

**PROPOSED FLOOR PLAN**  
SCALE 1/4" = 1'-0"

**OCCUPANT LOAD CALCS**

ROOM	NET AREA	OCCUP. LOAD
SALES FLOOR	2,500 SF	2,500 / 70 = 36
RECEPTION	1,000 SF	1,000 / 70 = 14
OFFICE	1,000 SF	1,000 / 70 = 14
BATHROOM	100 SF	100 / 70 = 1
STORAGE	200 SF	200 / 70 = 3
<b>TOTAL</b>	<b>5,700 SF</b>	<b>68 OCCUPANTS</b>

**ROOM FINISH SCHEDULE**

ROOM NAME	WALLS	FLOOR	ROOF	CEILING	NOTES
SALES FLOOR	08	01	01	01	
RECEPTION	08	01	01	01	
OFFICE	08	01	01	01	
BATHROOM	08	01	01	01	4" FIBERGLASS INSULATION
STORAGE	08	01	01	01	4" FIBERGLASS INSULATION

**FINISH NOTES:**

1. FINISH SHALL BE A THRESH AREA DIMENSIONED SURFACE THAT EXTENDS OVER THE CURB OR RAMP.
2. WALLS 4 FEET OR LESS HIGH SHALL HAVE A GROoved SURFACE TO A HEIGHT OF 4 FEET ABOVE THE FLOOR AND SHALL NOT BE ADJACENT TO THE PUBLIC AND WHICH HAVE MORE THAN ONE WATER CLASST AND NOT SUBJECT TO THIS NOTE. ALL ACCESSIBLE DOOR TO LOBBY SHALL HAVE 2" MIN. CLEARANCE TO THE DOOR THRESH.

**PLUMBING NOTES:**

1. IF PLUMBING LOCATED ARE TO BE STORED WITHIN BUILDING PROVIDE A SCHEDULED PLUMBING CABINET.
2. ALL FLOOR CABS TO BE RAISED UPON CHAIR NO LARGER THAN 2" DIA.

**LIFE SAFETY / FIRE PREVENTION NOTES:**

1. ALL EXIT DOORS TO BE ILLUMINATED WITH SAFETY LIGHTS.
2. ALL EMERGENCY LIGHTING TO HAVE BATTERY BACKUP.
3. ALL EMERGENCY LIGHTS TO BE ILLUMINATED WITH V-TURNS ON EXISTING STRUCTURE.
4. ALL FIRE EXTINGUISHERS SHALL BE INSPECTED.
5. A FIRE EXTINGUISHER TO BE PROVIDED WITHIN 50'-0" CLEARANCE OF THE BUILDING IF PLUMBING LOCATED WITHIN 20' OF THE BUILDING.
6. UNDER BUILDING PROVIDE A SCHEDULED PLUMBING CABINET.
7. ALL FLOOR CABS TO BE RAISED UPON CHAIR NO LARGER THAN 2" DIA.

**INSULATION NOTES:**

1. ALL EXPOSED SURFACES TO BE INSULATED WITH R-19 INSULATION.
2. INSULATION SHALL BE ADDED TO EXISTING SPACES IN ADDITION TO THE EXISTING IF THEY NEED INSULATION.

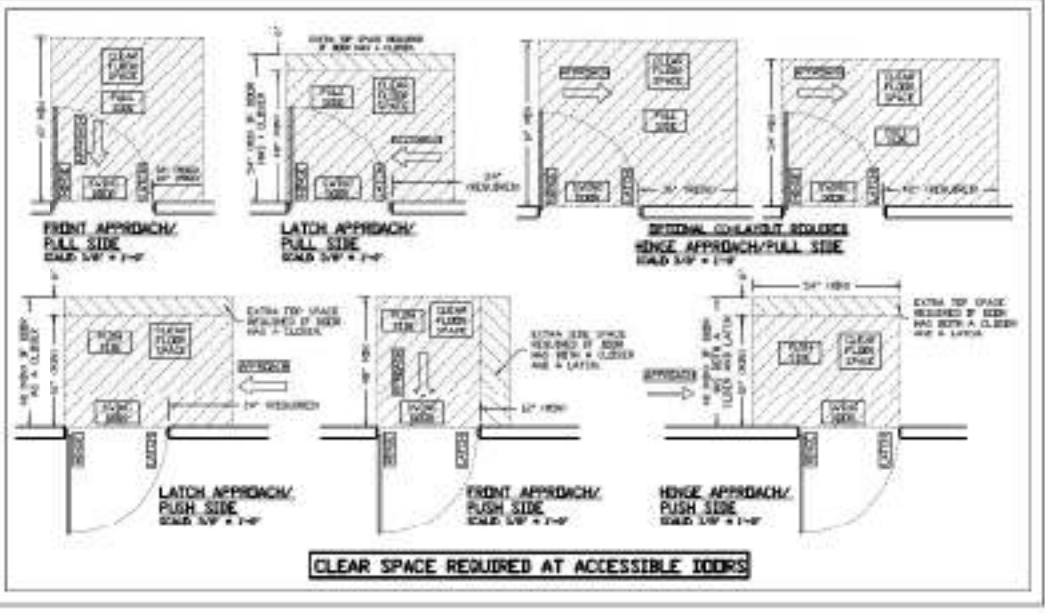
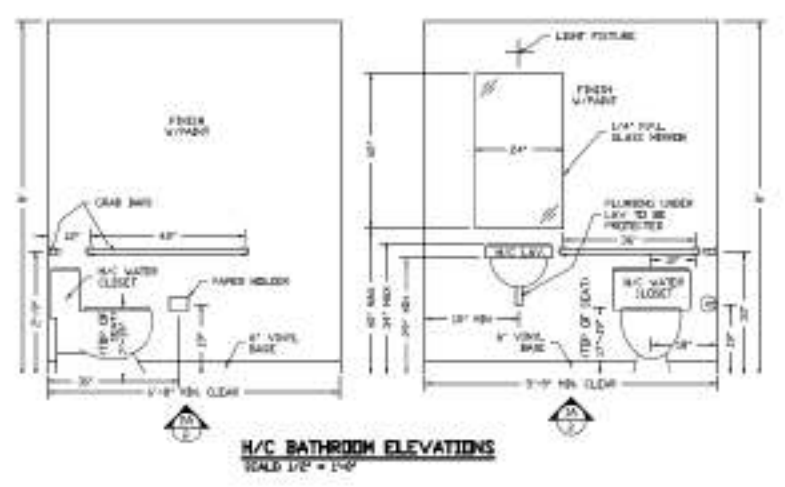
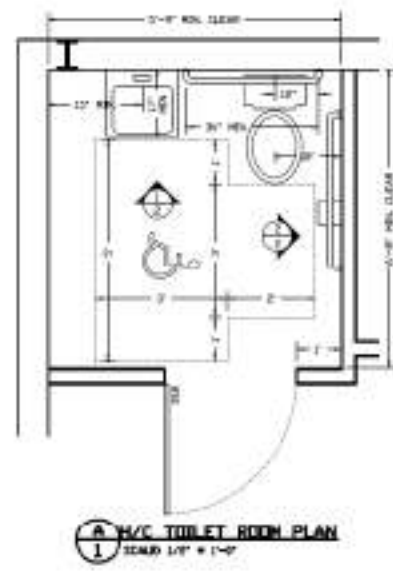
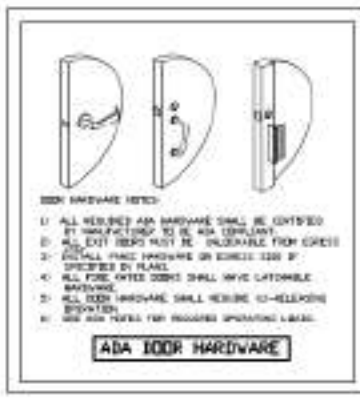
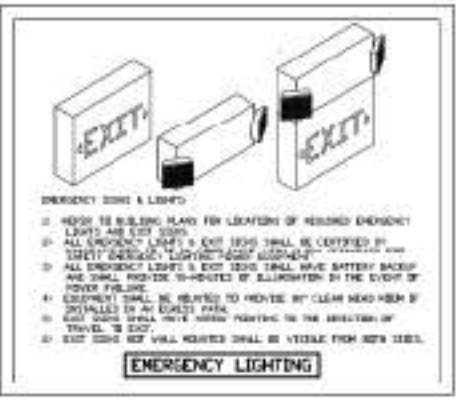
**STRUCTURAL NOTES:**

1. THESE FINISHES SHALL BE IN FULL COMPLIANCE WITH ALL EXISTING STRUCTURAL REQUIREMENTS AND SHALL BE IN COMPLIANCE WITH ALL EXISTING STRUCTURAL REQUIREMENTS AND SHALL BE IN COMPLIANCE WITH ALL EXISTING STRUCTURAL REQUIREMENTS AND SHALL BE IN COMPLIANCE WITH ALL EXISTING STRUCTURAL REQUIREMENTS.

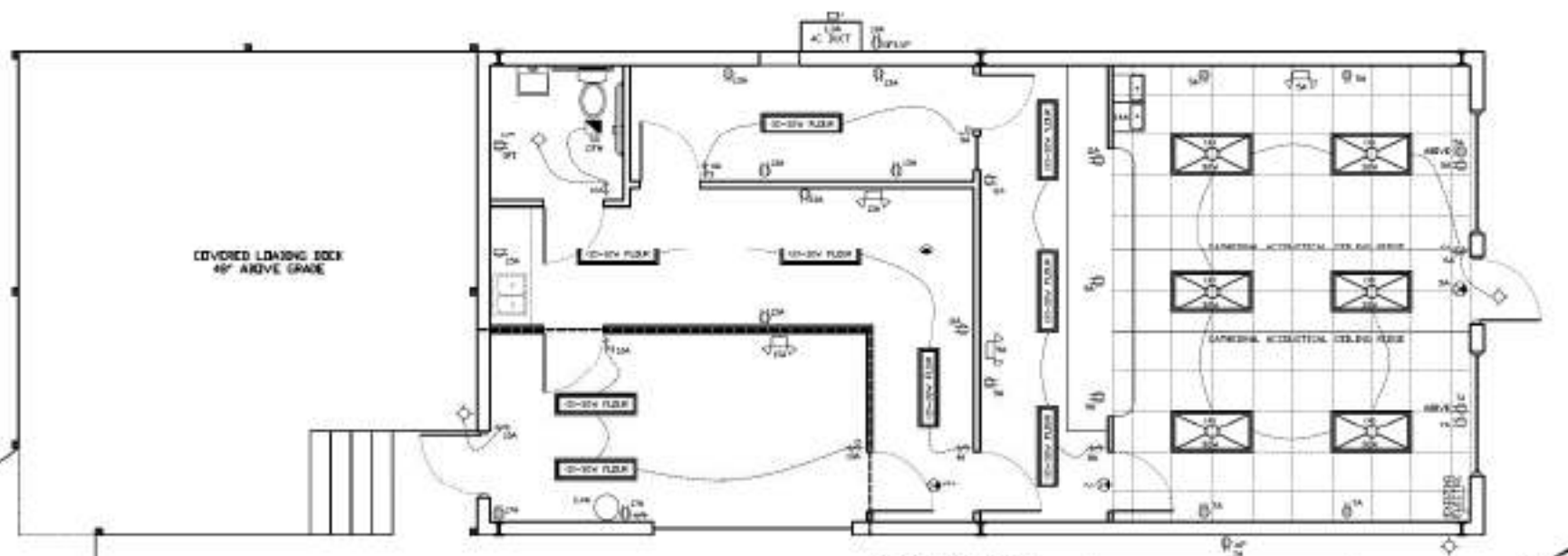
**WIND SPEED:** 120 MPH (3-SEC GUST)  
**WIND EXPOSURE:** B  
**FLOOR LIVE LOAD:** 50 PSF  
**DEAD LOAD:** 10 PSF  
**SEISMIC DESIGN CATEGORY:** B

**COMPONENT AND CLASSING PRESSURE ZONES**

AREA	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
101	1	1	1	1	1
102	1	1	1	1	1
103	1	1	1	1	1
104	1	1	1	1	1
105	1	1	1	1	1







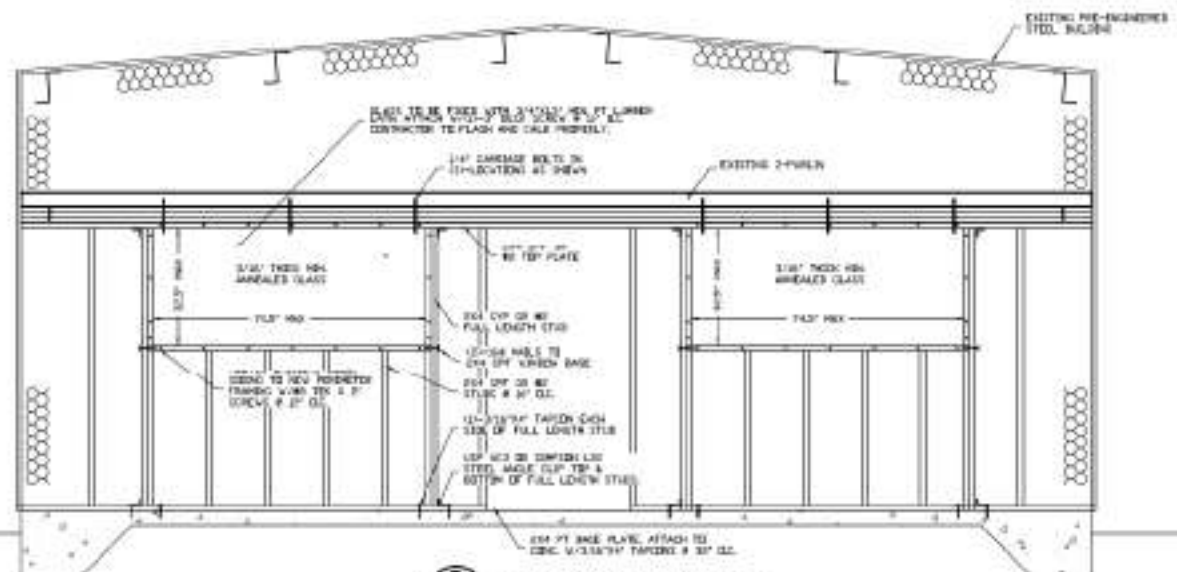
**ELECTRICAL PLAN**  
SCALE 1/8" = 1'-0"

- ELECTRICAL NOTES:**
- ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES.
  - ALL CONDUCTORS SHALL BE COVERED WITH INSULATION.
  - THE EXISTING ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY SHUT DOWN AS REQUIRED BY FEDERAL ELECTRIC CODE. ALL METALLIC RACEWAYS SHALL BE MECHANICALLY AND ELECTRICALLY GROUND AT ALL JOINTS AND AT ALL BOXES, CABINETS, FITTINGS, AND EQUIPMENT. ALL RACEWAYS SHALL BE PROPERLY ALIGNED, SUPPORTED AND SHIPPED AT INTERVALS NOT EXCEEDING THE CODE REQUIREMENT OR TO THE SATISFACTION OF THE ENGINEER.
  - ALL RACEWAYS SHALL BE PROVIDED WITH EQUIPMENT GROUND CONDUCTOR.
  - UPON COMPLETION OF WORK, CONTRACT ALL PANEL BOARD CIRCUIT BREAKER DEVICES TO VERIFY RESET CONDITIONS.
  - PRIOR TO INSTALLING IN ANY AREA IN WHICH CONDUIT, WIRE, WIRES OR OTHER UTILITIES EXIST, THEY MAY BE IDENTIFIED, MARKED AND REASONABLE PRECAUTIONS TO DETERMINE THE PRESENCE OF SUCH UTILITIES, AND RECOGNIZE AN AUTOMATIC SWITCH BY MEANS TO AVOID DAMAGE. IDENTIFICATION SHALL BE BY HAND LETTERS. THE CONTRACTOR IS SATISFIED THAT FOR ANY WORK TO EXISTED UTILITIES OF OTHER SIZE FEATURES CAUSED BY HIS WORK.
  - ADVISE THE OWNER IN WRITING, THROUGH THE GENERAL CONTRACTOR AND ENGINEER OF ANY HAZARDOUS ELECTRICAL CONDITIONS OCCURRING DURING THE COURSE OF THE WORK, MAKE THIS NOTIFICATION AS SOON AS THE DISCOVERY IS MADE.
  - VERIFY EXISTING LINES INDICATED BY THE DRAWINGS FOR TELEPHONE SYSTEMS WITH THE SYSTEM SUPPLIER PRIOR TO ORDERING MATERIAL OR PERFORMING RELATED WORK. ESTABLISH JOINTS, PULL/OUTLET BOX SIZES AND LOCATIONS FOR THESE SYSTEMS WITH THE APPROPRIATE SUPPLIER PRIOR TO ORDERING MATERIAL OR PERFORMING RELATED WORK.
  - CONDUCTOR MATERIAL, SUPPORT, ALIGNMENT, AND SUPPORTS SHALL BE PROVIDED AND INSTALLED AS REQUIRED TO MEET ALL REQUIREMENTS FOR ALL WORK UNLESS OTHERWISE INDICATED BY THE PLANS AND NOTES.
  - FROM TELEPHONE BULK HEADS PROVIDE AN EIGHT (8) INCHES DIA. AS REQUIRED WITH FULL CORE STABLE UP TO BACKWARDS AND FORWARD TO THE EXISTING SYSTEM OR PREPARE LINE OVERHEADS AS DIRECTED BY THE TELEPHONE COMPANY.
  - EXIT LIGHT AND EMERGENCY LIGHTS ARE CONNECTED TO THE LINE SIDE OF SWITCHES.
  - PROVIDE CONDUIT AND BOXES FOR EXISTING WORK AS REQUIRED.
  - ALL WORK CONNECTED TO LIGHTS AND EQUIPMENT SHALL BE MADE WITH FLEXIBLE CONDUIT, USE WEATHERPROOF ALGUE TIGHT WHEN OUTSIDE OR WET LOCATIONS.
  - ALL ELECTRICAL EQUIPMENT SITES OR IN WET LOCATIONS SHALL BE IN NON-OR WETTER HOOD.

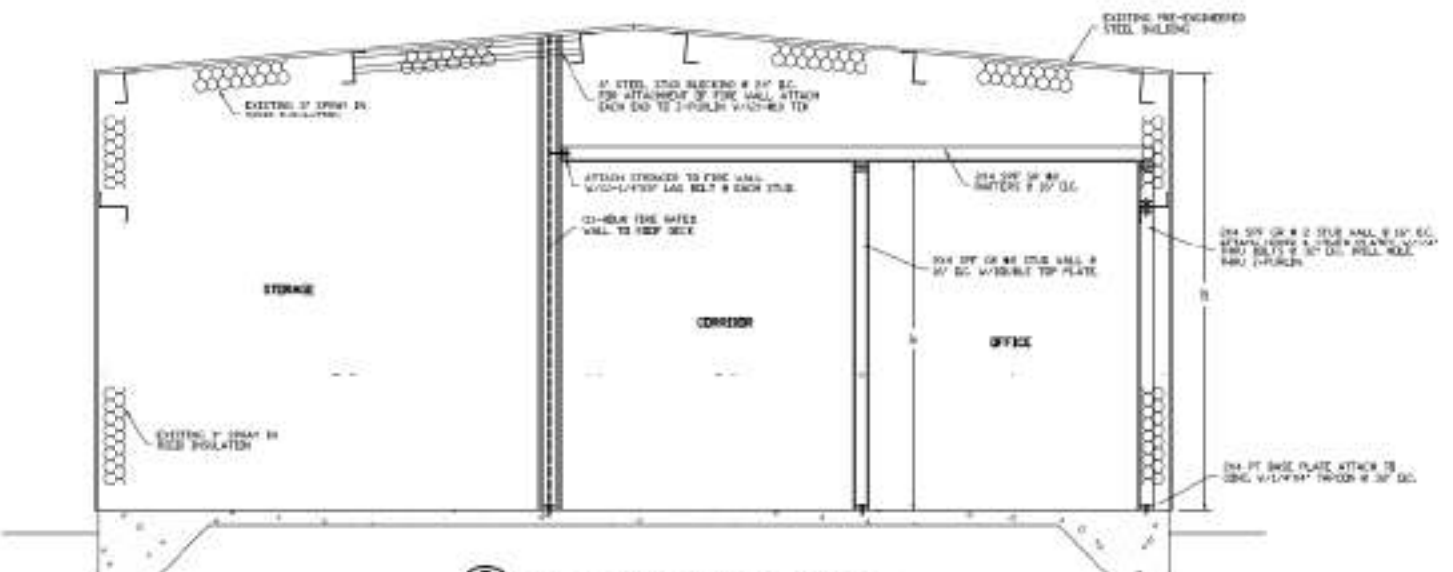
ELECTRICAL LOAD CALCULATION	
<b>CONTINUED LOADS</b>	1500
GENERAL LIGHTING - 100% OF # 20 VA/FP	4,000
OUTSIDE SIGNALS - 20 # 1000 VA EACH	2,000
<b>SUB-TOTAL</b>	<b>6,500</b>
<b>NON-CONTINUED LOADS</b>	1500
RECEPTACLE LOAD - 100-RECEPTACLE # 20 (VA EACH)	4,500
<b>SUB-TOTAL</b>	<b>6,000</b>
<b>HEAT LOADS</b>	1500
HEAT SYSTEM (20-TON)	12,000
<b>SUB-TOTAL</b>	<b>13,500</b>
<b>TOTALS</b>	1500
CONTINUED LOADS # 20%	3,000
NON-CONTINUED LOADS 50% PER NEC ARTICLE 220	4,500
NON-CONTINUED LOADS 50% OF REMAINING	6A
HEAT LOADS # 20%	12,000
<b>FINAL TOTAL</b>	<b>24,000</b>
<b>CLIQUE VA / 240 V = 100 AMP</b>	<b>100 AMP</b>

ELECTRICAL LEGEND	
⊥	SINGLE POLE SWITCH AND CIRCUITRY
⊥	20V BRACKET
⊥	LOADING PANEL INTERRUPTER, 20V
⊥	SUPPLY RECEPTACLE W/ WEATHERPROOF COVER
⊥	20V OUTLET
⊥	DISCONNECT SWITCH
⊥	NON-RECURRENT LIGHT FIXTURE
⊥	EMERGENCY EXIT SIGN
⊥	EMERGENCY LIGHTING
⊥	TRAC EXTINGUISHER
⊥	INDICATE REWIRED EXISTING FWS

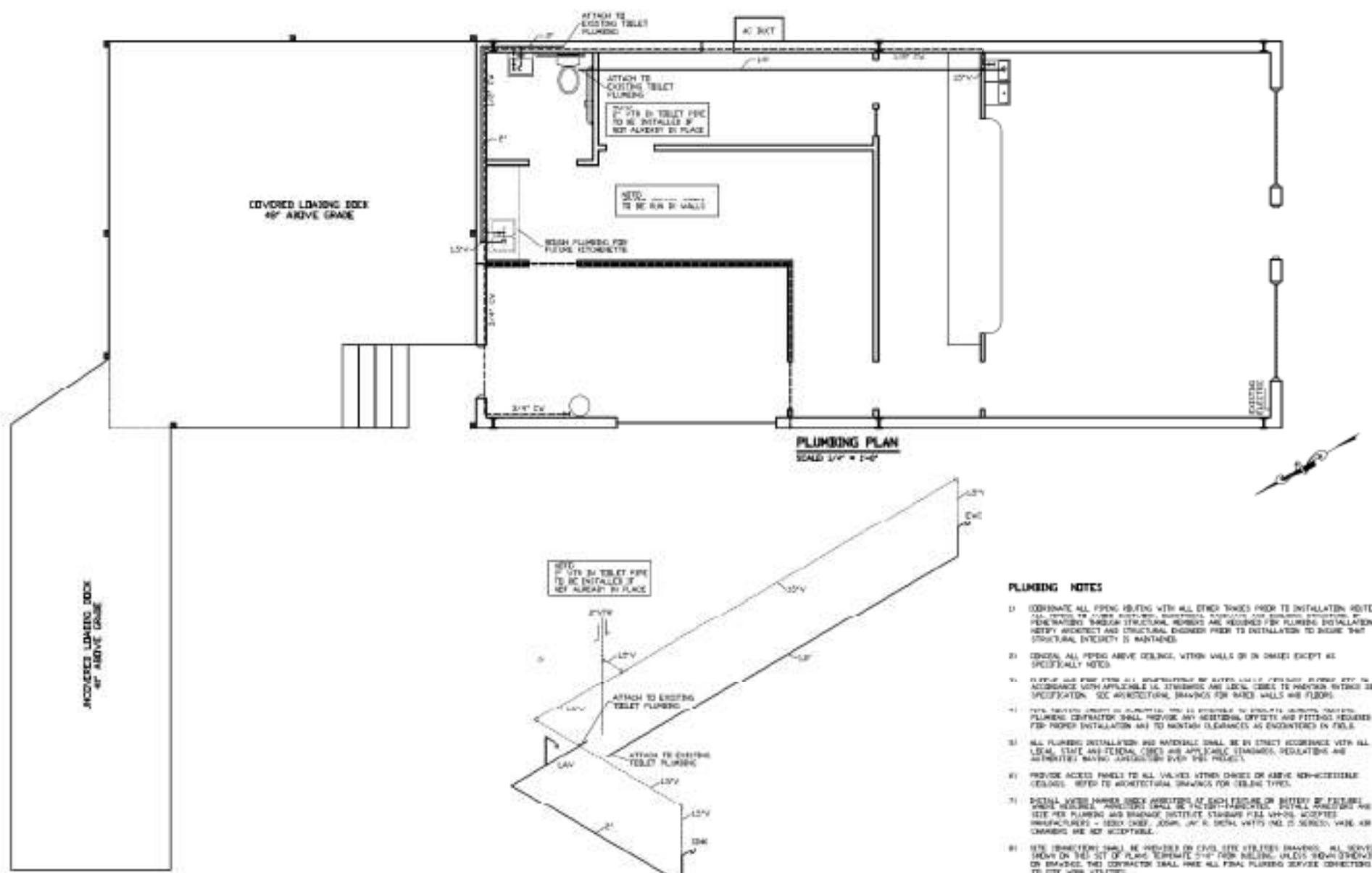
EXISTING PANEL-A 125 AMP (MIN)						
LOAD	TRIP	TERMINAL VOLT	CIRCUIT NUMBER	CIRCUIT VOLT	TRIP	LOAD
AC SYSTEM	40	44	1	4	40	WATER
RECEPTACLE	20	40	5	8	20	LIGHTS
RECEPTACLE	20	40	9	8	20	LIGHTS
RECEPTACLE	20	40	11	12	20	WATER
RECEPTACLE	20	40	13	14	20	WATER
RECEPTACLE	20	40	15	16	20	WATER
RECEPTACLE	20	40	17	18	20	WATER
RECEPTACLE	20	40	19	20	20	WATER
			21	22		
			23	24		
			25	26		
			27	28		
			29	30		



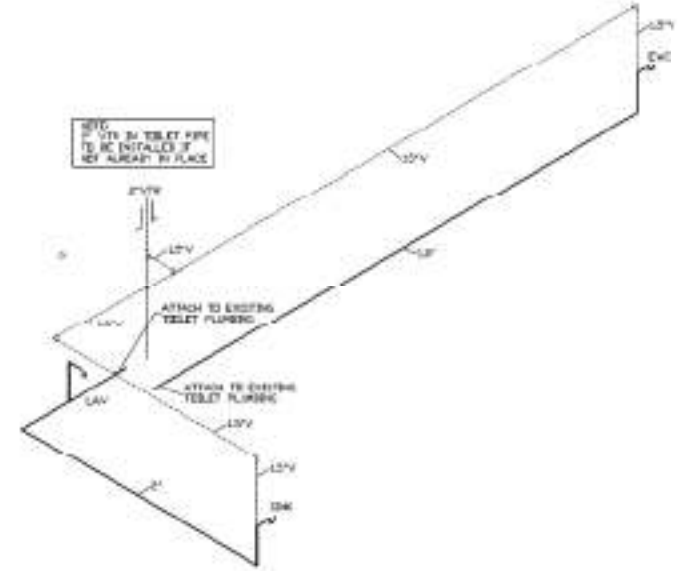
**D NEW WINDOW FRAMING DETAILS**  
SCALE 1/8" = 1'-0"



**C BUILDING SECTION FOR STORAGE ABOVE**  
SCALE 1/8" = 1'-0"



**PLUMBING PLAN**  
SCALE 1/4" = 1'-0"



**PLUMBING ISOMETRIC**  
SCALE 1/4" = 1'-0"

**PLUMBING NOTES**

- 01 COORDINATE ALL PIPING ROUTES WITH ALL OTHER TRADES PRIOR TO INSTALLATION. HIDE ALL PIPING IN WALLS, CEILING, UNDER FLOORS, AND UNDER DECKING. PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE REQUIRED FOR PLUMBING INSTALLATIONS. VERIFY ARCHITECT AND STRUCTURAL DRAWINGS PRIOR TO INSTALLATION TO ASSURE THE STRUCTURAL INTEGRITY IS MAINTAINED.
- 02 CONCEAL ALL PIPING ABOVE CEILING, WITHIN WALLS OR IN CHASES EXCEPT AS SPECIFICALLY NOTED.
- 03 PIPING AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES TO PROVIDE SMOOTH INTERIOR SURFACES. SEE ARCHITECTURAL DRAWINGS FOR WALLS AND FLOORS.
- 04 ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES TO PROVIDE SMOOTH INTERIOR SURFACES. SEE ARCHITECTURAL DRAWINGS FOR WALLS AND FLOORS.
- 05 ALL PIPING INSTALLATION AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND APPLICABLE STANDARDS, REGULATIONS AND AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
- 06 PROVIDE ACCESS PANELS TO ALL VALVES OTHER THAN ON ABOVE NON-ACCESSIBLE CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 07 INSTALL VALVE ACCESS PANELS AT EACH END OF ENTRY PIPELINES. INSTALL VALVE ACCESS PANELS AT EACH END OF ENTRY PIPELINES. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 08 SITE CONDITIONS SHALL BE PROVIDED ON CIVIL SITE UTILITIES DRAWINGS. ALL SERVICES SHOWN ON THIS SET OF PLANS REPRESENT 2" MIN. SLOPE UNLESS OTHERWISE NOTED. ON-SITE THE CONTRACTOR SHALL MAKE ALL FINAL PLUMBING SERVICE CONNECTIONS TO SITE UTILITIES.
- 09 DRAINAGE PIPING SHALL SLOPE NO LESS THAN 1/4" FALL PER FOOT.
- 10 FURNISH AND INSTALL REE BIRDS BY ABOVE FINISH GRANULES.
- 11 SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, HEIGHTS, IDENTIFICATIONS AND MANUFACTURER RECOMMENDATIONS.
- 12 VERIFY EXISTING ELEVATIONS AND EXIST LOCATIONS OF SERVICES TO WHICH NEW SERVICE LINES ARE TO BE CONNECTED BEFORE INSTALLATION.
- 13 PLUMBING CONTRACTOR SHALL INSTALL COLLECTIVE DRINK AT ALL CONNECTIONS OF DISINCHUR METALS.
- 14 REPAIR OR REPLACE AND SUPPLIED TO SPECIAL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVES. INSTALL VALVE HANDLES WHERE REQUIRED BY CODE.
- 15 ALL WATER PIPING PENETRATIONS THROUGH WALLS SHALL BE PLACED IN THE UPPER PORTION OF THE WALL. THE WALL PENETRATIONS SHALL BE PLACED IN THE UPPER PORTION OF THE WALL.
- 16 DO NOT PENETRATE WALL PARTITIONS WITH PIPING UNLESS ABSOLUTELY NECESSARY. COORDINATE WITH GENERAL CONTRACTOR TO OBTAIN PERMITS FOR SLEEVER WITH WALL PENETRATIONS.
- 17 VERIFY SETTING MANUFACTURER CAREFULLY CALLS THE JOINT BETWEEN FIXTURE AND WALL WITH TUB-GROUT.
- 18 ALL OLD WATER PIPING SHALL BE REPEARED OR REPLACED WITH NEW PIPING. ALL NEW PIPING SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
- 19 ALL UNDERGROUND WATER PIPING SHALL HAVE TWO (2) FEET OF STRAIGHT.
- 20 ALL SANITARY, COLD, WARM, HEATED AND DRAINAGE LINES SHALL BE NON-FLAMMABLE PVC OR AS REQUIRED FOR A SPECIFIC USE.
- 21 INSTALL EXPOSURES AT ALL EXPOSED WALL AND CEILING FOR PENETRATIONS.
- 22 INSTALL ALL EXPOSURES AS SHOWN AND/OR AS REQUIRED BY CODE.
- 23 TESTING SHALL BE AS FOLLOWS:  
SANITARY LINES - TEST SYSTEM WITH A MINIMUM HYDROSTATIC PRESSURE FOR A MIN. OF 10-MINUTES.  
DRAINAGE LINES - TEST SYSTEM WITH A MINIMUM HYDROSTATIC PRESSURE FOR A MIN. OF 10-MINUTES.



**TYPICAL EVC LAYOUT**  
SCALE 1/4" = 1'-0"



**ACCEPTABLE ADA COMPLIANT TOILETS**  
SCALE 1/4" = 1'-0"



**ADA FAUCETS**