

# APPLICATION FOR BUILDING PERMIT

The Village of Irvington | 85 Main St | Irvington NY 10533

Application Number:	813	Date:	10/07/2022
Job Location:	57 BUTTERWOOD LANE WEST	Parcel ID:	2.130-67-22
Property Owner:	Brett and Hannah Parker	Property Class:	1 FAMILY RES
Occupancy:	One/ Two Family	Zoning:	
Common Name:			

Applicant	Contractor
David Barbuti	
David A. Barbuti Architect, PC	
150 White Plains Road Suite 103Tarrytown NY 10591	
914-760-1120	

## Description of Work

Type of Work:	Interior Renovation/ Repair	Applicant is:	Architect
Work Requested by:	The Owner	In association with:	
Cost of Work (Est.):	50000.00	Property Class:	1 FAMILY RES

## Description of Work

**Convert existing Basement into finished space, add a Bathroom and add an emergency escape and rescue window. Replace existing fireplace and flue in existing 1st floor Living Room**

**Please Note:** Completing the application does not constitute a permit to commence construction. To obtain your permit follow the instructions on the instruction page provided on page 3.

Job Location: 57 BUTTERWOOD LANE WEST

Parcel Id: 2.130-67-22

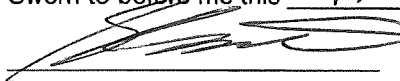
### AFFIDAVIT OF APPLICANT

I David Barbuti being duly sworn, depose and says: That s/he does business as: David A. Barbuti Architect, PC with offices at: 150 White Plains Road Suite 103 Tarrytown NY 10591 and that s/he is:

- ☐ The owner of the property described herein.
- ☐ The \_\_\_\_\_ of the New York Corporation \_\_\_\_\_ with offices at: \_\_\_\_\_ duly authorized by resolution of the Board of Directors, and that said corporation is duly authorized by the owner to make this application.
- ☐ A general partner of \_\_\_\_\_ with offices \_\_\_\_\_ and that said Partnership is duly authorized by the Owner to make this application.
- ☒ The Lessee of the premises, duly authorized by the owner to make this application.
- ☒ The Architect of Engineer duly authorized by the owner to make this application.
- ☐ The contractor authorized by the owner to make this application.

That the information contained in this application and on the accompanying drawings is true to the best of his knowledge and belief. The undersigned hereby agrees to comply with all the requirements of the New York State Uniform Fire Prevention and Building Code, the Village of Irvington Building Code, Zoning Ordinance and all other laws pertaining to same, in the construction applied for, whether or not shown on plans or specify in this application.

Sworn to before me this 17 day of October of 2022



Notary Public / Commission of Deeds

SARAH PALERMO  
NOTARY PUBLIC, STATE OF NEW YORK  
QUALIFIED IN WESTCHESTER COUNTY  
No. 01PA6182438  
COMMISSION EXPIRES FEBRUARY 25, 2024

Applicant's Signature

### OWNER'S AUTHORIZATION

I Brett and Hannah Parker as the owner of the subject premises and have authorized the contractor named above to perform the work under the subject application.

Owner phone number 914-588-1056 Owner email address BRETT PARKER13@gmail.com

- ☒ I hereby acknowledge that it is my responsibility as the **property owner** to ensure that if the permit (if issued) receives a Final Certificate of Approval from the Building Department and further that if a Final Certificate of Approval is not obtained upon completion of the construction, a property violation may be placed on the property for which this permit is being requested.

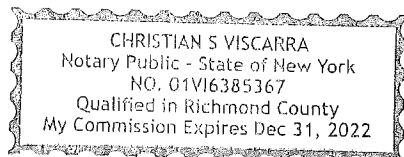
Sworn to before me this 10<sup>th</sup> day of October of 2022



Notary Public / Commission of Deeds



Applicant's Signature



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Meets IRC building code for egress  
Fiberglass full-screen is removable from the inside  
Frame dimensions 27 in x 45in



+

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15  
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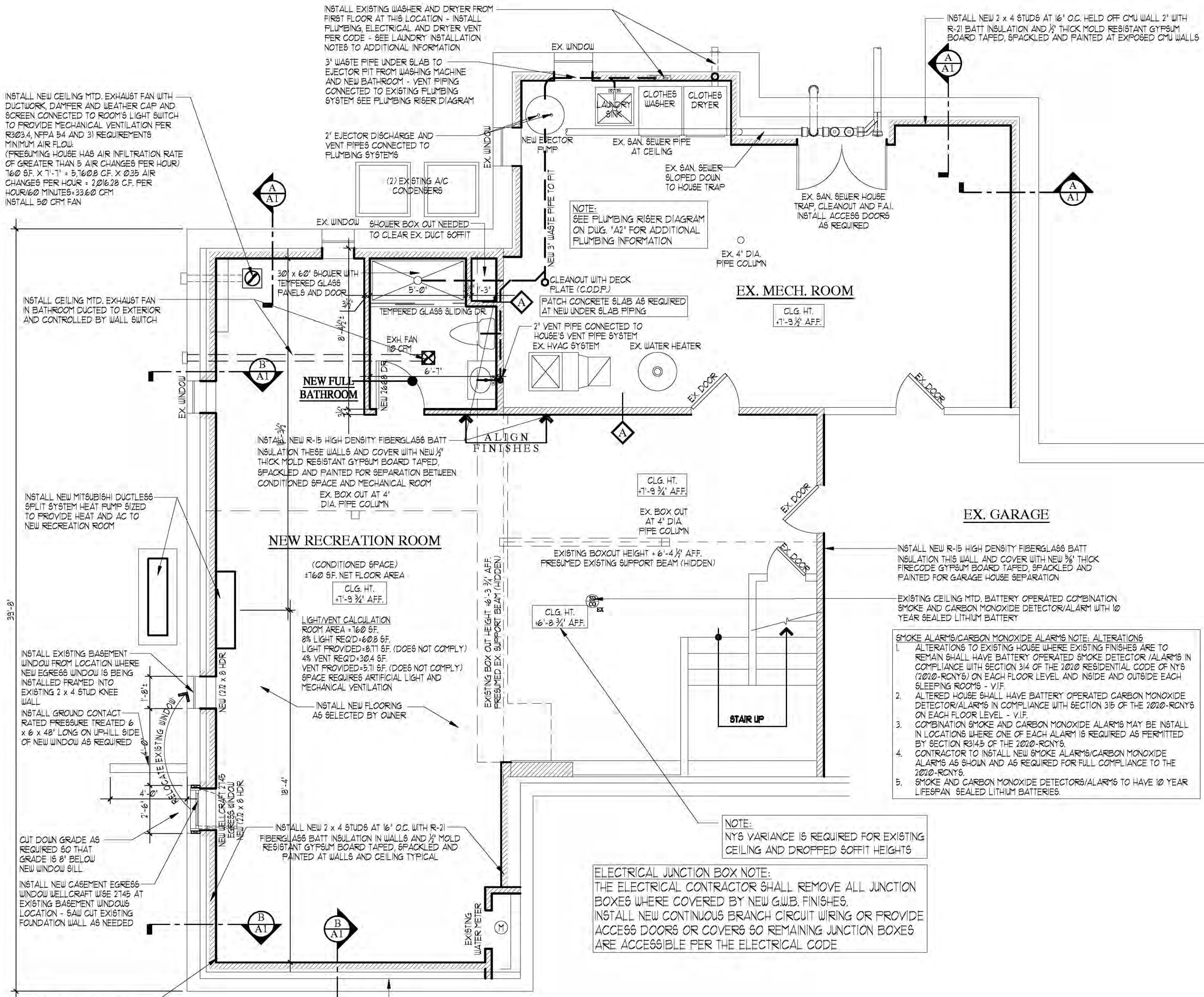










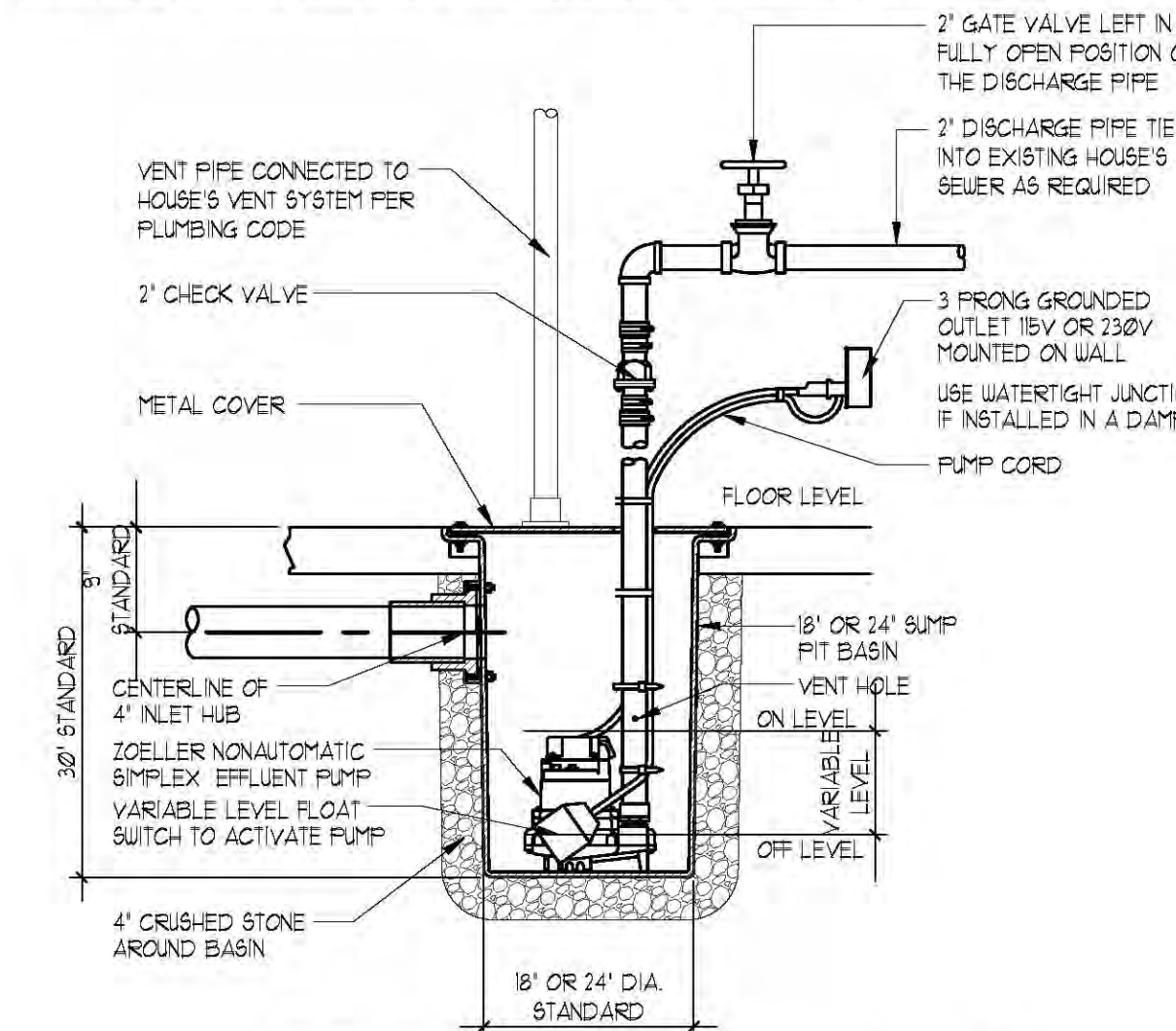


PARTIAL BASEMENT PLAN

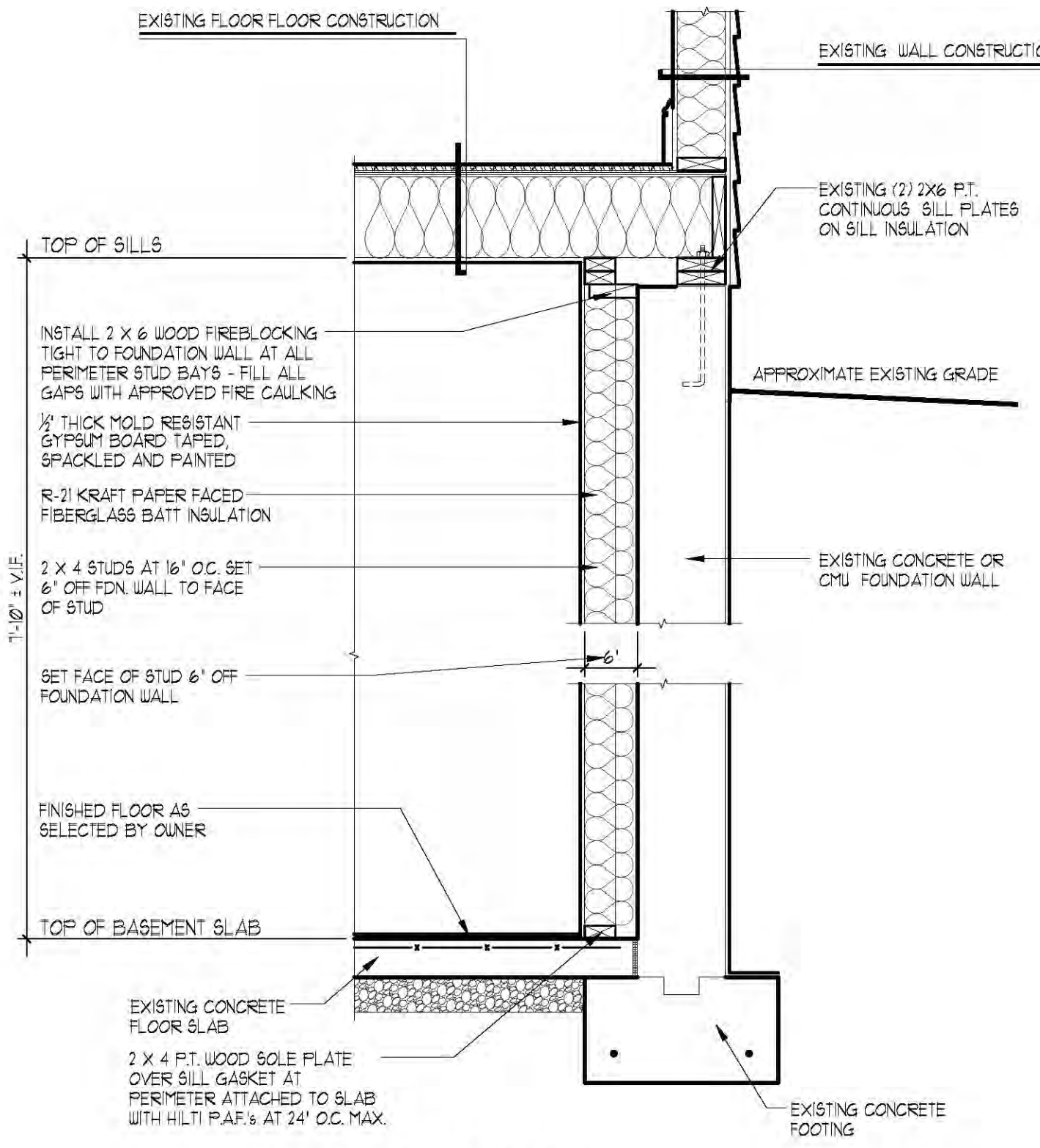
SCALE: 1/4" = 1'-0"

MECHANICAL VENTILATION REQUIRED:  
THE PROPOSED BASEMENT RECREATION ROOM WILL REQUIRE THE INSTALLATION OF A MECHANICAL VENTILATION SYSTEM CAPABLE OF PROVIDING 0.35 AIR CHANGES PER HOUR PER SECTION R303.1 HABITABLE ROOMS' EXCEPTION 1 OF THE RESIDENTIAL CODE OF NYS. MECHANICAL VENTILATION SYSTEM SHALL BE SIZED, DESIGNED AND INSTALLED BY MECHANICAL CONTRACTOR UNDER SEPARATE PERMIT. SEE CALCULATIONS ABOVE FOR SPECIFIC ROOM REQUIREMENTS.

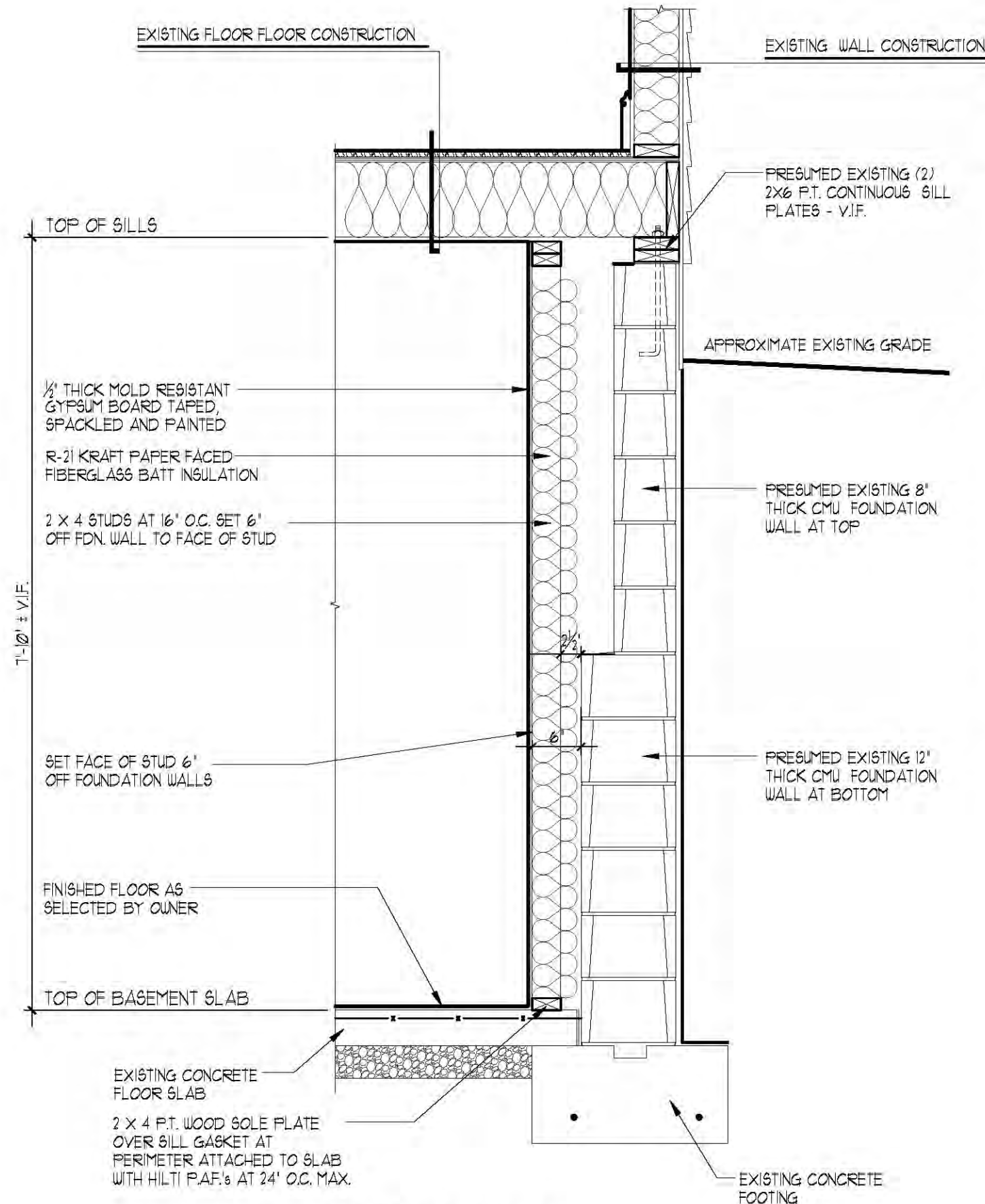
ARTIFICIAL LIGHT REQUIRED:  
THE PROPOSED RECREATION ROOM TO HAVE CEILING RECESSED ARTIFICIAL LIGHT FIXTURES COMPLYING WITH SECTION R303.2 (6 FOOT CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30" ABOVE THE FLOOR LEVEL) OF THE RESIDENTIAL CODE OF NYS REQUIREMENTS - SEE ABOVE FOR SPECIFIC LIGHTING PROVIDED.



DETAIL (SEWER EJECTOR PUMP AND PIT)  
SCALE: 3/4" = 1'-0"

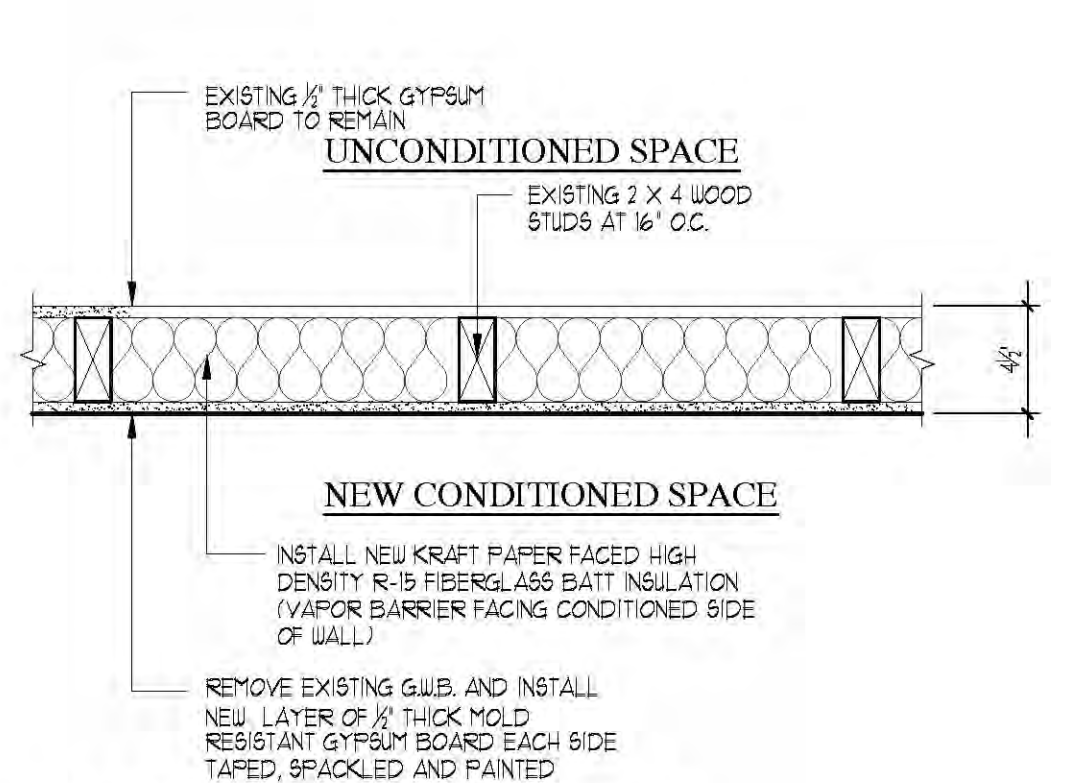


WALL SECTION  
SCALE: 3/4" = 1'-0"



WALL SECTION  
SCALE: 3/4" = 1'-0"

- CLOTHES WASHING MACHINE AND DRYER INSTALLATION:
- GENERAL:
1. ALL WORK IN CONNECTIONS WITH THE INSTALLATION OF THE CLOTHES WASHING MACHINE AND DRYER SHALL COMPLY WITH ALL PERTINENT SECTIONS OF THE 2020-NYCS, PONY'S-MC-NYS AND THE 2020-NYC.
- CLOTHES WASHING MACHINE NOTES:
1. CLOTHES WASHING MACHINE SHALL BE PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE AND INSTALL 1/2" HOT AND COLD WATER SUPPLY WITH BRASS SINGLE BALL SHUTTER VALVE AND 1/2" DIA. WALL STANDPIPE DRAIN WITH TRAP IN RECESSED WASHING MACHINE WALL OUTLET BOX.
  2. INSTALL 3/2" x 3/2" x 2" WASHING MACHINE DRAIN PAN CONNECTED TO FLOOR DRAIN (WHEN WASHING MACHINE IS INSTALLED ON FIRST OR SECOND FLOOR).
  3. INSTALL A DEDICATED 20V, 20AMP GFCI RECEPTACLE.
- CLOTHES DRYER NOTE:
1. GAS OR ELECTRIC CLOTHES DRYER SHALL BE PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE AND INSTALL DRYER EXHAUST COMPLYING WITH SECTION 1909 OF THE RESIDENTIAL CODE OF NYS. INSTALL MINIMUM OF 4" DIA. RIGID STEEL EXHAUST DUCTWORK FROM DRYER TO EXTERIOR WITH A RAIN LINT TRAP AND APPROVED DRYER VENT CAP WITH BACKDRAFT DAMPER AT WALL OR ROOF TERMINATION COMPLYING WITH SECTION 1909 OF THE 2020-NYCS - MAXIMUM LENGTH OF EXHAUST DUCT SHALL BE 35'-0" FROM DRYER LOCATION TO WALL OR ROOF TERMINATION - THE MAX LENGTH SHALL BE REDUCED BY 75 FEET FOR 45 DEGREE BENDS AND 5 FEET FOR 90 DEGREE BENDS - MAX LENGTH DOES NOT INCLUDE THE TRANSITION DUCT EXHAUST DUCT TERMINATION SHALL BE LOCATED NOT LESS THAN 3'-0" FROM ANY OPENING IN THE BUILDING PER SECTION 1909.2.
  2. INSTALL RECESSED METAL 'DRYERBOX' DESIGNED TO VENT UP OR DOWN AS SPECIFIC SITE CONDITION DICTATES.
  3. SEE 19.01 FOR DRYER LOCATION.
  4. IF OWNER SELECTS AN ALL ELECTRIC DRYER THAN INSTALL A DEDICATED 240V, 30AMP RECEPTACLE.
  5. IF OWNER SELECTS A GAS DRYER THAN CONTRACTOR SHALL INSTALL 1/2" GAS SUPPLY LINE AND DEDICATED 20V, 20 AMP RECEPTACLE PROVIDE FRESH AIR INTAKE INTO LAUNDRY ROOM/CLOSET PER CODE FOR COMBUSTION AIR.



PARTITION DETAIL  
(NON RATED - 2 X 4 STUDS)  
SCALE: 1 1/2" = 1'-0"  
(BEARING OR NON BEARING INSULATED PARTITION)

GENERAL NOTES:  
CONTRACTOR SHALL FIELD VERIFY EXISTING FLOOR AND ROOF FRAMING SIZES AND SPACING. SUBMIT ANY DISCREPANCIES PRIOR TO START OF WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO FRAMING.  
ALL NEW FINISHES TO BE SELECTED BY OWNER.  
INSTALL 1/2" A-C FL TYPED UNDER LAYERS COVER NEW SUB FLOORS IF OWNERS SELECT CARPETING IN NEW ADDITION.

SPECIFICATIONS NOTE:  
SEE GENERAL NOTES SHEETS 'XN1' AND 'XN2' FOR ADDITIONAL CONSTRUCTION INFORMATION - THE CONTRACTOR AND ALL SUB CONTRACTORS ARE TO READ ALL CONSTRUCTION NOTES AND BE FAMILIAR WITH WORK OF OTHER TRADES.

DIMENSION NOTE:  
ALL DIMENSIONS INDICATED WITHIN EXISTING DWELLING ARE EITHER FINISH TO FINISH DIMENSIONS OR FINISH TO ROUGH FRAMING DIMENSIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FINISH TO FINISH DIMENSIONS IN THE FIELD FOR PURPOSES OF FINISHED CABINETRY WORK, APPLIANCE CLEARANCE REQUIREMENTS AND INTERIOR MILLWORK.

ENTRY AND/OR EXTERIOR DOOR SPECIFICATIONS:  
NEW FRONT ENTRY AND/OR OTHER EXTERIOR DOOR WHERE SHOWN ON THESE PLANS ARE FOR BASE GUIDE ONLY. FRONT ENTRY DOOR SHALL BE MINIMUM OF 3'-0" WIDE OF A STYLE AND MANUFACTURER AS SELECTED BY OWNER. SIDELIGHTS AND/OR TRANSOMS MAY BE PART OF ENTRY DOOR SYSTEM. DOOR SHALL BE INSULATED AND FULLY WEATHERSTRIPPED. LOCKSET HARDWARE TO BE SELECTED BY THE OWNER - THE CONTRACTOR SHALL COORDINATE WITH OWNER ACTUAL DOOR SELECTION FOR REQUIRED ROUGH OPENING DIMENSIONS.

INTERIOR DOOR SPECIFICATIONS:  
BASE SPECIFICATION FOR NEW INTERIOR DOORS SHALL BE 1 3/8" THICK X 6'-8" HIGH 6 PANEL MASONITE DOORS PRE-HUNG IN PAINT GRADE JAMBES IN SIZES NOTED ON PLANS OR DOOR SCHEDULE. AT OWNERS OPTION NEW DOORS MAY MATCH EXISTING DOORS OR BE UPGRADED AS SELECTED BY OWNER. REVIEW DOOR SELECTION WITH OWNER PRIOR TO ORDERING DOORS. DOORS AT GARAGES AND MECHANICAL ROOMS SHALL BE 1 3/4" THICK 3/4 HOUR FIRE RATED LABELED DOORS WITH SELF CLOSING SPRING HINGES.

- WINDOW / GLAZED DOOR SPECIFICATION:
1. ALL NEW WINDOWS ARE TO BE 'ANDERSEN' SERIES 400 UNDOUS WITH CLAD EXTERIOR OF TYPES AND SIZES AS CALLED FOR ON PLANS.
  2. ALL NEW GLAZED DOORS ARE TO BE 'ANDERSEN' SERIES 400 FRENCHWOOD GLIDING DOORS AND/OR FRENCHWOOD HINGED PATIO DOORS WITH CLAD EXTERIOR OF TYPES AND SIZES AS CALLED FOR ON PLANS.
  3. WINDOW MANUFACTURER SUBSTITUTIONS: IF CONTRACTOR WANTS TO SUBSTITUTE A DIFFERENT WINDOW AND GLASS DOOR MANUFACTURER THAN ONE SPECIFIED, CONTRACTOR SHALL SUBMIT TO ARCHITECT WINDOW SPECIFICATIONS AND SIZES SHOWING COMPLIANCE TO BUILDING CODE AND EGRESS WINDOW REQUIREMENTS FOR APPROVAL.
  4. ALL GLAZING TO BE DOUBLE PANE HIGH PERFORMANCE LOW E GLASS WITH ARGON.
  5. GLAZING IN GLIDING AND PATIO DOORS, SIDELIGHTS AND ALL UNDOUS WHERE GLAZING IS WITHIN 18" OF FINISHED FLOORS ARE TO HAVE TEMPERED SAFETY GLASS.
  6. MINIMUM DP RATING FOR UNDOUS AND GLAZED DOORS AREA AS FOLLOWS:
    - CASEMENTS: DP-40
    - HUNG: DP-30
    - TILT WASH DOUBLE HUNG: DP-30
    - GLIDING UNDOUS: DP-30
    - FRENCHWOOD GLIDING DOORS: DP25-40
    - FRENCHWOOD HINGED PATIO DOORS: DP40-60

- MINIMUM EMERGENCY EGRESS WINDOW SIZES ARE AS FOLLOWS:
- DOUBLE HUNG: 110x46 - 5'10" SF OPENING, 33 1/8" WIDTH, 24 1/4" HEIGHT IN FULL OPEN POSITION
  - CASEMENT: 103x35 - 5'10" SF OPENING, 25 1/2" WIDTH, 36 3/4" HEIGHT IN FULL OPEN POSITION WITH STRAIGHT ARM
  - GLIDING WINDOW: 644 - 6'0" SF OPENING, 20 1/2" WIDTH, 40 1/2" HEIGHT IN FULL OPEN POSITION
- SEE PLANS FOR ACTUAL EGRESS WINDOW SIZES SPECIFIED.
1. THE CONTRACTOR SHALL COORDINATE WITH OWNER ALL FINISHES AND COLOR OPTIONS OF UNDOUS, HARDWARE AND SCREENS PRIOR TO PLACING WINDOW ORDER.
  2. THE CONTRACTOR SHALL VERIFY ALL REQUIRED ROUGH OPENING SIZES FOR SINGLE UNITS AND MULLED UNITS INDICATED.

STRUCTURAL NOTE:  
NEW STRUCTURAL INFORMATION MAY BE SHOWN ON ARCHITECTURAL PLANS OR ON SEPARATE STRUCTURAL PLANS - CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL PLANS AND SEPARATE STRUCTURAL PLANS (IF PROVIDED) AS REQUIRED.

BOUND ATTENUATION BLANKET NOTE:  
CONTRACTOR IS TO INSTALL 3" SOUND ATTENUATION BATT INSULATION IN UN WALLS AND CEILING OF NEW LAUNDRY ROOM. ALL NEW BATHROOMS, ALL NEW BEDROOMS AND AS NOTED ON THE DRAWINGS.

CLOSET NOTES:  
CONTRACTOR TO PROVIDE AND INSTALL ONE CLOTHES ROD AND 12" DEEP WOOD SHELF MIN 14" x 41" MIN IN ALL NEW CLOSETS EXCEPT LINEN CLOSETS AND MASTER BEDROOM CLOSETS.  
PROVIDE AND INSTALL (4) 12" DEEP WOOD SHELVES ON ADJUSTABLE STANDARDS IN NEW LINEN CLOSETS.  
NEW MASTER BEDROOM CLOSET TO HAVE CUSTOM SHELVE/STORAGE SYSTEMS INSTALLED (TO BE SELECTED BY OWNER).

RESIDENTIAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING WALL OR PARTITION TO REMAIN
	EXISTING WALL OR PARTITION TO BE REMOVED
	NEW 2 X 4 OR 2 X 6 WOOD STUD PARTITION SEE PLANS FOR THICKNESS
	NEW 2 X 4 OR 2 X 6 STUD ONE HOUR FIRE RATED PARTITION
	NEW 2 X 4 OR 2 X 6 STUD BEARING WALL
	RECESSED CEILING MTD EXHAUST FAN DUCTED TO EXTERIOR - CONTROLLED BY WALL SWITCH - SEE PLAN FOR OH REQUIREMENTS
	SMOKE DETECTOR/ALARM - INTERCONNECTED AND HARD WIRED WITH AUXILIARY BATTERY BACKUP UNLESS EXCEPT - SEE NOTE BELOW
	CARBON MONOXIDE DETECTOR/ALARM - INTERCONNECTED AND HARD WIRED WITH AUXILIARY BATTERY BACKUP UNLESS EXCEPT APPLIES - SEE NOTE BELOW
	COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR/ALARM - INTERCONNECTED AND HARD WIRED WITH AUXILIARY BATTERY BACKUP UNLESS EXCEPT APPLIES - SEE NOTE BELOW
	HEAT DETECTOR/ALARM - INTERCONNECTED AND HARDWIRED WITH AUXILIARY BATTERY BACKUP UNLESS EXCEPT APPLIES - SEE NOTE BELOW

FROM SECTION R303.1 - EXCEPTION - INTERCONNECTION IS NOT REQUIRED WHERE SMOKE DETECTOR/ALARM AND CARBON MONOXIDE DETECTOR/ALARM ARE PERMITTED TO BE BATTERY OPERATED PER SECTION R303.1 WHEN INSTALLING IN BUILDINGS WITHOUT PERCENT POWER OR IN BUILDINGS THAT ARE NOT REPAIR ALTERATION CHANGE OF OCCUPANCY, ADDITION OR RELOCATION IN ACCORDANCE WITH APPROVAL.

NO.	DATE	DESCRIPTION	REV	BY
1	11-03-22	ADDED ELEVATION TO SHEET 'A2' TO OBTAIN FINISH TO ROUGH FRAMING DIMENSIONS	A	CP
2	09-22-23	ADDED BASEMENT ALTERATION INFORMATION TO PROJECT	A	CP
3	08-09-22	REVISED NEW FIREPLACE INSERT FROM GAS TO WOOD BURNING PER OWNER'S REQUEST	A	CP

NO.	DATE	DESCRIPTION	REV	BY
1	09-22-23	ADDED ELEVATION TO OBTAIN A BUILDING PERMIT	A	CP

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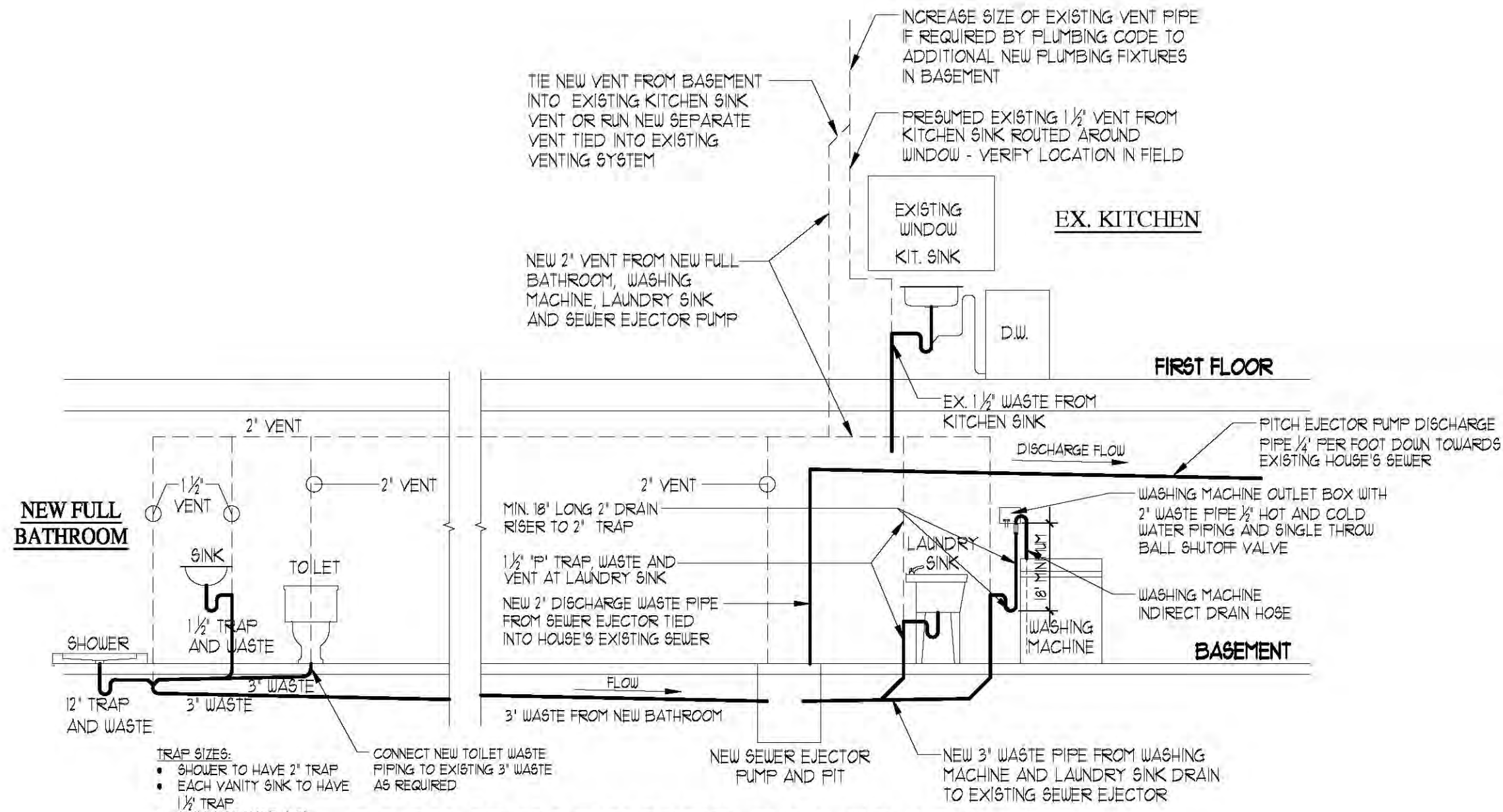
PROJECT NAME:  
**PROPOSED BASEMENT ALTERATION AND NEW WOOD BURNING FIREPLACE INSERT FOR THE PARKER RESIDENCE**  
57 BUTTERWOOD LANE WEST IRVINGTOWN, NEW YORK

DWG TITLE:  
**PARTIAL BASEMENT PLAN, DETAILS AND NOTES**

**David A. Barbuti Architect, PC**  
150 White Plains Road  
Suite 103  
Tarrytown, NY 10591  
Tel : 914-909-5143  
Fax : 914-909-5144

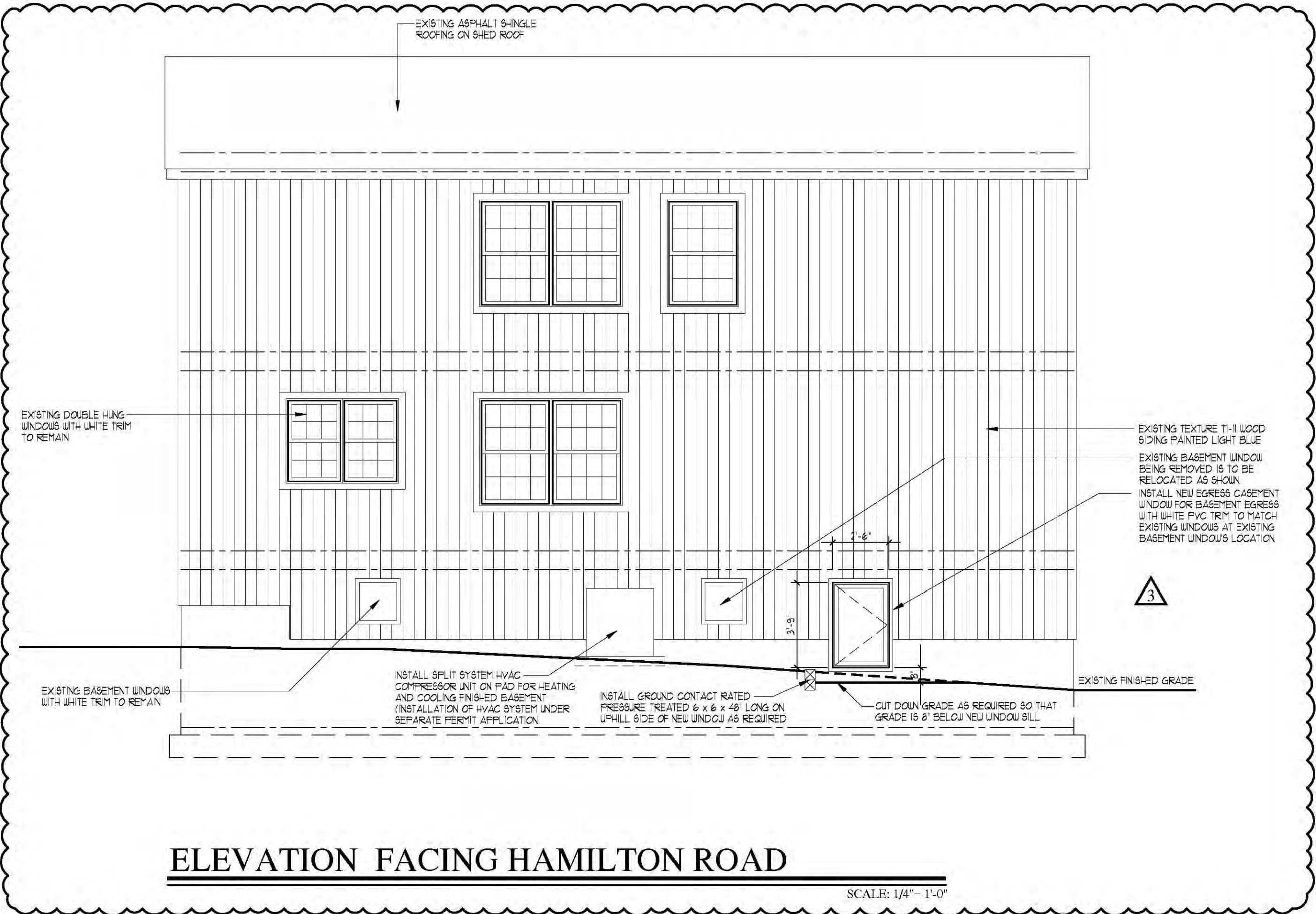
DRAWN BY: C.R.P.  
CHECKED BY:  
SCALE:  
AS NOTED  
PROJECT NO: 220602  
START DATE: 06-24-2022





PLUMBING RISER DIAGRAM

- PLUMBING NOTES:
1. ALL PLUMBING WORK TO COMPLY WITH THE 2020 PLUMBING CODE OF NYS (2020-PCNTS).
  2. PLUMBING RISER DIAGRAM IS SCHEMATIC IN DESIGN - PLUMBING CONTRACTOR TO COORDINATE STACK LOCATIONS AND PIPING RUNS PER FLOOR PLAN LAYOUT.
  3. CONNECT VERTICAL DRAIN PIPES TO HORIZONTAL WASTE PIPES WITH 'WYE' FITTING PLUS 45 DEGREE FITTING, LONG SWEEP 90 DEGREE FITTINGS OR (2) 45 DEGREE FITTINGS EXCEPT AT TOILETS OR WHERE SHORT SWEEP FITTINGS ARE PERMITTED BY THE CODE.
  4. HORIZONTAL WASTE LINE PIPING TO FITCH 1/4" PER FOOT.
  5. ALL FIXTURES TO BE PROPERLY VENTED. HORIZONTAL VENT PIPES SHALL BE INSTALLED 6" ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST FIXTURE OR 42" MINIMUM ABOVE FLOOR.
  6. INSTALL CLEANOUTS AT END OF WASTE RUNS AND AT CHANGES IN PIPING DIRECTION PER PLUMBING CODE.



ELEVATION FACING HAMILTON ROAD

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

SHEET No.

A2

REVISIONS

DWGS ISSUED

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PROJECT NAME: PROPOSED BASEMENT ALTERATION AND NEW WOOD BURNING FIREPLACE INSERT FOR THE PARKER RESIDENCE 57 BUTTERWOOD LANE WEST IRVINGTON, NEW YORK

DWG. TITLE: BASEMENT DETAILS, HAMILTON ROAD ELEVATION AND NOTES

David A. Barbuti Architect,PC

150 White Plains Road Suite 103 Tarrytown, NY 10591 Tel : 914-909-5143 Fax : 914-909-5144

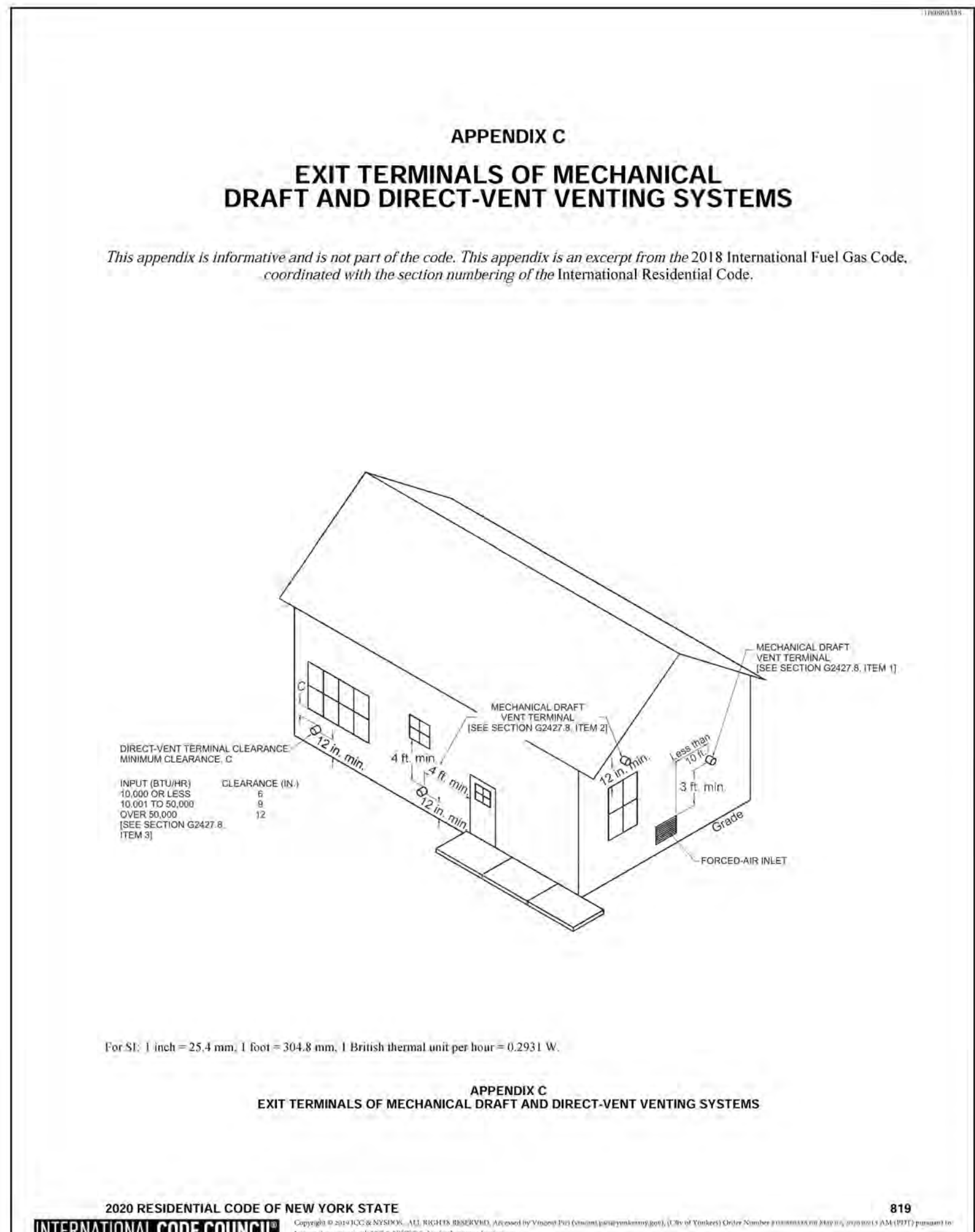
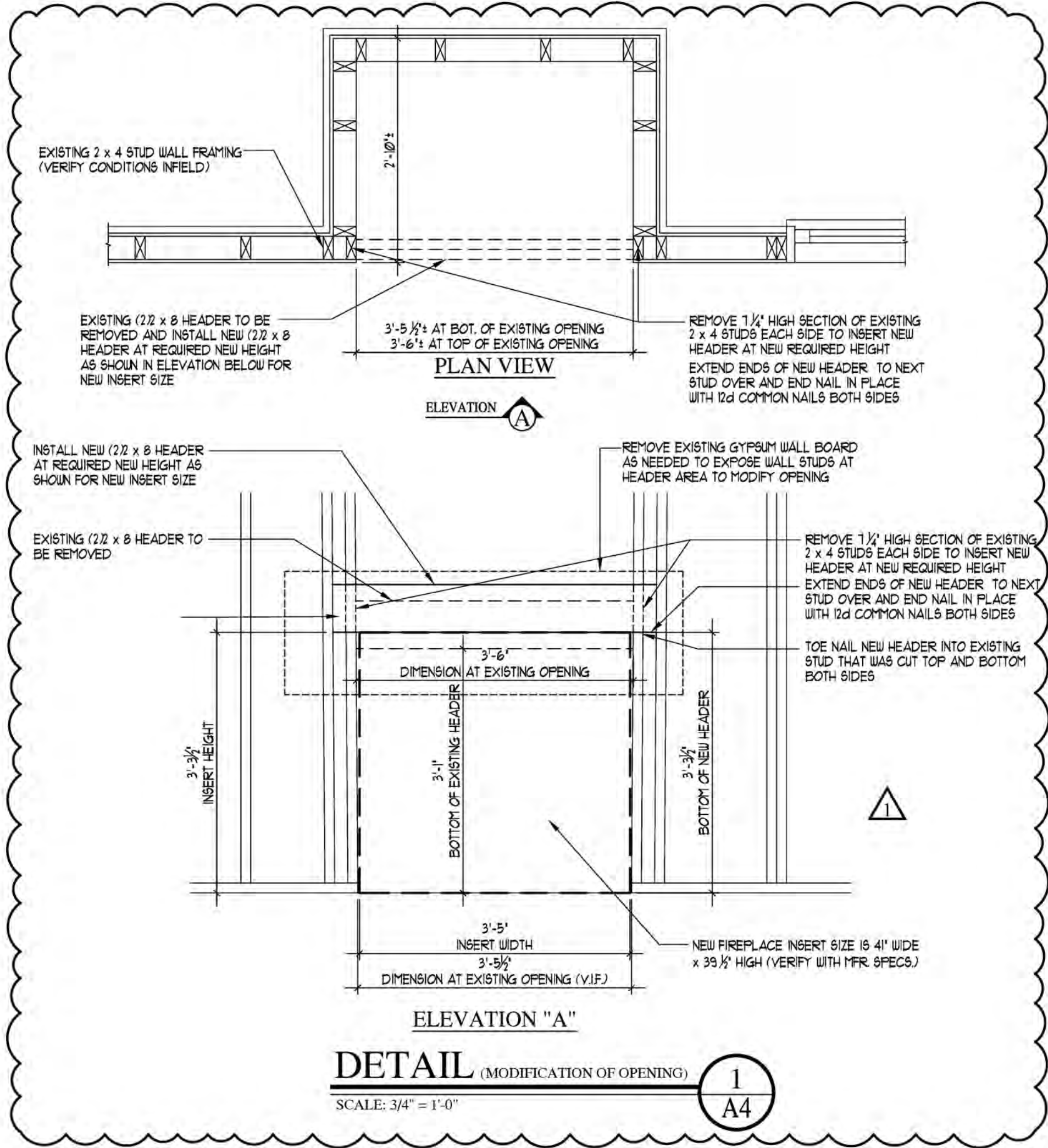
Architect's Seal

DRAWN BY: C.R.P. CHECKED BY: SCALE: AS NOTED PROJECT NO: 220602 START DATE: 06-24-2022



<p><b>PROJECT NAME:</b>  <b>PROPOSED BASEMENT ALTERATION          AND NEW WOOD BURNING          FIREPLACE INSERT FOR:          THE PARKER RESIDENCE</b>          57 BUTTERWOOD LANE WEST          IRVINGTON, NEW YORK</p>	<p><b>DWG. TITLE:</b>  <b>PARTIAL FLOOR PLAN, FIREPLACE          ELEVATION AND FIREPLACE CUT SHEETS</b></p>
<p><b>David A. Barbuti</b>  <b>Architect, PC</b></p> <p>150 White Plains Road          Suite 103          Tarrytown, NY 10591          Tel : 914-909-5143          Fax : 914-909-5144</p>	
<p><b>DRAWINGS AND SPECIFICATIONS</b>          AS INSTRUMENTS OF          PROFESSIONAL SERVICE ARE AND          SHALL REMAIN THE PROPERTY OF          DAVID A. BARBUTI, ARCHITECT, PC.          ANY REPRODUCTION OR USE, IN          WHOLE OR IN PART, WITHOUT THE          WRITTEN CONSENT OF          DAVID A. BARBUTI, ARCHITECT, PC          IS PROHIBITED.</p>	<p>THIS DOCUMENT IS INTENDED          SOLELY FOR THE CONSTRUCTION          OF THE PROJECT NAMED HEREIN          AND SHALL NOT BE USED BY ANY          OTHER PARTIES FOR ANY OTHER          CONSTRUCTION WITHOUT THE          WRITTEN CONSENT OF DAVID A.          BARBUTI, ARCHITECT, PC.</p>





## Installation Manual

### Installation and Fireplace Setup

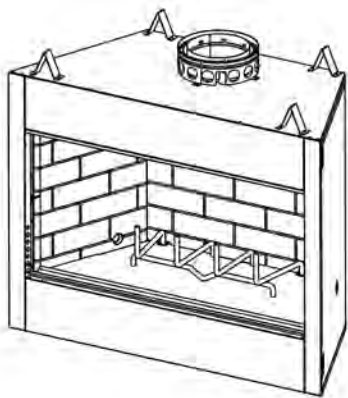
**INSTALLER:** Leave this manual with party responsible for use and operation.  
**OWNER:** Retain this manual for future reference.

This fireplace uses SL300 Series Chimney  
**2" CLEARANCE TO COMBUSTIBLES AND BUILDING INSULATION FROM CHIMNEY REQUIRED.**

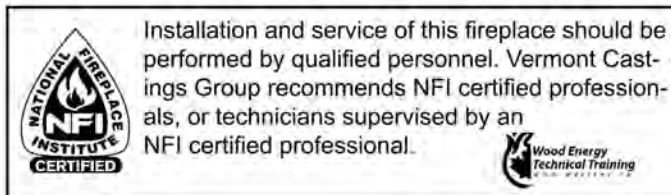
**NOTICE: DO NOT** discard this manual!

**VERMONT CASTINGS GROUP**

**Model(s):**  
**BE36**  
**BE42**



**WOODBURNING FIREPLACE**



**WARNING:** If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or death.

- **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **DO NOT** overfire. Overfiring will void your warranty.
- Comply with all minimum clearances to combustibles as specified. Failure to comply may cause house fire.

#### WARNING

**HOT SURFACES!**  
Glass and other surfaces are hot during operation AND cool down.  
**Hot glass will cause burns.**  
• **DO NOT** touch glass until it is cooled  
• NEVER allow children to touch glass  
• Keep children away

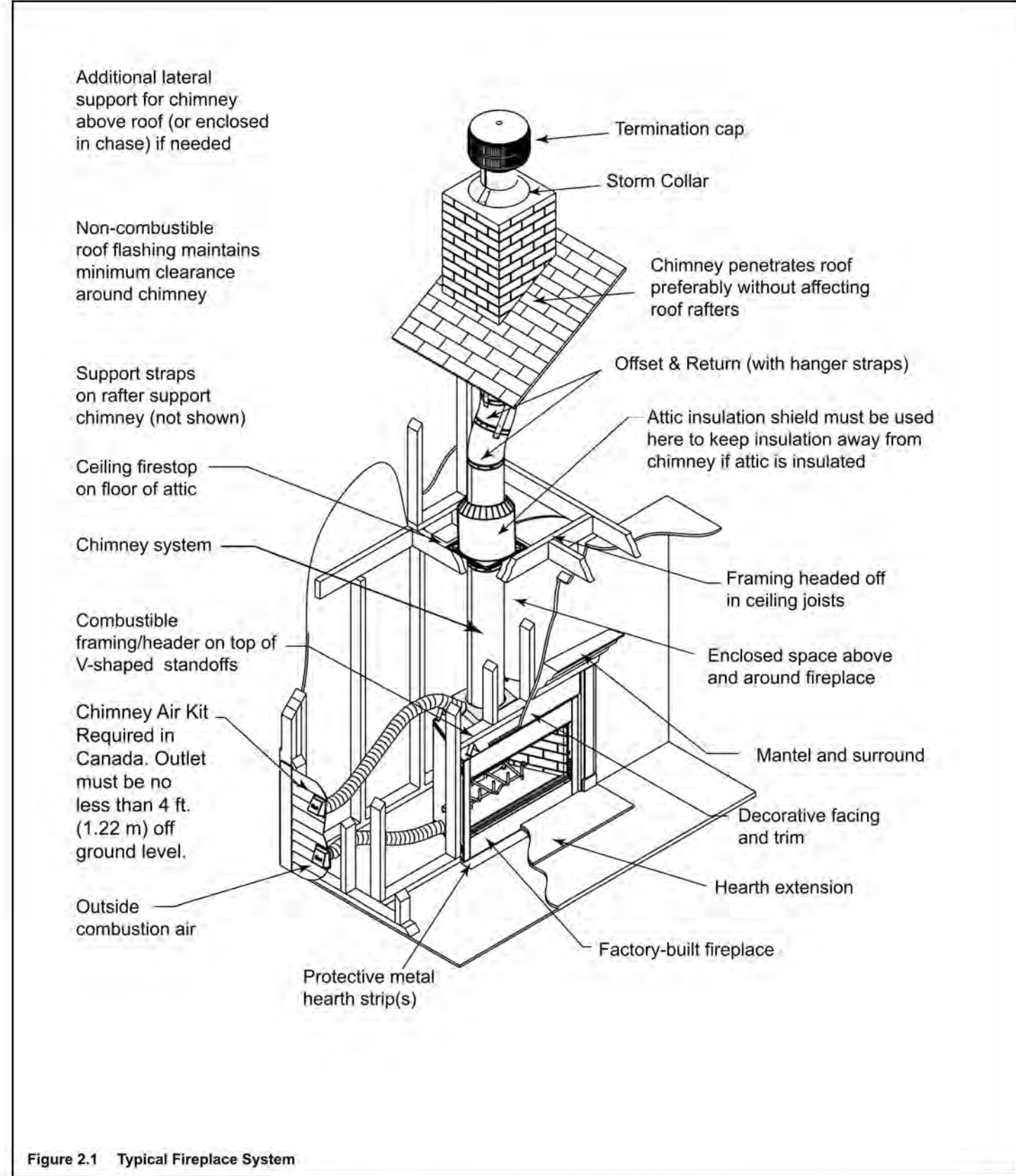
- CAREFULLY SUPERVISE children in same room as fireplace.
- Alert children and adults to hazards of high temperatures.
- **High temperatures may ignite clothing or other flammable materials.**
- Keep clothing, furniture, draperies and other flammable materials away.

#### WARNING

**Fire Risk.**  
For use with solid wood fuel only.  
Other fuels may overfire and generate poisonous gases (i.e. carbon monoxide).

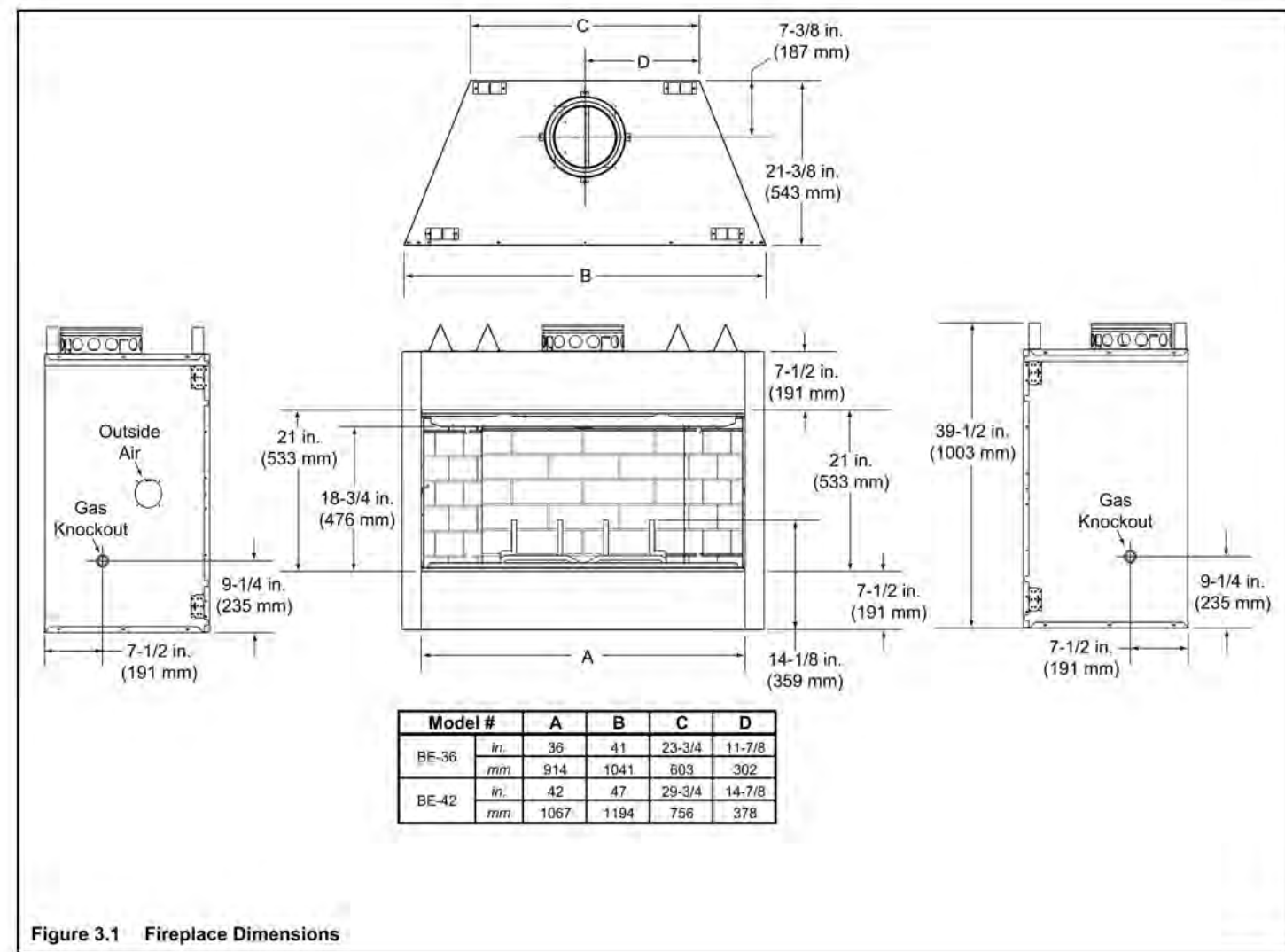
## 2 Getting Started

### A. Typical Fireplace System



## 3 Framing and Clearances

### A. Fireplace Dimensions









SHEET No.		A4	
PROJECT NAME: PROPOSED BASEMENT ALTERATION AND NEW WOOD BURNING FIREPLACE INSERT FOR: THE PARKER RESIDENCE 57 BUTTERWOOD LANE WEST IRVINGTON, NEW YORK		DRAWN BY: C.R.P. CHECKED BY: SCALE: AS NOTED PROJECT NO.: 220602 START DATE: 06-24-2022	
DWG. TITLE: FIREPLACE FRAMING PLAN AND ELEVATION AND FIREPLACE CUT SHEETS		REVISIONS	
REV		DATE	DESCRIPTION
1		09-22-22	REVISIONS
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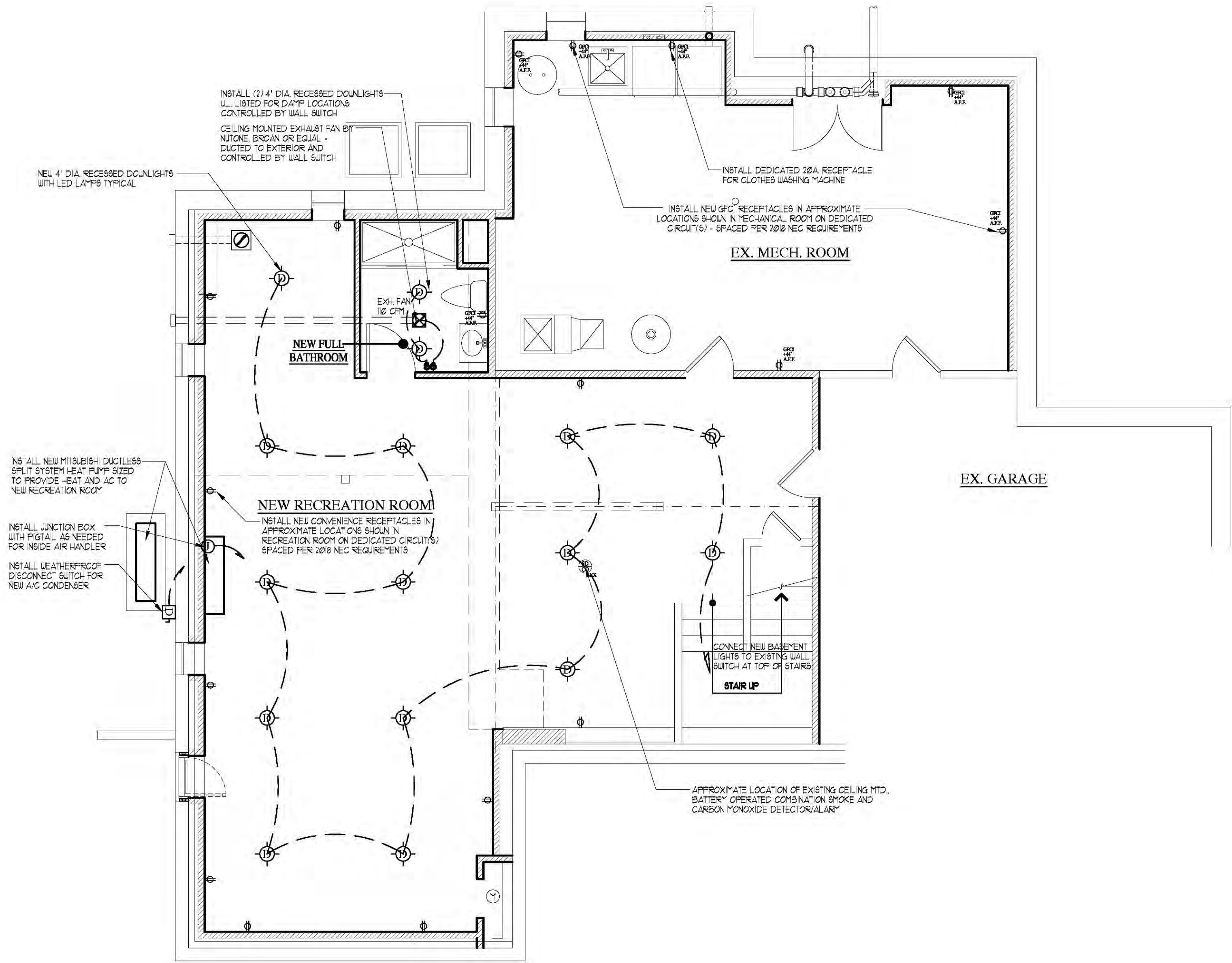


AND CLEAN BUILDING AS REQUIRED AT THE END OF  
DEMOLITION PHASE.

	DRAWN BY:	C.R.P.
	CHECKED BY:	
	SCALE:	
	AS NOTED	
	PROJECT NO:	220602
	START DATE:	06-24-2022

DEMOLITION LEGEND	
	EXISTING PARTITIONS TO REMAIN
	EXISTING PARTITIONS TO BE REMOVED REMOVE ALL ELECTRICAL, OUTLETS, SWITCHES, WIRING, PLUMBING, HVAC DUCTS, ETC. AND MAKE SAFE IN WALLS BEING REMOVED
	EXISTING DOOR, DOOR FRAME AND CASING TO BE REMOVED
 	EXISTING PLUMBING FIXTURES TO BE REMOVED CAP EXISTING PIPING AS REQUIRED





PARTIAL BASEMENT ELECTRICAL PLAN

ELECTRICAL JUNCTION BOX NOTE:  
THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL JUNCTION BOXES WHERE COVERED BY NEW G.W.B. FINISHES.  
INSTALL NEW CONTINUOUS BRANCH CIRCUIT WIRING OR PROVIDE ACCESS DOORS OR COVERS SO REMAINING JUNCTION BOXES ARE ACCESSIBLE PER THE ELECTRICAL CODE

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

ELECTRICAL LEGEND

SYMBOL	FIXTURE TYPE
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE (ONE PLUG ACTIVATED BY LIGHT SWITCH)
	DUPLEX GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE MTD. + 44' AFF. (U.O.N.)
	DUPLEX RECEPTACLE ON DEDICATED 15 AMP. BRANCH CIRCUIT
	DUPLEX RECEPTACLE FOR APPLIANCE (VOLTAGE AND MOUNTING HGT. PER MANUF. SPECS)
	GFCI DUPLEX RECEPTACLE IN WATERPROOF BOX
	CEILING MOUNTED DUPLEX RECEPTACLE FOR OH. GARAGE DOOR OPENER
	QUAD RECEPTACLE
	220V. RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED LIGHT SWITCH
	THREE WAY WALL MOUNTED LIGHT SWITCH
	WALL MOUNTED LIGHT SWITCH WITH DIMMER
	RECESSED DOWNLIGHT RATED FOR INSULATION CONTACT - 4" OR 6" DIAMETER AS CALLED FOR ON DRAWINGS
	RECESSED WALL WASHER
	RECESSED DOWNLIGHT RATED FOR INSULATION CONTACT AND WET LOCATIONS - 4" OR 6" DIAM. AS CALLED FOR ON DRAWINGS
	PENDANT LIGHT FIXTURE
	CEILING MOUNTED LIGHT FIXTURE
	WALL MOUNTED SCONCE LIGHT FIXTURE
	4'-0" LONG, 120V., 2 BULB FLUORESCENT STRIP LIGHT WITH COVER
	LINEAR INCANDESCENT UNDER CABINET OR SHELF AS INDICATED
	LINEAR INCANDESCENT COVE LIGHTING (BEHIND MOLDING)
	ELECTRIC PANEL
	7 DAY/NIGHT SETBACK THERMOSTAT - (F.B.O.)
	A/C FAN COIL UNIT (F.B.O.)
	A/C CONDENSER UNIT (F.B.O.)
	LOW VOLTAGE DOOR CHIME BUTTON
	LOW VOLTAGE DOOR CHIMES
	CLG. MTD. MECHANICAL EXHAUST FAN VENTED TO OUTSIDE - CAPACITY AS PER CODE
	COMBINATION MECHANICAL EXHAUST FAN/LIGHT VENTED TO OUTSIDE - CAPACITY AS PER CODE
	FLOODLIGHT HOUSING (HEADS AS PER INDICATION)
	CEILING MOUNTED FAN - E.G. TO INSTALL FAN RATED JUNCTION BOX & PIGTAIL
	DISCONNECT SWITCH - RATED FOR SPECIFIC EQUIPMENT
	SMOKE DETECTOR/ALARM
	HEAT DETECTOR/ALARM
	CARBON MONOXIDE DETECTOR/ALARM
	TELEPHONE JACK
	CABLE T.V. OUTLET
U.O.N.	UNLESS OTHERWISE NOTED
AFF.	ABOVE FINISHED FLOOR
F.B.O.	FURNISHED BY OTHERS

- ELECTRICAL NOTES:
- ALL LIGHT FIXTURES ARE TO BE SELECTED AND PURCHASED SEPARATELY BY OWNERS, AND INSTALLED BY ELECTRICAL CONTRACTOR.
  - THIS DRAWING IS SCHEMATIC ONLY FOR LOCATIONS OF BASIC LIGHTING, OUTLET, EXHAUST FAN AND SMOKE/CO DETECTORS. ELECTRICAL CONTRACTOR TO REVIEW WITH OWNER FINAL NUMBER AND LOCATIONS OF ALL ELECTRICAL FIXTURES PRIOR TO SUBMITTING BID.
  - ELECTRICAL CONTRACTOR TO COORDINATE WITH HVAC CONTRACTOR FOR WIRING REQUIREMENT OF ALL NEW HVAC EQUIPMENT TOP BE INSTALLED.
  - SEE GENERAL NOTES SHEET FOR ADDITIONAL ELECTRICAL REQUIREMENTS.

SHEET No.

E1

NO.	DATE	DESCRIPTION
REV	BY	DESCRIPTION

REVISIONS

NO.	DATE	DESCRIPTION
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DWGS ISSUED

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THIS DOCUMENT IS INTENDED FOR THE PROJECT NAMED HEREIN AND SHALL NOT BE USED BY ANY OTHER PARTIES FOR ANY OTHER CONSTRUCTION WITHOUT THE WRITTEN CONSENT OF DAVID A. BARBUTI, ARCHITECT, P.C.

PROJECT NAME:  
PROPOSED BASEMENT ALTERATION AND NEW WOOD BURNING FIREPLACE INSERT FOR:  
THE PARKER RESIDENCE  
57 BUTTERWOOD LANE WEST  
IRVINGTON, NEW YORK

DWG. TITLE:  
PARTIAL BASEMENT ELECTRICAL PLAN, LEGEND AND NOTES

David A. Barbuti  
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Architect's Seal

DRAWN BY:	C.R.P.
CHECKED BY:	
SCALE:	AS NOTED
PROJECT NO.:	220602
START DATE:	06-24-2022



## DIVISION 1 : GENERAL DATA

- ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE 2020 NEW YORK STATE CODES INCLUDING 2020 RESIDENTIAL CODE OF NYS (HEREIN REFERRED TO AS THE 2020-RCONYS), 2020 PLUMBING CODE OF NYS (2020-PCNYS), 2020 MECHANICAL CODE OF NYS (2020-MCONYS), 2020 FUEL GAS CODE OF NYS (2020-FGCNYS), 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS (2020-ECCNYS) AND ALL LOCAL CODES, ORDINANCES AND REGULATIONS OF AGENCIES HAVING JURISDICTION. ALL CONTRACTORS AND SUB CONTRACTORS ARE TO COMPLY WITH ALL OSHA REQUIREMENTS PERTAINING TO THEIR WORK.
- THE GENERAL CONTRACTOR (GC) AND ALL SUBCONTRACTORS ARE TO PROVIDE ALL LABOR MATERIALS, TOOLS, EQUIPMENT, SCAFFOLDING, SUPPLIES, LAYOUT AND SERVICES NECESSARY TO EXECUTE AND COMPLETE ALL WORK AS REQUIRED BY THE CONSTRUCTION DOCUMENTS, UNLESS OTHERWISE NOTED. PREPARATION AND INSTALLATIONS TO BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S LATEST WRITTEN INSTRUCTIONS WHETHER OR NOT SPECIFICALLY NOTED ON DRAWINGS.
- THE GC, AND ALL SUBCONTRACTORS ARE TO FAMILIARIZE THEMSELVES WITH ALL APPLICABLE CODES AND REGULATIONS IN REGARDS TO THEIR WORK FOR THEY WILL BE RESPONSIBLE FOR SAME.
- THE GC IS TO FILE WORKER'S COMPENSATION WITH THE BUILDING DEPARTMENT.

- THE GC IS TO OBTAIN AND PAY FOR THE BUILDING PERMIT. THE SUBCONTRACTORS ARE TO OBTAIN AND PAY FOR PERMIT REQUIRED IN CONNECTION WITH THEIR WORK.
- THE GC AND ALL SUB CONTRACTORS ARE TO ARRANGE FOR AND PAY ALL FEES IN CONNECTION WITH ALL REQUIRED INSPECTIONS.
- PLANS ARE SUBJECT TO CHANGES AS DIRECTED BY THE BUILDING DEPARTMENT.
- THE GC, AND ALL SUBCONTRACTORS ARE TO REVIEW THE CONSTRUCTION DOCUMENTS, SPECIFICATIONS, NOTES AND ADDENDUM THOROUGHLY TO DETERMINE THE EXTENT OF WORK UNDER THEIR TRADE AND THE WORK OF OTHER TRADES REQUIRING COORDINATION FOR THEY WILL BE RESPONSIBLE FOR SAME. THE ARCHITECT WILL CLARIFY ANY DISCREPANCIES OR CONTRACTOR QUESTIONS IN WRITING PRIOR TO BID SUBMISSION.
- DO NOT SCALE DRAWINGS, USE COMPUTED DIMENSIONS ONLY. IF A DISCREPANCY IS DISCOVERED, CONTACT THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.
- ALL DIMENSIONS AND LOCATIONS AS INDICATED ON THE DRAWINGS ARE TO BE CONSIDERED AS REASONABLY CORRECT, BUT IT IS UNDERSTOOD THAT THEY ARE SUBJECT TO MODIFICATIONS AS MAY BE NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION TO MEET ANY UNFORESEEN OR OTHER CONDITIONS.

THE GC, AND ALL SUBCONTRACTORS IS TO INVESTIGATE THE JOB SITE AND ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS AND START OF CONSTRUCTION. ALL EXISTING CONDITIONS AND DIMENSIONS TO BE FIELD VERIFIED. DISCREPANCIES AND UNCOVERED CONDITIONS NOT ADDRESSED SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ARCHITECT.

ALL WORK IS TO BE PERFORMED IN A NEAT, PROFESSIONAL MANNER BY SKILLED MECHANICS.

THE GC, AND ALL SUBCONTRACTORS ARE TO BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK. COORDINATION WITH OTHER TRADES METHODS, SAFETY AND SECURITY ON THE SITE AT ALL TIMES. SPECIAL ATTENTION TO SAFETY IS TO BE PROVIDED DURING ALL REQUIRED DEMOLITION WORK. THE ARCHITECT AND THE ARCHITECT'S AGENTS ARE NOT RESPONSIBLE OR LIABLE FOR THE ABOVE AND IS HELD HARMLESS AND INDEMNIFIED BY ALL CONTRACTORS FROM ANY CLAIMS, LOSSES, SUITS, OR LEGAL ACTIONS ARISING ARISING FROM THE CONTRACTORS PERFORMANCE OF THE WORK ON THIS PROJECT.

THE GC IS TO RETAIN THE SERVICES OF A LICENSED LAND SURVEYOR AND PAY THE FEE TO LOCATE AND STAKE THE PROPOSED STRUCTURE(S). THE LAND SURVEYOR IS TO ESTABLISH THE GRADE DATUM(S) IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

THE GC IS TO NOTIFY THE BUILDING DEPARTMENT AT LEAST 24 HOURS PRIOR TO THE POURING OF CONCRETE FOOTINGS.

THE GC IS TO SECURE AND PAY FEES FOR THE CERTIFICATE OF OCCUPANCY AFTER COMPLETION OF THE WORK AS INDICATED ON THE CONSTRUCTION DOCUMENTS, ADDENDAS, AND APPROVED CHANGE ORDERS. SUBMIT COPIES OF THE CERTIFICATE OF OCCUPANCY TO THE OWNER PRIOR TO SUBMITTING FOR FINAL PAYMENT.

NO EXTRA CHARGES WILL BE ACCEPTED DUE TO AN INCOMPLETE FIELD OBSERVATION BY THE GC, AND ALL SUBCONTRACTORS, EXCEPT FOR HIDDEN CONDITIONS AS DETERMINED BY THE ARCHITECT.

THE OWNER AND/OR THE ARCHITECT RESERVES THE RIGHT TO REQUEST SUBMITTALS AND/OR SHOP DRAWINGS FOR APPROVAL ON ANY AND ALL ITEMS SPECIFIED ON THE DRAWINGS INCLUDING BUT NOT LIMITED TO STRUCTURAL STEEL, STEEL REINFORCEMENT, DOOR HARDWARE, PLUMBING AND ELECTRICAL FIXTURES AND HVAC EQUIPMENT. THE CONTRACTOR MUST SUBMIT (3) COPIES OF EQUIPMENT AND FIXTURE CUTS ON ITEMS THAT THE CONTRACTOR IS REQUESTING TO SUBSTITUTE FOR THE ITEMS SPECIFIED ON THE DRAWINGS.

THE GENERAL CONTRACTOR AND ALL SUB CONTRACTORS ARE TO GUARANTEE WORK UNDER THEIR CONTRACT INCLUDING PARTS AND LABOR FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE.

THE ARCHITECT HAS NOT BEEN RETAINED TO PERFORM WORK DURING CONSTRUCTION OF PROJECT AND ASSUMES NO RESPONSIBILITY FOR INSPECTIONS, CHANGES IN DESIGN OR CONSTRUCTION MEANS AND METHODS.

## DIVISION 2 : SITE WORK

NO WORK UNDER THIS DIVISION

## DIVISION 3 : CONCRETE

- ALL CONCRETE IS TO BE CONTROLLED STONE CONCRETE COMPLYING WITH ALL ACI 308 BUILDING CODE REQUIREMENTS. CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. AT 28 DAYS. CONCRETE FOR GARAGES SLABS, CARPORTS SLABS, STEPS, PORCH SLABS, AND SIDEWALKS EXPOSED TO WEATHER IS TO BE MINIMUM OF 3500 PSI. SLABS 15" THICK-ENTRAINED CONCRETE. SEE FOUNDATION PLANS FOR LOCATIONS OF CONCRETE WITH A HIGHER COMPRESSIVE STRENGTH.
- CONCRETE IS TO BE PLACED IN CONFORMANCE WITH ACI 304. LATEST ADDITION. CONCRETE IS NOT TO BE SUBJECTED TO DROPS OF MORE THAN 1'-0".
- ALL POURS ARE TO BE TERMINATED BY FORMS. PROVIDE KEY WEAYS AS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ARCHITECT.
- CONCRETE IS TO BE FORMED, UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
- OBTAIN CONCRETE MANUFACTURERS CERTIFICATES OF COMPLIANCE SHOWING CONCRETE CLASS, AGGREGATE SIZE, ADDITIVES USED AND FIBER MESH REINFORCEMENT (IF APPLICABLE).
- THE FOUNDATION SUBCONTRACTOR IS TO OBTAIN CONCRETE TEST CYLINDERS FOR EACH CLASS OF CONCRETE SPECIFIED. TAKE TWO (2) CYLINDERS EACH FOR EACH 150 CU YDS OR FRACTIONS THEREOF. TEST ONE (1) CYLINDER AT SEVEN (7) DAYS AND ONE (1) CYLINDER AT 28 DAYS. CYLINDER TESTS TO BE PERFORMED BY A CERTIFIED TESTING LABORATORY. TEST REPORTS ARE TO INCLUDE CONCRETE CLASS, SLUMP, GAGE AND LOCATION OF CONCRETE. SUBMIT THREE (3) COPIES OF TEST REPORTS TO THE ARCHITECT FOR REVIEW AND APPROVAL.
- THE FOUNDATION SUBCONTRACTOR ARE TO SUBMIT FOUR (4) COPIES OF THE STEEL REINFORCEMENT SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL. THE SHOP DRAWINGS ARE TO INDICATE REINFORCEMENT TYPE, SIZES, QUANTITIES, PLACEMENT AND ALL BENDS AND LAPS FOR ALL FOUNDATION REINFORCEMENT AS INDICATED ON THE DRAWINGS.
- ALL STEEL REINFORCEMENT IS TO BE DEFORMED BARS OF INTERMEDIATE GRADE. NEW BILLET STEEL, A-65 GRADE 60 BENDS IN REINFORCEMENT ARE TO BE SHOP FABRICATED. FIELD BENDS WILL NOT BE PERMITTED.
- ALL REINFORCEMENT STEEL IS TO BE SECURELY WIRED TOGETHER IN THE FORMWORK. TWO WAY MATS OF STEEL ARE TO BE TIED AT ALTERNATE INTERSECTIONS BOTH WAYS. THE FOUNDATION SUBCONTRACTOR IS TO PROVIDE HIGH CHAINS, SPACERS, SUPPORTS, ETC. AS NECESSARY FOR THE PROPER ERECTION OF THE REINFORCEMENT STEEL.
- PROVIDE CLEARANCES FROM FACES OF CONCRETE TO REINFORCEMENT AS FOLLOWS:

- CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH -----'-3"
- EXPOSED TO EARTH OR WEATHER (1/2 BAR OR SMALLER) -----1/2"
- EXPOSED TO EARTH OR WEATHER (1/2 BAR OR LARGER) -----2"
- NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH
- SLABS, WALLS AND JOISTS -----3/4"
- BEAMS, GIRDERS, COLUMNS, TIES, STIRRUPS OR SPIRALS) -----1/2"
- (PRINCIPAL REINFORCEMENT, TIES, STIRRUPS OR SPIRALS) -----1/2"

- LENGTH OF REINFORCEMENT SPLICES ARE TO CONFORM TO ACI BUILDING CODE REQUIREMENTS, BUT IN NO CASE ARE THE SPLICES TO BE LESS THAN 36 BAR DIAMETERS OR AS OTHERWISE APPROVED BY THE ARCHITECT.
- WELDED WIRE FABRIC IS TO CONFORM TO ASTM SPECIFICATION A-95.
- ALL SLABS ON GRADE ARE TO BE REINFORCED WITH WELDED WIRE FABRIC 3/4" DOWN FROM TOP OF SLAB AND OVER ANY PIPES OR CONDUITS IN THE SLAB. SIZE AND TYPE TO BE AS INDICATED ON THE DRAWINGS, BUT IN NO CASE IS THE WIRE TO BE LESS THAN 6x6 - W4X4-4 W/16' FOR 4" SLAB.
- FIBER MESH REINFORCEMENT INTEGRAL WITH THE CONCRETE MIX MAY BE SUBSTITUTED FOR W/16' IN 4" SLABS ON GRADE.
- IS TO LAP ONE LAYER MESH SQUARE AT ALL SIDE AND END LAPS, AND BE WIRED TOGETHER.
- FOUR SLABS ON GRADE IN ALTERNATING LANE PATTERNS NOT TO EXCEED 800 SF. IN AREA, OR MORE THAN 40 FEET IN LENGTH BETWEEN CONSTRUCTION OR EXPANSION JOINTS. PROVIDE DIAGON SHAPED ISOLATION JOINTS AT ALL INTERIOR COLUMNS. EXPANSION JOINTS ARE TO BE MADE FROM FIRE FORMED ASPHALT IMPREGATED FIBERBOARD.
- PLACE A MINIMUM OF 4" CRUSHED STONE SLABS ON GRADE.
- INSTALL 6 MIL POLYETHYLENE VAPOR BARRIER UNDER ALL SLABS ON GRADE. LAP ENDS A MINIMUM OF 6" AND TAPE.
- EXPANSION JOINTS BETWEEN ALL SLABS AND VERTICAL SURFACES, BETWEEN SIDEWALK SLABS AND CURBS, SIDEWALK SLABS AND EXTERIOR WALLS AND IN SIDEWALK SLAB SPACES A MAXIMUM OF 10'-0" OC.
- PROVIDE W/16' AT DEEP END OF JOINTS. TWO SLABS WITH 14 HOURS OF POUR OR FORMED JOINT FILLED WITH SEALER AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ARCHITECT.
- THE FOUNDATION CONTRACTOR IS TO ASCERTAIN THE LOCATIONS OF ALL BEEHIVES, INSECTS, ANCHOR BOLTS, AND IMPEDIMENTS REQUIRED BY ALL OTHER TRADES. SUCH IMPEDIMENTS ARE TO BE CHECKED FOR COMPLETENESS AND PROPER LOCATION PRIOR TO CONCRETE BEING PLACED.
- PROTECT THE BUILDING AS LEAST 14 HOURS PRIOR TO THE PLACEMENT OF CONCRETE FOOTINGS FOR REQUIRED INSPECTIONS.
- CURING OF CONCRETE IS TO START AS SOON AS THE FINISHES WILL NOT BE HARMED THEREBY. DELAYING THE CURING PROCESS WILL NOT BE PERMITTED.
- ALL COLD WEATHER CONCRETES TO BE PERFORMED IN ACCORDANCE WITH ALL RECOMMENDATIONS OF THE ACI. PROVIDE AND INSTALL TEMPORARY INSULATING BLANKETS 16 RES TO PROTECT ALL PORTIONS OF CONCRETE FROM CORROSIVE ADmixTURES SUCH AS THOSE CONTAINING CALCIUM CHLORIDE MAY NOT BE USED.
- PROVIDE NON-SHRINK GROUT UNDER ALL LEVELING PLATES AND BEARING PLATES.
- APPLY TROWEL FINISH TO ALL EXTERIOR WALKS SURFACES EXPOSED TO VIEW OR RECEIVING TRAFFIC. VARIATIONS IN FLOOR SLAB ARE NOT TO EXCEED 1/8" IN 10'-0" UNLESS SLAB FITCHES TOWARD FLOOR DRAIN.
- APPLY NON-SHRINK BROOM FINISH TO ALL EXTERIOR WALKS, GARAGE FLOORS AND BULKHEADS AS NOTED ON THE DRAWINGS.
- INSTALL CONCRETE SLAB SEALER TO ALL INTERIOR SLABS EXPOSED TO VIEW NOT RECEIVING TRAFFIC TO PREVENT DUSTING WDN.

## DIVISION 4 : MASONRY

NO WORK UNDER THIS DIVISION

## DIVISION 5 : METALS

- PROVIDE AND INSTALL ALL STRUCTURAL STEEL MEMBERS AND UROUGHT IRON RAILINGS AND/OR FENCES AND ALL ACCESSORIES AS CALLED FOR ON THE DRAWINGS AND AS REQUIRED FOR COMPLETE INSTALLATION.
- STEEL CONSTRUCTION SHALL CONFORM TO AISC 'MANUAL OF STEEL CONSTRUCTION', LATEST EDITION.
- MATERIALS FOR STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS :
  - IF COLUMNS, PIPE COLUMNS, BEAMS, GIRDERS, MISC. STEEL : ASTM A-36
  - BEARING PLATES, BASE PLATES AND CAP PLATES : ASTM A-36
  - STRUCTURAL TUBING COLUMNS : ASTM A500 Fy = 48 ksi
- ALL STEEL SHALL BE SHOP PAINTED WITH GRAY ZINC CHROMATE PRIMER 2.0 MILS IN THICKNESS, EXCEPT WHERE FIELD WELDING IS TO BE DONE. ALL WELDS AND BARE SPOTS SHALL RECEIVE TOUCHUP PAINTING.
- ALL BOLTED CONNECTIONS SHALL BE MADE USING HIGH STRENGTH A325-F, 3/4" DIAMETER INSTALLED IN ACCORDANCE WITH 'SPECIFICATIONS FOR STRUCTURAL JOINTS' USING A325 OR A490 BOLTS. UNLESS OTHERWISE DETAILLED.
- STEEL CONCRETE REINFORCEMENT : BARS : NEW BILLET STEEL DEFORMED BARS, ASTM A-65 GRADE 60 NOTED AS NOTED ON DRAWINGS. WELDED WIRE FABRIC (W/16') : ASTM A65, 5/16S AS NOTED ON DRAWINGS.
- ANCHOR BOLTS SHALL BE ON A-36 OR A-307 STEEL. PROVIDE 1/2" DIAMETER X 1'-0" LONG MINIMUM TIE-ANCHOR BOLTS 15'-0" OC. MAXIMUM 1" MINIMUM (12) FIBER PLATE TO ANCHOR EXTERIOR WOOD SILL PLATES TO FOUNDATION WALLS. EMBEDMENT TO BE 8" FOR POURED CONCRETE, 15" FOR CMU.
- PROVIDE 1/2" DIA. AND/OR 3/4" DIA. ANCHOR BOLTS IN QUANTITY AND LENGTHS SPECIFIED ON THE DRAWINGS TO ANCHOR STEEL COLUMN BASE PLATES TO FOOTINGS AND PIERS.
- ALL COLUMNS UNLESS OTHERWISE NOTED, SHALL BE 4" DIAMETER. STANDARD WEIGHT (MINI) STEEL COLUMNS WITH BEARING PLATES AT TOP AND BOTTOM WELDED TO COLUMN. PRIME COAT OF PAINT TO BE APPLIED AFTER WELDING. (10'X10'X5/8" BOTTOM PLATE, UNLESS NOTED OTHERWISE).
- WROUGHT IRON RAILINGS AND FENCES, WHERE SPECIFIED ON THE PLANS, PROVIDE AND INSTALL WROUGHT IRON RAILINGS AND/OR FENCES OF A DESIGN AS SELECTED BY THE OWNER.
- WROUGHT IRON RAILINGS SHALL BE 36" MINIMUM IN HEIGHT, WITH THE BOTTOM RAIL AND BALLUSTERS SPACED 80 THAT A 4" DIA. SPHERE CAN NOT PASS THROUGH AND A 6" DIA. SPHERE CAN NOT PASS THROUGH BETWEEN THE BOTTOM RAIL AT STEPS FORMS A TRIANGULAR OPENING.

## DIVISION 6 : WOOD AND PLASTICS

- ALL FRAMING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE 'NATIONAL DESIGN SPECIFICATION FOR STEELS' GRADING LUMBER AND ITS FASTENINGS' AS PUBLISHED BY THE NATIONAL LUMBER MANUFACTURERS ASSOCIATION.
- ALL LUMBER MATERIALS USED IN THE BUILDING SHALL BE GOOD, SOUND, DRY MATERIAL FREE FROM LARGE AND LOCAL KNOTS, SHAKES AND OTHER DEFECTS UNLESS THE STRENGTH MAY BE IMPAIRED AND OF SIZED, INDICATED ON DRAWINGS.
- WORKMANSHIP INCLUDING STRUCTURAL FRAMING, NAILING, BLOCKING, BRIDGING, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE 2020 INTERNATIONAL RESIDENTIAL CODE (2020-IRC) WITH 2011 NYS CODE SUPPLEMENT.
- ALL NEW DIMENSIONAL LUMBER SHALL BE DOUGLAS FIR, NO. 2 OR BETTER WITH MIN. 26% MOISTURE PSI AND 1 (3000/2000 PSI).
- DIMENSIONAL LUMBER SHALL BEAR VISIBLE GRADE STAMPING AND BE KILN DRY.
- ENGINEERED LUMBER PRODUCTS (TJI JOISTS, I-JOIS, LVL'S, AND PSLS) SHALL BE BY 'ULTRAFIBER' OR AN APPROVED EQUAL. INSTALLATION OF ENGINEERED LUMBER PRODUCTS SHALL BE PER THE MANUFACTURER'S INSTRUCTIONS.
- PROVIDE LEDGER BOARDS, BLOCKING, NAILERS, AND ROUGH FRAMING HARDWARE AS REQUIRED.
- PROVIDE ALL REQUIRE 2 X FIRE BLOCKING AS SPECIFIED IN SECTION 602.8 OF 2020 INTERNATIONAL RESIDENTIAL CODE (2020-IRC) WITH 2011 NYS CODE SUPPLEMENT. USE PARTITIONS AT 10'-0" OR TALLER. INSTALL 2 X FIRE BLOCKING 'CATS' AT MID POINT.
- ALL DIMENSIONAL LUMBER BEAMS, JOISTS AND RAFTERS TO BE SET WITH NATURAL CROWN UP.
- WOOD STUD PARTITIONS SHALL BE INSTALL WITH THE STUDS NATURAL CROWN ALL ON THE SAME SIDE.
- PROVIDE DOUBLE RAFTERS AND HEADERS AROUND ALL ROOF SKYLIGHTS UNLESS OTHERWISE NOTED ON PLANS.
- PROVIDE (12)X8 MINIMUM HEADER WHERE ROUGH OPENING DOES NOT EXCEED 3'-0".
- PLYWOOD FOR SUBFLOOR SHEATHING SHALL BE 3/4" THICK 1x6 AND WALL AND ROOF SHEATHING SHALL BE 5/8" THICK APA C-C PLUGGED EXTERIOR OR APA UNDESIGNATED EXTERIOR INDEX STAMP SHALL BE USED ON ALL SHEATHING.
- PROVIDE STRAND BOARD (OSB) SHEATHING SHALL BE PERMITTED WHERE ALLOWABLE BY THE 2020-IRC.
- PLYWOOD SHALL BE NAILED TO JOISTS WITH #10 COMMON NAILS AT 6" ON CENTER AT EXTERIOR EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORT. UNLESS OTHERWISE NOTED.
- USE PLY CLIPS OR OTHER EDGE SUPPORT FOR ALL PLYWOOD SHEATHING WHERE FRAMING MEMBERS AT SPACED GREATER THAN 6" OC.
- PLACE FACE GRAIN IN DIRECTION OF SPAN (TRAVELER TO JOIST SPAN).
- LEAVE 1/8" SPACE AT ALL PLYWOOD PANEL AND JOINTS AND 1/8" SPACE AT ALL PANEL EDGE JOINTS.
- JOIST HANGERS, FRAMING ANCHORS, STRAPS AND RAFTER ANCHORS SHALL BE HOT DIPPED GALVANIZED. OR GALVANIZED COATED STEEL OR EQUIVALENT. FOR PRESERVE TREATED LUMBER AS MANUFACTURED BY 'SYMPSON STRONG-TIE' USE CONNECTORS OR APPROVED EQUAL. GALVANIZED OR STAINLESS STEEL SPECIALTY NAILS AS SUPPLIED BY MANUFACTURER SHALL BE USED FOR REQUIRED NAILING.
- METAL CROSS BRACING SHALL BE GALVANIZED STEEL, AS MANUFACTURED BY 'SYMPSON STRONG-TIE' OR APPROVED EQUAL, AND INSTALLED ACCORDING TO MANUFACTURERS DIRECTIONS.
- STRUCTURAL WOOD FASTENERS, WHERE STRUCTURAL WOOD FASTENERS (SCREWS) ARE SPECIFIED OR REQUIRED, THE STRUCTURAL WOOD FASTENERS SHALL BE BY 'SYMPSON STRONG-TIE' USE CONNECTORS MITEK, FASTENMASTER, Ledge-Lock, OR APPROVED EQUAL OF TYPES AND SIZES SPECIFIED OR AS REQUIRED BY SPECIFIC APPLICATION.
- PROVIDE 1x4 BRIDGING OR SOLID BLOCKING EVERY 8'-0". BOTTOM ENDS OF BRIDGING SHALL NOT BE NAILED UNTIL AFTER INTERIOR FINISH IS COMPLETE.
- INSTALL DOUBLE JOISTS UNDER ALL PARTITIONS PARALLEL TO JOISTS.
- WHERE SHEATHING IS NOT PLYWOOD OR OSB, DIAGONAL BRACING SHALL BE LET IN AT EXTERIOR CORNERS OR BRACE CORNERS WITH 1/2" COX PLYWOOD 4'-0" IN EACH DIRECTION.
- CORNER BOARDS, FASCIA BOARDS, DOORS AND UNDOUS CASINGS, AND DECORATIVE WOOD ITEMS SHALL BE WOOD 3/4" OR 1/2" THICK NO. 1 PINE OF SIZE, STYLE AND DESIGN AS INDICATED ON THE DRAWINGS. BACK FINISH PAINTED RYR.
- WHERE PVC TRIM IS SPECIFIED, THE PVC TRIM SHALL BY 'AZEK' OR APPROVED EQUAL.
- EXTERIOR WOOD POSTS SHALL BE PRESSURE TREATED WOOD, SET ON APPROVED TYPE HEAVY DUTY GALVANIZED METAL BASE, ANCHORED IN CONCRETE. BOXED FINISH TO MATCH WOOD TRIM.
- WOOD FLATES AND SILLS IN CONTACT WITH CONCRETE FOUNDATION WALLS AND CONCRETE SLABS SHALL BE PRESSURE TREATED WOOD.
- PRESSURE PRESERVATIVES TREATMENT FOR WOOD SHALL BE APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION.
- PROVIDE (312'X6" BUILT UP POSTS MINIMUM SPKED TOGETHER AT BEARING POINTS OF ALL TRIPLE FRAMING MEMBERS UNLESS OTHERWISE NOTED.

## DIVISION 7 : THERMAL AND MOISTURE PROTECTION

- BASMENT FOUNDATION WALLS BELOW GRADE IS TO BE WATERPROOFED WITH AN APPROVED TYPE. BENEATH COATING OR RUBBER W/16' WITH PROTECTION BOARD(S) APPLIED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND INSTALLATION RECOMMENDATIONS.
- INSTALL 2" THICK BY 2'-0" WIDE RIGID INSULATION UNDER BASMENT SLABS AT FOUNDATION PERIMETER.
- PROVIDE 4" PERFORATED PVC OR 4" CORRUGATED PERFORATED HDPE FOOTING DRAINS COVERED WITH FILTER FABRIC SOOK WITH MIN. 1/2" OF CRUSHED-STONE SURROUND WRAPPED WITH FILTER FABRIC ALONG FOOTING PITCH OUT TO DRAIN, CONNECTED TO SUMP PIT WITH SUMP PUMP OR TO PRECAST CONCRETE DRYWELL(S).
- INSTALL 6 POLYETHYLENE VAPOR BARRIERS UNDER ALL SLABS ON GRADE UCN.
- INSTALL FIBERGLASS OR STYROFOAM 'GILL SEALER' INSTALLED UNDER ALL PT. WOOD SILLS BEARING ON GRADE OR CONCRETE FOUNDATION WALLS.
- ALL UNDOUS DOORS AND SKYLIGHTS TO HAVE FACTORY INSTALLED WEATHER-STRIPPING AND CAULKED, INSTALL FLEXIBLE FLASHING BY GRACE OR EQUAL AROUND ALL OPENINGS PER WINDOW AND DOOR MANUFACTURERS INSTALLATION INSTRUCTIONS.
- ALL SPACES BETWEEN WOOD FRAME AND UNDOUS AND DOORS SHALL BE FILLED WITH LOW EXPANSION WINDOW AND DOOR INSULATING FOAM SEALANT BY GREAT STUFF OR EQUAL.
- SIDING ON ADDITIONS WHERE EXISTING SIDING IS TO REMAIN, THE CONTRACTOR SHALL INSTALL NEW SIDING TO MATCH EXISTING SIDING AND SIDING IS SPECIFIED TO BE COMPLETELY REPLACED ON HOUSE, THEN CONTRACTOR SHALL PROVIDE IN BASE BID PRICE SIDING AS BASED ON CERTAINED 'CLASSIC DOUBLE 4" CLAPBOARD VINYL SIDING UNLESS OTHERWISE SPECIFIED ON THE PLANS. COLOR TO BE SELECTED BY OWNER FROM STANDARD SELECTION. AT OWNER'S OPTION, ALTERNATIVE SIDING MAY BE SELECTED BY OWNER AND CONTRACTOR SHALL SUBMIT PRICE TO OWNER BASED ON SIDING SELECTED.
- ALL SEALANTS TO BE SILICONE BASED, PAINTABLE OR COLORED TO MATCH SURROUNDING MATERIAL, OF APPROVED TYPES FOR SPECIFIC LOCATIONS AND CONDITIONS.
- ALL FLASHING SHALL BE NONFERROUS METAL (ALUMINUM OR COPPER) UNLESS OTHERWISE NOTED. FABRIC FLASHING SHALL BE USED AT WINDOWS AND DOOR OPENINGS.
- ALL THERMAL INSULATION TO BE GLASS FIBER BATTS WITH A KRAFT PAPER TYPE VAPOR BARRIER WITH R-VALUES SPECIFIED ON PLANS FOR SPECIFIC LOCATIONS. VAPOR BARRIER IS TO BE INSTALLED ON THE HEATED SIDE UNLESS OTHERWISE NOTED. AS MANUFACTURED BY GAF, CERTAINT, QUINS CORNING OR APPROVED EQUAL. WHEN UNFACED BATT INSULATION IS USED, PROVIDE 6 MIL POLYETHYLENE VAPOR BARRIERS ON HEATED SIDE OF CEILING AND WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION IN ALL INTERIOR BATHROOM WALLS AND CEILINGS AND IN OTHER ROOM NOTED ON THE PLANS. DO NOT SUBSTITUTE WITH REGULAR BATT INSULATION.
- ROOFS THAT PITCH LESS THAN 3 ON 12 SHALL HAVE ASPHALT TORCHED DOWN ROOF SYSTEM. INSTALL PER MANUFACTURERS INSTRUCTIONS AND HAVE A 30 YEAR WARRANTY MINIMUM.
- ROOFS THAT PITCH 3 ON 12 OR GREATER SHALL HAVE ASPHALT SHINGLES. ROOFS ON ADDITIONS WHERE EXISTING ROOFING IS TO REMAIN, THE CONTRACTOR SHALL INSTALL NEW ASPHALT ROOFING TO MATCH EXISTING WHERE ROOF IS SPECIFIED TO BE COMPLETELY RE-ROOFED. THEN CONTRACTOR SHALL INSTALL 30 YEAR ARCHITECTURAL SHINGLES EQUAL TO GAF TYBERKE. COLOR TO BE SELECTED BY OWNER FROM STANDARD SELECTION.
- ALL ROOF TO ROOF, AND ROOF TO WALL JOINTS SHALL BE CONTINUOUSLY FLASHED.
- ALL ROOFS DESIGNATED AS HAVING ASPHALTIC FIBERGLASS SHINGLE ROOFING SHALL HAVE ICE AND WATER SHIELD BY GRACE' OR APPROVED EQUAL. A MINIMUM OF 36" WIDE INSTALLED AT EAVES, VALLEYS AND ROOFWALL INTERSECTIONS AND (ONE) LAYER OF 36" ROOF FELT UNDERLAYMENT OVER PLYWOOD SHEATHING ELSEWHERE.
- PROVIDE PROPER VENTILATION AT ALL ROOF CONDITIONS.
- PROVIDE A MINIMUM OF 1' AIR SPACE BETWEEN BATT INSULATION AND UNDERSIDE OF ROOFING SHEATHING FOR VENTILATION. INSTALL 1" DEEP VENT RAFTER BATTLES IN EACH RAFTER BAY STAPLED TO PLYWOOD ROOF SHEATHING.
- ALL PERIMETERS OF ROOF CORNICES SHALL HAVE ONE LAYER OF ICE AND WATER SHIELD FROM FASCIA TO EXTERIOR WALL (OR AS NOTED ON DRAWINGS).

## DIVISION 8: WINDOWS AND DOORS

- SEE ARCHITECTURAL PLANS FOR ADDITION INFORMATION ON WINDOWS AND DOORS.
- WINDOWS AND GLASS GLIDING AND FLYING DOORS ARE SPECIFIED AS ANDERSEN 4000 SERIES. OTHER MANUFACTURERS AS MAY BE SELECTED BY CONTRACTOR OR OWNER ARE SUBJECT TO ARCHITECT'S APPROVAL.
- IF ALTERNATE WINDOW MANUFACTURER IS TO BE USED, THE CONTRACTOR SHALL SUBMIT TO ARCHITECT FOR APPROVAL COPIES OF WINDOW SIZES TO BE USED FOR COMPLIANCE TO EMERGENCY MEANS OF EGRESS AND ENERGY CODE REQUIREMENTS AND GENERAL DESIGN CONCEPT COMPLIANCE.
- ALL GLAZING IN SHOULDER/TUB ENCLOSURES AND DOORS, FIXED SIDE LIGHTS, INTERIOR AND EXTERIOR PARTITIONS WHERE SUCH GLAZING EXTENDS TO WITHIN 18" OF FLOOR LEVEL, IS TO BE SHATTERPROOF TYPE GLASS, TEMPERED OR LAMINATED SAFETY GLASS AS PER CODE REQUIREMENTS.
- IN ADDITION TO GLAZING NOTED ABOVE, WINDOWS AT BATH-TUBS AND STAIR LANDING ARE TO HAVE TEMPERED SAFETY GLASS.
- NEW INTERIOR DOORS, FRAMES AND HARDWARE IS TO MATCH EXISTING UNLESS OTHERWISE SPECIFIED BY THE OWNER.
- NEW ENTRY DOORS ARE TO BE SELECTED BY THE OWNER. OWNER SHALL PAY FOR ENTRY DOOR(S) SEPARATELY AND INSTALLED BY THE CONTRACTOR.
- NEW OVERHEAD DOOR(S) SHALL BE OF THE SIZE(S) AND QUANTITIES SHOWN ON THE PLANS. OVERHEAD GARAGE DOORS SHALL BE INSULATED FULLY WEATHERSTRIPPED. CONTRACTOR TO PROVIDE DOOR TRACK SPRINGS AND ALL OTHER HARDWARE NECESSARY FOR A COMPLETE INSTALLATION. OVERHEAD DOOR MANUFACTURER MATERIAL AND STYLE TO BE SELECTED BY THE OWNER.
- NEW DOORS BETWEEN GARAGES AND MAIN HOUSE, AND AT MECHANICAL ROOMS ARE TO BE 3/4" HOUR FIRE RATED DOORS AND FRAMES WITH SELF CLOSING SPRING HINGES NOTED ON PLANS AS 16CFP.

## DIVISION 9 : FINISHES

GENERAL FINISHES NOTES

- ALL INTERIOR AND EXTERIOR FINISHES, COLORS, STYLES FOR FLOORS, WALLS AND CEILING TO BE SELECTED BY THE OWNER. THESE GENERAL NOTES CONTAIN BASE SPECIFICATION FOR FINISHES FOR BASE LEVEL OF QUALITY. CONTRACTOR SHALL INCLUDE IN BASE BID PRICE FOR INSTALLATION OF ALL FINISH ITEMS WHERE OWNER NEEDS TO MAKE A SELECTION. FINISHES TO BE PURCHASED BY THE OWNER DIRECTLY SHALL INCLUDE WOOD FLOORING ABOVE BASE WOOD FLOORING TO MATCH EXISTING, CERAMIC, PORCELAIN OR STONE TILE, WALL COVERINGS, KITCHEN AND BATHROOM VANITY CABINETRY, COUNTERTOPS AND WINDOW TREATMENTS.
- ALL INTERIOR DRYWALL SURFACES TO BE 1/2" OR 5/8" GYPSUM WALL BOARD (AS NOTED ON THE DRAWINGS). UNLESS PARTITION OR CEILING IS REQUIRED TO HAVE A FIRE RESISTANT RATING, GWB IS TO BE FINISHED AS SPECIFIED BELOW.
- ALL INTERIOR GYPSUM WALL BOARD WALLS OR CEILINGS INDICATED AS REQUIRING A FIRE RESISTANT RATING ARE TO RECEIVE 5/8" FIRE CODE GYPSUM BOARD IN NUMBER OF LAYERS SPECIFIED. GWB IS TO FINISHED AS SPECIFIED BELOW.
- ALL BATHROOM WALLS, LAUNDRY ROOMS, BEHIND KITCHEN SINKS AND OTHER AREAS SUBJECT TO MOISTURE IS TO RECEIVE 1/2" WATER RESISTANT GYPSUM WALL BOARD. (GREEN BOARD) FINISH AS NOTED BELOW.
- ALL GYPSUM WALL BOARD SURFACES ARE TO RECEIVE (3) THREE COATS OF JOINT TAPE AND JOINT COMPOUND AND JOINT COMPOUND AT SCORING/LIN. HEADS SURFACE IS TO BE TAPED, SPACKLED, SANDED SMOOTH READY TO RECEIVE PAINT OR WALL COVERING.
- ALL BATHROOM SHOWERS, TUB AREAS, OR CEILING DESIGNATED TO RECEIVE CERAMIC TILE IS TO RECEIVE 1/2" CEMENTITIOUS BACKER BOARD WITH (3) THREE COATS OF CEMENT BOARD AND JOINT COMPOUND AND JOINT MESH AS REQUIRED PRIOR TO TILING.
- ALL FLOORS DESIGNATED TO RECEIVE CERAMIC TILE FLOORING IN THINSET APPLICATION ARE TO RECEIVE 1/2" CEMENTITIOUS BACKER BOARD INSTALLED OVER PLYWOOD SUBFLOOR. APPLY CEMENT BOARD JOINT MESH AND COMPOUND AS NOTED ABOVE.
- HARDWOOD FLOORING IS TO MATCH EXISTING FLOORS AND IS TO BE SANDED, STAINED TO MATCH AND RECEIVE (1) COAT OF SEALER AND (2) COATS OF POLYURETHANE.
- FLOORS SPECIFIED TO RECEIVE CARPETING AND PADDING ARE TO HAVE 1/2" A/C PLYWOOD UNDERLAYMENT INSTALLED OVER SUBFLOOR.

## DIVISION 10: SPECIALITIES

NO WORK UNDER THIS DIVISION

## DIVISION 11 : EQUIPMENT

- OWNER SHALL PROVIDE ALL KITCHEN APPLIANCES AND LAUNDRY EQUIPMENT - CONTRACTOR SHALL INCLUDE IN BASE BID INSTALLATION OF APPLIANCES AND LAUNDRY EQUIPMENT AND ALL REQUIRED MECHANICAL AND/OR ELECTRICAL SYSTEMS AND CONNECTIONS REQUIRED FOR PROPER WORKING CONDITIONS.

## DIVISION 12 : FURNISHINGS

NO WORK UNDER THIS DIVISION

## DIVISION 13 : SPECIAL CONSTRUCTION

NO WORK UNDER THIS DIVISION

## DIVISION 14 : CONVEYING SYSTEMS

NO WORK UNDER THIS SECTION

## DIVISION 15 : MECHANICAL

HVAC

- EXISTING HVAC SYSTEM MODIFICATIONS AND/OR NEW HVAC WORK IS TO COMPLY WITH THE 2020 MECHANICAL CODE OF NYS, THE 2020 FUEL GAS CODE OF NYS, THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS, AND ALL OTHER LOCAL CODES AND AGENCIES HAVING JURISDICTION.
- THE CONTRACTOR IS TO PROVIDE ALL LABOR MATERIALS, AND EQUIPMENT NECESSARY FOR COMPLETE INSTALLATION OF HVAC SYSTEMS.
- SUBCONTRACTORS ARE TO COORDINATE WORK WITH ALL OTHER TRADES.
- THE GENERAL CONTRACTOR IS TO RETAIN A QUALIFIED HVAC CONTRACTOR TO SURVEY EXISTING HEATING EQUIPMENT IN CONNECTION WITH THE PROPOSED ADDITION TO VERIFY ITS CAPACITY FOR EXPANSION.
- IF THE EXISTING HEATING EQUIPMENT IS NOT CAPABLE OF SUPPLYING THE PROPER HEATING CAPACITY WITH THE PROPOSED ADDITION, THE HVAC CONTRACTOR IS TO SIZE A NEW HEATING SYSTEM SIMILAR TO EXISTING.
- THE HEATING EQUIPMENT IS TO SIZED AND INSTALLED TO MAINTAIN 68 DEGREES F. INDOOR TEMPERATURE WITH A 0 DEGREE F. OUTSIDE TEMPERATURE.
- ALL HEATING, VENTILATING AND AIR CONDITIONING EQUIPMENT IS TO BE UL LISTED AND INSTALLED IN ACCORDANCE WITH SAME.
- BATHROOMS, KITCHEN AND DRINKERS ARE TO BE EXHAUSTED DIRECTLY TO EXTERIOR IN ACCORDANCE WITH ROOM'S REQUIREMENTS.
- MECHANICAL ROOMS ARE TO BE VENTED WITH FRESH AIR INTAKES IN ACCORDANCE WITH NFPA CODES \* 31 OR 34.
- THE CONTRACTOR IS TO GUARANTEE ALL HVAC WORK FOR A PERIOD OF (1) ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER.

PLUMBING

- ALL PLUMBING WORK IS TO COMPLY WITH THE 2020 PLUMBING CODE OF NYS, THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS, AND THE REQUIREMENTS OF ALL LOCAL CODES AND AGENCIES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR (P/C) IS TO OBTAIN AND PAY FOR ALL REQUIRED PERMITS PERTAINING TO THE PLUMBING WORK. THE P/C IS TO ARRANGE FOR ALL REQUIRED INSPECTIONS AND OBTAIN ALL APPROVALS.
- THE P/C IS TO PROVIDE ALL LABOR MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE PLUMBING SYSTEM.
- FOR ALTERATIONS AND/OR ADDITIONS TO AN EXISTING RESIDENCE, THE PLUMBING CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS, DRYLY EXISTING PLUMBING SYSTEM TO PROVIDE ADEQUATE FLOWING TO ALL FIXTURES NEW OR OLD.
- ALL VALVES, TRAPS, CLEAN OUTS, ETC. AND OTHER WORK IS TO BE INSTALLED TO BE READY, ACCESSIBLE FOR OPERATION, REPAIR AND MAINTENANCE. ALL PIPING IS TO RUN CONCEALED.
- ALL UNDERGROUND SANITARY SELLER PIPING TO BE SCHEDULE 40 PVC PIPING WITH PVC FITTINGS UNLESS OTHERWISE NOTED.
- HANGER AND SUPPORTS FOR WATER PIPING TO BE OF AN APPROVED TYPE, SPACED 6'-0" OC. MAXIMUM FOR PIPES SMALLER THAN 2" AND 10'-0" OC. MAXIMUM FOR PIPES 2" AND LARGER.
- ALL HOT AND COLD WATER PIPING IS TO BE INSULATED WITH THE NYS ENERGY CONSERVATION CONSTRUCTION CODE. THE INSULATION IS TO BE FIBERGLASS, FOAM OR ANOTHER APPROVED MATERIAL.
- EXCAVATIONS FOR UNDERGROUND PIPING TO BE OF THE REQUIRED DEPTH, PITCH AND LOCATIONS WITH A FIRM BED. TAMPED AS REQUIRED. BACK FILL TO BE CLEAN EARTH WITH STONE SIZES NOT TO EXCEED 2" IN DIAMETER. SAND OR GRAVEL, BACK FILLING AND CONNECTION ARE TO BE PERFORMED IN SUCH A MANNER TO ASSURE PROPER COMPACTNESS WITHOUT DAMAGE TO THE PIPE. THE P/C IS TO PROVIDE DETAILINGS AS MAY BE REQUIRED.
- PROVIDE CHROME PLATED SHUT OFF VALVES WITH CHROME PLATED BRONZE/STEEL PLATES AT EACH FIXTURE'S HOT AND COLD WATER LINES.
- ALL FLOOR DRAINS ARE TO HAVE DEEP TRAP WATER SEALS OF 4" MINIMUM AND ADJUSTABLE STRAINERS WITH BRASS FINISH. PROVIDE REMOTE VENT UNDER SLAB AT EACH FLOOR DRAIN TYPICAL.
- NO WATER PIPES OR WASTE LINES ARE TO BE EXPOSED IN UNDEGRADED SPACES OR UNINSULATED BASEMENTS. PROTECT ALL PIPING FROM FREEZING.
- WHERE DIRECTED BY THE OWNER, INSTALL TWO NON-FREEZE HOSE BIBBS. INCLUDE (2) NON-FREEZE HOSE BIBBS IN BASE BID.
- WHERE INDICATED ON THE DRAWINGS OR REQUIRED, PROVIDE WATER HEATER(S) BY A.O. SMITH OR EQUAL, SIZED BY THE PLUMBING CONTRACTOR. WATER HEATER IS TO BE PROVIDED WITH A TEMPERATURE AND PRESSURE RELIEF VALVE WITH A 1/4" OUTLET PIPE TO WITHIN 6" OF THE FINISHED FLOOR. PROVIDE WITH SHUT OFF VALVES AND UNIONS AT SUPPLY AND OUTFLOW PIPES FOR EASY REMOVAL OF THE WATER HEATER.
- ALL KITCHEN AND BATHROOM PLUMBING FIXTURES ARE TO BE SELECTED BY THE OWNER AND PURCHASE SEPARATELY FROM THE CONTRACTOR'S BASE BID. THE PLUMBING CONTRACTOR IS TO INCLUDE IN THE BASE BID INSTALLATION OF ALL NEW PLUMBING FIXTURES INDICATED.
- THE PLUMBING CONTRACTOR IS TO GUARANTEE ALL PLUMBING WORK FOR A PERIOD OF (1) ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER.

- FUEL GAS PIPING NOTES:
  - FUEL GAS PIPING SYSTEM AND EQUIPMENT IS TO COMPLY WITH THE 2020 FUEL GAS CODE OF NYS, NFPA REQUIREMENTS AND THE REQUIREMENTS OF THE REQUIREMENTS OF ALL LOCAL CODES AND AGENCIES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR (P/C) IS TO COORDINATE GAS PIPING WORK WITH ALL OTHER CONTRACTORS SUPPLYING GAS FIRED EQUIPMENT UNDER THEIR CONTRACTS. OBTAIN GAS BATH REQUIREMENTS FOR SUCH EQUIPMENT FROM SUPPLYING CONTRACTORS.
- GAS PIPING IS TO BE SCHEDULE 40 BLACK WROUGHT THREADED STEEL PIPE CONFORMING TO ASTM A53 AND ASTM A106. FITTINGS TO BE THREADED MALLEABLE IRON.
- INSTALL APPROVED HANGERS AND SUPPORTS SPACED A MAXIMUM OF 10'-0" OC.
- THE SYSTEM IS TO BE PROPERLY SIZED FOR A PRESSURE DROP OF NOT MORE THAN .03' OF WATER AT A SPECIFIC GRAVITY OF .86.
- PROVIDE DROP TEE DIRT LEGS AT EQUIPMENT AND AS REQUIRED BY CODE.
- PROVIDE SHUT OFF VALVES AT EACH GAS FIRED APPLIANCE OR EQUIPMENT. VALVES TO BE MANUFACTURED BY ORANGE OR APPROVED EQUAL. SHUT OFF VALVES SHALL BE LOCATED WITHIN 6 FEET FROM THE APPLIANCE OR EQUIPMENT.
- CONNECTIONS TO EQUIPMENT ARE TO BE WARD PIPED WITH UNION JOINTS OR FLEXIBLE CONNECTIONS WHERE RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- FLEXIBLE CONNECTORS BETWEEN PIPING AND EQUIPMENT TO BEAR A UL APPROVED LABEL.
- CORRUGATED STAINLESS STEEL TUBING (CS61) SHALL BE PROPERLY GROUNDING BY ELECTRICAL CONTRACTOR TO PROTECT TUBING FROM FINHOLE LEAKS.
- TESTING : PURGE GAS PIPING SYSTEM AS REQUIRED. DO NOT PURGE INTO COMBUSTION CHAMBER OF EQUIPMENT. SYSTEM IS TO BE AIR TESTED TO A PRESSURE OF 1 1/2 TIMES THE SYSTEMS OPERATING PRESSURE AND MAINTAIN THIS TEST PRESSURE FOR 30 MINUTES.

## DIVISION 16 : ELECTRICAL

- ALL ELECTRICAL WORK IS TO CONFORM TO THE 2020 RESIDENTIAL CODE OF NEW YORK STATE, THE N.E.C. AND LOCAL CODES, AND THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION.
- THE ELECTRICAL CONTRACTOR (E.C.) IS TO OBTAIN ALL PERMITS AND PAY ALL FEES IN CONNECTION WITH THE ELECTRICAL WORK REQUIRED.
- THE E.C. IS TO FIELD VERIFY ALL CONDITIONS IN CONNECTION WITH THE ELECTRICAL WORK SPECIFIED PRIOR TO SUBMITTING BID. NOTIFY THE ARCHITECT AND THE OWNER OF ANY DISCREPANCIES.
- THE E.C. IS TO SIZE THE ELECTRICAL SERVICE PER THE HOUSES REQUIRED DEMANDS AND TO CONFORM TO THE LOCAL UTILITY COMPANY REQUIREMENTS. THE E.C. IS TO ARRANGE FOR AND PAY ALL FEES TO OBTAIN ELECTRICAL SERVICE FROM UTILITY COMPANY.
- ELECTRICAL LAYOUT IS TO BE BY E.C. COORDINATE LIGHT FIXTURE LOCATIONS WITH OWNER.
- ALL ELECTRICAL FIXTURES AND EQUIPMENT IS TO BEAR THE UNDERWRITER'S LABORATORY (UL) LABELS.
- ALL LIGHT FIXTURES ARE TO BE SELECTED AND PURCHASED DIRECTLY BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- THE E.C. IS TO INSTALL INITIAL LAMPING OF ALL NEW LIGHT FIXTURES AND PROVIDE REQUIRED LAMPS OF ALL LIGHT FIXTURES SPECIFIED.
- SERVICE PANEL, BOARDS AND SUB PANELS TO BE MANUFACTURED BY SQUARE 'D', GENERAL ELECTRIC, WESTINGHOUSE OR AN APPROVED EQUAL. PANEL BOARDS TO HAVE NUMBER AND SIZE OF CIRCUIT BREAKERS AS REQUIRED PER THE HOUSES REQUIREMENTS.
- INSTALL GROUND FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLES IN KITCHENS, LET AREAS AND WERE REQUIRED BY CODE.
- INSTALL ARC-FAULT CIRCUIT INTERRUPTER (AFCI) CIRCUIT BREAKERS WERE REQUIRED BY CODE.
- THE E.C. IS TO FILL IN PANEL DIRECTORIES FOR ALL PANELS TO CONFORM TO FINAL ARRANGEMENT OF CIRCUITS.
- MINIMUM WIRE SIZE TO BE # 14 AWG FOR 15A CIRCUITS AND A MINIMUM OF # 12 AWG FOR 20A CIRCUITS. SIZE OTHER CONDUCTORS FOR DEMAND OF SPECIFIC APPLIANCE OR USE.
- ALL FEEDER CONDUCTORS TO BE TYPE THHN 600V 120 VOLT RATED COPPER. ALL BRANCH CIRCUIT CONDUCTORS TO BE TYPE THW 600 VOLT RATED COPPER.
- ALL FEEDER WIRING TO BE NON METALLIC (NM) SHEATHING CONDUCTORS, OR AS REQUIRED BY NEC.
- THE E.C. IS TO COORDINATE ELECTRICAL CONNECTIONS WITH ALL OTHER TRADES SUPPLYING ELECTRICAL EQUIPMENT UNDER THEIR CONTRACTS.
- PROVIDE ALL HIGH AND LOW V