

**HOWARD COUNTY DEPARTMENT OF INSPECTIONS,
LICENSES AND PERMITS
ON-LINE PLAN DROP OFF**

To: Plan Review Division

From: Adam Carballo
(Name)
Carballo Architecture
(Company)

Telephone #: 443-963-1077 Email address info@carballoarch.com

Permit Site Address 7641 Greendell Ln

Permit Number: B22002692

Application On-Line File Date: 7/14/22

The above referenced permit was applied for online and the drawings are being dropped off for review and approval. These drawings represent the proposed work as outlined on the on-line application. I understand that this Department will not be responsible for any lost plans or documents. It is understood that if any changes to the design or construction of this project is made, revised plans will be submitted prior to any work commencement.


Signature of Authorized Agent

For Office Use Only

Accepted by (initials): MP on 7-22-22
(Date)

Received by Plan Review (initials):

RECEIVED

JUL 22 2022

LICENSES & PERMITS
DIVISION



**Carballo
Architecture**

Subject Property:

7461 GREENDALE LN

Scope of work:

SFD/ CONSTRUCT A 51'-0" X 56'-0" GARAGE USED FOR STORAGE OF ADDITIONAL FAMILY VEHICLES
WITH A SECOND FLOOR USED FOR ADDITIONAL STORAGE

Sincerely,

Adam Carballo, Architect
Carballo Architecture, LLC
1816 Aliceanna Street
Baltimore, MD 21231
adam@carballoarch.com
443-963-1077 office

RECEIVED

JUL 22 2022

LICENSES & PERMITS
DIVISION

2018 IECC CODE COMPLIANCE

| | | | |
|----------|--|----------|---|
| R401.1 | CLIMATE ZONE 4A COMPLIANCE METHOD | R402.4.4 | ROOMS CONTAINING FUEL-BURNING APPLIANCES WHERE OPEN COMBUSTION AIR DUCTS PROVIDE COMBUSTION AIR TO OPEN COMBUSTION FUEL BURNING APPLIANCES, THE APPLIANCES AND COMBUSTION AIR SHALL BE LOCATED OUTSIDE THE BUILDING THERMAL ENVELOPE OR ENCLOSED IN A ROOM ISOLATED FROM INSIDE THE THERMAL ENVELOPE. EXCEPTIONS: 1. DIRECT VENT APPLIANCES WITH BOTH INTAKE AND EXHAUST PIPES INSTALLED CONT TO THE OUTSIDE. 2. FIREPLACES AND STOVES COMPLYING WITH SECTION R402.4.2 AND SECTION R1006 OF THE IRC. |
| R401.2 | MANDATORY AND PRESCRIPTIVE PROVISIONS VAPOR RETARDER WALL ASSEMBLIES IN THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH VAPOR RETARDER REQS OF SECTION R702.7 OF THE IRC, 2015 EA. | R402.4.5 | RECESSED LIGHTING, RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO THE LOWEST AIR LEAKAGE TIGHTNESS PERMITTED BY THE MANUFACTURER'S LISTING. ALL DWELLING UNITS SHALL HAVE AT LEAST ONE (1) PROGRAMMABLE THERMOSTAT FOR EACH SEPARATE HEATING AND COOLING SYSTEM AS PER 2015 IECC SECTION 403.1.1 WHERE A HEAT PUMP SYSTEM HAVING SUPPLEMENTARY ELECTRIC RESISTANCE HEAT IS USED THE THERMOSTAT SHALL PREVENT THE SUPPLEMENTARY HEAT FROM COMING ON WHEN HEAT PUMP CAN MEET HEATING LOAD. |
| R402.1.1 | AT TIC INSULATION = R-49 RAISED HEEL TRUSSES = R-38 WOOD FRAME WALL R-20 OR R-13 PLUS R6 CONT INSUL. BASEMENT WALL INSULATION: R-13 / R-10 FOIL FACED CONT. UNWATERPROOFED BATT'S FULL HEIGHT GRAV. SPACE WALL INSUL. R-13/R-10 FOIL FACED CONT. BATT'S FULL HEIGHT | R403.1.1 | TIGHTNESS HOMES AND SHALL BE VERIFIED BY EITHER A POST CONSTRUCTION TEST OR A ROUGH IN TEST. DUCT TIGHTNESS TEST IS NOT REQUIRED IF THE AIR HANDLER AND ALL DUCTS ARE LOCATED WITHIN CONDITIONED SPACE. |
| R402.1.2 | EXTENDING FROM FLOOR ABOVE TO FINISH GRADE LEVEL AND THEN VERT OR HORT AN ADDITIONAL 2'-0" FLOOR INSULATION OVER UNCONDITIONED SPACE = R-19 BATT INSUL. WINDOW U-VALUE: (SHGC = .35 (U-VALUE) 46 (SHGC) SLAB ON GRADE FLOORS LESS THAN 12" BELOW GRADE: R-16 RIGID FOAM BOARD UNDER SLAB EXTENDING EITHER 2'-0" HORT / VERT. AT TIC ACCESS SCUTTLE WILL BE WEATHERSTRIPPED AND INSULATED R-49 BUILDING THERMAL ENVELOPE (AIR LEAKAGE) EXTERIOR WALLS AND PENETRATIONS WILL BE SEALED PER THIS SECTION OF THE 2018 IECC WITH CAULK, GASKETS, WEATHER STRIPPING OR AN AIR BARRIER OF SUITABLE MATERIAL. SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW SEALING FOR DIFFERENTIAL EXPANSION AND CONTRACTION. BUILDING ENVELOPE TIGHTNESS TEST: BUILDING ENVELOPE SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 3 AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 779 OR ASTM E 1827 WITH (BLOWER DOOR) AT A PRESSURE OF 0.2 INCHES WG (53 PASCALS). TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE BUILDING INSPECTOR. FIREPLACES NEW WOOD BURNING FIREPLACES WILL HAVE TIGHT-FITTING FLUE DAMPERS OR DOORS, AND OUTDOOR COMBUSTION AIR FIREPLACE DOORS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 127 (FACTORY BUILT FIREPLACE) AND UL907 (MASONRY FIREPLACE). | R403.1.2 | MECHANICAL VENTILATION OUTDOOR, MAKE UP AND EXHAUST, AIR DUCTS TO BE PROVIDED WITH AUTOMATIC OR GRAVITY DAMPER THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING. WHOLE HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICIENCY TO COMPLY WITH TABLE R403.3.1 EQUIPMENT SIZING SHALL COMPLY WITH R403.7 LIGHTING EQUIPMENT A MINIMUM OF 75% OF ALL LAMPS (LIGHTS) MUST BE HIGH-EFFICIENCY LAMPS. THIS CONTRACTOR ALSO RESPONSIBLE FOR GENERATING A CERTIFICATE OF COMPLIANCE AND AFFIXING TO ELECTRICAL PANEL OR WITHIN 6 FEET OF THE ELEC PANEL AND BE READILY VISIBLE. |
| R402.2 | R402.2.1 R402.2.2 R402.2.3 R402.2.4 R402.2.5 R402.2.6 R402.2.7 R402.2.8 R402.2.9 R402.2.10 R402.2.11 R402.2.12 R402.2.13 R402.2.14 R402.2.15 R402.2.16 R402.2.17 R402.2.18 R402.2.19 R402.2.20 R402.2.21 R402.2.22 R402.2.23 R402.2.24 R402.2.25 R402.2.26 R402.2.27 R402.2.28 R402.2.29 R402.2.30 R402.2.31 R402.2.32 R402.2.33 R402.2.34 R402.2.35 R402.2.36 R402.2.37 R402.2.38 R402.2.39 R402.2.40 R402.2.41 R402.2.42 R402.2.43 R402.2.44 R402.2.45 R402.2.46 R402.2.47 R402.2.48 R402.2.49 R402.2.50 R402.2.51 R402.2.52 R402.2.53 R402.2.54 R402.2.55 R402.2.56 R402.2.57 R402.2.58 R402.2.59 R402.2.60 R402.2.61 R402.2.62 R402.2.63 R402.2.64 R402.2.65 R402.2.66 R402.2.67 R402.2.68 R402.2.69 R402.2.70 R402.2.71 R402.2.72 R402.2.73 R402.2.74 R402.2.75 R402.2.76 R402.2.77 R402.2.78 R402.2.79 R402.2.80 R402.2.81 R402.2.82 R402.2.83 R402.2.84 R402.2.85 R402.2.86 R402.2.87 R402.2.88 R402.2.89 R402.2.90 R402.2.91 R402.2.92 R402.2.93 R402.2.94 R402.2.95 R402.2.96 R402.2.97 R402.2.98 R402.2.99 R402.2.100 | R403.3 | R403.3.1 R403.3.2 R403.3.3 R403.3.4 R403.3.5 R403.3.6 R403.3.7 R403.3.8 R403.3.9 R403.3.10 R403.3.11 R403.3.12 R403.3.13 R403.3.14 R403.3.15 R403.3.16 R403.3.17 R403.3.18 R403.3.19 R403.3.20 R403.3.21 R403.3.22 R403.3.23 R403.3.24 R403.3.25 R403.3.26 R403.3.27 R403.3.28 R403.3.29 R403.3.30 R403.3.31 R403.3.32 R403.3.33 R403.3.34 R403.3.35 R403.3.36 R403.3.37 R403.3.38 R403.3.39 R403.3.40 R403.3.41 R403.3.42 R403.3.43 R403.3.44 R403.3.45 R403.3.46 R403.3.47 R403.3.48 R403.3.49 R403.3.50 R403.3.51 R403.3.52 R403.3.53 R403.3.54 R403.3.55 R403.3.56 R403.3.57 R403.3.58 R403.3.59 R403.3.60 R403.3.61 R403.3.62 R403.3.63 R403.3.64 R403.3.65 R403.3.66 R403.3.67 R403.3.68 R403.3.69 R403.3.70 R403.3.71 R403.3.72 R403.3.73 R403.3.74 R403.3.75 R403.3.76 R403.3.77 R403.3.78 R403.3.79 R403.3.80 R403.3.81 R403.3.82 R403.3.83 R403.3.84 R403.3.85 R403.3.86 R403.3.87 R403.3.88 R403.3.89 R403.3.90 R403.3.91 R403.3.92 R403.3.93 R403.3.94 R403.3.95 R403.3.96 R403.3.97 R403.3.98 R403.3.99 R403.3.100 |

APPLICABLE CODES

- BUILDING CODES**
- 2021 International Building Code
- Residential construction for 1 & 2 family dwellings
- 2021 International Residential Code
- Energy Efficiency-commercial or residential occupancy
- 2021 International Energy Conservation Code
- Mechanical Work**
- 2021 International Mechanical Code, COMAR 09.15.01.00
- Electrical Work**
- NFPA 70 National Electrical Code, 2014 Edition
- Plumbing Work**
- 2021 National Standard Plumbing Code
- Fuel gas systems and gas-fired appliances
- 2012 National Fuel Gas Code
- Accessibility**
- Maryland Accessibility Code, COMAR 05.02.02
- Fire Prevention Code**
- 2015 NFPA

DRAWING LIST

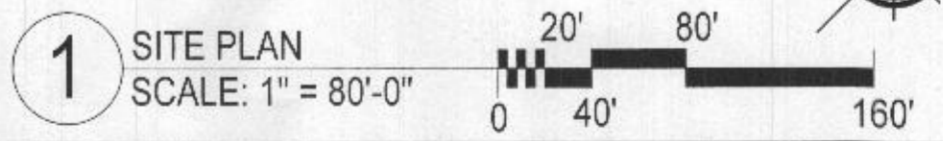
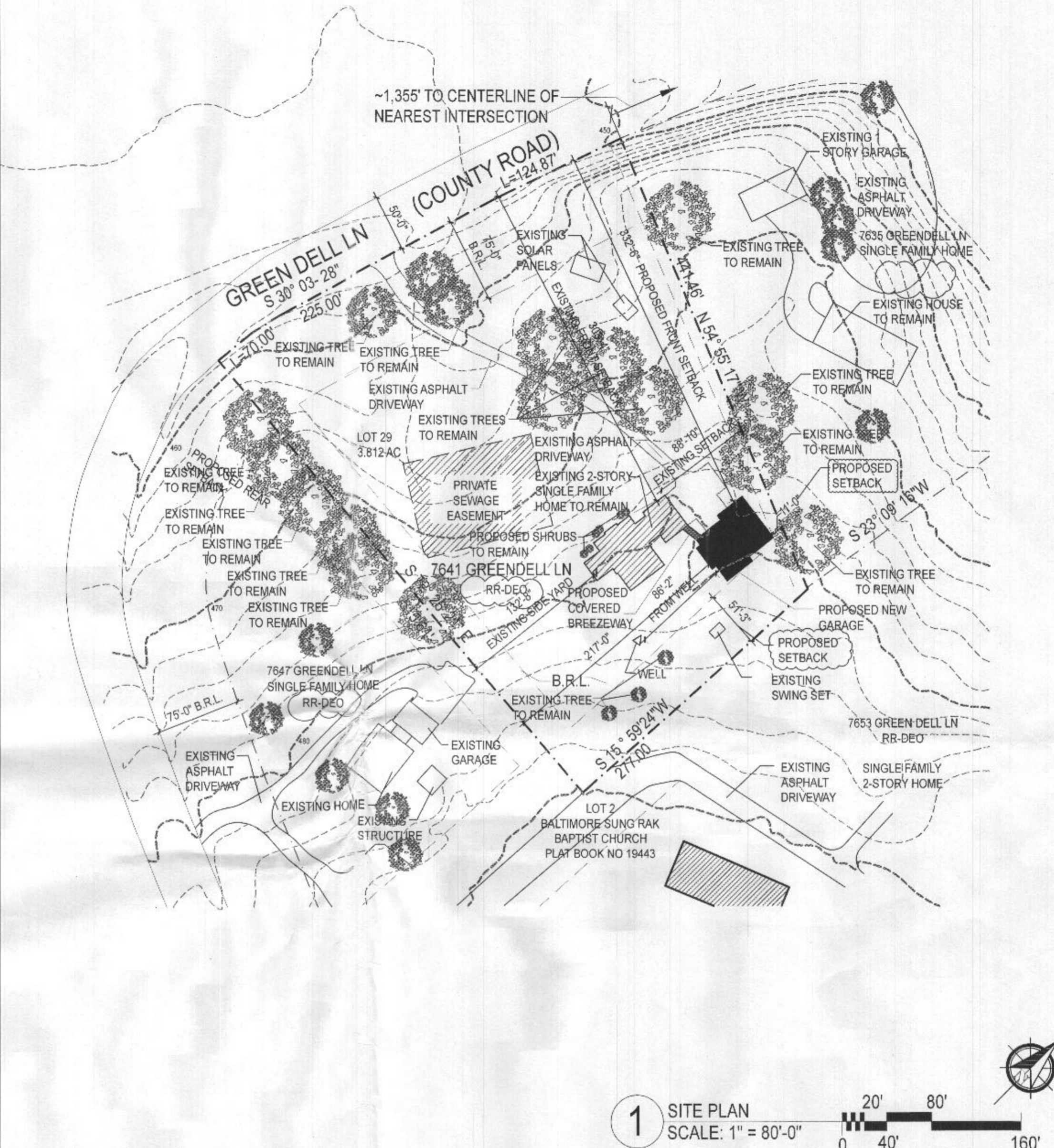
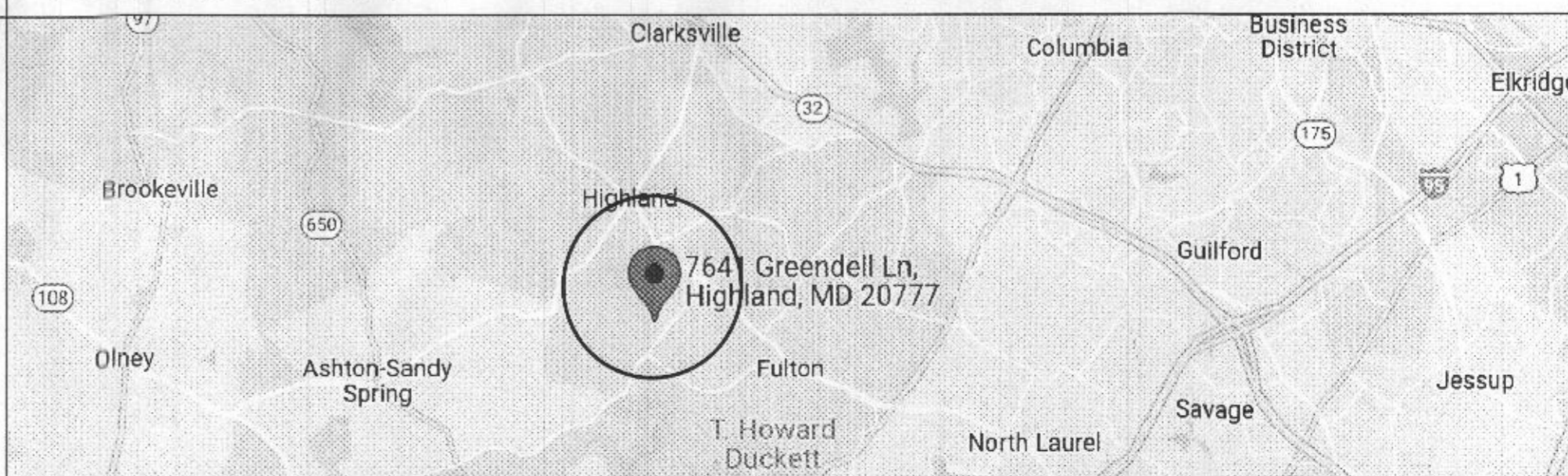
- 0000-G=G1 TITLE SHEET & SITE PLAN
- 0001-S=S1 FOUNDATION PLAN
- 0002-S=S2 SECOND FLOOR FRAMING PLAN
- 0003-S=S3 ROOF FRAMING PLAN
- 0004-A=A1 FIRST FLOOR PLAN
- 0005-A=A2 SECOND FLOOR PLAN
- 0006-A=A3 ROOF PLAN
- 0007-A=A4 ELEVATIONS
- 0008-A=A5 ELEVATIONS
- 0009-A=A6 BUILDING SECTION
- 0010-A=A7 TYPICAL DETAILS

7641 GREENDELL LN HIGHLAND, MD 20777 ATTACHED GARAGE

LEGEND

- NOT IN SCOPE
- NEW GARAGE

LOCATION PLAN



CONSTRUCTION TYPE :
Type 5A - Wd Framed Ext Wall,
Unprotected

IBC USE GROUP :
Type R-3 (Single Family Dwelling)

7641 GREENDELL- SITE PLAN
DISTRICT 05 - ACCOUNT NO. - 398959

PATIO AND DECK CONSTRUCTION - SINGLE FAMILY HOME
SCALE : 1" = 40'-0"

OWNERSHIP :
MICHAEL BOTELER

OWNERSHIP ADDRESS :
7641 GREENDALE LN
HIGHLAND, MD 20777

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME,
AND THAT I AM A DULY LICENSED
ARCHITECT UNDER THE LAWS OF THE
STATE OF MARYLAND, LICENSE NUMBER
15709, EXPIRATION DATE 3/27/2023.

CONTRACT DOCUMENTS HAVE BEEN
PREPARED BY A LICENSED ARCHITECT
FOR BOTH ARCHITECTURE &
STRUCTURAL DESIGN, MD Lic # 15709.



CLIENT
MIKE BOTELER

ADAM CARBALLO, ARCHITECT
MD LIC# 15709
443-745-1100

0000-G=G1
TITLE SHEET & SITE PLAN
7641 GREENDELL LN
JOB # 20-030
FEBRUARY 2022



PROFESSIONAL CERTIFICATE
 STATE OF MARYLAND
 ADAM CARBALLO, ARCHITECT
 LICENSE NO. 12121
 EXPIRES 12/31/2023
 PREPARED BY A LICENSED ARCHITECT
 FOR ARCHITECTURAL DESIGN

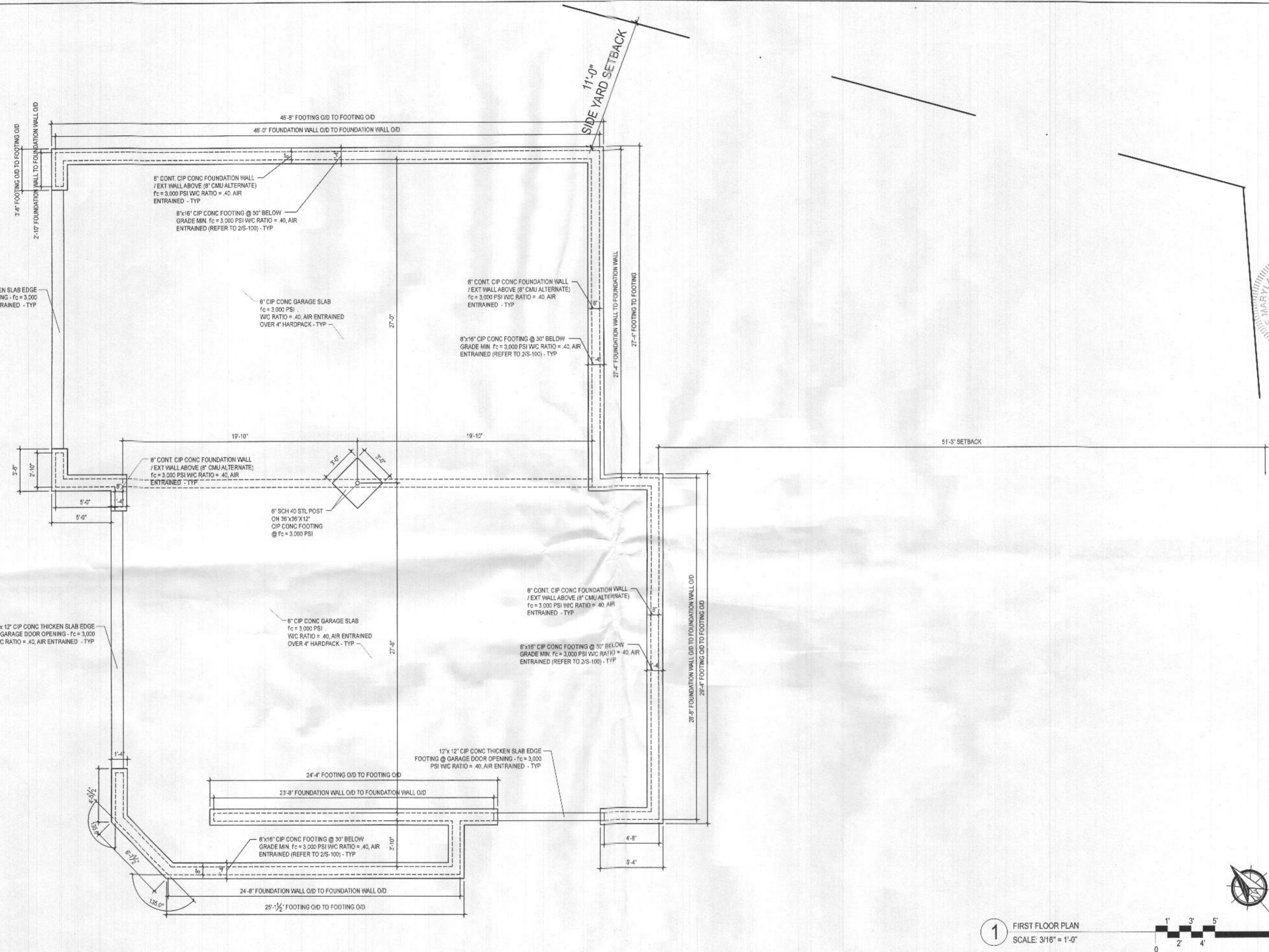
REVISIONS
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 12/12/2020 - ASC



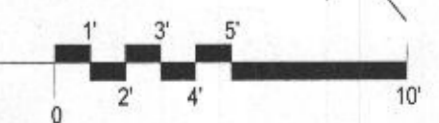
CLIENT
 MR. MIKE BOTELER

CARBALLO ARCHITECTURE, LLC
 1816 ALCEANNA ST. BALTIMORE, MD 21221
 ADAM CARBALLO, ARCHITECT
 443-982-1077

0001-S=S1
 FOUNDATION PLAN
 7641 GREENDELL LANE
 JOB # 20-030
 FEBRUARY 2021



1 FIRST FLOOR PLAN
 SCALE: 3/16" = 1'-0"



LEGEND

- NOT IN SCOPE
- DEMO PARTITION
- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- NEW 2-hr FIRE RATED PARTITION UL DESIGN No. U301

GENERAL NOTES

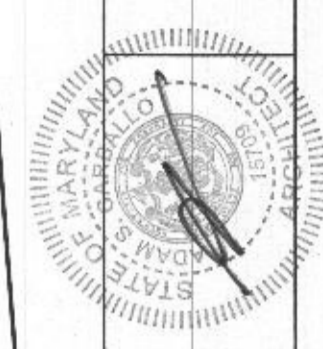
- DO NOT SCALE DRAWINGS.
- CONTRACTOR IS RESPONSIBLE FOR PULLING ALL PERMITS AND PAYING ANY ASSOCIATIVE FEES.
- CONTRACTOR SHALL COMPLY WITH ALL HEALTH AND LIFE SAFETY REQUIREMENTS AS DIRECTED BY HOWARD COUNTY AND THE STATE OF MARYLAND.
- INTERIOR FINISHES ARE CLIENT'S CHOICE
- INTERIOR LIGHTING SELECTION ARE CLIENT'S CHOICE
- DOOR TYPE SYMBOL $\text{36}''$ DENOTES DOOR WIDTH, DOOR STYLE CLIENT'S CHOICE. ALL DOORS ARE 6'-8" IN HEIGHT.



PROFESSIONAL CERTIFICATION:
 THESE DRAWINGS OR APPROVAL BY ME
 INDICATES THAT I AM A LICENSED ARCHITECT
 IN THE STATE OF MARYLAND UNDER THE
 ARCHITECTURE ACT OF 1968, AS AMENDED.
 I HAVE EXAMINED THESE DRAWINGS AND
 THEY COMPLY WITH THE REQUIREMENTS OF
 THE ACT.
 STATE OF MARYLAND
 DEPARTMENT OF GENERAL SERVICES
 OFFICE OF THE STATE ARCHITECT
 100 CALVERT STREET, SUITE 200
 BALTIMORE, MD 21202
 TEL: 410-326-7000
 FAX: 410-326-7001
 E-MAIL: STATEARCH@DGS.STATE.MD.US

REVISIONS
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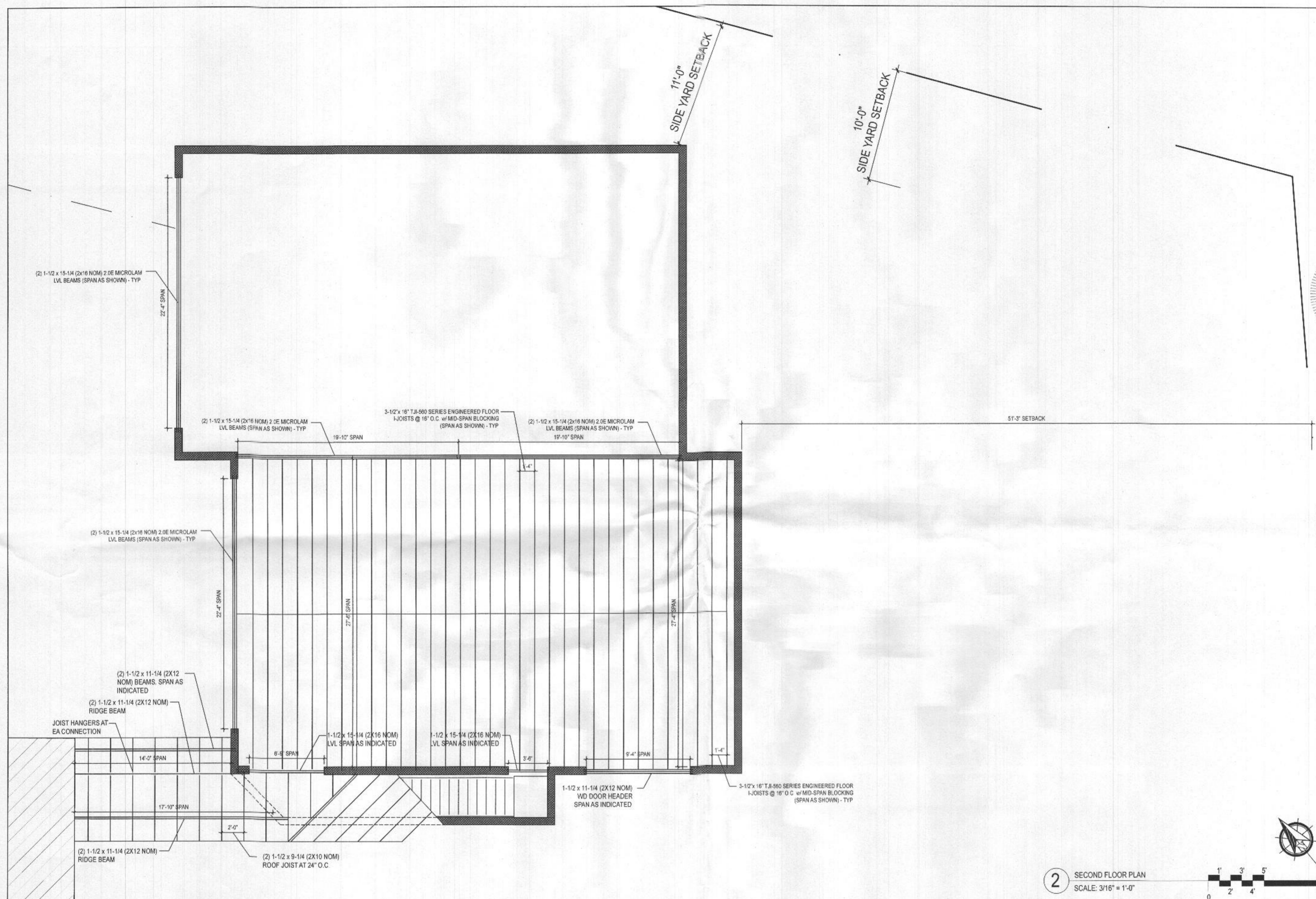
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 12/12/2020 - ASC



CLIENT
 MR. MIKE BOTELER

CARBALLO ARCHITECTURE, LLC
 816 ALCEANNA ST BALTIMORE, MD 21231
 MD LIC# 15709
 443-983-1077

0002-S-S2
 SECOND FLOOR FRAMING PLAN
 7641 GREENDELL LANE
 JOB # 20-030
 FEBRUARY 2021



2 SECOND FLOOR PLAN
 SCALE: 3/16" = 1'-0"

| SECOND FLOOR AREA | LEGEND | GENERAL NOTES |
|-------------------|---|--|
| 1,220 SF | NOT IN SCOPE DEMO PARTITION EXISTING PARTITION TO REMAIN NEW PARTITION NEW 2-hr FIRE RATED PARTITION UL DESIGN No. U301 | - DO NOT SCALE DRAWINGS. - CONTRACTOR IS RESPONSIBLE FOR PULLING ALL PERMITS AND PAYING ANY ASSOCIATIVE FEES. - CONTRACTOR SHALL COMPLY WITH ALL HEALTH AND LIFE SAFETY REQUIREMENTS AS DIRECTED BY HOWARD COUNTY AND THE STATE OF MARYLAND. - INTERIOR FINISHES ARE CLIENT'S CHOICE - INTERIOR LIGHTING SELECTION ARE CLIENT'S CHOICE - DOOR TYPE SYMBOL 36" DENOTES DOOR WIDTH, DOOR STYLE CLIENT'S CHOICE. ALL DOORS ARE 6'-8" IN HEIGHT. |



PROFESSIONAL CERTIFICATION
 I, THE UNDERSIGNED, AM A LICENSED ARCHITECT IN THE STATE OF MARYLAND, LICENSE NUMBER 12121
 I HAVE PREPARED OR APPROVED BY ME THE DRAWING HEREON FOR THE PROJECT AND I AM AWARE OF THE PENALTIES FOR VIOLATION OF THE ARCHITECTURE ACT OF 1968, AS AMENDED, AND THE REGULATIONS THEREUNDER.

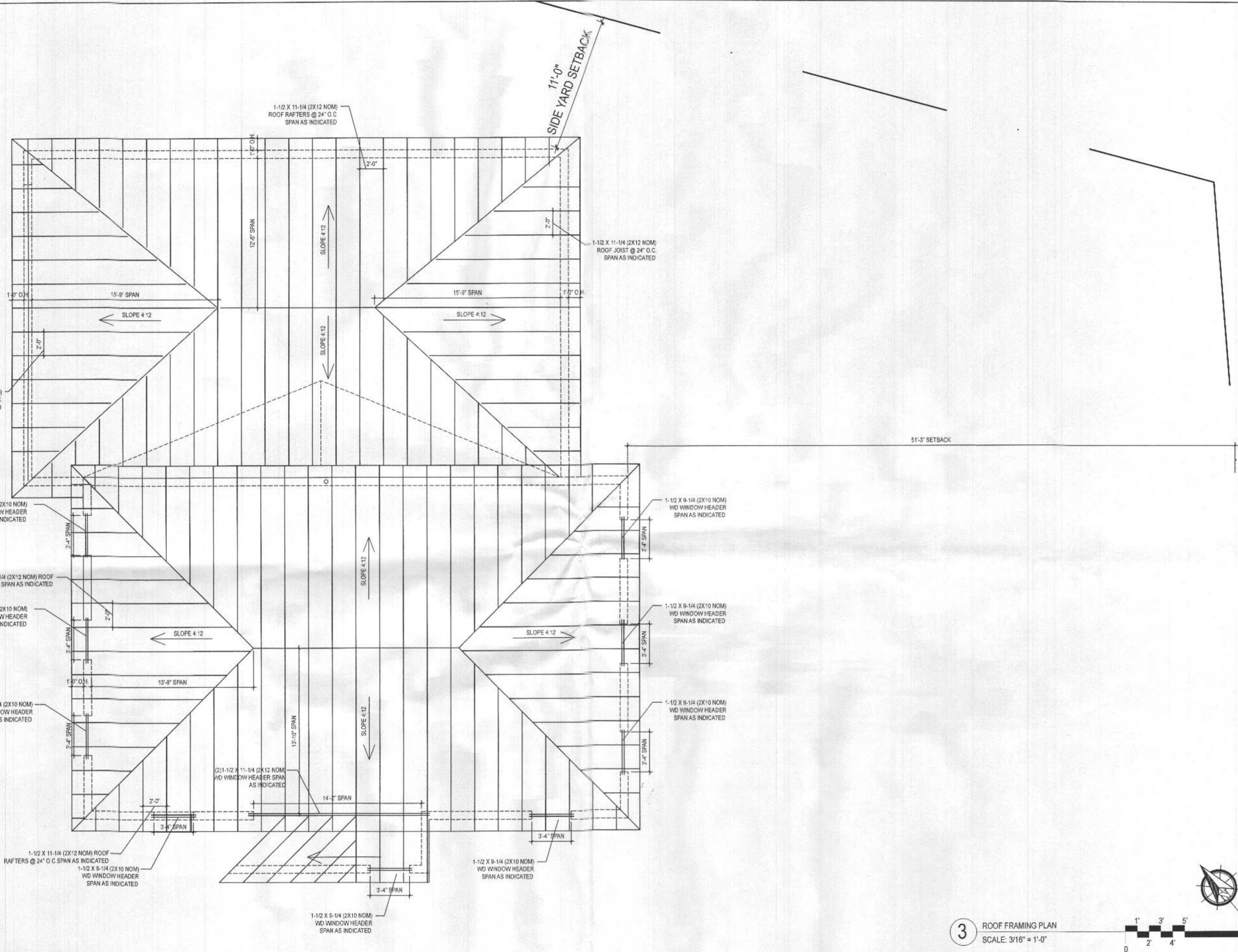
REVISIONS
 1. 12/12/2020 - ASC

DRAWN BY
 12/12/2020 - ASC

CLIENT
 MR. MIKE BOTELER

CARBALLO ARCHITECTURE, LLC
 1816 ALCEANNA ST. BALTIMORE, MD 21231
 ADAM CARBALLO, ARCHITECT
 443-963-1071

0003-S-S3
 ROOF FRAMING PLAN
 7641 GREENDELL LANE
 JOB # 20130
 FEBRUARY 2021



3 ROOF FRAMING PLAN
 SCALE: 3/16" = 1'-0"

| SECOND FLOOR AREA | LEGEND | GENERAL NOTES |
|-------------------|---|--|
| 1,220 SF | NOT IN SCOPE DEMO PARTITION EXISTING PARTITION TO REMAIN NEW PARTITION NEW 2-hr FIRE RATED PARTITION UL DESIGN No. U301 | <ul style="list-style-type: none"> - DO NOT SCALE DRAWINGS. - CONTRACTOR IS RESPONSIBLE FOR PULLING ALL PERMITS AND PAYING ANY ASSOCIATIVE FEES. - CONTRACTOR SHALL COMPLY WITH ALL HEALTH AND LIFE SAFETY REQUIREMENTS AS DIRECTED BY HOWARD COUNTY AND THE STATE OF MARYLAND. - INTERIOR FINISHES ARE CLIENT'S CHOICE - INTERIOR LIGHTING SELECTION ARE CLIENT'S CHOICE - DOOR TYPE SYMBOL $\text{\textcircled{36}}$ DENOTES DOOR WIDTH, DOOR STYLE CLIENT'S CHOICE. ALL DOORS ARE 6'-8" IN HEIGHT. |

