

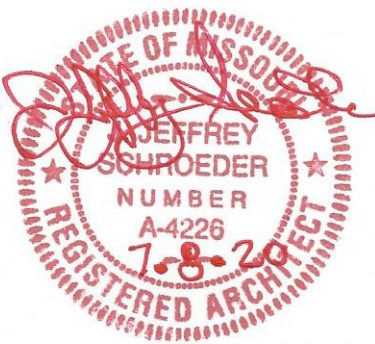
scharhag
HERMAN A. SCHARHAG COMPANY ARCHITECTS

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TENANT FINISH FOR
Z HAIR ACADEMY
232 OLDHAM PARKWAY, LEES SUMMIT, MO

J. Jeffrey Schroeder Mo. License A-4226
Herman Scharhag Co., Arch. Cert. of Authority A-22



| No. | Description | Date |
|-------------------|-------------|------|
| Revision Schedule | | |

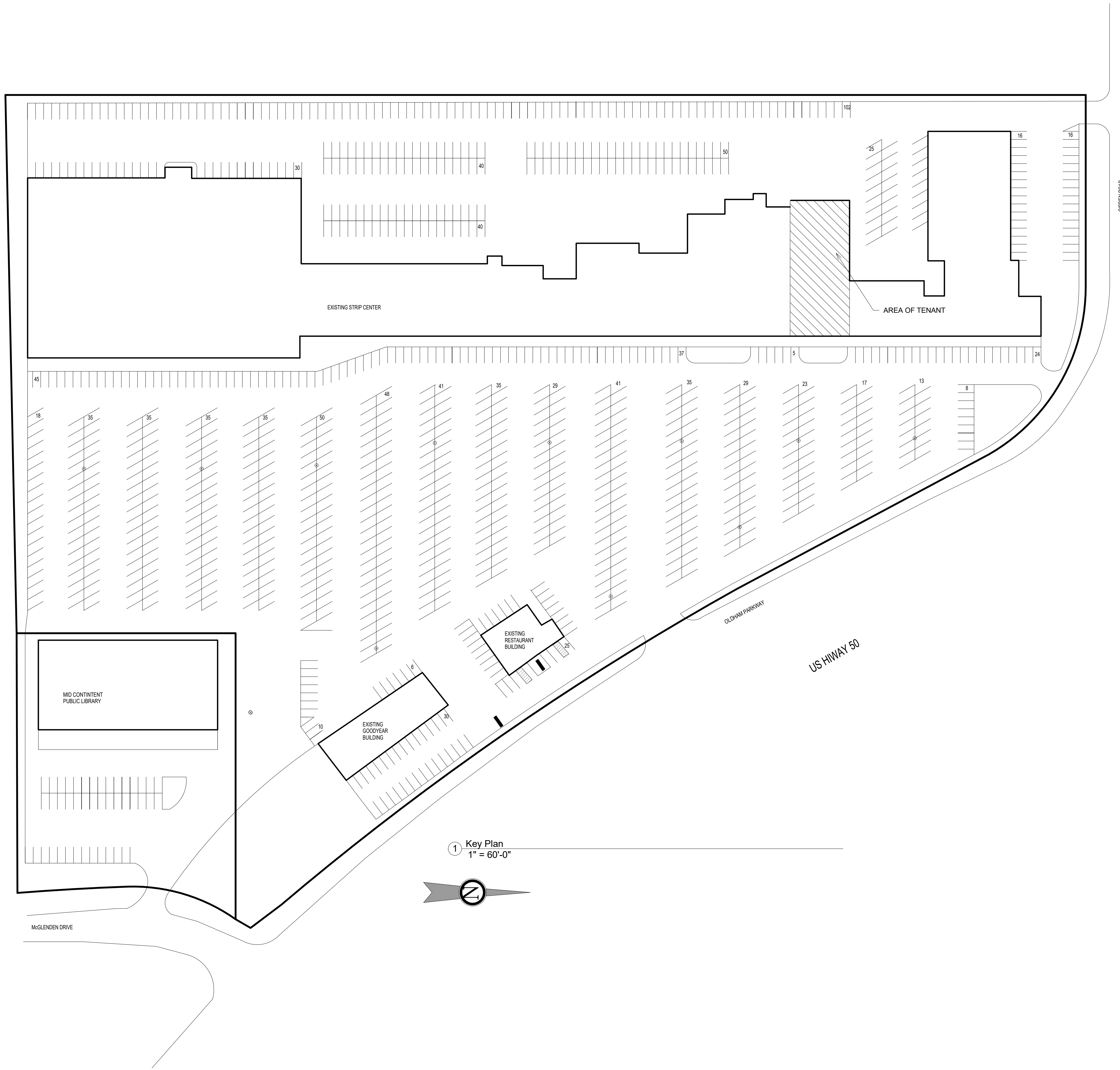
Demo Plan

Project number 2280
Date 06.26.2020

A001

Scale 1/8" = 1'-0"

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1 Key Plan
1" = 60'-0"

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|-------------------|-------------|------|
| Revision Schedule | | |

Key Plan

| | |
|----------------|------------|
| Project number | 2280 |
| Date | 06.26.2020 |

A100

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| Scale | 1" = 60'-0" |
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| Door Schedule | | | | | |
|---------------|-------------------------|-------------------------|--|---------------|----------------|
| Number | Family | Type | hardware type | Door Material | Frame Material |
| 001 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 002 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 003 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 004 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 005 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 006 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 007 | Single-Flush | 3 x 7 Toilet | Latchset w/ lever handles, strike plate, 1 1/2 pair hinges, closer | WD | HM |
| 008 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 009 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 010 | Storefront Entry | Store Front Double Door | | AL | AL |
| 011 | Single-Flush | 3 x 7 Office | Lockset w/ lever handles, strike plate, 1 1/2 pair hinges | WD | HM |
| 012 | Double-Flush | 6x7 Interior | Lockset w/ lever handles, strike plate, 2 1/2 pair hinges | WD | HM |
| 013 | Storefront Entry Single | Store Front Single Door | | AL | AL |

HM = 16 GA. HOLLOW METAL, PAINTED
WD = SOLID CORE RED OAK, STAINED
AL = ANODIZED ALUMINUM
IRP = IMPACT RESISTANT PLASTIC

HARDWARE SHALL BE MEDIUM DUTY COMMERCIAL GRADE. DOOR HARDWARE SHALL CONSIST OF BUTTS, LATCHSET OR LOCKSET, SILENCERS, SMOKE GASKETING FOR RATED DOORS, CLOSERS WHERE NOTED, PANIC DEVICES WHERE NOTED. EXTERIOR DOORS SHALL ALSO HAVE THRESHOLD, WEATHERSTRIPPING, SWEEP AND KEYED LOCK. CONTRACTOR SHALL COORDINATE ALL LATCH/LOCK FUNCTIONS AND KEYING OF LOCKS WITH OWNER. MAX. THRESHOLD = 1/2". ALL HARDWARE TO BE LEVER TYPE OR PUSH/PULL. ALL DOORS IN EGRESS PATHWAYS SHALL BE FREE TURNING FOR EXITING. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. FURTHER, ALL EGRESS DOORS FROM ROOMS AND EXTERIOR EGRESS DOORS, FOR GROUP A AND GROUP E OCCUPANCIES SHALL NOT HAVE A LOCK OR LATCH OTHER THAN PANIC HARDWARE. ALL DOOR THRESHOLDS SHALL BE A MAX. OF 1/2" ABOVE FLOOR LEVEL AND BOTH SIDES SHALL BE BEVELED AT A SLOPE OF 1:2. SCHLAGE OR EQUAL STANDARD DUTY HARDWARE (SATIN CHROME) WITH LEVERS.

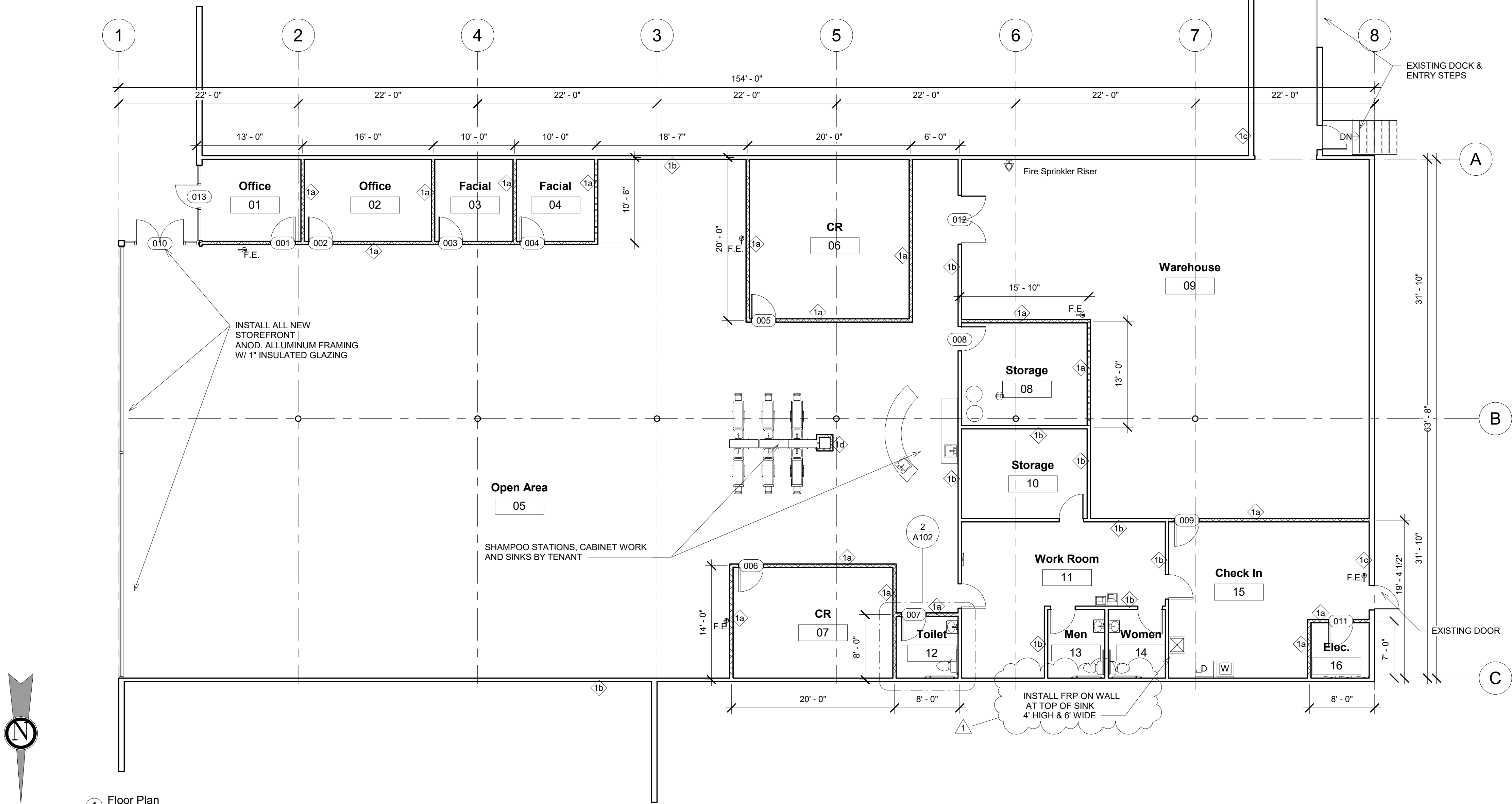
GLASS IN DOORS AND SIDELIGHTS SHALL BE SAFETY GLASS PER IBC SEC. 2406.1

| Room Schedule | | | | | |
|---------------|-----------|----------------|------------------|----------------|--------------------------|
| Number | Name | Base Finish | Wall Finish | Floor Finish | Ceiling Finish |
| 01 | Office | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 02 | Office | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 03 | Facial | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 04 | Facial | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 05 | Open Area | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 06 | CR | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 07 | CR | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 08 | Storage | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 09 | Warehouse | None | Existing | Existing | None |
| 10 | Storage | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 11 | Work Room | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 12 | Toilet | 6" rubber cove | Epoxy Paint | Polished Conc. | 2x4 Suspended Acoustical |
| 13 | Men | Existing | Epoxy Paint | Polished Conc. | Existing |
| 14 | Women | Existing | Epoxy Paint | Polished Conc. | Existing |
| 15 | Check In | 4" rubber cove | Painted gyp. b/d | Polished Conc. | 2x4 Suspended Acoustical |
| 16 | Elec. | 4" rubber cove | Painted gyp. b/d | Polished Conc. | None |

MATCH EXIST. CL'G HEIGHT IN ROOM #5
ALL OTHER CEILINGS TO BE 9'-0" AFF

| Wall Schedule | | |
|---------------|------|---------------|
| Type Mark | Type | Type Comments |

| | | |
|----|-----------------------------------|---|
| | Counter | To remain |
| 1a | Interior Partition-Metal Stud | 3-5/8" Metal studs @ 16" o.c. w/ 3 1/2" fiberglass batt insulation and (1) layer 5/8" gyp. board each side. To 6" above ceiling |
| 1b | Existing Interior | To remain |
| 1c | Existing Exterior | To remain |
| 1d | Interior Furring wall metal studs | Furr out new column w/ 3 5/8" metal studs at 16" o.c. w/ 3 1/2" kraft faced batt insulation and (1) layer 5/8" gyp. board. To 6" above ceiling. |



BUILDING CODE ANALYSIS

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 INTERNATIONAL EXISTING BUILDING CODE
2017 NATIONAL ELECTRICAL CODE
2009 ICC/ANSI A117.1

SUMMARY OF WORK

NEW TENANT FINISH IN EXISTING SPACE. THIS IS A CHANGE OF USE FROM 'M' OCCUPANCY TO 'B' OCCUPANCY. ELECTRICAL SERVICE IS EXISTING. ALL UTILITIES ARE EXISTING. REAR OF SPACE HAS AN EXISTING FIRE SPRINKLER SYSTEM INSTALLED. TWO TOILETS, DRINKING FOUNTAIN AND MOP SINK ARE EXISTING. FIRE SPRINKLER SYSTEM TO BE ADJUSTED AS NECESSARY WHERE NEW ROOMS ARE ADDED.

OCCUPANCY CLASSIFICATION

B (HAIR ACADEMY & TRAINING)

TYPE OF CONSTRUCTION

FRONT: II-B, NON-SPRINKLED

REAR: II-B, SPRINKLED

FLOOR AREA

TOTAL AREA: 9,938 SQ.FT.

OCCUPANT LOAD

FRONT: 6,366 / 150 = 43 (TRAINING AREA)

REAR: 3,572 / 500 = 7 (WORK AREA & STORAGE)

TOTAL: 50

EXITS REQUIRED

TWO

EXITS PROVIDED

THREE

TOILET FACILITIES REQUIRED

ONE MEN & ONE WOMEN TOILETS (ADA)

SERVICE SINK & DRINKING FOUNTAIN (ADA)

TOILET FACILITIES PROVIDED

ONE MEN & ONE WOMEN TOILETS (ADA) - EXISTING

SERVICE SINK & DRINKING FOUNTAIN (ADA) - EXISTING

ONE ADDITIONAL UNISEX TOILET (ADA) - NOT REQUIRED BY CODE

DEFERRED SUBMITTALS TO BE COMPLETED BY OTHERS

FIRE SPRINKLER PLANS (PLANS BY SUBCONTRACTOR)

EGRESS DOORS SHALL BE READILY OPENABLE FROM

THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. (THUMBTURN IS ACCEPTABLE)

PREMISES SHALL BE IDENTIFIED ON BOTH FRONT AND

REAR DOORS, WITH NUMBERS AND/OR LETTERS. EACH CHARACTER SHALL BE NOT LESS THAN 6" HIGH WITH A MINIMUM STROKE WIDTH OF 0.5 INCHES. THEY SHOULD BE INSTALLED ON A CONTRASTING BACKGROUND AND BE PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS NUMBERS AND/OR LETTERS SHALL BE ARABIC NUMBERS OR ALPHABETIC LETTERS.

TENANT FINISH FOR

Z HAIR ACADEMY

232 OLDHAM PARKWAY, LEES SUMMIT, MO

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| 1 | City Comments | 07.08 |
|-------------------|---------------|-------|
| No. | Description | Date |
| Revision Schedule | | |

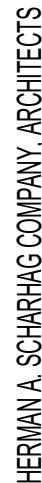
Floor Plan

| | |
|----------------|------------|
| Project number | 2280 |
| Date | 06.26.2020 |

A101

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| Scale | 1/8" = 1'-0" |
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FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY CONSTRUCTION



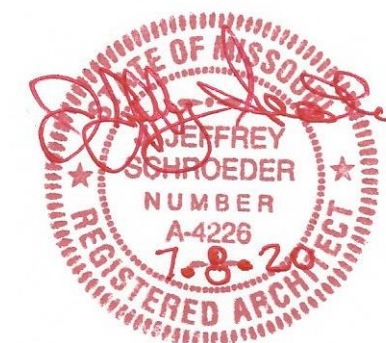
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ZHAIR ACADEMY

dica

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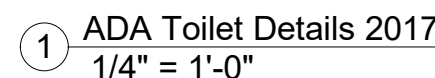
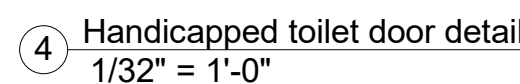
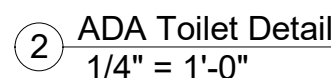
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| Revision Schedule | |

Architectural Details

| | |
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| Project number | 2280 |
| Date | 06.26.2020 |

A102

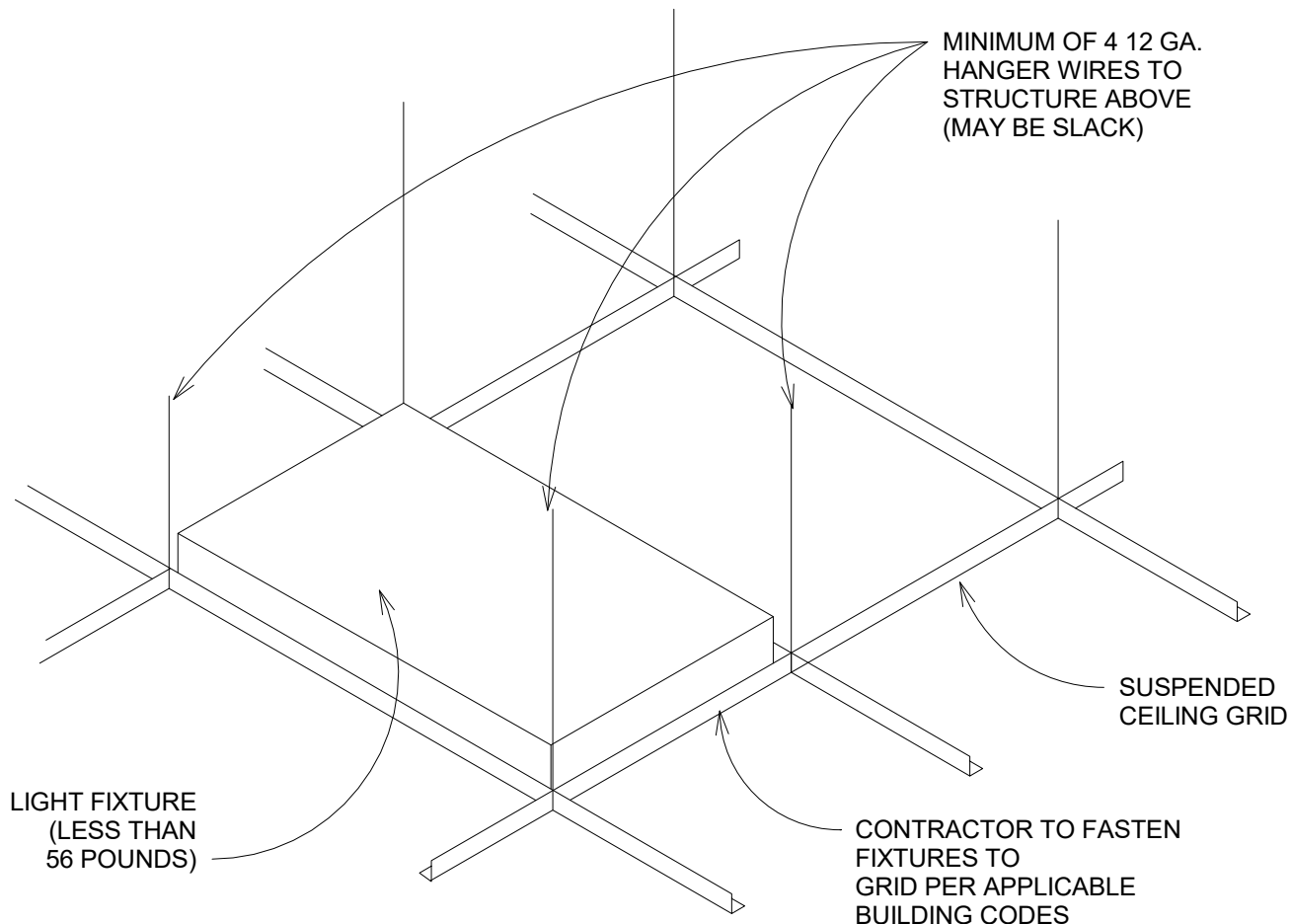
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SANITARY FACILITIES

ICC/ANSI A117.1-2017

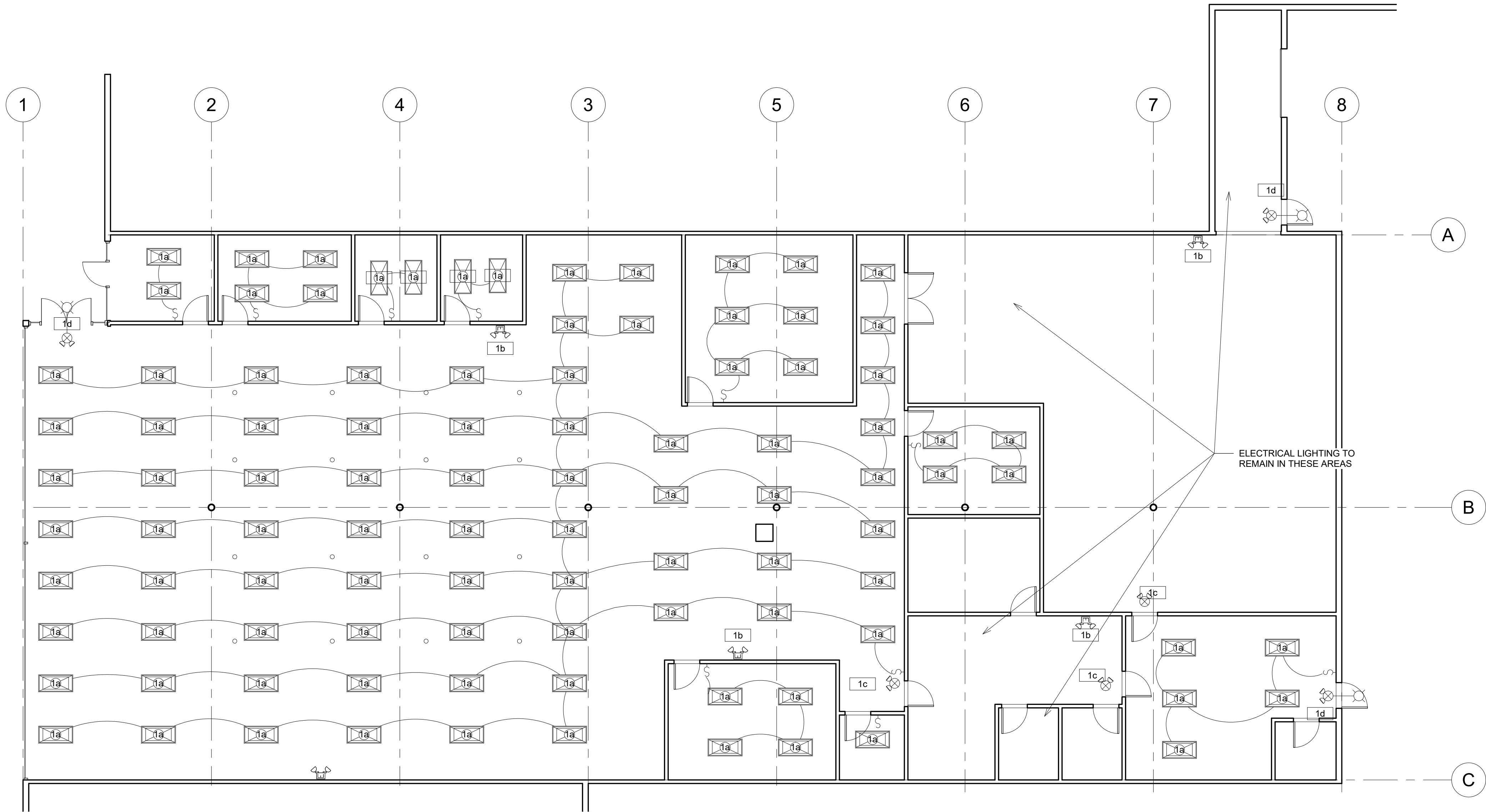
- | | |
|----|---|
| 1. | <u>GENERAL</u> - PROVIDE SUFFICIENT SPACE IN THE BATHROOM FOR A WHEELCHAIR MEASURING 30" WIDE X 48" LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. THERE SHALL BE ROOM FOR A 67" DIA. TURNING CIRCLE AS SHOWN ON PLAN. THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A 60" WIDE CLEAR SPACE FROM A FIXTURE OR A WALL AT ONE SIDE AND 60" OF CLEAR SPACE IN FRONT OF THE WATER CLOSET. |
| 2. | <u>DOORS</u> -SANITARY FACILITY DOORS SHALL HAVE AN AUTOMATIC CLOSING DEVICE & BE 3';0" WIDE |
| 3. | <u>GRAB BARS</u> - GRAB BARS SHALL BE AS PER DETAIL 3 & 4 AND SHALL BE CAPABLE OF CARRYING 250 LBS PER FT. |
| 4. | <u>LAVATORY</u> - LAVATORY HEIGHTS AND CLEARANCES SHALL COMPLY WITH DETAIL 2. INSULATE HOT WATER AND DRAIN PIPES UNDER LAVATORIES. NO SHARP OR ABRASIVE SURFACES ARE ALLOWED UNDER LAVATORIES. FAUCET CONTROLS AND OPERATING MECHANISMS ARE REQUIRED TO BE OPERABLE WITH ONE HAND AND CANNOT REQUIRE GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS IS NOT TO EXCEED 5 LB. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. |
| 5. | <u>ACCESSORIES</u> - IF MIRRORS, PAPER TOWEL, SANITARY NAPKIN, WASTE RECEPTACLES AND SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE IS TO BE LOCATED WITH BOTTOM MAX. 40 INCHES ABOVE THE FLOOR. |
| 6. | <u>FINISHES</u> - FLOOR FINISH SHALL BE VCT WITH 6" RUBBER COVE BASE. WALL FINISHES WILL BE EPOXY PAINT |
| 7. | <u>URINAL</u> - IF PROVIDED, URINAL PLIP SHALL BE MAX. 17" ABOVE FLOOR WITH A CLEAR SPACE OF 30" WIDE X 52" IN FRONT OF URINAL. |



2 TYPICAL CEILING MOUNT
1/2" = 1'-0"

| Electrical Fixture Schedule | | |
|-----------------------------|-----------------------------|-------|
| Type | Description | Count |
| Power Pole | | 16 |
| Single GFCI | 110 V. Duplex outlet - GFCI | 4 |
| Single Outlet | 110 V. duplex outlet | 60 |
| Single Switch | Switch (42" aff) | 10 |

| Lighting Fixture Schedule | | | |
|---------------------------|-------------------------------|--|-------|
| Type Mark | Type | Type Comments | Count |
| 1a | Lithonia LED Recessed Troffer | #2GTL4LP835, 4000 lumens | 98 |
| 1b | Emergency Light | Two sealed beam & watt lamps, battery backup with 90 minute minimum operation on battery, battery charger, battery test button and light. 120 volt. Wall mounted | 5 |
| 1c | Exit-Emergency Light Combo | Single face; flourescent, red letters, battery backup with 90 minute minimum operation on battery. Battery charger, battery test button and light, 120 volt. | 3 |
| 1d | Exit Light- Exterior | Combo exit and emergency light w/ remote exterior head. All with 90 min. battery backup. With remote head | 3 |



1 Electrical Lighting Plan
1/8" = 1'-0"

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| No. | Description | Date |
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Electrical Lighting

Project number 2280
Date 06.26.2020

E101

Scale As indicated

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ELECTRICAL NOTES:

ALL ELECTRICAL LIGHT AND POWER WIRE SHALL NOT BE SMALLER THAN #12 AWG. ALL LIGHTING AND POWER WIRING #10 AWG AND SMALLER SHALL BE SOLID. ALL CONDUCTORS SHALL BE COPPER ONLY. NO ALUMINUM IS ALLOWED

ALL CONDUITS SHALL BE SIZED IN ACCORDANCE WITH THE LATEST NEC TABLES. MINIMUM CONDUIT SIZES SHALL BE 3/4". ALL CONDUIT IN AND UNDER FLOOR SLAB SHALL BE SCHEDULE 40 PVC

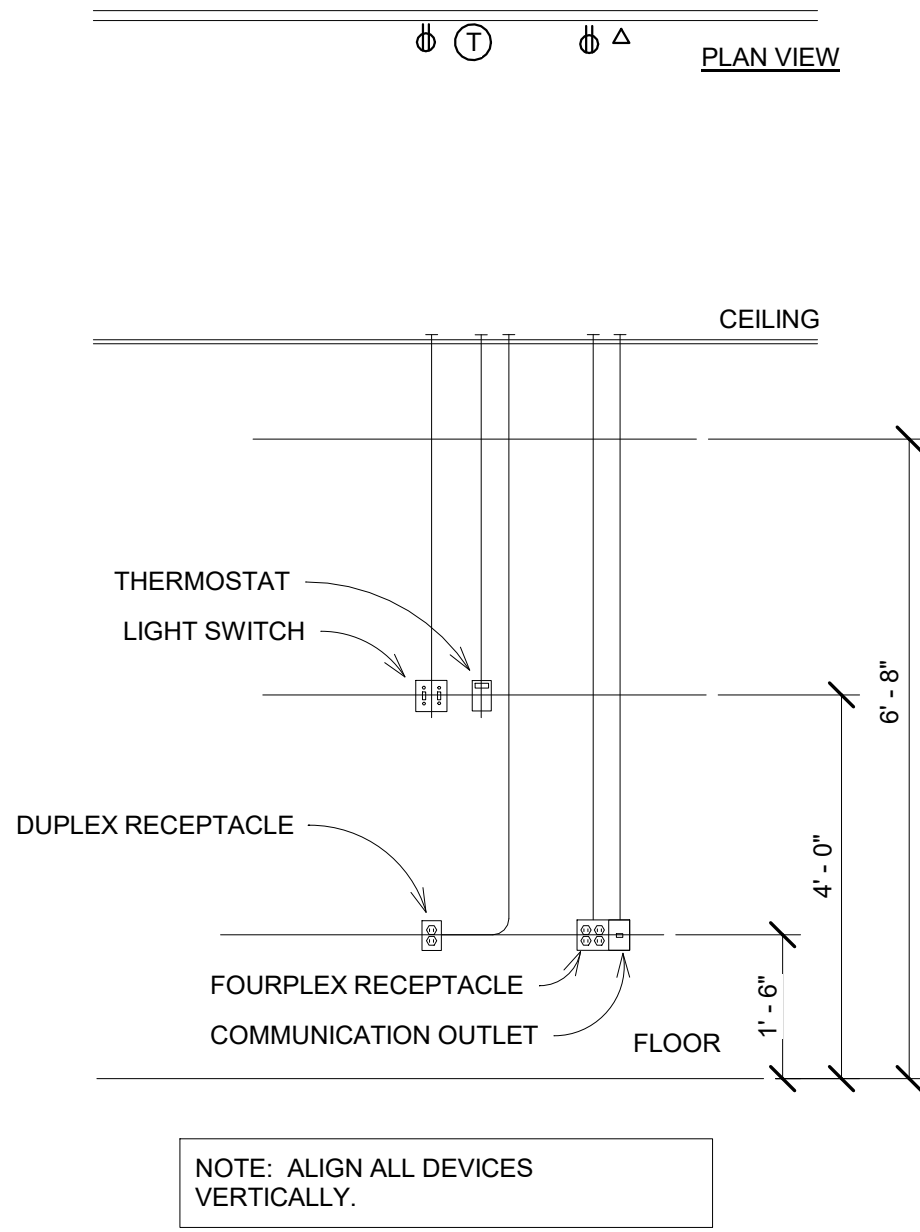
ALL POWER WIRING IN ALL AREAS SHALL BE IN EMT CONDUIT, BOTH IN WALLS AND THROUGH EXPOSED JOISTS. MC CABLE AND ARMORED CABLE ARE ALSO ALLOWABLE IN AREAS WHERE CONDUITS ARE NOT EXPOSED

ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT, FOR WORK DESIGNATED AS HIS RESPONSIBILITY, ALL WIRE, WIRE WAY, CONDUIT, CONNECTORS, OUTLETS, ETC. NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS THOUGH FULLY SHOWN AND SPECIFIED. ALL LABOR, TOOLS, MATERIALS, EQUIPMENT SHALL BE PROVIDED AS NECESSARY TO PROVIDE AND INSTALL A COMPLETE SYSTEM. ALL WORK SHALL BE PER CURRENT CODE. COORDINATE ALL WORK WITH OTHER TRADES

ELECTRICAL CONTRACTOR SHALL CIRCUIT FIXTURES AND SHALL PROVIDE AND INSTALL CIRCUIT DIRECTORY WITH TYPED CIRCUIT DESIGNATION CARD UNDER PLASTIC COVER ON THE INSIDE OF EACH PANEL DOOR. ELECTRICAL CONTRACTOR SHALL ALSO FURNISH AND INSTALL NAMEPLATES ON ALL DISCONNECT SWITCHES AND PANEL BOARDS

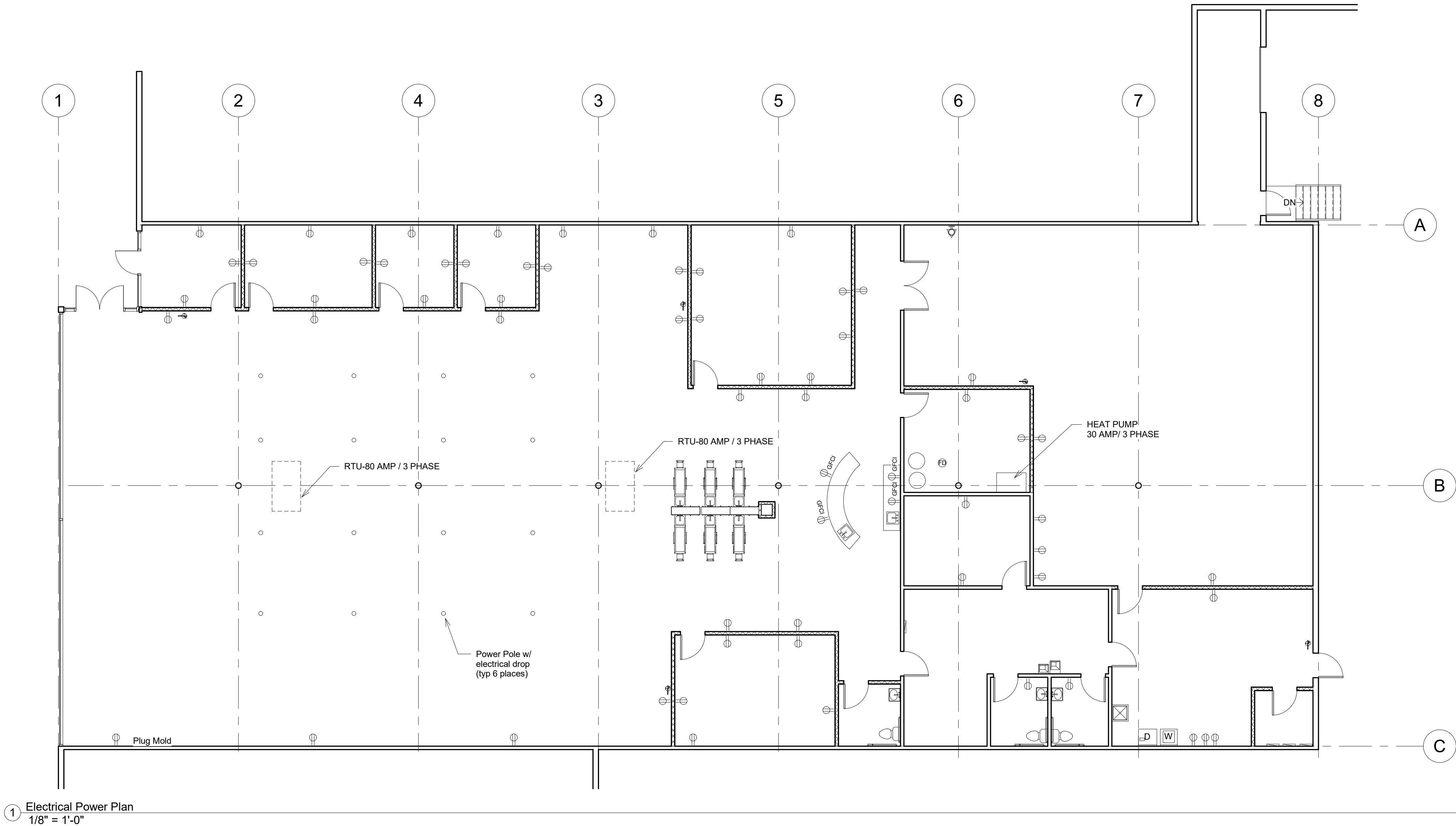
ALL CONDUIT, JUNCTION BOXES, ETC. ABOVE CEILINGS SHALL BE SUPPORTED FROM STRUCTURE

ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING, ALL CONTROL WIRING AND ALL STARTERS, DISCONNECTS AND THERMAL OVERLOAD SWITCHES NOT SUPPLIED WITH THE EQUIPMENT



3 TYPICAL WALL MOUNTING DETAIL
1/2" = 1'-0"

| Electrical Fixture Schedule | | |
|-----------------------------|-----------------------------|-------|
| Type | Description | Count |
| Power Pole | | 16 |
| Single GFCI | 110 V. Duplex outlet - GFCI | 4 |
| Single Outlet | 110 V. duplex outlet | 60 |
| Single Switch | Switch (42" aff) | 10 |



1 Electrical Power Plan
1/8" = 1'-0"

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Electrical Power

Project number 2280
Date 06.26.2020

E102

Scale As indicated

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| Mechanical Equipment Schedule | | | |
|-------------------------------|--------------------|---|-------|
| Mark | Type | Type Comments | Count |
| CU-1 | Condensing Unit | Carrier or equal air cooled condensing unit rated at 5 ton cooling capacity. Locate on precast concrete pad on ground. | 1 |
| EF-1 | 75 CFM Exhaust Fan | Broan ceiling mounted exhaust fan rated at 75 CFM. Provide 4" dia. duct through roof with weatherhood and birdscreen. switch with lights. | 3 |
| HP | Heat Pump | 3-Ton Electric AHU 14 SEER Heat Pump | 1 |
| RA | 24" x 24" Return | As Located per plans | 3 |
| RTU-1 | New RTU | 5 Ton electric cooling and gas heat 1,900 CFM w/ roof curb, economizer, and thermostat | 2 |
| SA | 24" x 24"Supply | As Located per plans | 25 |
| UH-1 | Unit Heater | Relocated Gas Fired heater w/ thermostat & auto pilot. Hang as high as possible. | 1 |

HVAC NOTES

MAIN DUCTWORK SHALL BE STEEL GALVANIZED SEALED AIR TIGHT.

SHEET METAL GUAGES SHALL BE PER SMACNA AND NO LESS THAN 24 GA. INSULATED DUCTS WITH 1/2" - 3# INSULATION. DO NOT LINE TOILET/SHOWER EXHAUST DUCTS.

GRILLES AND DIFFUSERS SHALL BE TITUS, TUTTLE & BAILEY OR EQUAL. SEE ARCHITECTURAL OR ELECTRICAL DRAWINGS FOR CEILING GRID. ALL SHALL BE 4-WAY.

FLEX BRANCH CONNECTIONS SHALL HAVE INSULATED FLEX DUCT, SPIN COLLARS WITH ADJUSTABLE DAMPER AND 90 DEGREE ELL AT DIFFUSER TO PREVENT KINKS. IN BOTH SUPPLY AND RETURN.

COORDINATE ALL WORK WITH OTHER TRADES. ALL WORK SHALL COMPLY WITH CURRENT BUILDING CODE LISTED IN THE CODE ANALYSIS. ENTIRE SYSTEM SHALL BE TESTED AND BALANCED AT COMPLETION OF WORK.

ALL FLUES FROM GAS FIRED EQUIPMENT SHALL BE TYPE B DOUBLE METAL WALL TYPE WITH GALVANIZED EXTERIOR SHELL AND ALUMINUM INTERIOR LINER AS MANUFACTURED BY METALBESTOS OR EQUAL. ALL FLUES SHALL BE KEPT AT LEAST 1" FROM COMBUSTIBLE MATERIALS.

FLEX DUCT SIZES (MAX. 8' RUN)

| | |
|---------------|---------------|
| 500 – 600 CFM | 12" DIA. FLEX |
| 400 CFM | 10" DIA. FLEX |
| 300 – 200 CFM | 8" DIA. FLEX |
| 100 – 150 CFM | 6" DIA. FLEX |

FRESH AIR REQUIREMENTS FOR HVAC

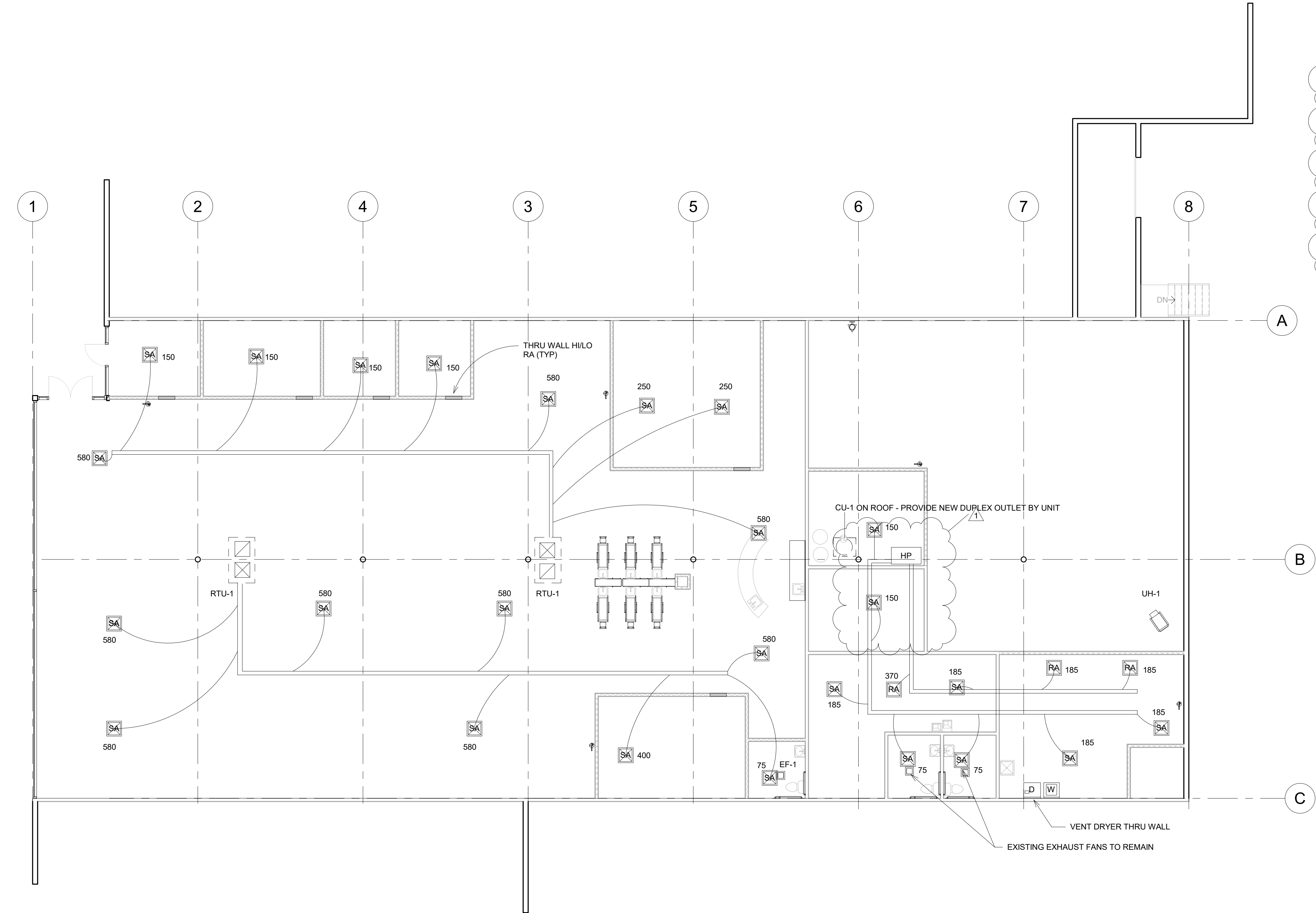
USE: OFFICE

AREA = 1,384 SQ.FT.

1,384 / 1,000 X 5 = 7 OCC.

7 X 5 = 35 CFM FRESH AIR REQUIRED

PROVIDE 6" DIA. DUCT THROUGH ROOF WITH WEATHERHOOD AND CONNECT INTO RETURN AIR DUCT, FOR 35 CFM FRESH AIR



1 Mechanical Plan
1/8" = 1'-0"

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| No. | Description | Date |
| Revision Schedule | | |

Mechanical

| | |
|----------------|------------|
| Project number | 2280 |
| Date | 06.26.2020 |

M101

| | |
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| Scale | 1/8" = 1'-0" |
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| Plumbing Fixture Schedule | | |
|---------------------------|------------------------|---|
| Type Mark | Type | Description |
| FD | Floor Drain | Anco #FD-1000-ER. Extended rim drain w/ lacquered allcast iron body. serrated clamping flange w/ integral double drainage weep holes and adjustable satin nickel brone strainer w/ extended rim. provide "P" trap size as shown on plans. |
| HWH-1 | Gas Water Heater | A.O Smith 50 gallon capacity, re. @100 degree rise, 50,000 btu input, provide valve and union on inlet and outlet - 4" dia. flue. Provide exp. tank and tempering valve. |
| L-1 | Lavatory (handicapped) | Lavatory: Handicap accessible wall mount lavatory with carrier, Toto model LT155#01,vitreous china, white, self-rimming counter top. Toto TL362SD12 ADA compliant faucet, SS flex suply risers with chrome plated stop valves, P-trap with cleanout and escutcheons. Insulated with "Handi-Lav-Gluard" model 102, or equal. |
| S-1 | Shampoo bowl | By Tenant |
| S-2 | Sink | American Standard #7013.014 single compartment 24" x 21" x 8" bowl. a/ #6270-172 H 2 handle faucet w/ high swing spout - 4331013 strainer, cast brass "P" trap w/ cleanout, chrome angle stop valves and supply risers. |
| WC-1 | Handicapped Toilet | Water Closet, (handicapped) American Standard #208.408 "Elongated Cadet Water Saver". Siphon jet flush action, 18" rim height. Provide w/ open front seat less cover, 2"bolt caps, chrome angle valve and supply riser. |

PLUMBING NOTES:

PIPING DRAWINGS ARE SCHEMATIC ONLY. PLUMBING CONTRACTOR TO DETERMINE EXACT ROUTING AND LOCATIONS OF ALL PIPING ON JOB SITE IN COMPLETE COORDINATION WITH ALL OTHER TRADES INVOLVED. HE SHALL ALSO VERIFY EXACT FLOOR PLAN LAYOUT, FIXTURE LOCATIONS, STRUCTURAL CONDITIONS AND ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS.

PROVIDE ALL FIXTURES SHOWN ON THE DRAWINGS, COMPLETE WITH HOT AND COLD WATER, WASTE AND VENT CONNECTIONS AS REQUIRED. EACH FIXTURE SHALL HAVE SHUTOFF VALVES FOR HOT AND COLD WATER. HOT AND COLD WATER LINES TO HAVE WATER HAMMER ARRESTOR CONFORMING TO ASSE 1010. PIPING SHALL BE INSTALLED PROPERLY TO ELIMINATE CROSS CONTAMINATION OR SIPHONING OF WASTE MATERIAL INTO THE SUPPLY WATER SYSTEM. PIPING SHALL BE PITCHED TO VENT AND/OR DRAIN. VERIFY EXACT LOCATIONS AND REQUIREMENTS BEFORE BEGINNING THE INSTALLATION.

ALL VENTS SHALL BE INCREASED TO A MIN. OF 3" BEFORE PASSING THROUGH THE ROOF.

THOROUGHLY CLEAN ALL ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL FOR SANITARY JOINT.

TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE FOR FOUR HOURS MINIMUM. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT CODE.

PIPING MATERIALS:

DOMESTIC WATER BELOW GRADE: TYPE 'K' SOFT TEMPER COPPER WITH FLARE FITTING CONNECTIONS, EXCEPT NO FITTINGS TO BE USED BELOW FLOOR SLAB. USE LONG RADIUS BENDS ONLY.

DOMESTIC WATER BELOW SLAB: TYPE 'K' SOFT TEMPER COPPER WITH FLARE FITTING CONNECTIONS, EXCEPT NO FITTINGS TO BE USED BELOW FLOOR SLAB. USE LONG RADIUS BENDS ONLY.

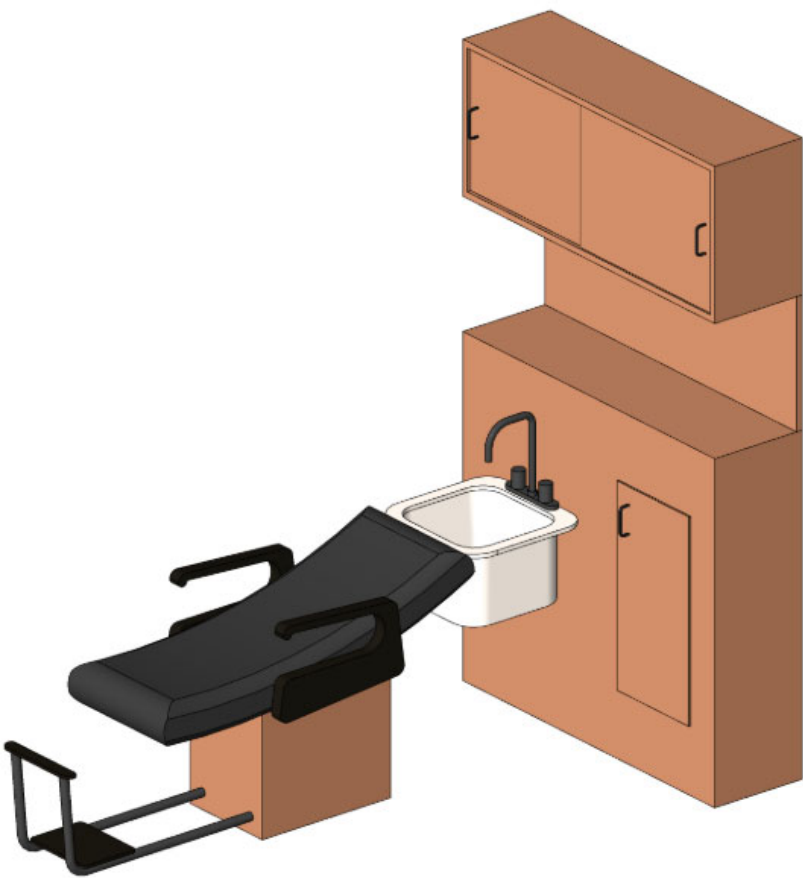
DOMESTIC WATER ABOVE SLAB: TYPE 'L' HARD TEMPER COPPER WITH SWEAT SOLDER CONNECTIONS. USE NO-LEAD TYPE SOLDER. PEX MAY BE USED IF ALLOWED BY JURISTICION.

ALL WATER LINES ABOVE SLAB SHALL BE INSULATED WITH EXPANDED CELL OR MOLDED SECTIONAL FIBEROUS GLASS WITH FACTORY APPLIED UL LISTED VAPOR BARRIER JACKET. FLAME SPREAD FOR INSULATION SHALL BE 25 OR LESS.

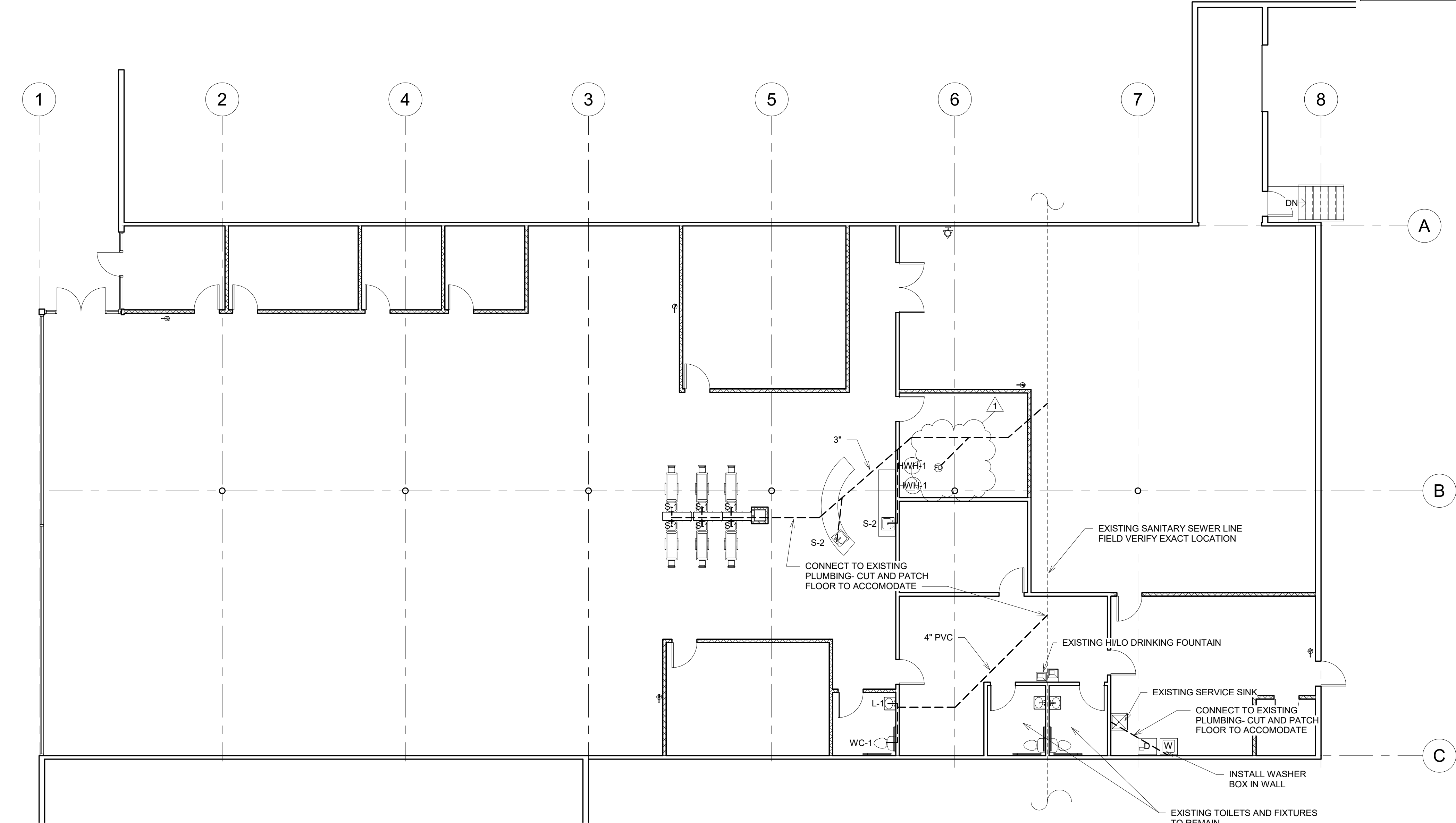
SANITARY WASTE AND VENT: CAST IRON NO-HUB CONNECTIONS ABOVE SLAB. CAST IRON WITH SLIP CONNECTIONS BELOW SLAB. SCHEDULE 40 PVC PIPING MAY BE USED IN ALL LOCATIONS WHERE PERMITTED BY LOCAL AUTHORITIES, HOWEVER PVC MAY NOT BE USED IN ABOVE CEILING PLENUM RETURN AREAS.

GAS PIPING TO BE TYPE 'S' SEAMLESS GRADE B SCHEDULE 40 BLACK OR ASTM A53 STEEL PIPE, TYPE 'E' ELECTRIC RESISTANT WELDED. WHERE INSTALLED BELOW GRADE, PIPE MUST BE COATED AND WRAPPED AND HAVE CATHODIC PROTECTION. ALL CAST IRON PIPE THAT IS OVER 3" DIAMETER AND NOT EXPOSED, MUST BE WELDED PIPE

| FIXTURE PIPING SCHEDULE | | | | |
|-------------------------|-------|-------|-----|-----|
| FIXTURE | WASTE | VENT | CW | HW |
| WC | 4 | 2 | 1/2 | 0 |
| Lavatory | 2 | 1 1/2 | 1/2 | 1/2 |
| Sink | 2 | 1 1/2 | 1/2 | 1/2 |
| Urinal | 2 | 1 1/2 | 3/4 | 0 |
| EWC | 1 1/2 | 1 1/2 | 1/2 | 0 |
| Shower | 2 | 1 1/2 | 3/4 | 3/4 |
| FD | 2 | 1 1/2 | 0 | 0 |
| Hose Bib | 0 | 0 | 3/4 | 0 |



HAIR WASH STATION - BY TENANT



1 Plumbing Plan
1/8" = 1'-0"

Scharhag

HERMAN A. SCHARHAG COMPANY ARCHITECTS

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TENANT FINISH FOR

Z HAIR ACADEMY

232 OLDHAM PARKWAY, LEES SUMMIT, MO

J. Jeffrey Schroeder Mo. Licence A-4226
Herman Scharhag Co., Arch. Cert. of Authority A-22



| 1 | City Comments | 07.08 |
|-------------------|---------------|-------|
| No. | Description | Date |
| Revision Schedule | | |

Plumbing

| | |
|----------------|------------|
| Project number | 2280 |
| Date | 06.26.2020 |

P101

| | |
|-------|--------------|
| Scale | 1/8" = 1'-0" |
|-------|--------------|