 35 .

Paint:

- Exterior: Il exposed metal surfaces shall be primed with a rust inhibiting primer and painted. Color TBD.
- Interior:
 - Gypsum Board ceilings & Soffits: Primer coat plus two paint coats. Sheen: Flat. Product: Acrylic Latex. Color: TBD.
 - Typical Walls: Primer coat plus two paint coats. Sheen: Eggshell. Product: Acrylic Latex. Colors: TBD. One neutral plus two deep accent colors.
 - Kitchen Walls & Ceiling: Primer coat plus two paint coats. Sheen: Semi-gloss. Product: Epoxy paint. Color: TBD.

Signage:

- Exterior:
 - Accessible parking stall sign.
 - Overhead clearance sign at Drive-Thru
 - Monument Sign: By Owner
 - Electronic Menu Board: By Owner
- Interior:
 - Restroom Signs: (1) sign each, door mounted for Men and Women. Accessible signs with raised letters, graphic icon for men or women, international symbol for accessibility, and braille.
 - Overhead menu board: By Owner.
 - Interior feature graphic w/ Logo: By Owner.

Interior Casework, Millwork & Custom Furnishings:

- Booth Seating: Shelby Williams BZ Booth with vinyl upholstered spring seat, upholstered inside back, laminated base and outside back with wipe-out channel. Finish Colors TBD.
- Tables:
 - Booth Tables: 60" x 30" vinyl edged plastic laminate with wall mount bracket. Tables mounted at 32" AFF.
 - Freestanding Table 48" x 48" vinyl edged plastic laminate with B95 pedestal base. Table surface at 32" AFF. Table is 1 ¾" thick.
- Chairs: Shelby Williams- 8667

Equipment:

- Foodservice Equipment:
 - 24" Deep Fryer
 - Fry dump and sort tray
 - 60" Griddle/grill & char broiler
 - 36" Convection Oven
 - 10'-0" Type I Kitchen Exhaust Hood 3000 CFM with ANSUL extinguishing system.
 - Reach-in Refrigerator
 - Reach-in Freezer
 - Refrigerated Sandwich Unit
 - Ice maker
 - Soda Dispenser.
 - Frozen custard machine

Plumbing:
To be reviewed by MN DLI- CCLD Plumbing Unit under separate cover.

Mechanical:

- Service water heater: A.O. Smith 80 gallon Conservationist Power Direct Vent Gas Fired Tank Water Heater. 80% Efficient
- Rooftop Unit: Goodman CPG Commercial Packaged Gas/Electric Rooftop Unit. Model: CPCG 090 350 3 B A Cooling: 7.5 Ton, 13 SEER, R430 Economizer: Downflow direct. Heating: 350,000 Btu Gas, 80% AFUE Total Air Output: 3375 CFM, 10% OA Exterior Ductwork insulated to R-8 with weatherproof jacket.
- Restroom Exhaust: Nutone 696N, 50 CFM, operate on light switch.

Electrical:

- Light Fixtures:
 - Exterior Façade Lighting: Insight-Medley X RGBW LED Fixture 30 W, RGB 10° x 60°
 - Exterior Fiber Optic Accent lighting: DEL Lighting Fiber Optics, 36 Watt Neutral White LED 700 Lumen.
 - Ceiling Lighting: 2x2 LED Backlit troffer fixtures; 50 Watts, 4,250 Lumens
 - Pendant lighting at Booth Seating: Manette Grande LED Pendant, 15 watts, 940 Lumens
 - Drive thru canopy Downlights: Lithonia 6BPMW HL LED, 950 Lumen, 12.7 Watts
 - Wall pack security light: Lithonia DSXW1-10C LED, 1264 Lumens, 20 Watts.

Energy Code:
Compliance Path: IECC Prescriptive

Trustworthy Builders, Inc
5000 Whiteout Way, Glacier, MN 55199
Contact: Jan Johansson PH: 507-234-5678
Email: JJ01@TrustworthyBuilders.com

Revisions:

Specifications
Scale: NS

Sammy's Submarine Sandwiches
1234 Main Street, Glacier, MN 55199

3/4/2016

2