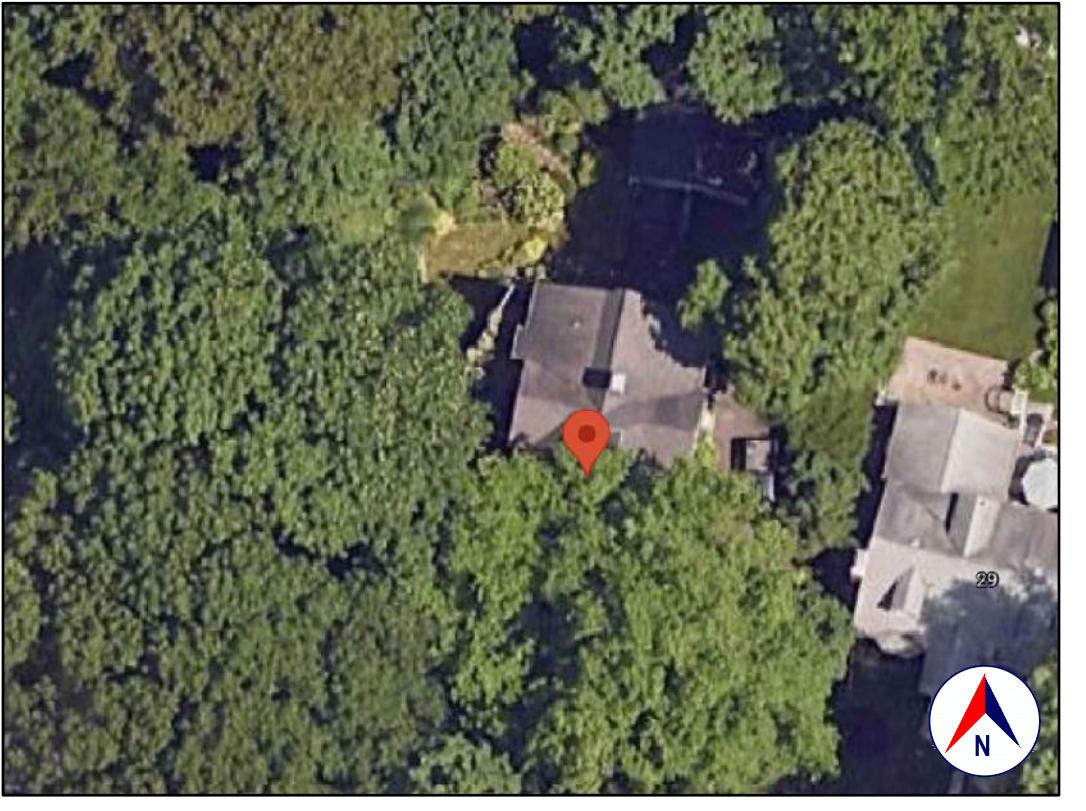
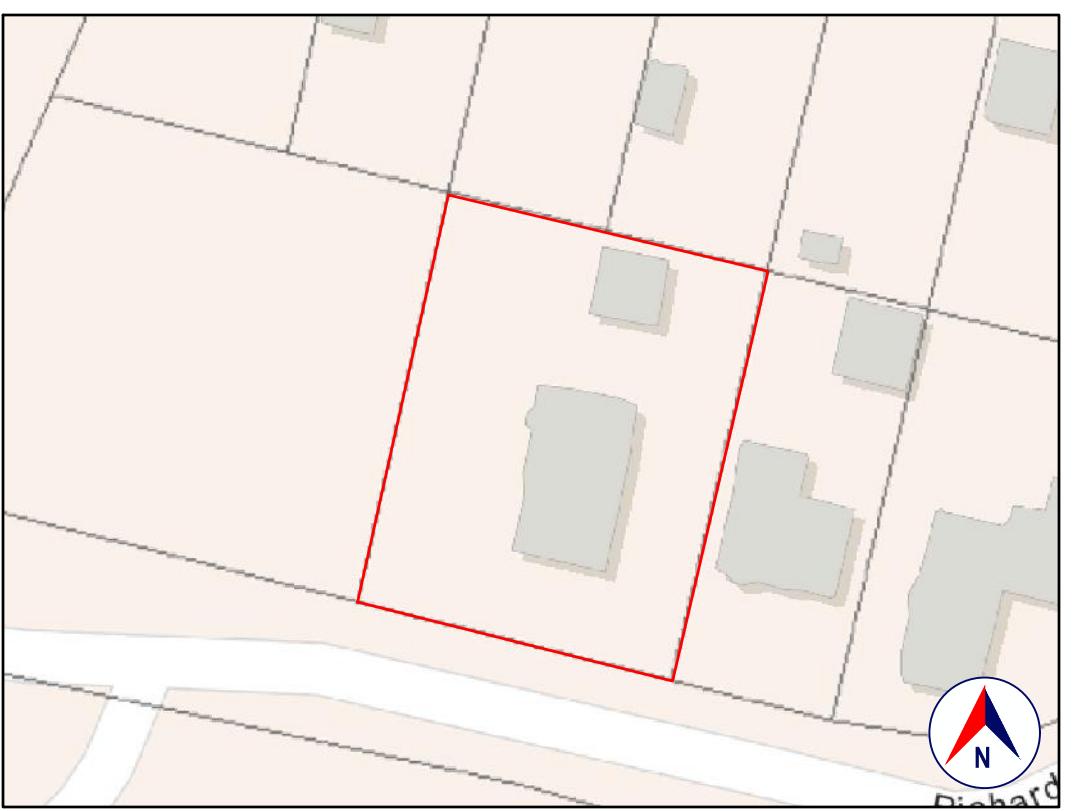


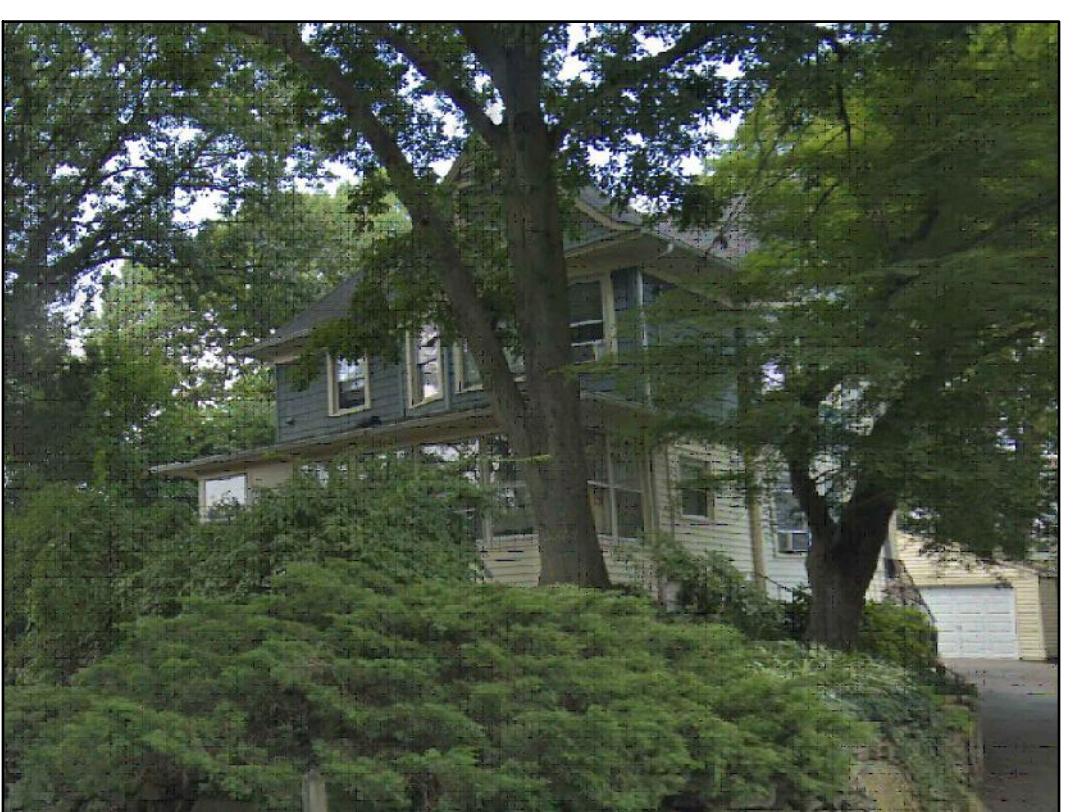
LOCATION  
GOOGLE MAPS



SATELLITE VIEW  
GOOGLE EARTH



TAX MAP  
CT ECO MAPS



FRONT VIEW  
GOOGLE STREET VIEW

## 1.0 GENERAL REQUIREMENTS:

### 1.1 SCOPE OF WORK:

#### EXTERIOR DECK AND DOOR

#### 1.2 DESIGN INTENT:

IT IS THE OVERALL INTENT OF (ALL OF THE DRAWINGS) TO CALL FOR COMPLETE AND FINISHED WORK, IN COMPLIANCE WITH THE NOTED CODES, AND TESTED AND GUARANTEED AND READY FOR OPERATION.

THE ENGINEER HAS NOT BEEN ENGAGED TO SUPERVISE ANY WORK AND DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

#### 1.3 EXISTING OF CONSTRUCTION TYPE:

THE EXISTING BUILDING, PER THE BUILDING CODE OF CONNECTICUT STATE, TABLE 601 IS CONSTRUCTION TYPE VB (CONSTRUCTION WHERE THE PRIMARY ELEMENTS ARE NOT REQUIRED TO BE FIRE RATED).

#### 1.4 CLASIFICATION OF PROPOSED WORK:

THE PROPOSED WORK IS OUTSIDE OF THE EXISTING BUILDING ENVELOPE; THE CODES REFERENCED BELOW APPLY TO ALL PROPOSED WORK.

#### 1.5 ZONING, OCCUPANCY AND USE:

YEAR BUILT: 1919 (PER ZILLOW)  
 ZONING: R-8 MULTI-FAMILY  
 OCCUPANCY CLASSIFICATION: RESIDENTIAL GROUP R-3 \*  
 EXISTING USE: MULTI-FAMILY  
 PROPOSED USE: MULTI-FAMILY (NO CHANGE)

- WHERE THE OCCUPANTS ARE PRIMARILY PERMANENT IN NATURE AND NOT CLASSIFIED AS OCCUPANCY GROUP R-1, R-2, R-4 OR I, INCLUDING BUILDINGS THAT DO NOT CONTAIN MORE THAN TWO DWELLING UNITS.

#### 1.6 COMPLIANCE:

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES:

- GENERAL: 2021 INTERNATIONAL RESIDENTIAL CODE PORTION OF THE CONNECTICUT STATE BUILDING CODE (INTERNATIONAL RESIDENTIAL CODE 2021 WITH AMENDMENTS).
- EXISTING: 2021 INTERNATIONAL EXISTING BUILDING CODE PORTION OF THE 2022 CONNECTICUT STATE BUILDING CODE (INTERNATIONAL EXISTING BUILDING CODE 2021 WITH AMENDMENTS).
- ENERGY: 2021 IECC PORTION OF THE 2022 CT STATE BUILDING CODE (INTERNATIONAL ENERGY CONSERVATION CODE 2021).
- PLUMBING: NOT APPLICABLE TO THESE DRAWINGS.
- ELECTRICAL: NOT APPLICABLE TO THESE DRAWINGS.
- DRAINAGE: NOT APPLICABLE TO THESE DRAWINGS.
- MUNICIPAL: CODE OF THE TOWN OF GREENWICH.
- OTHER: ALL REFERENCED CODES, OTHER CODES AND REGULATIONS, FEDERAL, STATE AND LOCAL, THAT MAY APPLY.

#### 1.7 AUTHORITY HAVING JURISDICTION:

THE AUTHORITY HAVING JURISDICTION, AS DEFINED IN SECTION R103.1 OF THE RESIDENTIAL CODE, AND WHICH SHALL PROVIDE FOR ADMINISTRATION AND ENFORCEMENT OF THE UNIFORM CODE AND ENERGY CODE BY LOCAL LAW, ORDINANCE, OTHER APPROPRIATE REGULATION, OR COMBINATION THEREOF, IS THE TOWN OF GREENWICH.  
 THE DULY APPOINTED BUILDING OFFICIAL OF THE TOWN OF GREENWICH IS AUTHORIZED TO ENFORCE THE PROVISIONS OF THE CODE.  
 THE BUILDING OFFICIAL MAY ADOPT POLICIES AND PROCEDURES IN ORDER TO CLARIFY THE APPLICATION OF THE PROVISIONS OF THE CODE. SUCH POLICIES AND PROCEDURES SHALL BE IN COMPLIANCE WITH THE INTENT AND PURPOSE OF THE CODE.

## 2.0 DESIGN CRITERIA:

### 2.1 DEAD LOAD:

PER 301.4, THE ACTUAL WEIGHTS OF MATERIALS AND CONSTRUCTION SHALL BE USED FOR DETERMINING DEAD LOAD; THE FOLLOWING APPROXIMATIONS (IN PSF) ARE USED FOR THIS PROJECT:

PSF
15
20
15

ALL OF THE LOADS LISTED MAY NOT APPLY TO THE CURRENT PROJECT.

### 2.2 LIVE LOAD:

UNIFORMLY DISTRIBUTED LIVE LOADS SHALL BE PER TABLE R301.5 AND AS FOLLOWS (IN PSF): USE PSF OTHER

UNINHABITABLE SPACE WITHOUT STORAGE:	10	(-42'H, 24'W)
UNINHABITABLE ATTICS WITH/WITHOUT STORAGE:	20	
HABITABLE ATTICS & ATTICS W/FLX STAIRS:	30	
EXTERIOR BALCONIES & DECKS:	40	
FIRE ESCAPES:	40	
GUARDS & HANDRAILS:	200 (CONCENTRATED)	(HORIZONTAL)
GUARD IN FILL COMPONENTS:	50	(62,000LB/205)
PASSENGER VEHICLE GARAGE:	40	
ROOMS OTHER THAN SLEEPING ROOMS:	40	
SLEEPING ROOMS:	40	
STAIRS:	40	(& 300LB/4S)
ROOF: PER 301.6 (INC. SNOW):	30	

\*SOME OF THE LOADS LISTED ABOVE MAY BE HIGHER THAN THOSE REQUIRED PER CODE.  
 ALL OF THE LOADS LISTED MAY NOT APPLY TO THE CURRENT PROJECT.

### 2.3 WIND LOAD:

WIND LOADS SHALL BE BASED ON THE ULTIMATE DESIGN WIND SPEED LISTED IN TABLE 301.2(1) AND ADJUSTED FOR HEIGHT AND EXPOSURE:

120 MPH. WIND LOADS WILL BE ALLOWED FOR IN: THE DESIGN LOAD PERFORMANCE REQUIREMENTS FOR WALL COVERINGS, ROOF COVERINGS, WINDOWS, SKYLIGHTS AND DOORS. COMPONENT AND CLADDING LOADS WILL BE PER TABLE R301.2(2)

### 2.4 ALLOWABLE LIVE LOAD DEFLECTION:

THE ALLOWABLE LIVE LOAD DEFLECTION OF ALL STRUCTURAL MEMBERS, SHALL BE PER TABLE R301.7 AND AS FOLLOWS:

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
RAFTERS HAVING SLOPES GREATER THAN 3:12 WITH FINISHED CEILING NOT ATTACHED TO RAFTERS	L/180
INTERIOR WALLS AND PARTITIONS	H/180
FLOORS	L/360
CEILING WITH BRITTLE FINISHES (INCLUDING PLASTER AND STUCCO)	L/360
CEILING WITH FLEXIBLE FINISHES (INCLUDING GYPSUM BOARD)	L/240
ALL OTHER STRUCTURAL MEMBERS	L/240
EXTERIOR WALLS-WIND LOAD WITH PLASTER OR STUCCO FINISHES	L/360
EXTERIOR WALLS-WIND LOAD WITH OTHER BRITTLE FINISHES	H/240
EXTERIOR WALLS-WIND LOADS WITH FLEXIBLE FINISHES	H/120
LINTELS SUPPORTING MASONRY VENEER WALLS	L/600

### 2.5 CLIMATIC AND GEOGRAPHIC CRITERIA:

CLIMATIC AND DESIGN CRITERIA FOR THE TOWN OF GREENWICH ARE PER TABLE R301.2(1) BELOW:

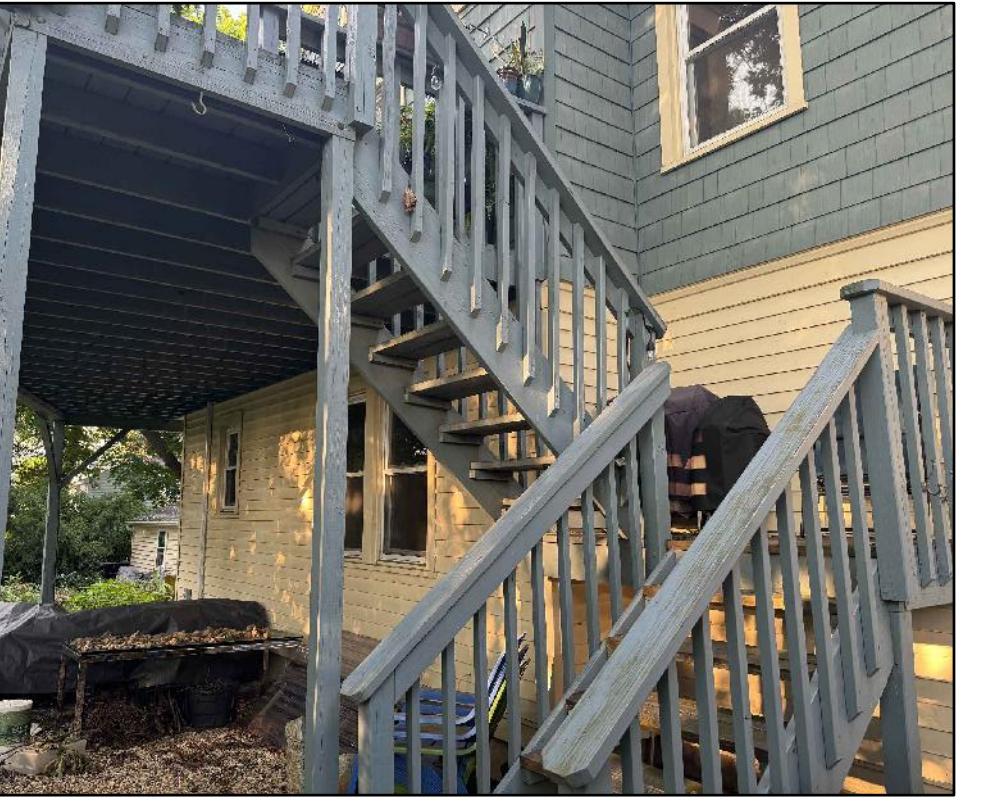
## PER 2021 RESIDENTIAL CODE OF CONNECTICUT, TABLE 301.2(1) (WIND) EXPOSURE CATEGORY: B CLIMATE ZONE: 5A

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP		
	WIND SPEED MPH	TOPOGRAPHIC EFFECTS		SPECIAL WIND REGION	WINDBORNE DEBRIS ZONE	WEATHERING	FROST LINE DEPTH	TERMITE					
30 PSF	120	NO	NO	NO	C	SEVERE	3'-6"	MOD/HEAVY	7°	YES	TO BE DETERMINED	1,500 OR LESS	50°

## 3.0 CONTRACTOR'S RESPONSIBILITIES:

### THE CONTRACTOR SHALL:

- PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR A COMPLETE AND FINISHED JOB.
- PROVIDE ALL NECESSARY SHORING AND BRACING FOR ALL BUILDING COMPONENTS IN ORDER TO ADEQUATELY PROTECT AGAINST ANY FAIERS.
- OBTAIN AND FOLLOW ALL SITE DIMENSIONS AND CONDITIONS - UNLESS OTHERWISE STIPULATED.
- PRIOR TO THE SUBMISSION OF ANY BID, AND BEFORE PROCEEDING WITH ANY WORK, VISIT THE SITE AND VERIFY IT AND FAMILIARIZE HIMSELF/ESELF WITH ALL SITE DIMENSIONS AND CONDITIONS, WITH SITE WORKING CONDITIONS, HOURS OF LEGAL OPERATION, METHODS AND ROUTES OF ACCESS, AND THE EXISTENCE AND EXTENT OF ANY OTHER RESTRICTIONS, AND BE RESPONSIBLE FOR THE VERIFICATION OF ALL SUCH CONDITIONS AND DIMENSIONS WHICH PERTAIN TO THE PROJECT.
- BRING ALL DISCREPANCIES IN CONDITIONS AND DIMENSIONS, BETWEEN THE APPROVED DRAWINGS AND ACTUAL FIELD CONDITIONS, TO THE IMMEDIATE ATTENTION OF THE OWNER, AND RECEIVE DIRECTION IN WRITING, BEFORE PROCEEDING WITH THE AFFECTED WORK.
- VERIFY THE AVAILABILITY, LOCATION, LAYOUT AND CONDITION OF UTILITIES, INCLUDING SEWER, WATER, GAS AND ELECTRIC LINES, PRIOR TO THE SUBMISSION OF ANY BID.
- HAVE CONTROL OVER AND SUPERVISE AND DIRECT THE WORK, INCLUDING THAT OF ITS SUBCONTRACTORS, AND BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR JOBSITE SAFETY, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- PRIOR TO THE COMMENCEMENT OF ANY WORK, VERIFY THE CONDITION OF ALL ADJOINING STRUCTURES WHICH MAY BE AFFECTED, AND PROVIDE ADEQUATE PROTECTION TO ANY STRUCTURE THAT MIGHT BE OTHERWISE AFFECTED.
- IN THE EVENT THAT DAMAGE IS CAUSED TO ANY STRUCTURE, FINISH, OR OTHER ELEMENT, RESTORE SUCH ELEMENTS TO THEIR ORIGINAL CONDITION, OR
- IF APPLICABLE, TAKE WEAK ELEMENTS AND MAKE THEM AS EFFECTIVE AND TIMELY MANNER, TO PROTECT THE PREMISES, PERSONNEL, MATERIALS AND INSTALLED WORK.
- BE A HOME IMPROVEMENT CONTRACTOR WITH A CURRENT LICENSE ISSUED BY THE DEPARTMENT OF CONSUMER PROTECTION OF THE STATE OF CONNECTICUT.
- BE CERTIFIED AS A LEAD SAFE FIRM BY THE EPA PER 40 CFR 745.226.
- CARRY LIABILITY INSURANCE TO THE LIMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND ISSUE CERTIFICATE(S) OF INSURANCE AS REQUIRED BY THE HOMEOWNER AND/OR THAT AUTHORITY.
- CARRY WORKMAN'S COMPENSATION AND DISABILITY INSURANCE AS REQUIRED BY THE LAW AND ISSUE CERTIFICATE(S) AS REQUIRED BY THE HOMEOWNER AND/OR THE AUTHORITY HAVING JURISDICTION.



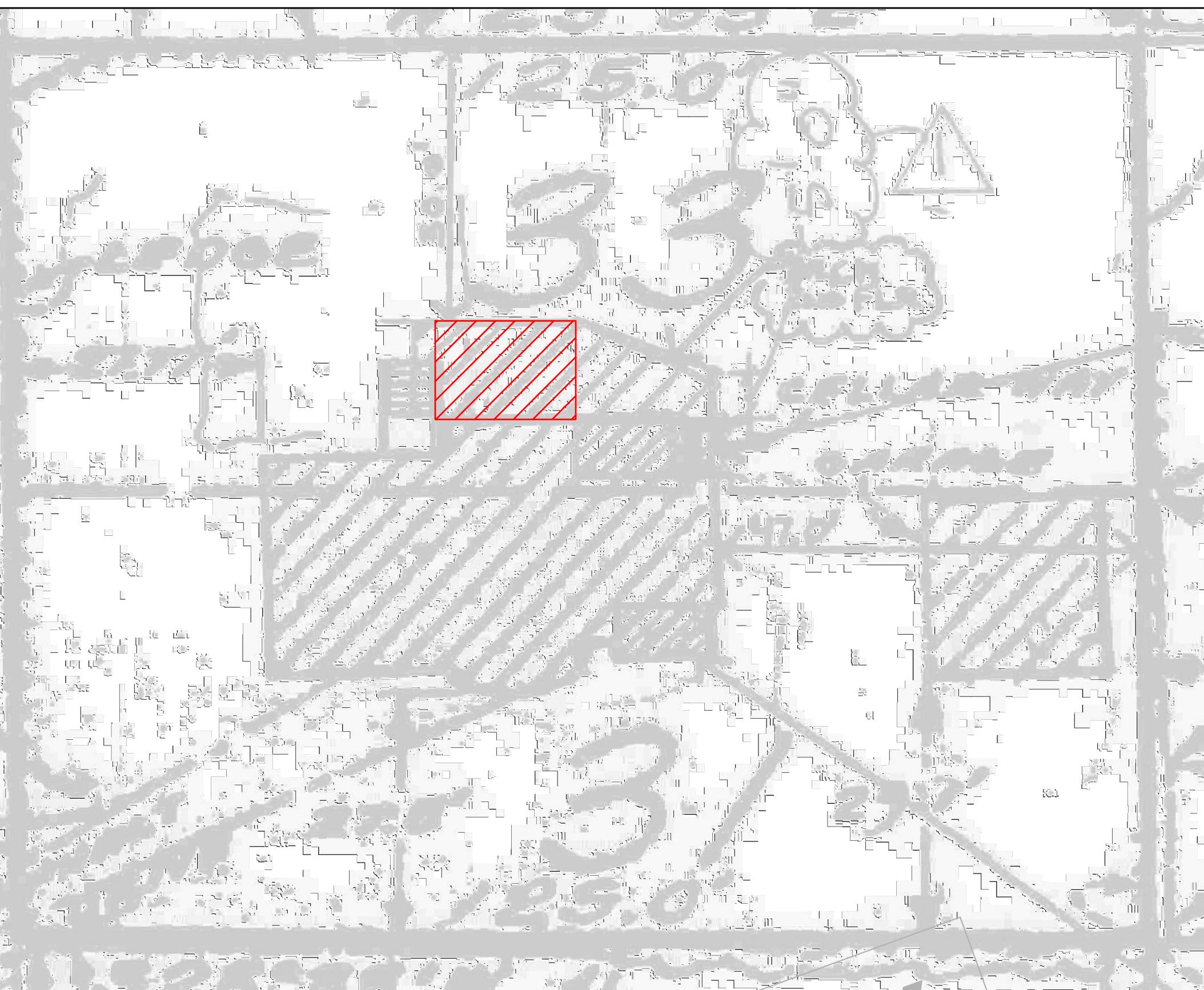
EXISTING CONDITION

08.14.2024



EXISTING CONDITION

08.14.2024



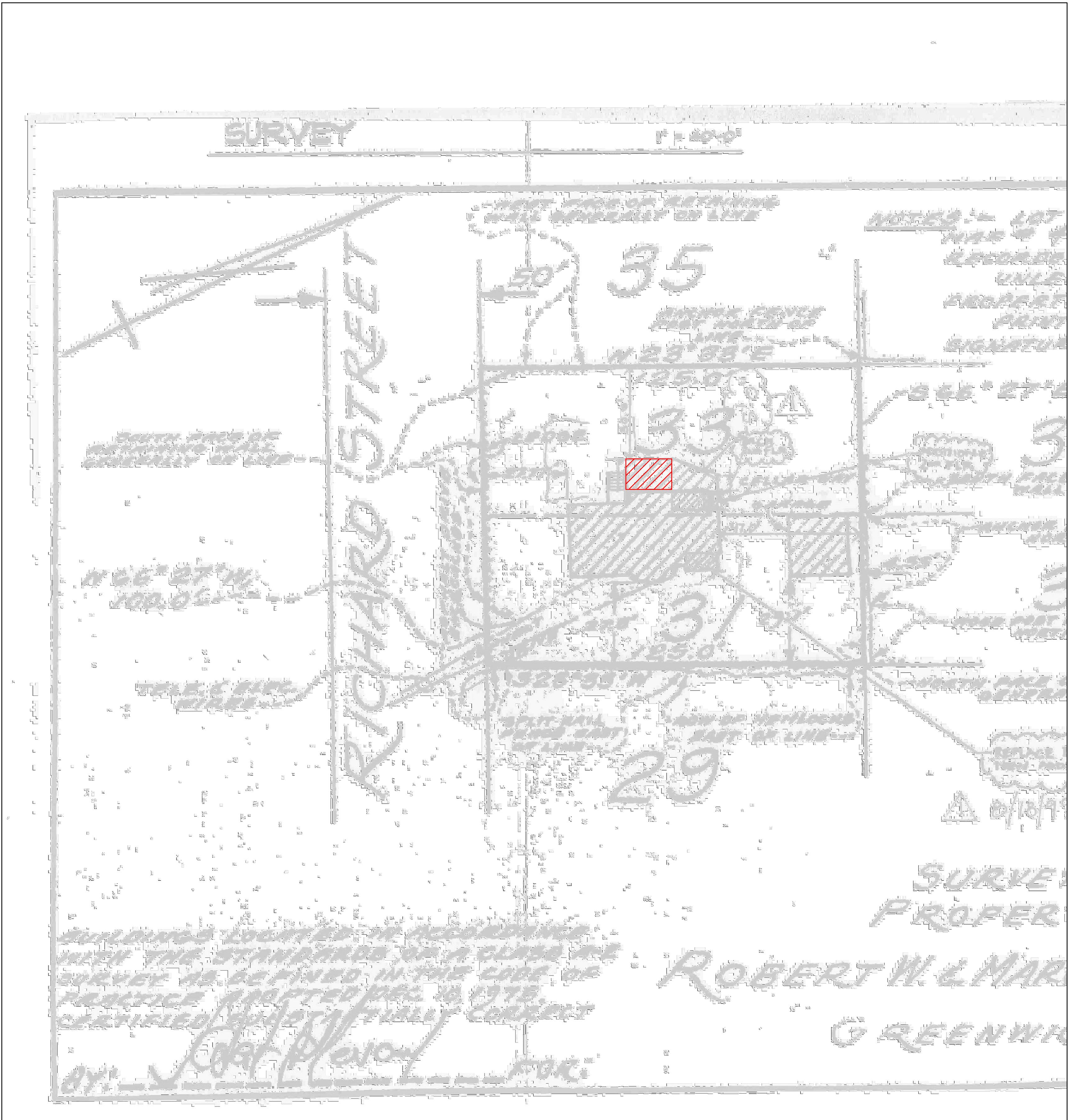
PARTIAL SURVEY

NOT TO SCALE

LIST OF DRAWINGS			
SHEET	DRAWING NAME	DATE	REVISION
C-01	COVER SHEET	08.14.2024	01.24.2025
S-01	SITE PLAN	08.14.2024	01.24.2025
S-02	DECK PLANS	08.14.2024	01.24.2025
S-03	DECK DETAILS	08.14.2024	01.24.2025

DO NOT SCALE DRAWINGS | THIS DRAWING IS SCALED TO PRINT ON AN ARCH D (24" X 36") SHEET

NOTE: THIS DRAWING IS VALID FOR CONSTRUCTION IF (AND ONLY IF) A PERMIT IS ISSUED, BASED ON THIS DRAWING, BY THE TOWN OF GREENWICH.



PARTIAL SURVEY  
1" = 20'

THIS DRAWING IS AS A SAMPLE ONLY  
\*\* PERSONAL (CLIENT) INFORMATION WITHHELD

#### SITE WORK

##### EXCAVATION SAFETY:

THE CONTRACTOR SHALL COMPLY WITH THE TRENCHING AND EXCAVATION REQUIREMENTS OF 29 CFR 1926.651 AND 1926.652 OR COMPARABLE OSHA-APPROVED STATE PLAN REQUIREMENTS. TRENCHES 5 FEET DEEP OR GREATER REQUIRE A PROTECTIVE SYSTEM UNLESS THE EXCAVATION IS MADE ENTIRELY IN STABLE ROCK.

THE CONTRACTOR SHALL HAVE A COMPETENT PERSON INSPECT EXCAVATIONS DAILY AND AS CONDITIONS CHANGE TO ENSURE ELIMINATION OF EXCAVATION HAZARDS.

A COMPETENT PERSON IS AN INDIVIDUAL WHO IS CAPABLE OF IDENTIFYING EXISTING AND PREDICTABLE HAZARDS OR WORKING CONDITIONS THAT ARE HAZARDOUS, UNSANITARY, OR DANGEROUS TO WORKERS. SOIL TYPES AND PROTECTIVE SYSTEMS REQUIRED, AND WHO IS AUTHORIZED TO TAKE PROMPT CORRECTIVE MEASURES TO ELIMINATE THESE HAZARDS AND CONDITIONS.

##### EXCAVATION - LOCATING UTILITIES - CALL 811:

CONNECTICUT STATE LAW (16 NYCRR PART 753) REQUIRES ALL EXCAVATORS TO PLACE A LOCATION REQUEST WITH DIG SAFELY CONNECTICUT AT LEAST TWO (2) FULL WORKING DAYS, BUT NO MORE THAN 10 WORKING DAYS BEFORE BEGINNING AN EXCAVATION PROJECT IN ORDER TO ENSURE ALL UNDERGROUND UTILITY LINES ARE PROPERLY MARKED BY THEIR OWNERS.

A LOCATION REQUEST MAY BE PLACED, AND THE PROCESS OF MARKING UNDERGROUND UTILITIES MAY BE TRACKED, BY USING THE ONLINE LOCATION REQUEST PROGRAM, EXACTIX. OR, THE EXCAVATOR MAY CALL 811 TO PLACE THE LOCATION REQUEST.

- NOTIFY: NOTIFY 811 ONLINE WITH EXACTIX OR BY CALLING 811.
- WAIT: AT LEAST TWO DAYS FOR UTILITIES TO RESPOND (NOT INC. THE DAY YOU CALL).
- CONFIRM: CHECK ALL UTILITIES HAVE RESPONDED.
- RESPECT: ADHERE TO UTILITY MARKS AND FLAGS.

DIG CAUTION: DIG CAREFULLY AROUND BURIED UTILITIES.

NOTE:  
THE TOWN OF GREENWICH MAY REQUIRE THE CONTRACTOR TO PROVIDE A "DIG SAFELY" CODE 753 CASE NUMBER.

#### DEMOLITION:

THE CONTRACTOR SHALL:  
DEMOLISH AND REMOVE ALL ELEMENTS NOTED IN THE DRAWINGS FOR DEMOLITION, AND AS REQUIRED FOR THE COMPLETION OF ALL WORK SHOWN ON THESE DRAWINGS.

ALLOW NO DEBRIS TO ACCUMULATE; HAUL AWAY FROM SITE ALL DEBRIS AT CONTRACTOR'S EXPENSE; REMOVE ALL DEBRIS ON A REGULAR BASIS AND MAINTAIN JOBSITE IN A CLEAN AND TIDY CONDITION.

FULLY PROTECT ALL STRUCTURES, BUILDING ELEMENTS, EQUIPMENT, APPLIANCES AND FINISHES THAT ARE TO REMAIN FROM DAMAGE CAUSED BY ANY OF THE CONTRACTOR'S ACTIVITIES.

PROTECT ALL ADJACENT AREAS, AND ALL NEIGHBORING PROPERTY, FROM DAMAGE, INJURY AND DISCOMFORT CAUSED BY DUST.

PROTECT ALL PUBLIC PROPERTIES AND PREMISES FROM DAMAGE AND PREVENT ANY ACCUMULATION OF DEBRIS, DUST OR RUBBISH IN ANY PUBLIC AREA.

ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE CAUSED TO EXISTING ELEMENTS AND MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.

CONDUCT ALL DEMOLITION OPERATIONS IN SUCH A MANNER AS TO PREVENT UNAUTHORIZED ENTRY OF ANY PERSONS AT ANY TIME; POST APPROPRIATE SIGNAGE AS REQUIRED.

LOCATE ALL UTILITY AND DRAINAGE LINES PRIOR TO COMMENCEMENT OF DEMOLITION AND PROTECT ALL ACTIVE LINES AS REQUIRED. IDENTIFY CLEARLY ANY WORK THAT MAY RESULT IN THE INTERRUPTION OF ANY SERVICES WITHIN THE AREA OF WORK OR IN ANY ADJACENT SPACE OR PROPERTY AND COORDINATE SUCH INTERRUPTIONS WITH ALL INVOLVED PARTIES.

NOTIFY THE OWNER, UTILITY COMPANIES, FIRE DEPARTMENT, ALARM COMPANIES, ETC. OF ANY WORK AFFECTING THEIR SYSTEMS AS REQUIRED BY ALL APPLICABLE CODES, RULES, AND REGULATIONS.

#### MASONRY AND CONCRETE

##### 1. CONCRETE

STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH THE LATEST EDITION OF ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ISSUED AND MAINTAINED BY THE AMERICAN CONCRETE INSTITUTE, AND AS NOTED BELOW.

ALL ACI REQUIREMENTS FOR HOT AND COLD WEATHERING CONCRETE MUST BE ADHERED TO.

##### STRENGTH:

CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS UNLESS OTHERWISE NOTED ON THE DRAWINGS:

FOUNDATION WALLS, SLAB ON GRADE: 4000 PSI, NORMAL WEIGHT  
FOOTINGS AND PIERS: 4000 PSI, NORMAL WEIGHT

CONCRETE ON METAL DECK: 4000 PSI, NORMAL WEIGHT  
ALL OTHER CONCRETE: 4000 PSI, NORMAL WEIGHT

ALL EXPOSED CONCRETE SHALL HAVE AN AIR ENTRAINING AGENT.

##### COVER:

MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE ON THE DRAWINGS:

SLABS: 3/4"  
WALLS: 1"  
COLUMNS: 1 1/2"  
EXPOSED TO WEATHER OR EARTH: 2"  
CONCRETE PLACED AGAINST MORTAR: 3"

##### 2. REINFORCING STEEL:

DETAILS SHALL BE IN ACCORDANCE WITH ACI-315, DETAILS AND DETAILING OF CONCRETE REINFORCEMENT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

ALL REINFORCING BARS SHALL CONFORM TO ASTM A 315, GRADE 60 UNLESS REQUIRED TO BE WELDED AS SHOWN ON PLANS.

ALL REINFORCING BARS REQUIRED TO BE WELDED SHALL CONFORM TO AS 1416, GRADE 60.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.

SUPPORT WIRE FABRIC WITH CHAIRS OR LIFTS DURING CONCRETE PLACEMENT TO INSURE PROPER POSITION IN SLAB.

ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS. REINFORCEMENT SHALL BE SECURED IN THE PROPER LOCATION IN THE FORMS WITH TIE WIRE OR OTHER BAR SUPPORT SYSTEM TO PREVENT DISPLACEMENT DURING THE CONCRETE PLACEMENT OPERATION.

WHERE NOT SPECIFICALLY INDICATED ON THE DRAWINGS, SPLICING & EMBEDMENTS SHALL BE IN ACCORDANCE TABLE R608.5.4(1) LAP SPLICE AND TENSION DEVELOPMENT LENGTHS.

#### GUARD RAILS:

ALL GUARD RAILS SHALL COMPLY WITH SECTION R312 OF THE CODE AND BE AS FOLLOWS:

##### HEIGHT:

GUARDS ON THE OPEN SIDES OF WALKING SURFACES, INCLUDING STAIRS, PORCHES, BALCONIES OR LANDINGS, SHALL BE NOT LESS THAN 36" IN HEIGHT AS MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE OR THE LINE CONNECTING THE NOSINGS.

##### HEIGHT EXCEPTIONS:

GUARDS ON THE OPEN SIDES OF STAIRS SHALL HAVE A HEIGHT OF NOT LESS THAN 34" MEASURED VERTICALLY FROM A LINE CONNECTING THE NOSINGS. WHERE THE TOP OF THE GUARD SERVES AS A HANDRAIL ON THE OPEN SIDES OF STAIRS, THE TOP OF THE GUARD SHALL BE NOT LESS THAN 34" AND NOT MORE THAN 38 INCHES AS MEASURED VERTICALLY FROM A LINE CONNECTING THE NOSINGS.

##### OPENINGS:

GUARDS SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT THAT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER.

EXCEPTIONS:  
THE TRIANGULAR OPENINGS AT THE OPEN SIDE OF STAIR, FORMED BY THE RISER, TREAD AND BOTTOM RAIL OF A GUARD, SHALL NOT ALLOW PASSAGE OF A SPHERE 6" IN DIAMETER.  
GUARDS ON THE OPEN SIDE OF STAIRS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4 1/2" IN DIAMETER.

#### HAND RAILS:

HANDRAILS SHALL BE PROVIDED ON NOT LESS THAN ONE SIDE OF EACH FLIGHT OF STAIRS WITH FOUR OR MORE RISERS. SHALL COMPLY WITH SECTION R311 OF THE CODE, AND BE AS FOLLOWS:

##### HEIGHT:

HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING, SHALL BE NOT LESS THAN 34" AND NOT MORE THAN 38".

##### GRIP SIZE:

REQUIRED HANDRAILS SHALL BE OF ONE OF THE FOLLOWING TYPES (I OR II) OR PROVIDE EQUIVALENT GRASPABILITY.

##### TYPE I:

HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF NOT LESS THAN 1 1/2" AND NOT GREATER THAN 2". IF THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER OF NOT LESS THAN 4" AND NOT GREATER THAN 6" AND A CROSS SECTION OF NOT MORE THAN 2 1/4". EDGES SHALL HAVE A RADIUS OF NOT LESS THAN 0.01".

##### TYPE II:

HANDRAILS WITH A PERIMETER GREATER THAN 6 1/4" SHALL HAVE A GRASPABLE FINGER RECESS AREA ON BOTH SIDES OF THE PROFILE. THE FINGER RECESS SHALL BEGIN WITHIN 3/4" MEASURED VERTICALLY FROM THE TALLEST PORTION OF THE PROFILE AND HAVE A DEPTH OF NOT LESS THAN 3/4" WITHIN 3/4" BELOW THE WIDEST PORTION OF THE PROFILE. THIS REQUIRED DEPTH SHALL CONTINUE FOR NOT LESS THAN 3 1/2" TO A LEVEL THAT IS NOT LESS THAN 1 1/2" BELOW THE TALLEST PORTION OF THE PROFILE. THE WIDTH OF THE HANDRAIL ABOVE THE RECESS SHALL BE NOT LESS THAN 1 1/4" AND NOT MORE THAN 2 1/4". EDGES SHALL HAVE A RADIUS OF NOT LESS THAN 0.01".

##### CONTINUITY:

HANDRAILS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS.

##### EXCEPTIONS:

HANDRAIL CONTINUITY SHALL BE PERMITTED TO BE INTERRUPTED BY A NEWEL POST AT A TURN IN A FLIGHT WITH WINDERS, AT A LANDING, OR OVER THE LOWEST TREAD.

#### PLASTIC COMPOSITE MATERIALS:

##### COMPLIANCE:

PLASTIC COMPOSITE EXTERIOR DECK BOARDS, STAIR TREADS, GUARDS AND HANDRAILS SHALL COMPLY WITH THE REQUIREMENTS OF R507.2.2 OF THE RESIDENTIAL CODE AND OF ASTM D7032.

##### LABELING:

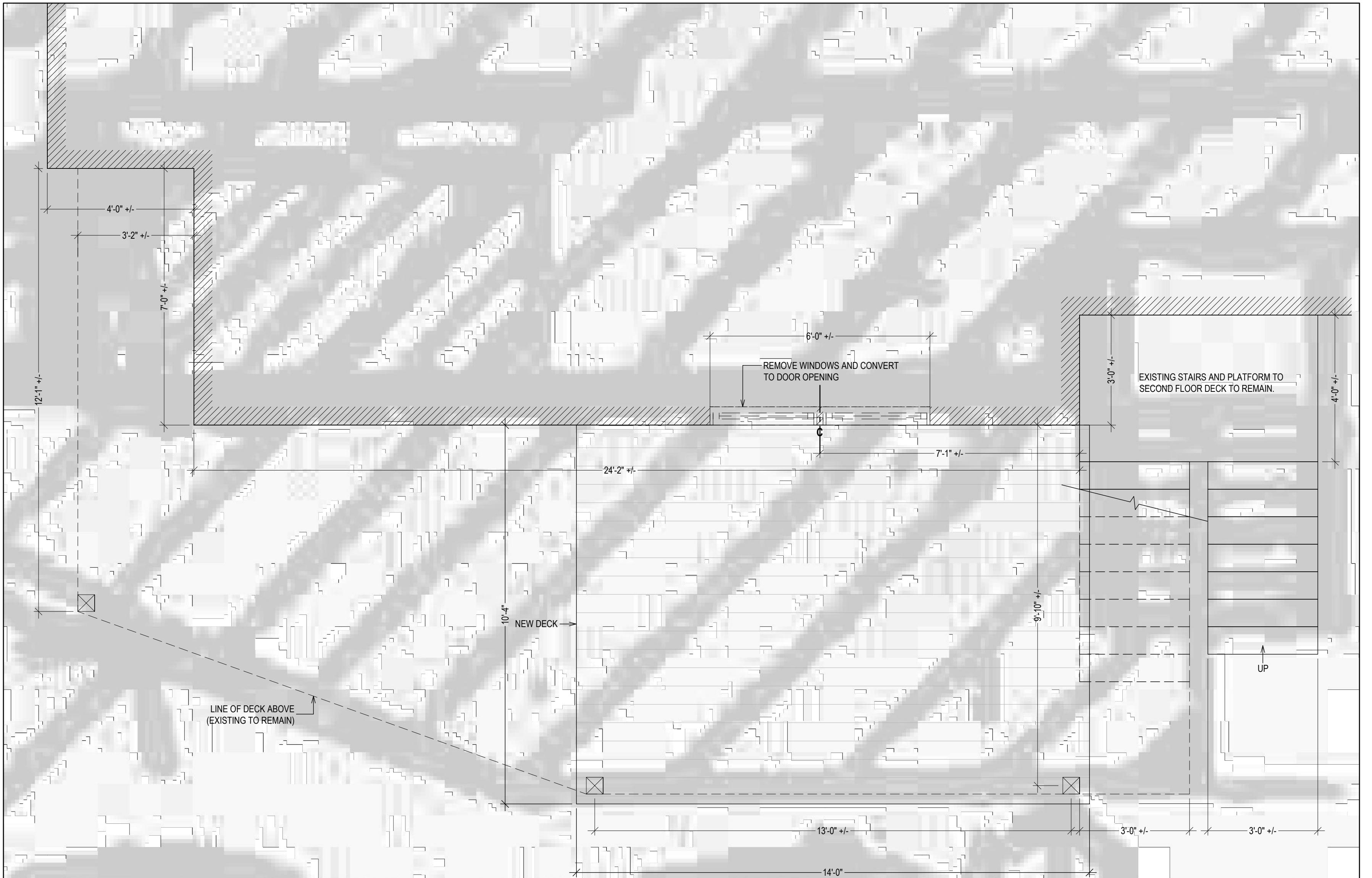
PLASTIC OR COMPOSITE HANDRAILS AND GUARDS, OR THEIR PACKAGING, SHALL BEAR A LABEL THAT INDICATES COMPLIANCE WITH ASTM D7032 AND INCLUDES THE MAXIMUM ALLOWABLE SPAN DETERMINED IN ACCORDANCE WITH ASTM D7032.

##### INSTALLATION:

THEY SHALL BE INSTALLED IN ACCORDANCE WITH THIS CODE AND THE MANUFACTURER'S INSTRUCTIONS.

##### APPROVAL:

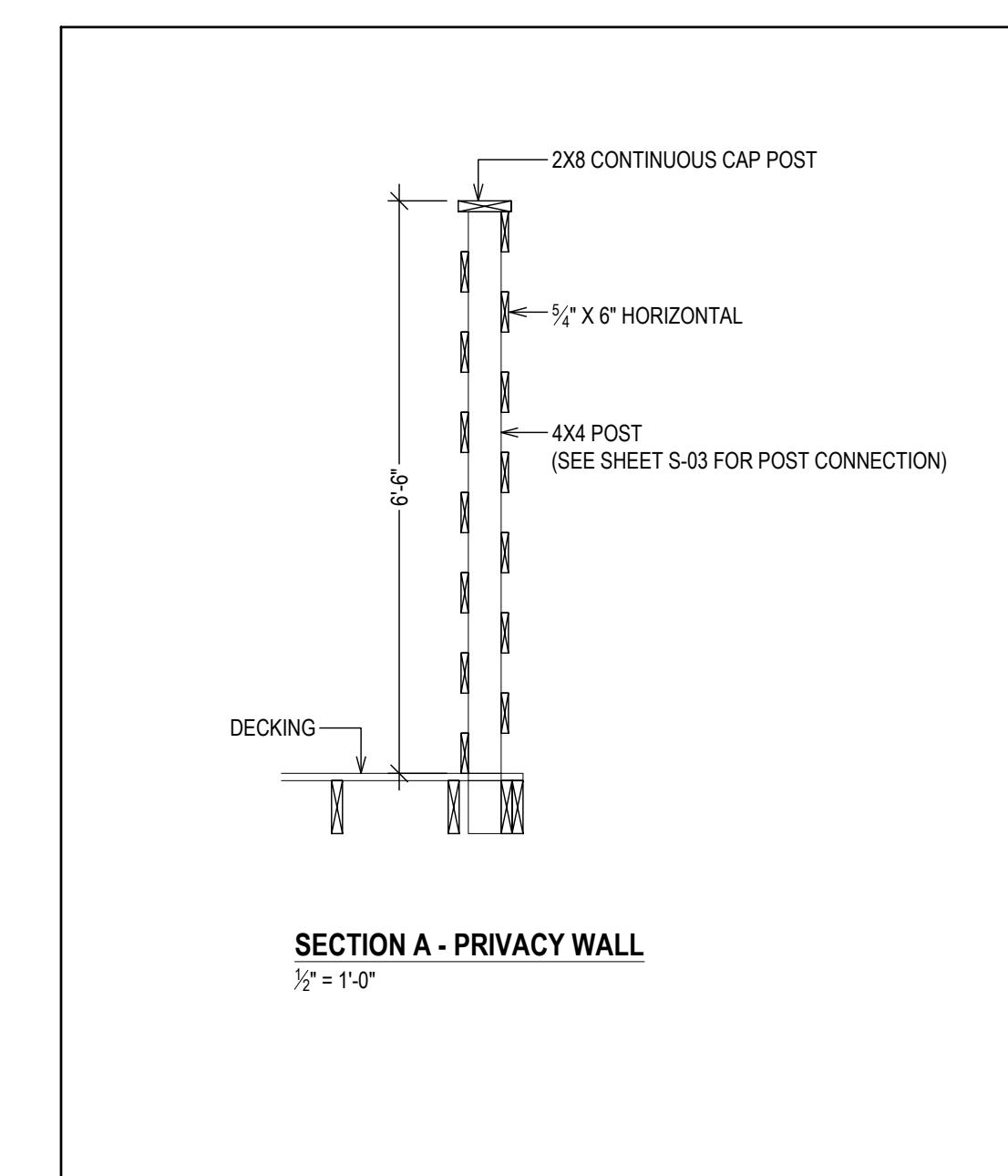
NEW POSTS (TRIM) AND RAILINGS TO BE COMPOSITE MATERIAL, COMPLIANT WITH THE ABOVE REQUIREMENTS, AND TO BE APPROVED BY OWNER PRIOR TO INSTALLATION;  
RAILS TO BE TIMBERTECH CLASSIC COMPOSITE-SERIES OR OTHER APPROVED BY OWNER.  
SEE CONNECTION DETAILS ON SHEET S-03



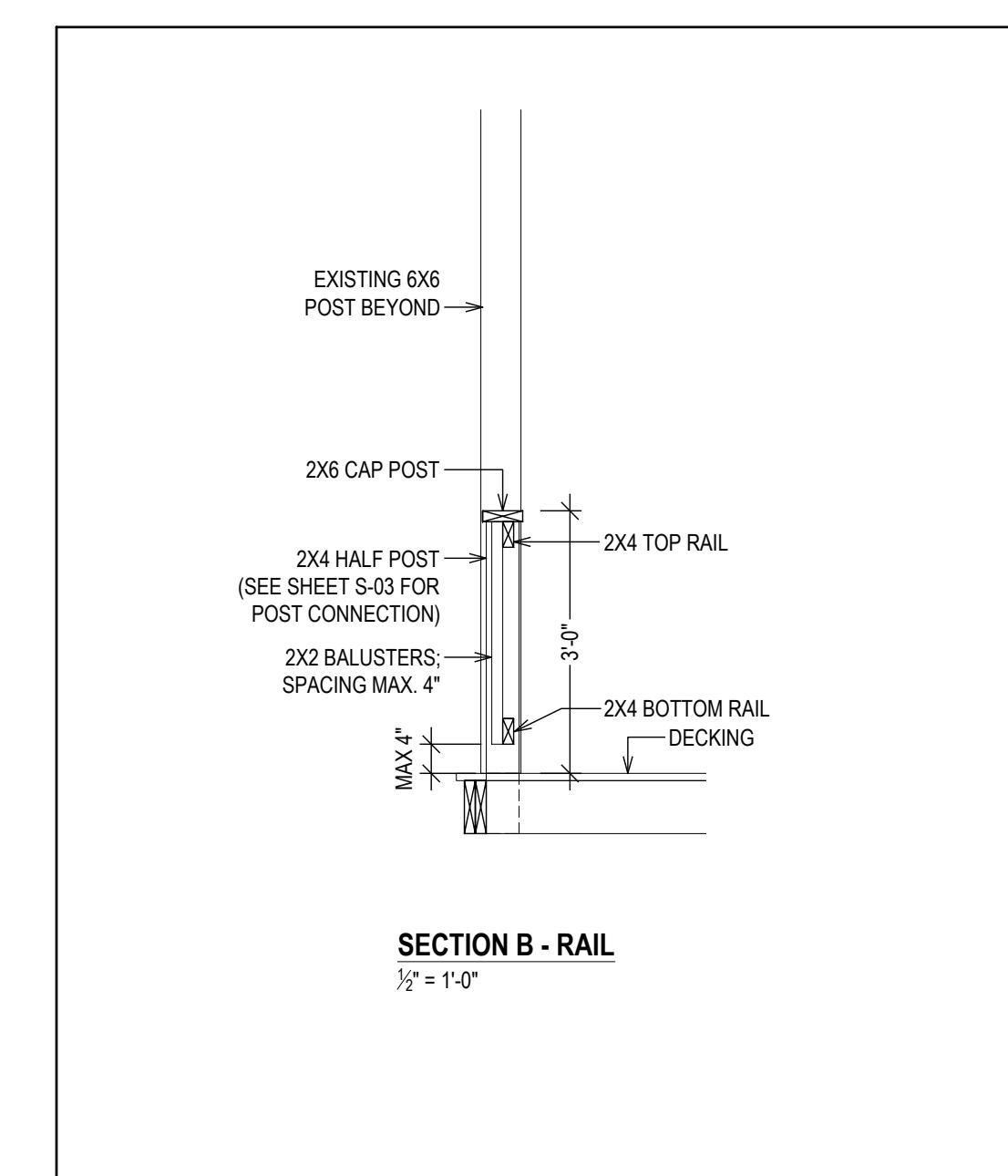
PROPOSED DECK PLAN  
OVERLaid ON PARTIAL SURVEY  
 $\frac{1}{2} = 1'-0"$



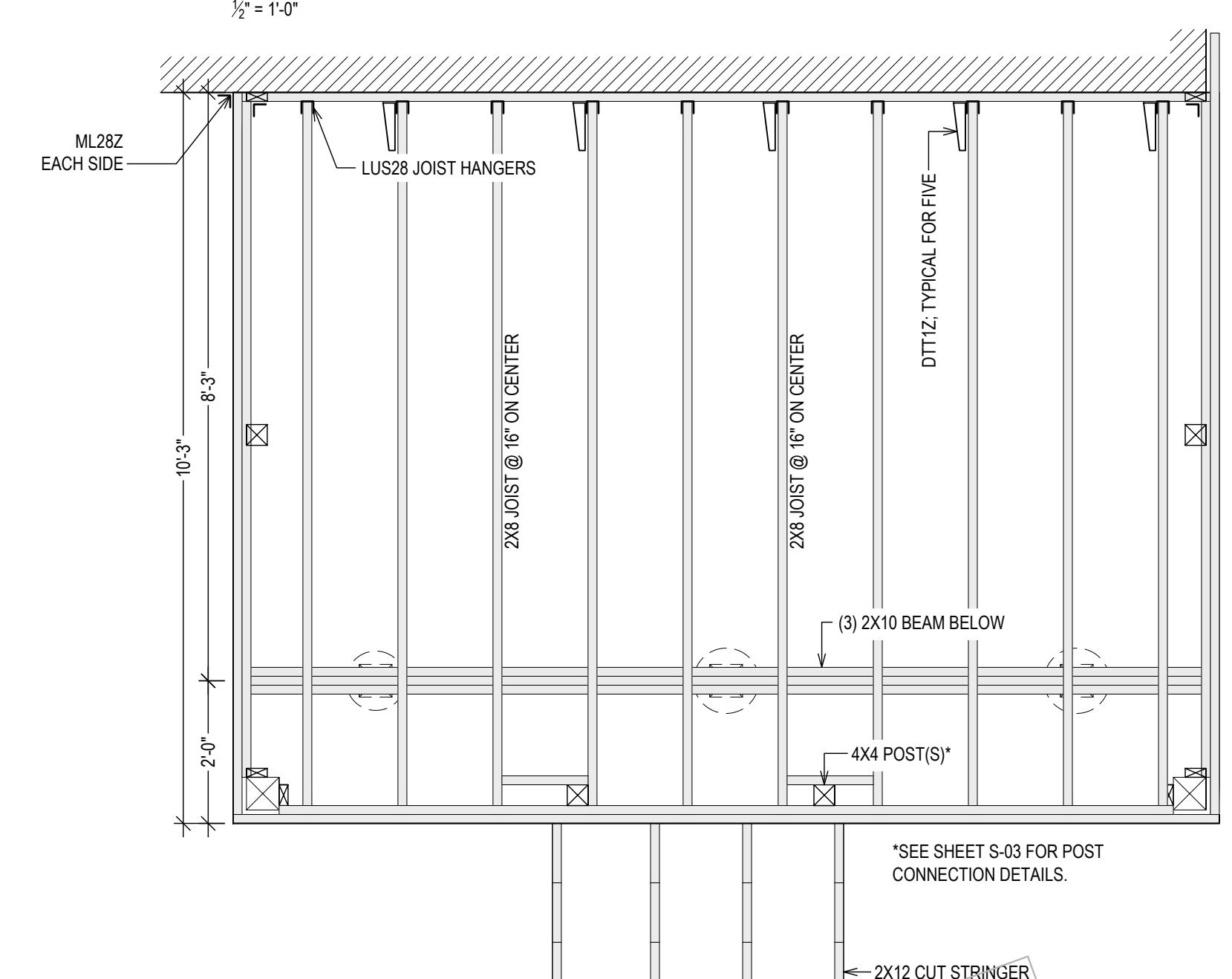
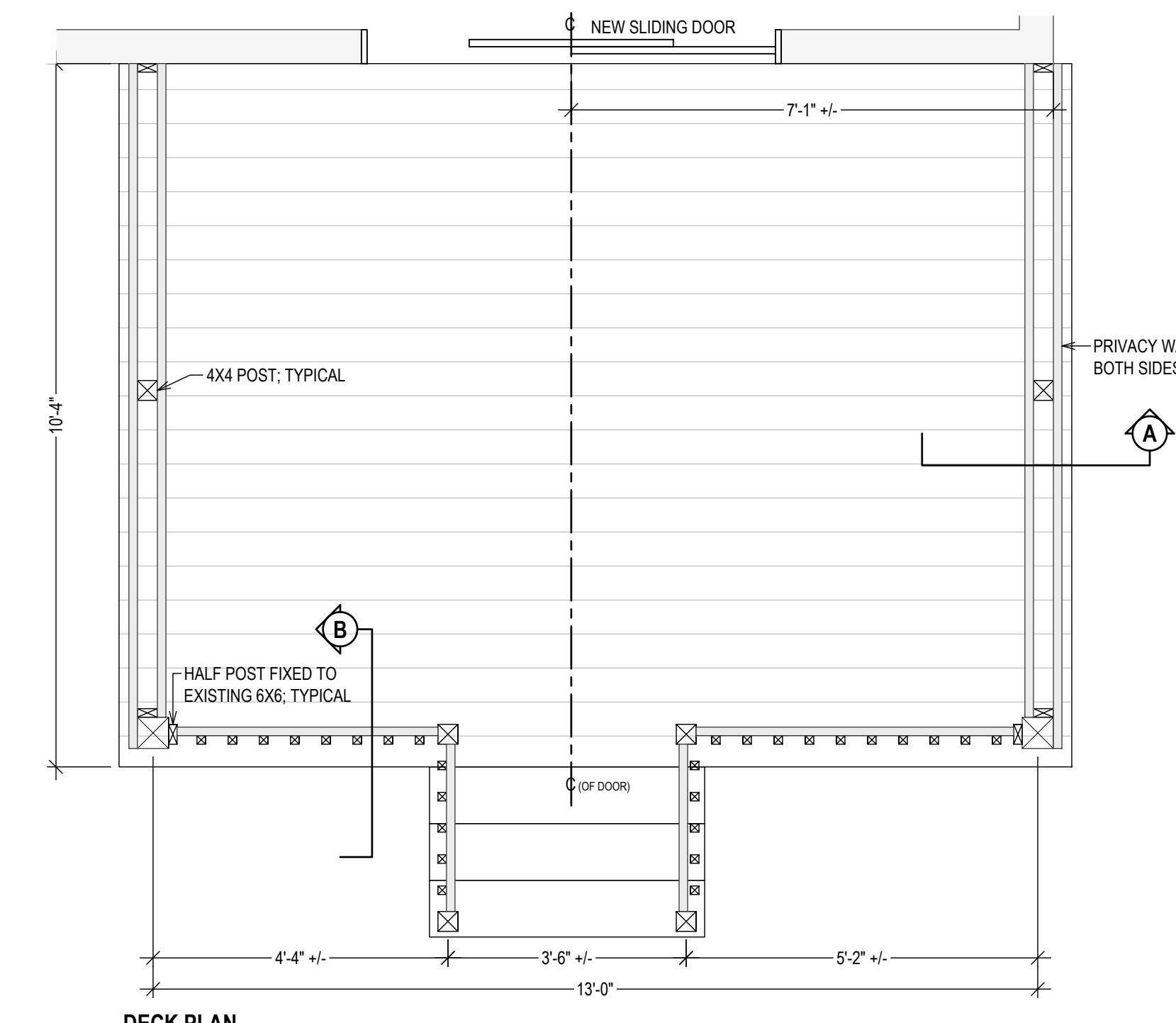
Andersen  
71-1/4 in. x 79-1/2 in. 100 Series White Left-Hand Composite Gliding Patio Door with White Interior and White Hardware  
MODEL: 9207459



SECTION A - PRIVACY WALL  
 $\frac{1}{2} = 1'-0"$



SECTION B - RAIL  
 $\frac{1}{2} = 1'-0"$



FRAMING PLAN  
ALL LUMBER IS TO BE PRESSURE PRESERVATIVE TREATED  
 $\frac{1}{2} = 1'-0"$

