## ABBREVIATIONS

| | |
|---|---|
| ADD'L | ADDITIONAL |
| ADJ | ADJUSTABLE |
| AFF | ABOVE FINISH FLOOR |
| ALT | ALTERNATE |
| ALUM | ALUMINUM |
| APPL | APPLICABLE |
| AMP | AMPERE |
| APPROX | APPROXIMATELY |
| ARCH | ARCHITECTURAL |
| ACT | ACOUSTICAL CEILING TILE |
| BD | BOARD |
| BLDG | BUILDING |
| BLKG | BLOCKING |
| B.O. | BOTTOM OF |
| BOT | BOTTOM |
| BRG | BEARING |
| BTWN | BETWEEN |
| CFM | CUBIC FEET PER MINUTE |
| CJ | CONTROL JOINT |
| CLG | CEILING |
| CL | CLOSET |
| CLR | CLEAR(ANCE) |
| CMU | CONCRETE MASONRY UNIT |
| COL | COLUMN |
| COMM | COMMUNICATION |
| CONC | CONCRETE |
| CONF | CONFERENCE |
| CONST | CONSTRUCTION |
| COORD | COORDINATE(ION) |
| CORR | CORRIDOR |
| CPT | CARPET |
| CT | CERAMIC TILE |
| DBL | DOUBLE |
| DEMO | DEMOLITION |
| DF | DRINKING FOUNTAIN |
| DIA | DIAMETER |
| DIM | DIMENSION |
| DN | DOWN |
| DOWNLTS | DOWNLIGHTS |
| DR | DOOR |
| DWG | DRAWING |
| EA | EACH |
| EJ | EXPANSION JOINT |
| EL | ELEVATION |
| ELEC | ELECTRIC(AL) |
| ELEV | ELEVATOR |
| EQUIP | EQUIPMENT |
| ETR | EXISTING TO REMAIN |
| EW | EACH WAY |
| EWC | ELECTRIC WATER COOLER |
| EXH | EXHAUST |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EXT | EXTERIOR |
| FA | FIRE ALARM |
| FC | FLOOR COVERING |
| FE | FIRE EXTINGUISHER |
| FEC | FIRE EXTINGUISHER CABINET |
| FHVC | FIRE HOSE VALVE CABINET |
| FIN | FINISH |
| FLR | FLOOR(ING) |
| FLUOR | FLUORESCENT |
| F.O. | FACE OF |
| FR | FIRE RATING |
| FRM | FRAME |
| FT | FOOT(FEET) |
| GA | GAUGE |
| GAL | GALLON |
| GEN | GENERATOR |
| GFI | GROUND FAULT INTERRUPTER |
| GL | GLASS, GLAZING |
| GWB | GYPSUM WALL BOARD |
| GC | GENERAL CONTRACTOR |
| HC | HOLLOW CORE |
| HCMV | HOLLOW CORE MASONITE VENEER |
| HCWV | HOLLOW CORE WOOD VENEER |
| HM | HOLLOW METAL |
| HORIZ | HORIZONTAL |
| HVAC | HEATING, VENTILATING AND AIR CONDITIONING |
| HW | HOT WATER |
| HT | HEIGHT |
| HR | HOUR |
| IN | INCH |
| INS | INSULATED/INSULATION |
| INT | INTERIOR |
| JAN | JANITOR |
| JT | JOINT |
| J-BOX | JUNCTION BOX |
| KD | KNOCKDOWN |
| KO | KNOCKOUT |
| KV | KILOVOLT |
| KVA | KILOVOLT-AMPERES |
| KW | KILOWATT |
| LB | POUND |
| LF | LINEAR FEET |
| LH | LEFT HAND |
| LTG | LIGHTING |
| LTS | LIGHTS |
| M | MARBLE |
| MAS | MASONRY |
| MAT'L | MATERIAL |
| MAX | MAXIMUM |
| MEMB | MEMBRANE |
| MFG | MANUFACTURER |
| MICRO | MICROWAVE |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MO | MASONRY OPENING |
| MR | MOISTURE RESISTANT |
| MTD | MOUNTED |
| MTL | METAL |
| MECH | MECHANICAL |
| MEZZ | MEZZANINE |
| N | NORTH |
| NIC | NOT IN CONTRACT |
| NO | NUMBER |
| NTS | NOT TO SCALE |
| OC | ON CENTER(S) |
| OFF | OFFICE |
| OPNG | OPENING |
| OPP | OPPOSITE |
| PCF | POUNDS PER CUBIC FOOT |
| PLAM | PLASTIC LAMINATE |
| PLYWD | PLYWOOD |
| PL | PLATE |
| PNL | PANEL |
| POL | POLISHED |
| PSF | POUNDS PER SQUARE FOOT |
| PTD | PAINTED |
| PS | PULL STATION |
| PWR | POWER |
| PT | PRESSURE TREATED |
| QTY | QUANTITY |
| RAD | RADIUS |
| REC | RECEPTACLE |
| REF | REFRIGERATOR |
| REINF | REINFORCE(ING) |
| REQ'D | REQUIRED |
| RES | RESILIENT |
| REV | REVISION(S), REVISED |
| RH | RIGHT HAND |
| RM | ROOM |
| RO | ROUGH OPENING |
| SC | SOLID CORE |
| SCWV | SOLID CORE WOOD VENEER |
| SD | SMOKE DETECTOR |
| SECT | SECTION |
| SEC'Y | SECRETARY |
| SIM | SIMILAR |
| SPECS | SPECIFICATIONS |
| SF | SQUARE FEET |
| STD | STAINED |
| STC | SOUND TRANSMISSION COEFFICIENT |
| STL | STEEL |
| STOR | STORAGE |
| SYM | SYMMETRICAL |
| SS | STAINLESS STEEL |
| TEL | TELEPHONE |
| TEMP | TEMPERATURE |
| THK | THICK(NESS) |
| TYE | TO MATCH EXISTING |
| T.O. | TOP OF |
| TRANS | TRANSITION |
| TYP | TYPICAL |
| UL | UNDERWRITER'S LABORATORY |
| UNO | UNLESS NOTED OTHERWISE |
| V | VOLTS |
| VCT | VINYL COMPOSITION TILE |
| VEN | VENEER |
| VERT | VERTICAL |
| VEST | VESTIBULE |
| VIF | VERIFY IN FIELD |
| VT | VINYL TILE |
| W | WATTS |
| WC | WALL COVERING |
| WD | WOOD |
| WS | WET STACK |
| WT | WEIGHT |
| W/ | WITH |
| WH | WATER HEATER |
| YD | YARD |

## GENERAL NOTES

1. GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY IN THE DOCUMENTS OR EXISTING CONDITIONS. WORK THAT PROCEEDS WITHOUT NOTIFYING THE ARCHITECT IS AT THE CONTRACTOR'S OWN RISK.
2. BEFORE COMMENCEMENT OF ANY WORK THAT CHANGES THE CONTRACT SUM OR CONTRACT TIME, WRITTEN AUTHORIZATION MUST BE OBTAINED FROM THE ARCHITECT. WORK THAT PROCEEDS WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT IS AT THE CONTRACTOR'S OWN RISK.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL WORK, THIS INCLUDES BUT IS NOT LIMITED TO:
   a). PRE-BID SITE VISIT FOR VERIFICATION OF EXISTING CONDITIONS.
   b). FIELD DIMENSIONS AS REQUIRED
   c). CONCEALMENT OF MECHANICAL/ELECTRICAL SERVICES BEHIND BUILDING FINISHES UNLESS NOTED OTHERWISE.
   d). ALL MEANS AND METHODS
4. CONSTRUCTION SHALL CONFORM TO ALL CODES AND REGULATIONS HAVING JURISDICTION FOR THIS PROJECT.
5. THE MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS SHALL BE UPDATED AS REQUIRED. GENERAL CONTRACTOR SHALL PROVIDE PROPOSALS AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ARCHITECT AND OWNER.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL NECESSARY PERMITS ARE OBTAINED PRIOR TO PROCEEDING. WORK THAT PROCEEDS WITHOUT A PERMIT IS AT THE CONTRACTOR'S RISK.

# STEINBERG-KUHN RESIDENCE II

## 1524 30TH STREET, NW
## WASHINGTON, DC 20007

## GENERAL DATA

| | |
|---|---|
| ADDRESS: | 1524 30TH STREET NW, WASHINGTON, DC 20007 |
| LOCATION: | QUADRANT NW / SQUARE 1269 / LOT 0364 |
| PROPOSED USE: | SINGLE FAMILY RESIDENTIAL |
| ZONING DISTRICT: | R-20 |
| OVERLAY DISTRICT: | GEORGETOWN HISTORIC DISTRICT |
| BZA / ZC NUMBER: | |
| NO. DWELLING UNITS: | EXISTING: 1 / PROPOSED: 1 |
| NO. PARKING SPACES: | EXISTING: 0 / PROPOSED: 0 |
| LEFT YARD SETBACK: | EXISTING: 0 FEET / PROPOSED: 0 FEET |
| RIGHT YARD SETBACK: | EXISTING: 30.5 FEET / PROPOSED: 30.5 FEET |
| REAR YARD SETBACK: | EXISTING: 56 FEET / PROPOSED: 40 FEET |
| NO. OF STORIES: | EXISTING: 3 / PROPOSED: 3 |
| BUILDING HEIGHT: | EXISTING: 34.5 FEET / PROPOSED: 34.5 FEET |
| LOT AREA (LA): | EXISTING: 7200 SQUARE FEET / PROPOSED: 7200 SQUARE FEET |
| GROSS FLOOR AREA (GFA): | EXISTING: 4740 SQUARE FEET / PROPOSED: 4871 SQUARE FEET |
| FAR (GFA / LA): | EXISTING: .658 / PROPOSED: .677 |
| BUILDING AREA (BA): | EXISTING: 1921.5 SQUARE FEET / PROPOSED: 2117.7 SQUARE FEET |
| LOT OCCUPANCY (BA / LA) | EXISTING: 26.7% / PROPOSED: 29.4% |

## BUILDING CODES

DC: IRC 2012, TITLE 12 DCMR, DC CONSTRUCTION CODES SUPPLEMENT (2013)

## PROJECT TEAM


GENERAL CONTRACTOR:

ZANTZINGER

RICHARD ZANTZINGER

5141 MAC ARTHUR BLVD NW
WASHINGTON, DC 20016

TELE: (202) 363-8501

STRUCTURAL ENGINEER:

1200 ARCHITECTURAL ENGINEERS

CHRIS COBB

210 N LEE ST, STE 210
ALEXANDRIA, VA 22314

TELE: (703) 350-4151


## FULL DRAWING INDEX



1929


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FAX: 202.337.0609


DISTRICT OF COLUMBIA · ANTHONY S. BARNES · 11/2/2014 · REGISTERED ARCHITECT

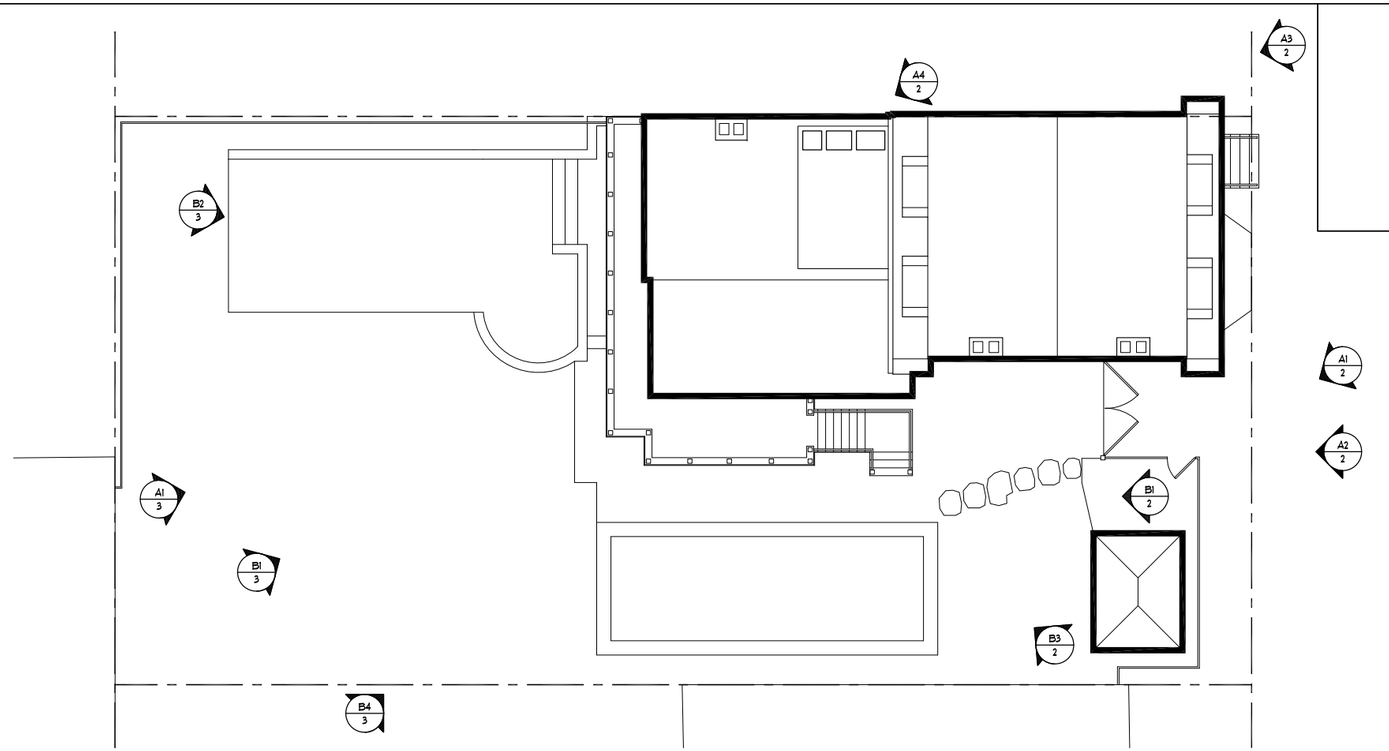
STEINBERG-KUHN RESIDENCE II
1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: COVER SHEET

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

C0


A1 / OGB.1 PROJECT LOCATION AND VICINITY MAP
NOT TO SCALE




A2 / OGB.1 EXISTING SITE PLAN AND VIEW LEGEND
NOT TO SCALE

A4 / 3


C1 / OGB.1 EXISTING 30TH ST FRONT ELEVATION
NOT TO SCALE

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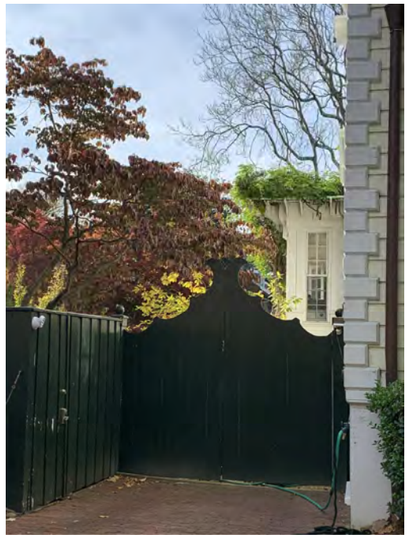
REGISTERED
ARCHITECT

**STEINBERG-KUHN RESIDENCE II**
1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: PROJECT LOCATION

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

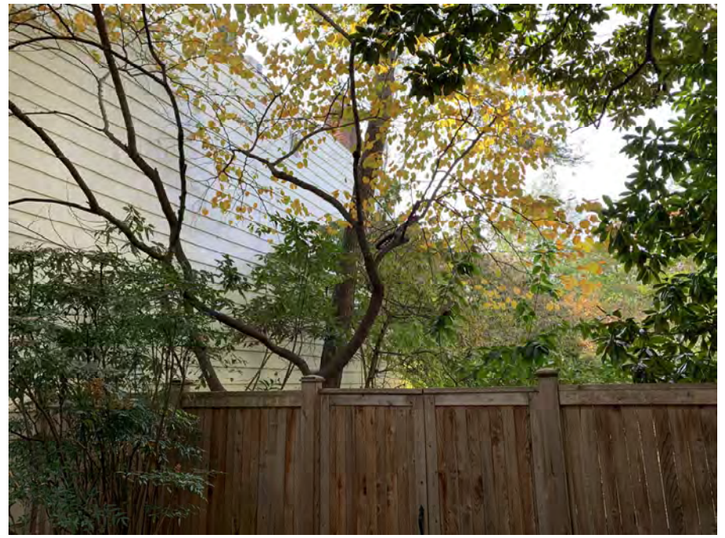
OGB.1



A1 OBG2 SITE PHOTO
NOT TO SCALE

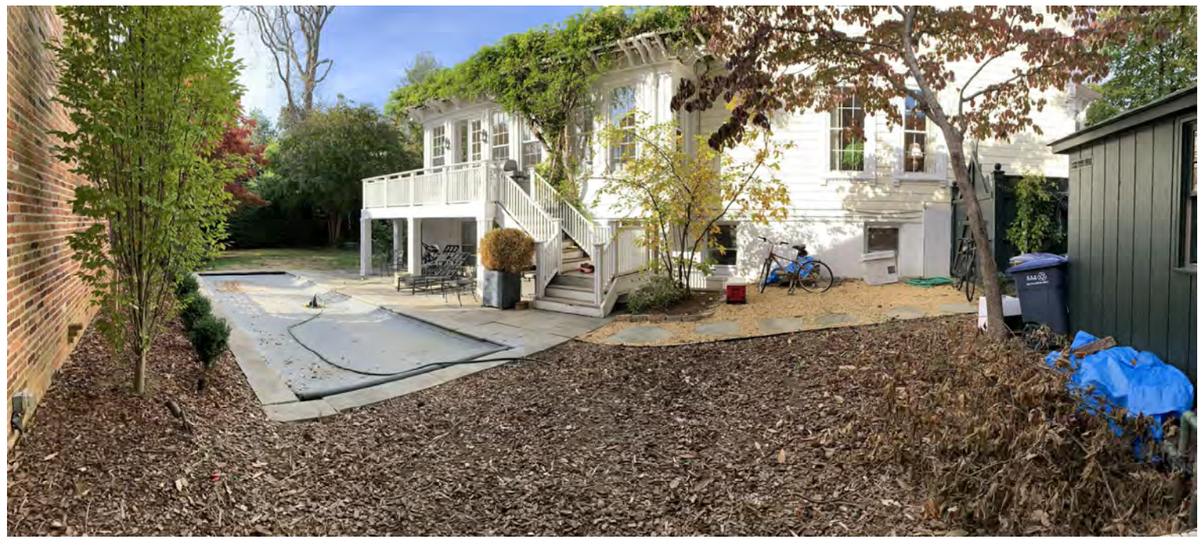
A2 OBG2 SITE PHOTO
NOT TO SCALE

A3 OBG2 SITE PHOTO
NOT TO SCALE



A4 OBG2 SITE PHOTO
NOT TO SCALE


B1 OBG2 SITE PHOTO
NOT TO SCALE



B3 OBG2 SITE PHOTO
NOT TO SCALE

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**STEINBERG-KUHN**
**RESIDENCE II**
1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: SITE PHOTOS

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

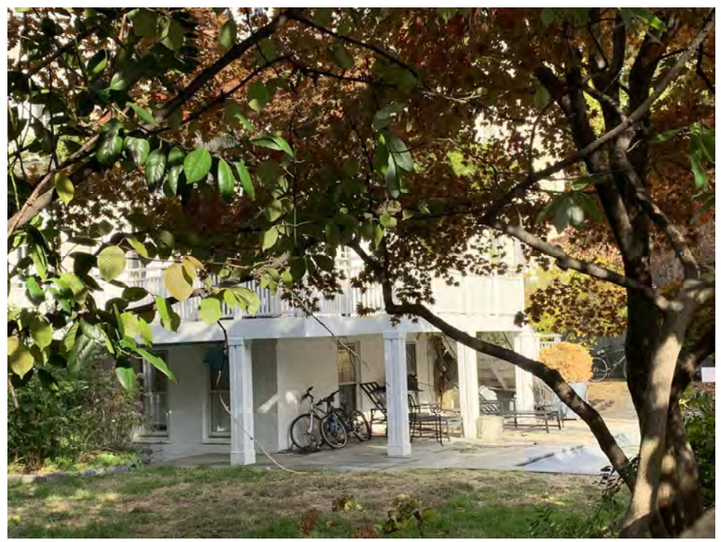
OGB.2

A1 / OGB3 SITE PHOTO
NOT TO SCALE

A4 / OGB3 SITE PHOTO
NOT TO SCALE

B1 / OGB3 SITE PHOTO
NOT TO SCALE

B2 / OGB3 SITE PHOTO
NOT TO SCALE



B4 / OGB3 SITE PHOTO
NOT TO SCALE

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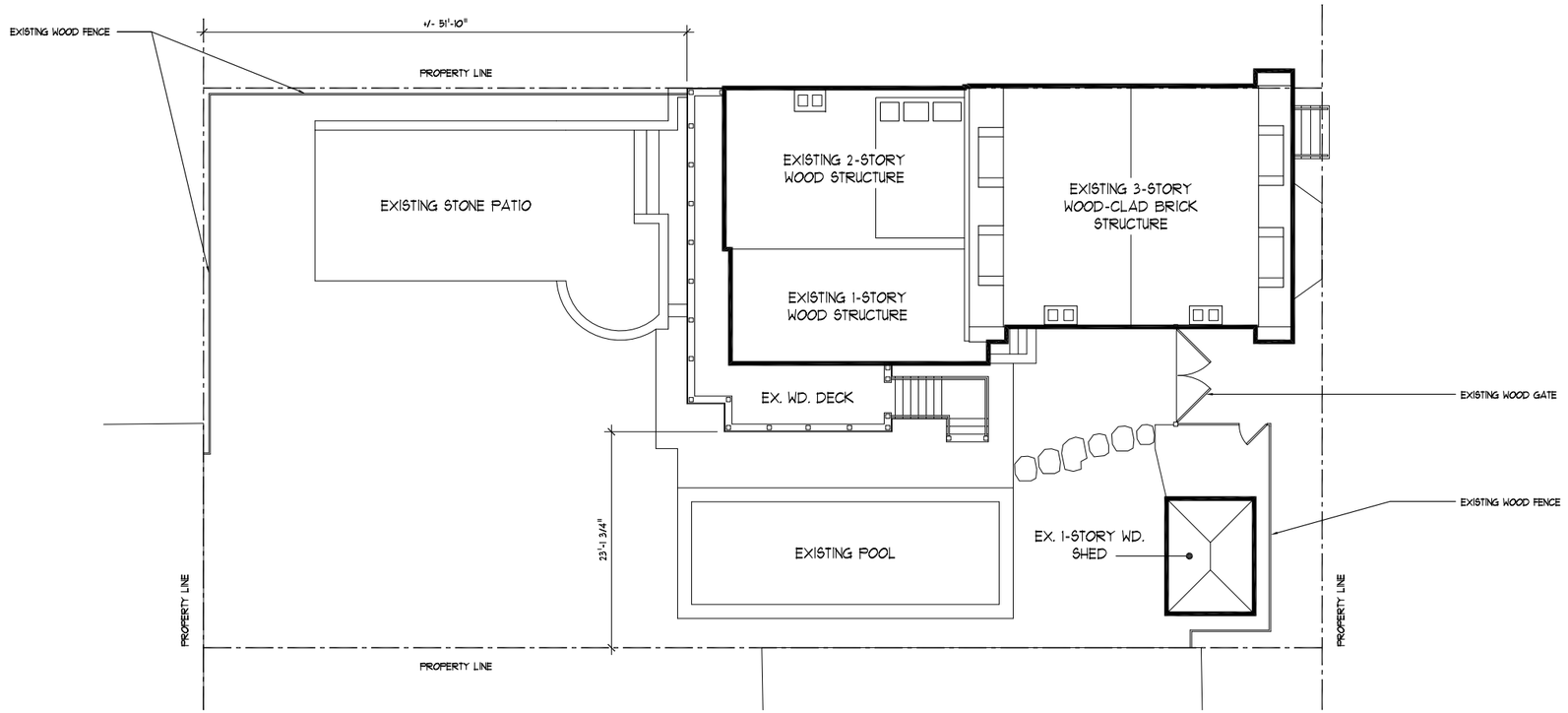
ANTHONY S. BARNES
REGISTERED
ARCHITECT

**STEINBERG-KUHN RESIDENCE II**
1524 30TH STREET, NW
WASHINGTON, DC 20007

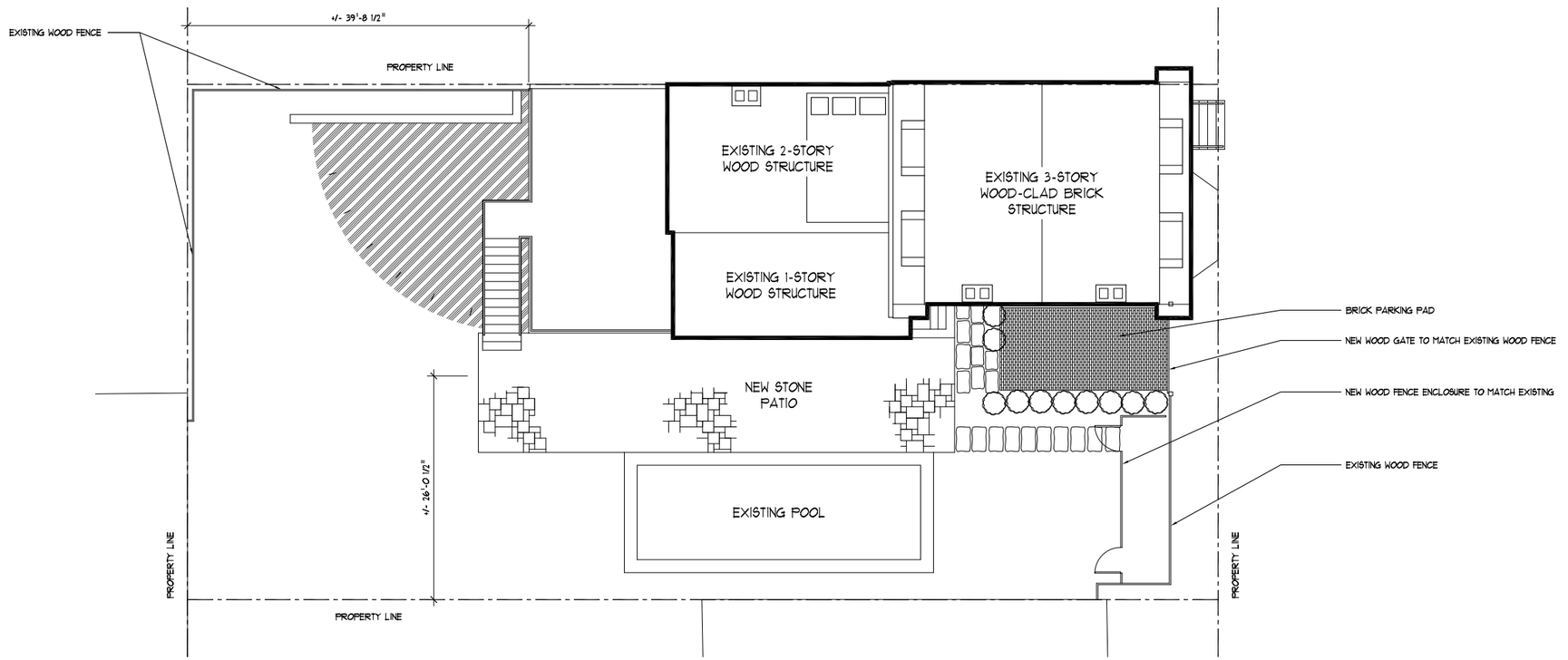
| DRAWING: SITE PHOTOS | |
|---|---|
| ISSUED: | |
| 01/14/2020 | EXTERIOR PERMIT SET |
| 01/24/2020 | REVISED EXTERIOR PERMIT SET |

OGB.3




A1 / OGB.4 EXISTING SITE PLAN

1/16" = 1'-0" WHEN PRINTED AT 11"x17"
1/8" = 1'-0" WHEN PRINTED AT 22"x36"




C1 / OGB.4 PROPOSED SITE PLAN

1/16" = 1'-0" WHEN PRINTED AT 11"x17"
1/8" = 1'-0" WHEN PRINTED AT 22"x36"

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ANTHONY S. BARNES
REGISTERED
ARCHITECT

**STEINBERG-KUHN RESIDENCE II**
1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: EXISTING AND PROPOSED SITE PLANS

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

OGB.4

| Window # | Model/ Size | Type | Material | Finish Interior | Finish Exterior | Code Notes | Notes |
|---|---|---|---|---|---|---|---|
| **Lower Level** | | | | | | | |
| 001 | 2'-4" x 4'-8 1/2" | Traditional Double-Hung | Wood | PTD | PTD | | Size to match existing adjacent |
| 002 | 2'-4" x 4'-8 1/2" | Traditional Double-Hung | Wood | PTD | PTD | | Size to match existing adjacent |
| **First Floor** | | | | | | | |
| 101 | 4'-1" x 6'-3 3/4" | Traditional Double-Hung | Wood | PTD | PTD | | Fixed: To match existing adjacent |

**GENERAL NOTES:** SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

1 See Specifications for window Allowances, if any.
2 Windows are based on Marvin Ultimate Wood Series. Windows shall be wood - as noted.
3 Windows and exterior doors shall be provided by the same manufacturer.
4 Head height of windows shall match head height of exterior doors, unless noted otherwise.
5 Contractor is responsible for coordinating required jamb depths and for providing jamb extensions where necessary for wall thicknesses shown.

**WINDOW DESCRIPTION:**

1 Window exteriors shall be standard Western Pine, factory-primed, and field-painted - as noted in schedule.
2 Window interiors shall be standard Western Pine, factory primed, and field-painted - as noted in schedule.
3 Interior and exterior casing and brickmould shall match existing.
4 Window sills shall be painted wood to match existing.
5 Glass shall be clear, double-pane insulating, argon-filled, low "E" glass. Safety glazing where required by code.
6 Grilles shall be simulated divided lites, width to match existing, with black spacer bar.
7 Grille and glazing bead profile shall match existing.
8 All windows shall be installed with manufacturer's standard screens. Screen frames shall be white. Screens shall be charcoal high transparency.
9 All window details, including casing and muntin style, shall match existing.

**HARDWARE NOTES:**

1 For Double-Hung windows provide standard sash lock.
2 All exposed hardware shall be metal finish to match existing adjacent, unless noted otherwise.
3 Provide samples of all hardware for Architect and Owner review and approval prior to fabrication.

B1 / A1.1 WINDOW SCHEDULE
N.T.S.

| Door | Size | Type | Material | Finish Interior | Finish Exterior | Sill | Screen Door | Notes |
|---|---|---|---|---|---|---|---|---|
| **Lower Level** | | | | | | | | |
| 001 | 2'-10" x 6'-8" | A | Wood | PTD | PTD | Bronze Interlock | No | All glass door w/ muntins, match adjacent existing door |
| 002 | (2) 3'-0" x 6'-8" | B | Wood | PTD | PTD | Wood | - | |
| 003 | NOT USED | - | - | - | - | - | - | |
| 004 | (2) 2'-6" x 6'-8" | A | Wood | PTD | PTD | Aluminum | No | |
| 005 | (2) 2'-6" x 6'-8" | A | Wood | PTD | PTD | Aluminum | No | |

**DOOR TYPE LEGEND:**

A Exterior door: see elevations for design, lite pattern, and adjacent alignments
B Interior door: 4 panel (see notes below)
C Overhead garage door: see elevations for design and lite pattern
D Protective door between Garage and house, per code
E Existing door to be relocated and reused

**GENERAL NOTES:** SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

1 See Specifications for door Allowances, if any.
3 Patio doors are based on Marvin Swinging French Door series.
6 Windows and exterior doors shall be provided by the same manufacturer.
7 Contractor is responsible for coordinating required jamb depths and for providing jamb extensions where necessary for wall thicknesses shown.

**INTERIOR DOOR DESCRIPTION:**

1 Interior doors shall be solid wood, 1 3/4" thick, 4-panel, panel and sticking to match existing, painted.
2 All details on interior doors, including hardware and casing, shall match existing.
3 All new interior openings that do not receive a door shall still be cased to match the doors, unless noted otherwise on the plans.

**EXTERIOR DOOR DESCRIPTION:**

3 Patio door exteriors shall be standard Western Pine, factory-primed, and field-painted.
4 All glass shall be clear, double-pane insulating, tempered, argon filled, low "E". Safety glazing where required by code.
5 Grilles shall be simulated divided lights, width to match existing adjacent, with black spacer bar.
6 Grille and glazing bead profile shall match existing adjacent.
7 Entrance and swing patio doors shall have custom brass interlocking sills and compressible weatherstripping.
10 All details on exterior doors, including hardware, casing and muntin style, shall match existing.

**HARDWARE NOTES:**

3 Handle at swing patio doors shall match existing adjacent.
5 Swing patio doors shall have a keyed deadbolt.
6 Swing patio doors shall have square corner hinges, finish to match existing.

C1 / A1.1 DOOR SCHEDULE
N.T.S.

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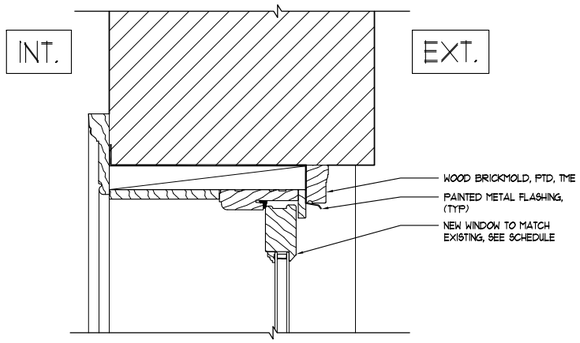
STEINBERG-KUHN RESIDENCE II
1524 30TH STREET, NW
WASHINGTON, DC 20007

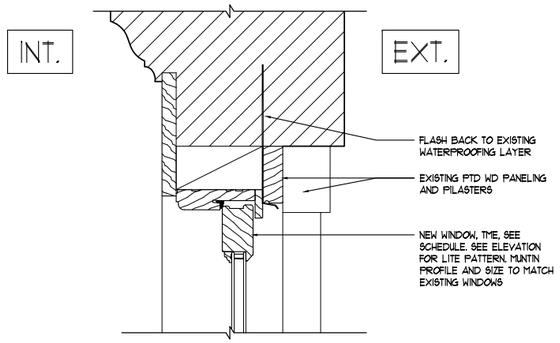
DRAWING: WINDOW AND DOOR SCHEDULES

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/04/2010 | REVISED EXTERIOR PERMIT SET |

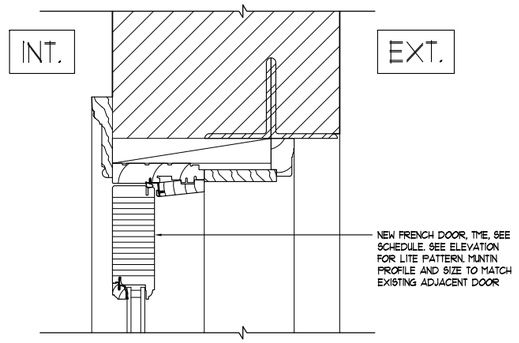
A1.1



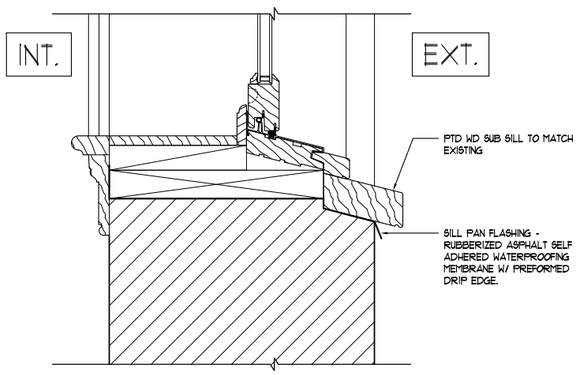

A1 / A1.2 HEAD DETAIL - DOUBLE HUNG IN EXISTING BRICK WALL
N.T.S.



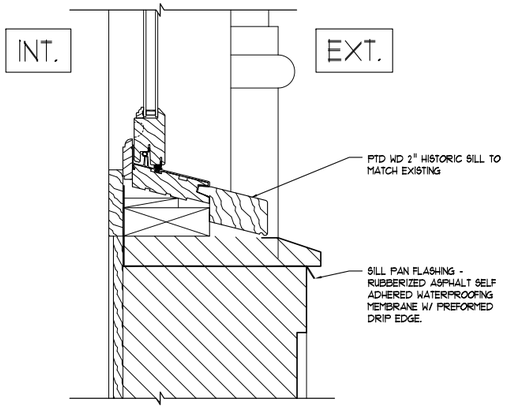

A2 / A1.2 HEAD DETAIL - FIXED DOUBLE HUNG IN EXIST. WOOD WALL
N.T.S.



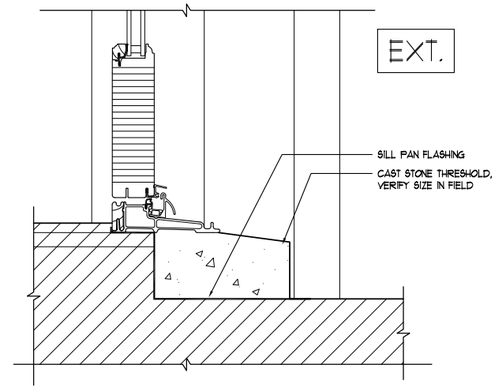

A3 / A1.2 HEAD DETAIL - FRENCH DOOR IN EXISTING BRICK WALL
N.T.S.



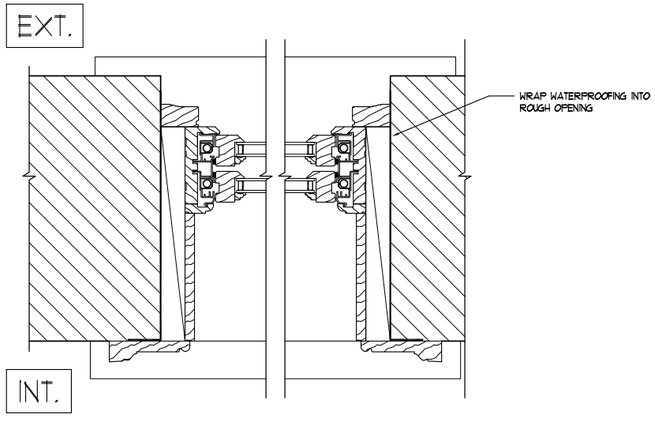

B1 / A1.2 SILL DETAIL - DOUBLE HUNG IN EXISTING BRICK WALL
N.T.S.



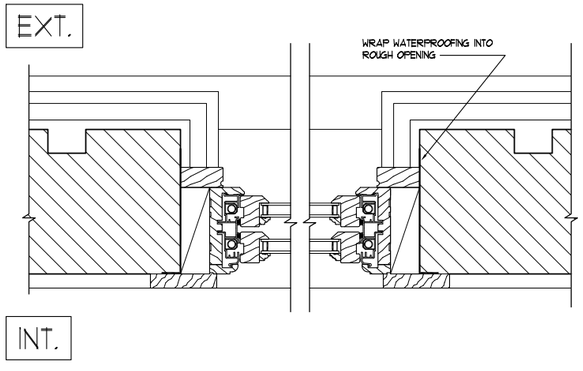

B2 / A1.2 SILL DETAIL - FIXED DOUBLE HUNG IN EXIST. WOOD WALL
N.T.S.



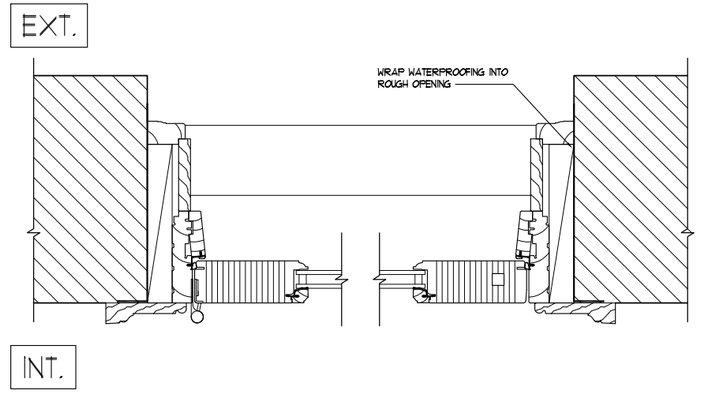

B3 / A1.2 SILL DETAIL - FIXED DOUBLE HUNG IN PANELED WOOD
N.T.S.




C1 / A1.2 JAMB DETAIL - DOUBLE HUNG IN EXISTING BRICK WALL
N.T.S.




C2 / A1.2 JAMB DETAIL - FIXED DOUBLE HUNG IN EXIST. WOOD WALL
N.T.S.




C3 / A1.2 JAMB DETAIL - FIXED DOUBLE HUNG IN PANELED WOOD
N.T.S.

1929

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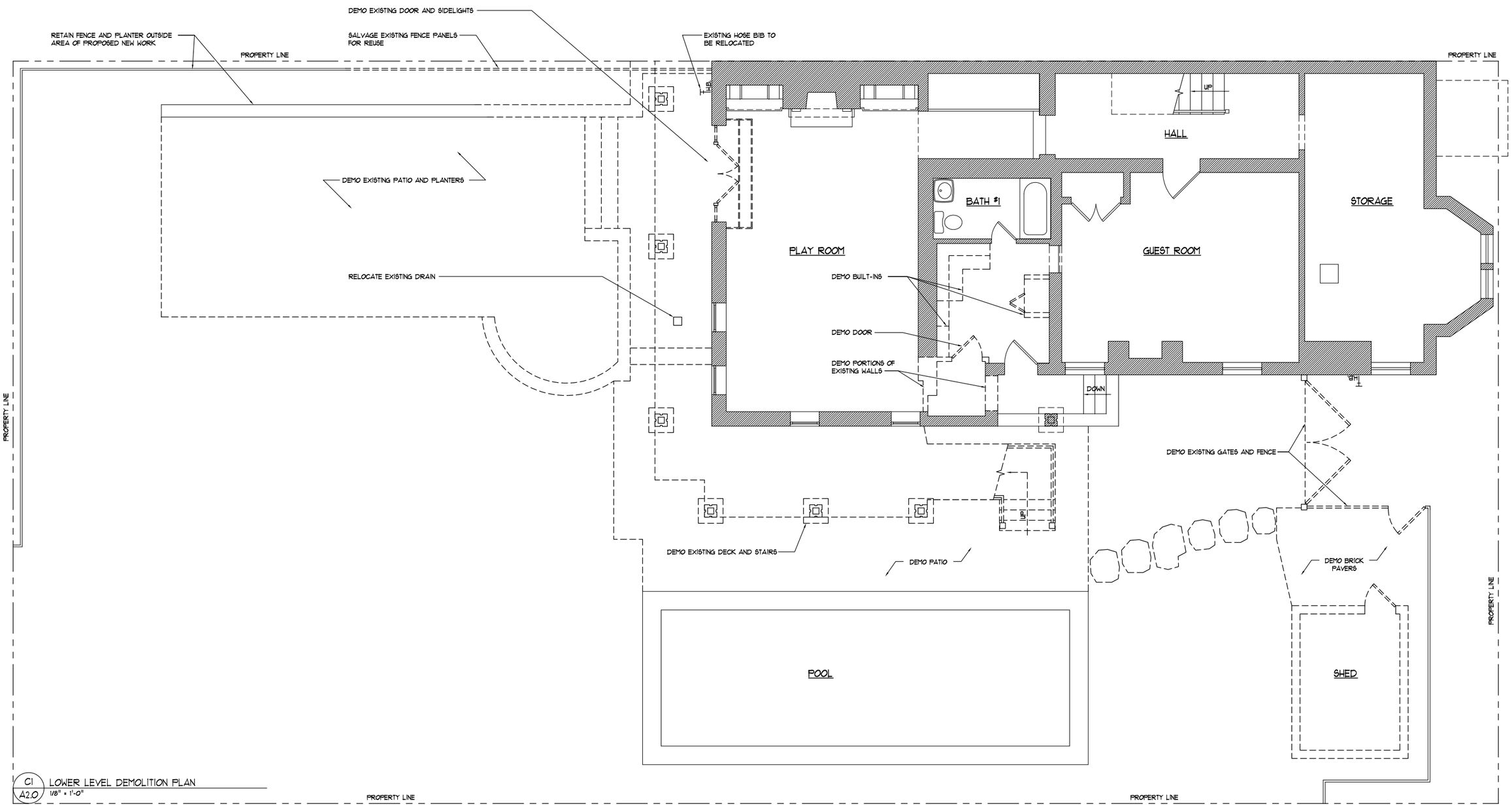
DISTRICT OF COLUMBIA · ANTHONY S. BARNES · 910/3944 · REGISTERED ARCHITECT

**STEINBERG-KUHN RESIDENCE II**
1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: WINDOW AND DOOR DETAILS

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

A1.2




C1 / A2.0 LOWER LEVEL DEMOLITION PLAN
1/8" = 1'-0"

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WASHINGTON, DC 20007

DRAWING: LOWER LEVEL DEMOLITION PLAN

| ISSUED: | |
|---|---|
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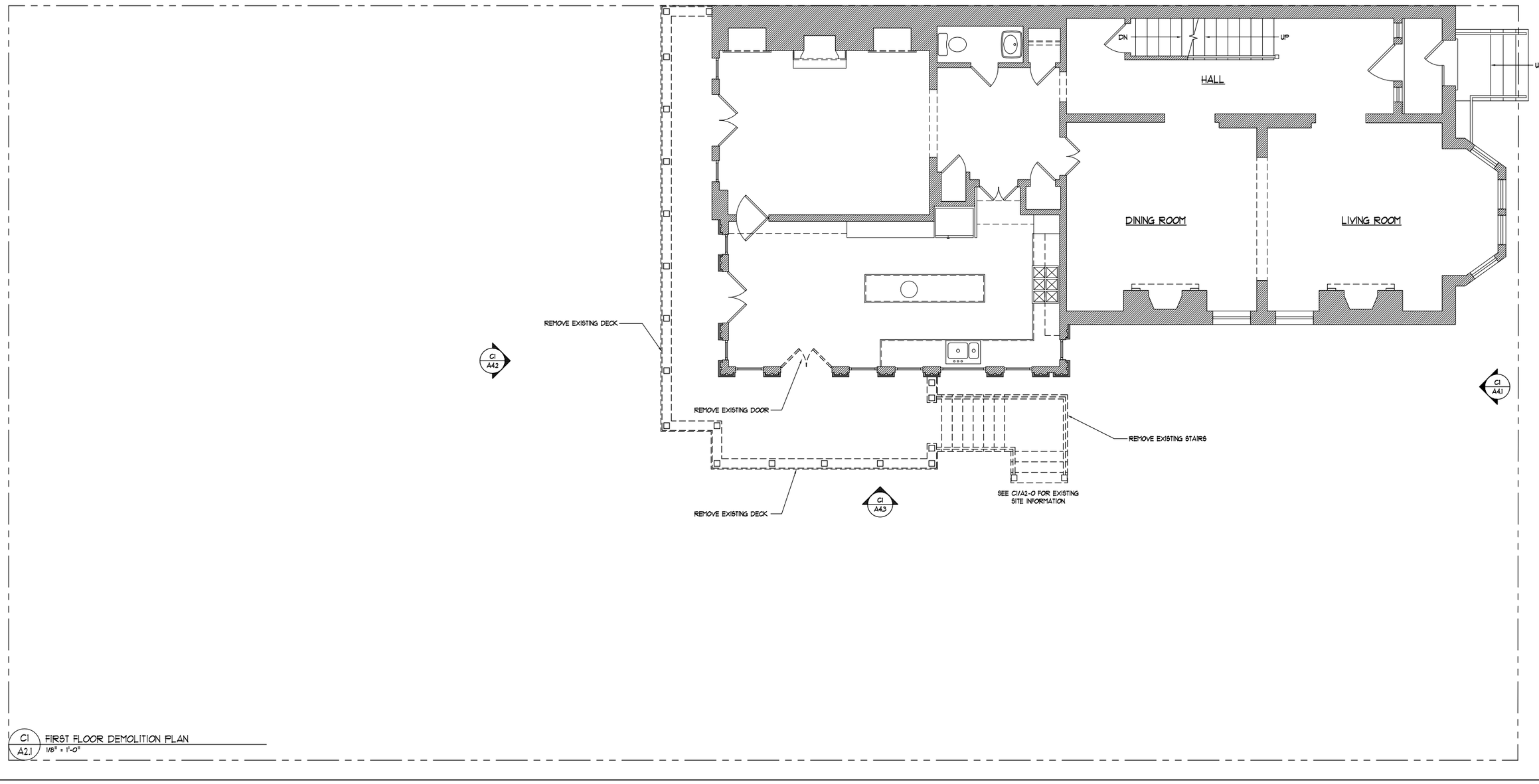
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

A2.0




C1
A2.1
FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

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ANTHONY S. BARNES
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1524 30TH STREET, NW
WASHINGTON, DC 20007

**DRAWING:** FIRST FLOOR DEMOLITION PLAN

| ISSUED: | |
|---|---|
| 01/14/2020 | EXTERIOR PERMIT SET |
| 01/24/2020 | REVISED EXTERIOR PERMIT SET |

A2.1

NORTH

C1 A4.4

RELOCATED HOSE BIB

REUSE EXIST FENCE PANELS

(2) NEW WINDOWS

BRICK AND CMU COMPOSITE WALL

PROPERTY LINE

PROPERTY LINE

3'-0"

STORAGE

005

004

001

DECK ABOVE

REGRADE AS REQUIRED, SLOPE AWAY FROM STRUCTURE

BRICK PIER

STORAGE

C2 A4.1

INFILL AREAWAY TO RAISE GRADE. STORAGE AREA TO BE FLAGSTONE PAVING ON CONCRETE SLAB

C1 A4.1

SLOPE 1/8"/FT

16'-6 3/4"

EXIST. DEN

UP

EXIST. BATH

CLOSET

HALL

002

EXIST. BEDROOM

UP

DOWN

C1 A4.3

D.S.

GH

D.S.

PTD WD LATTICE BETWEEN PIERS

PROPOSED STAIR

NEW HOSE BIB

ONE CAR PARKING

NEW PAVERS

NEW MOTORIZED WOOD SLIDING GATE TO MATCH EXISTING FENCE DESIGN

NEW LINEAR DRAIN, CONNECT TO EXISTING SITE DRAINAGE

PROPSED POOL PATIO

C1 A4.2

TRASH

PROPERTY LINE

PROPERTY LINE

EXISTING POOL

NEW 48" TALL WOOD ENCLOSURE, MATCH EXISTING FENCE

RELOCATED POOL EQUIPMENT

PROPERTY LINE

PROPERTY LINE

A1 A3.0 PROPOSED LOWER LEVEL PLAN

1/4" = 1'-0" WHEN PRINTED AT 22"x36"

~~1/8" = 1'-0" WHEN PRINTED AT 11"x17"~~

1929


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DISTRICT OF COLUMBIA ANTHONY S. BARNES 910/3744 REGISTERED ARCHITECT

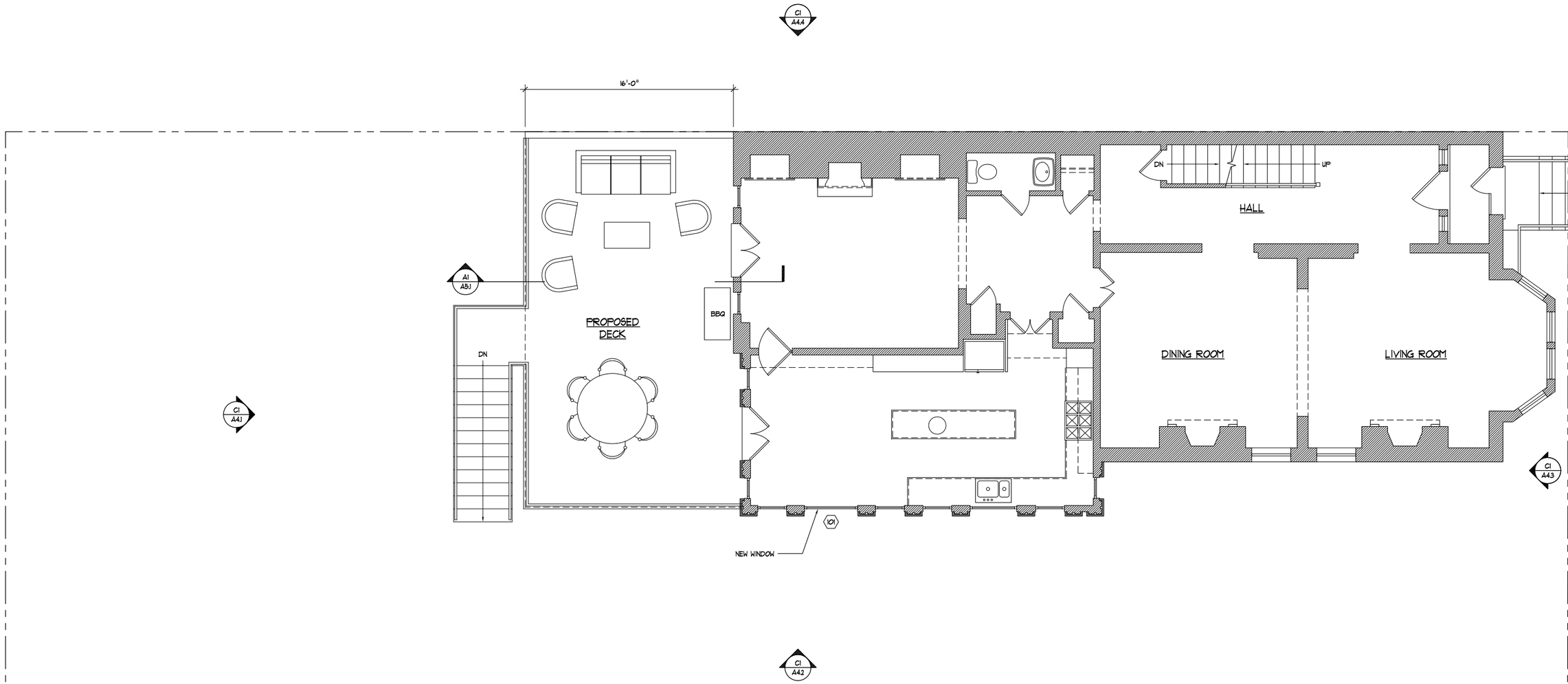
**STEINBERG-KUHN RESIDENCE II**

1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: PROPOSED LOWER LEVEL PLAN

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

A3.0




A1 / A3.1 PROPOSED FIRST FLOOR PLAN

1/4" = 1'-0" WHEN PRINTED AT 22"x36"

~~1/8" = 1'-0" WHEN PRINTED AT 11"x17"~~

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DISTRICT OF COLUMBIA · ANTHONY S. BARNES · REG. 3444 · REGISTERED ARCHITECT

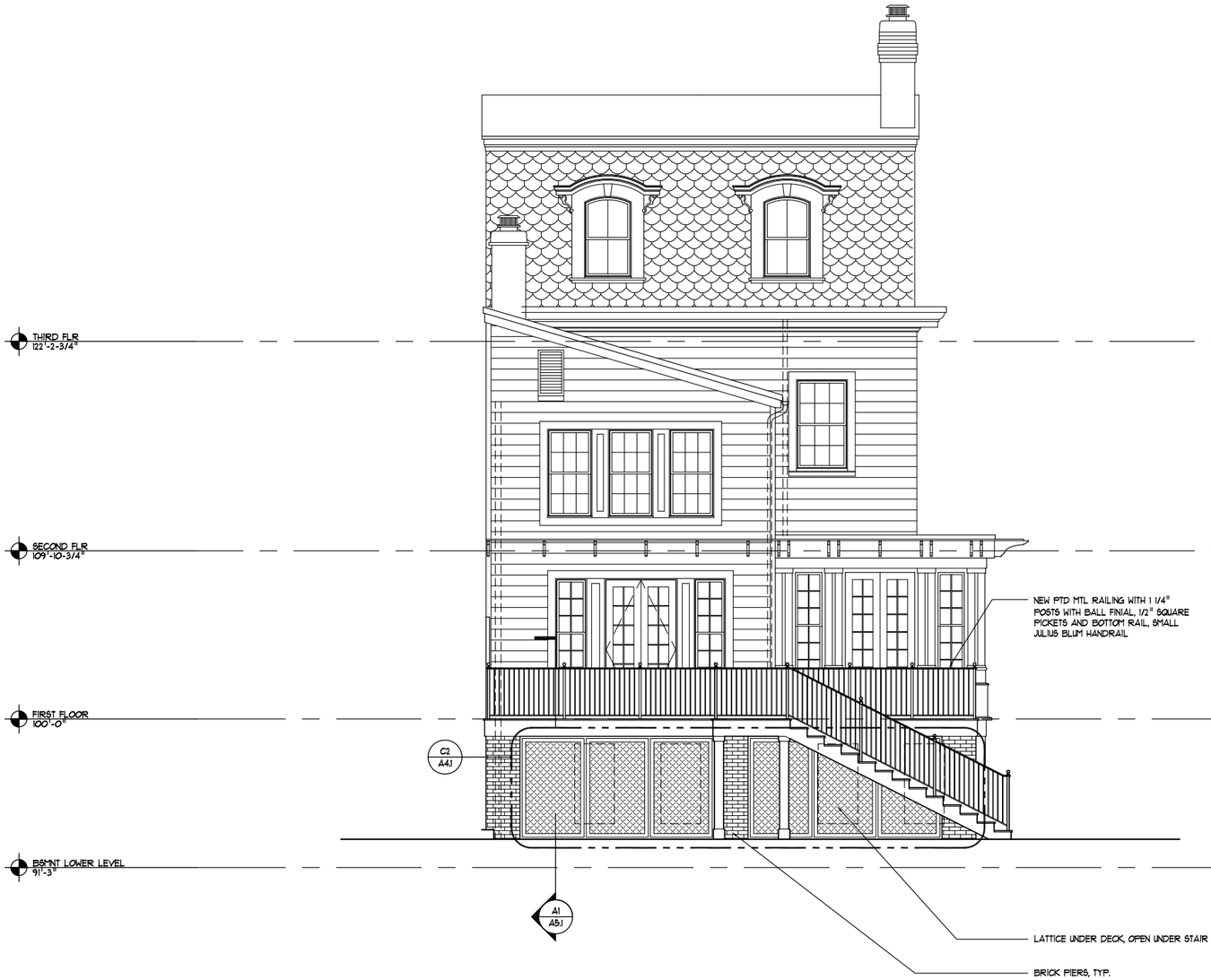
STEINBERG-KUHN RESIDENCE II

1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: PROPOSED FIRST FLOOR PLAN

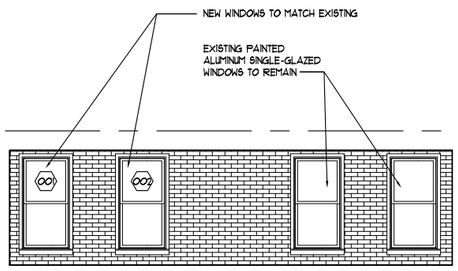
| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

A3.1




C1 / A4.1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

A2 / A4.1 EXISTING PAINTED ALUMINUM WINDOWS
SCALE: 1/4" = 1'-0"




C2 / A4.1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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DISTRICT OF COLUMBIA
ANTHONY S. BARNES
REGISTERED
ARCHITECT

STEINBERG-KUHN RESIDENCE II
1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: PROPOSED EXTERIOR ELEVATION

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

A4.1


C1 / A42 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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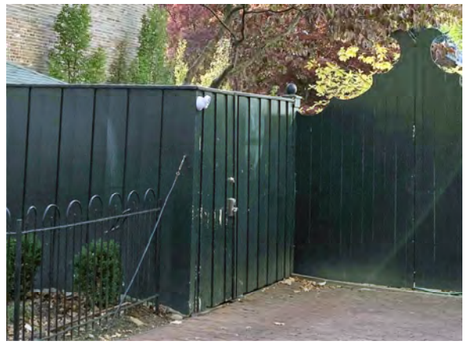
DISTRICT OF COLUMBIA
ANTHONY S. BARNES
REGISTERED
ARCHITECT
No. 3444

**STEINBERG-KUHN RESIDENCE II**
1524 30TH STREET, NW
WASHINGTON, DC 20007

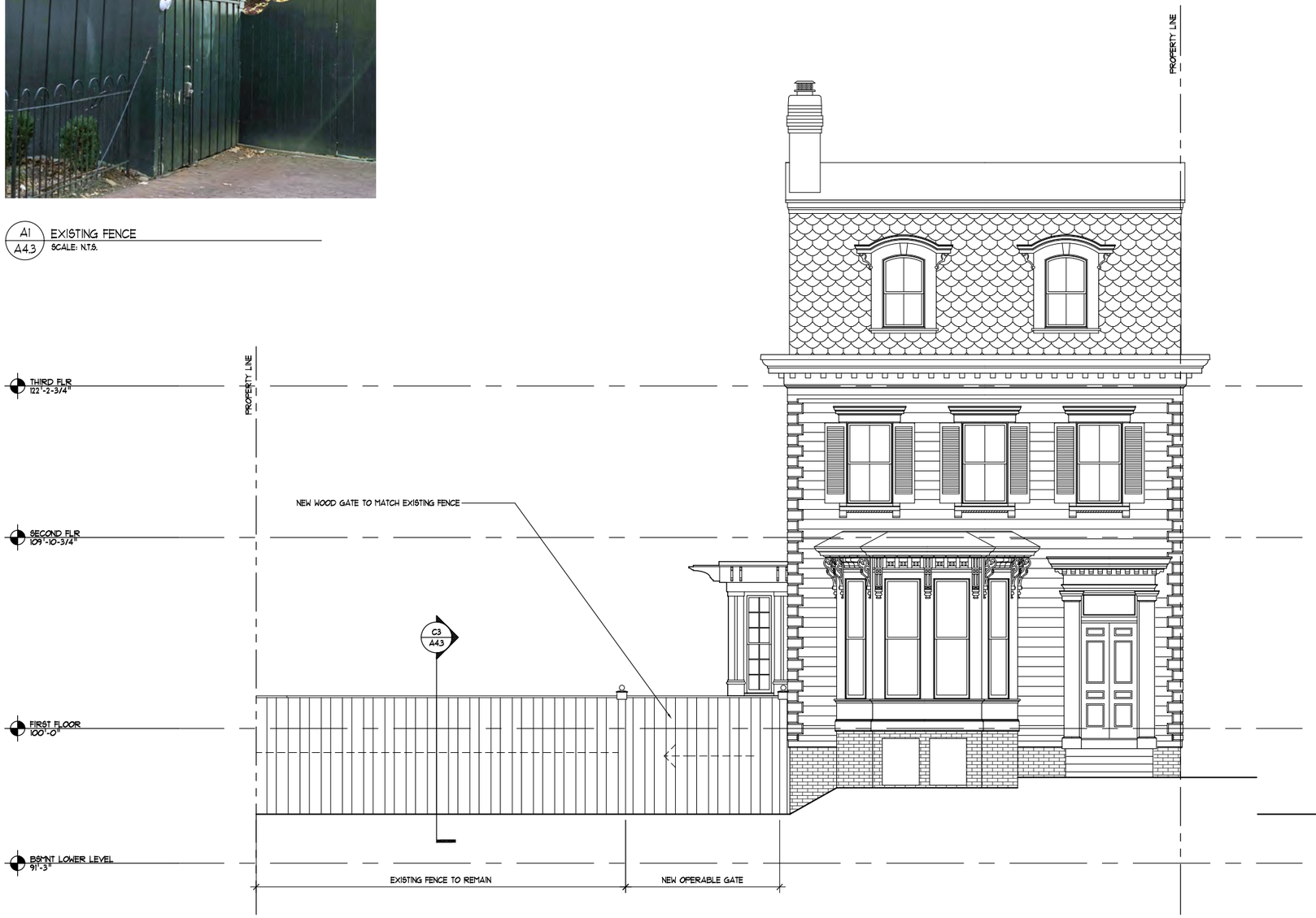
DRAWING: PROPOSED EXTERIOR ELEVATION

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

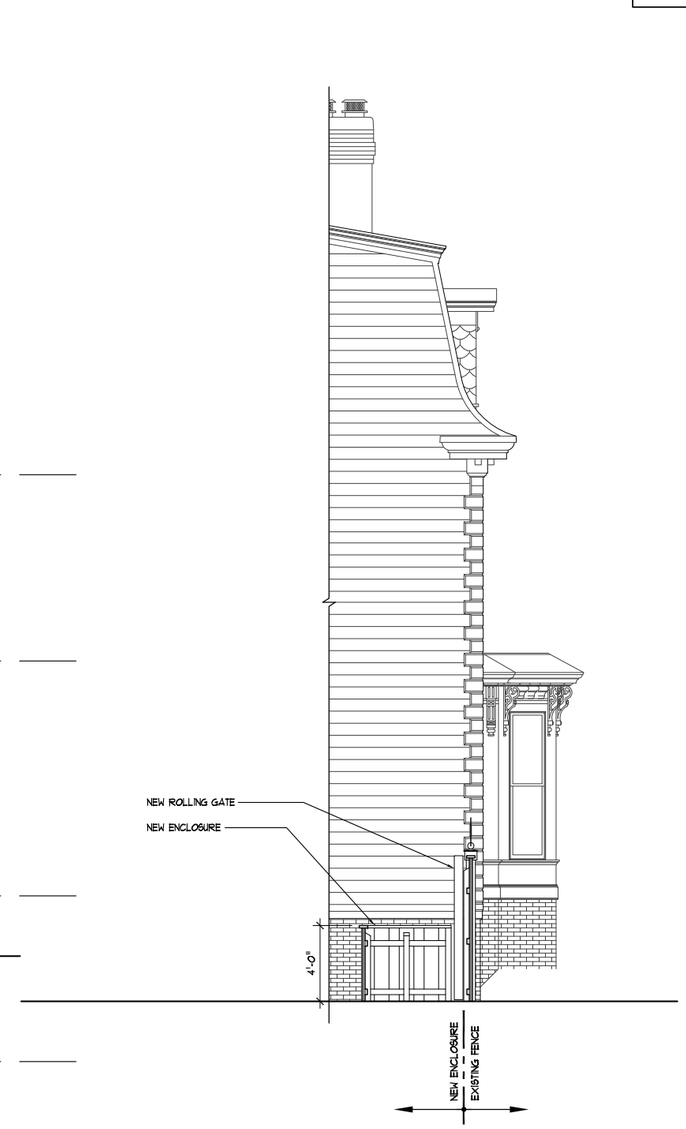
A4.2



A1 / A4.3 EXISTING FENCE
SCALE: N.T.S.




C1 / A4.3 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"




C3 / A4.3 SECTION THROUGH PROPOSED ENCLOSURE
SCALE: 1/4" = 1'-0"

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DISTRICT OF COLUMBIA
ANTHONY S. BARNES
REGISTERED
ARCHITECT

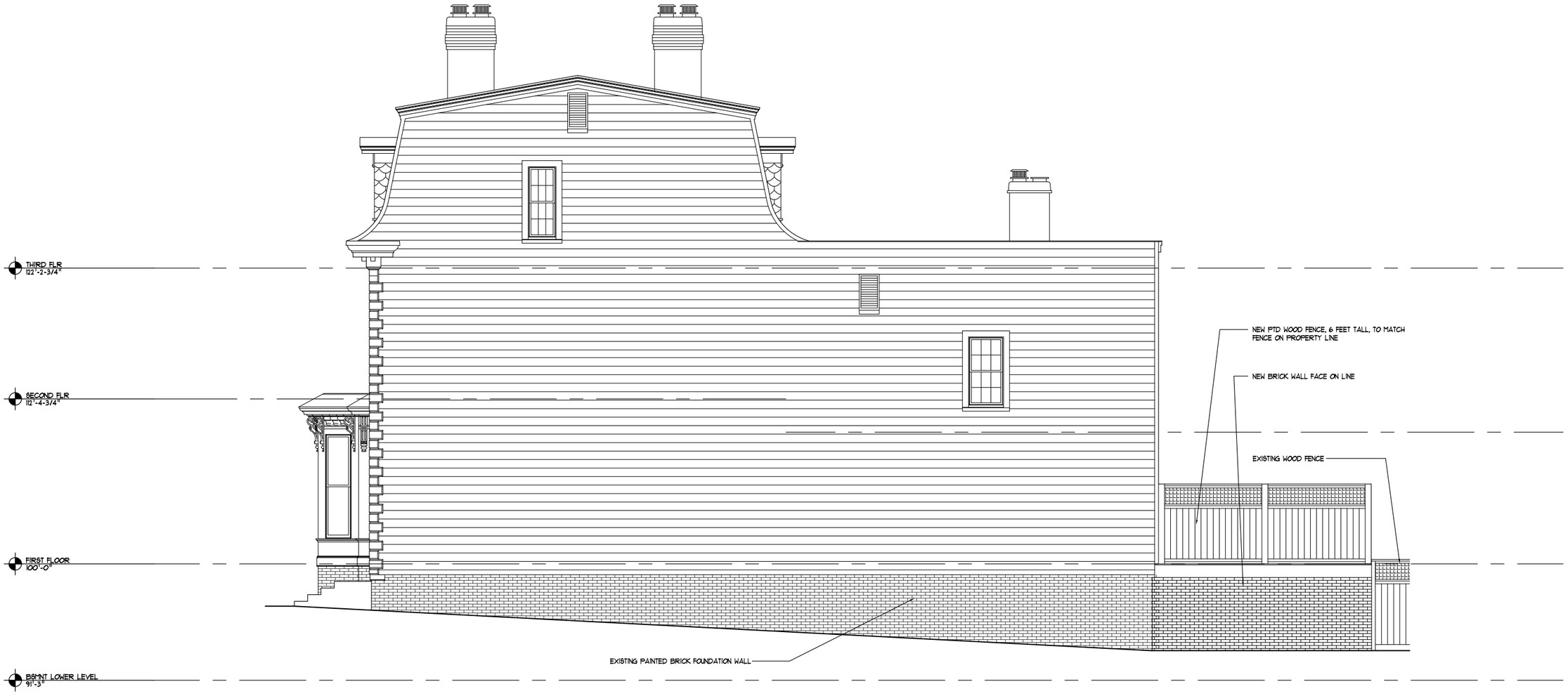
# STEINBERG-KUHN RESIDENCE II

1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: PROPOSED EXTERIOR ELEVATION

| ISSUED: | |
|---|---|
| 01/14/2020 | EXTERIOR PERMIT SET |
| 01/24/2020 | REVISED EXTERIOR PERMIT SET |

A4.3




C1 / A4.4 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

1929

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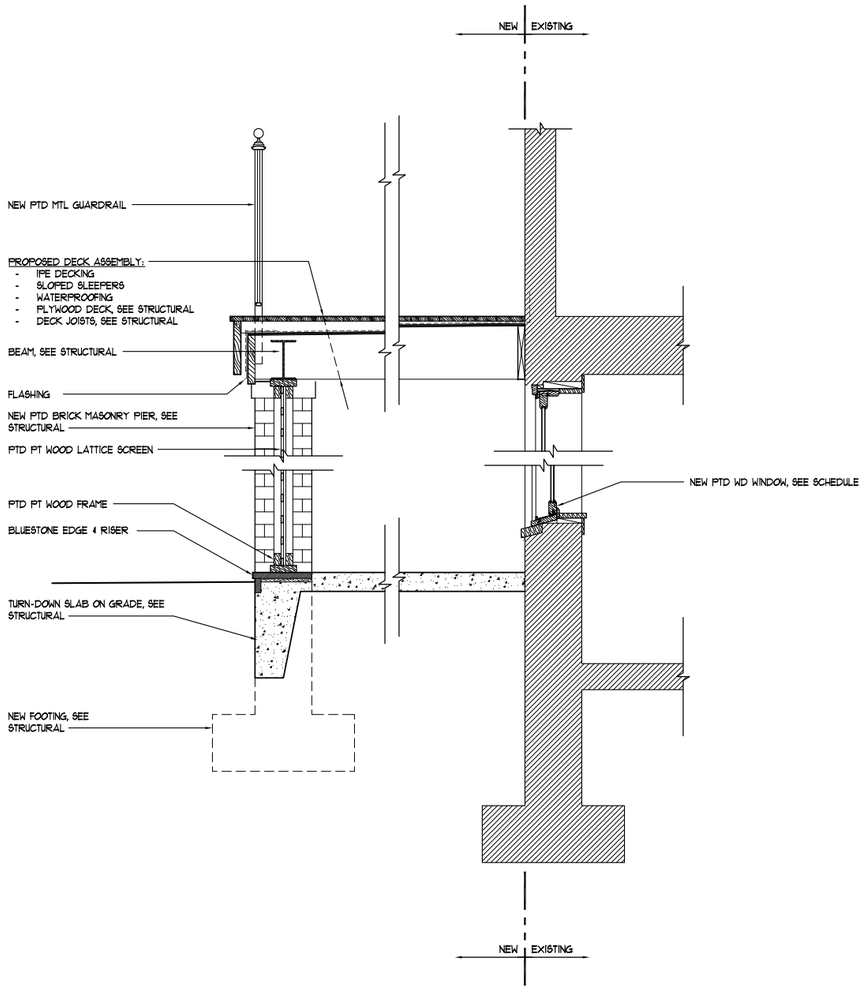
DISTRICT OF COLUMBIA
ANTHONY S. BARNES
REGISTERED
ARCHITECT
No. 3844

STEINBERG-KUHN
RESIDENCE II
1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: PROPOSED EXTERIOR ELEVATION

| ISSUED: | |
|---|---|
| 01/14/2020 | EXTERIOR PERMIT SET |
| 01/24/2020 | REVISED EXTERIOR PERMIT SET |

A4.4




A1 / A5.1 SECTION AT PROPOSED DECK

DRAWING SCALE: 3/4" = 1'-0"

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DISTRICT OF COLUMBIA
ANTHONY S. BARNES
REGISTERED
ARCHITECT

# STEINBERG-KUHN RESIDENCE II

1524 30TH STREET, NW
WASHINGTON, DC 20007

DRAWING: SECTION AT PROPOSED DECK

| ISSUED: | |
|---|---|
| 01/14/2010 | EXTERIOR PERMIT SET |
| 01/24/2010 | REVISED EXTERIOR PERMIT SET |

A5.1

## GENERAL

1. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, SHEETING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS AND ADJACENT PROPERTY, AS PROJECT CONDITIONS REQUIRE. A PROFESSIONAL ENGINEER, LICENSED BY THE DISTRICT OF COLUMBIA AND HIRED BY THE CONTRACTOR, SHALL DESIGN ALL SHORING AND SHEETING AND SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.
2. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE INTERNATIONAL RESIDENTIAL CODE 2012 AS MODIFIED BY THE DISTRICT OF COLUMBIA DCMR–12B RESIDENTIAL CODE.
3. DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.
5. THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS REPRESENTS THE DESIGN INTENT OF THE PROPOSED CONSTRUCTION. ELECTRONIC VERSIONS (PDF, DWG) OF THESE DRAWINGS SHOULD NOT BE USED TO DETERMINE DIMENSIONS OR GATHER ANY INFORMATION THAT IS NOT SPECIFICALLY LABELED OR OTHERWISE DENOTED IN PLAN, SECTION, OR DETAIL. DUPLICATION OF THESE DRAWINGS FOR USE IN THE PREPARATION OF SHOP DRAWINGS IS NOT ACCEPTABLE. THIS INCLUDES ANNOTATED HARD–COPIES AND DIRECT REUSE OF ELECTRONIC FILES.

## FOUNDATIONS

1. BUILDING FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING MINIMUM BEARING CAPACITY OF 1500PSF. AS SPECIFIED BY THE 2012 IBC PRESCRIPTIVE VALUES. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE. ADJUST BOTTOM OF FOOTING ELEVATIONS AS REQUIRED.
2. FINISH ALL FOOTING EXCAVATIONS BY HAND. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND. PROTECT FOOTINGS FROM FROST AFTER THEY ARE PLACED.
3. AT INTERSECTIONS BETWEEN NEW AND EXISTING WALLS, STEP NEW FOOTING TO MATCH EXISTING. DRILL AND GROUT 2–#5 BARS x 2'–6" LONG INTO EXISTING FOOTING IN HILTI HIT–HY200 ADHESIVE WITH 6" EMBEDMENT.
4. DO NOT PLACE FILL AGAINST FOUNDATION WALLS UNLESS ADEQUATELY BRACED BY COMPLETED FLOORS OR OTHER MEANS DEEMED APPROPRIATE BY THE ARCHITECT.
5. FILL AND BACKFILL MATERIAL– CLEAN RUN OF BANK MATERIAL, FREE OF DELETERIOUS ORGANIC MATERIALS.
6. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 2'–6" BELOW FINAL GRADE.

## CAST–IN–PLACE CONCRETE

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. SLUMP SHALL BE 4" FOR SLABS ON GRADE AND 5" FOR ALL OTHER CONCRETE.
2. SLABS ON GRADE SHALL BE 4" CONCRETE REINFORCED WITH WWF6x6–W1.4xW1.4 ON 10 MIL. POLY. VAPOR BARRIER ON 4" CRUSHED STONE, U.N.O.
3. ALL FOUNDATION CONCRETE SHALL INCLUDE 5% AIR ENTRAINMENT (±1.5%). ADJUST AIR ENTRAINMENT FOR EXPOSURE CLASS AS REQUIRED.
4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60. REINFORCING STEEL SHALL BE DETAILED ACCORDING TO THE ACI MANUAL OF CONCRETE PRACTICE (ACI 315), LOCALLY APPROVED EDITION.
5. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185, WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70,000 PSI.
6. CONCRETE WORK SHALL BE DESIGNED, REINFORCED, PLACED AND CURED IN CONFORMANCE WITH THE LOCALLY APPROVED EDITION OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE", AND ALL RECOMMENDED PRACTICES CONTAINED THEREIN SHALL BE CONSIDERED MANDATORY FOR THIS PROJECT.
7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND PIPE SLEEVES WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6".
8. PROVIDE CLEARANCE FROM FACE OF CONCRETE TO REINFORCEMENT AS FOLLOWS:
   SLABS: 3/4"
   FOOTINGS: 3"
11. ALL GROUT SHALL BE NON–SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
12. UNLESS SPECIFICALLY WAIVED BY ENGINEER OF RECORD, CEMENTITIOUS MATERIAL REPLACEMENT FOR CONCRETE MIXES AT ALL CAST–IN–PLACE CONCRETE SHALL BE 10% MINIMUM AND 33% MAXIMUM USING ONE OF THE FOLLOWING: GROUND GRANULATED BLAST FURNACE SLAG (GGBFS) OR FLY ASH.
13. WHERE CONCRETE IS PLACED AGAINST AND DOWELED TO HARDENED CONCRETE AND/OR WHERE A ROUGHENED SURFACE IS INDICATED IN THE STRUCTURAL DRAWINGS, THE HARDENED CONCRETE SURFACE SHALL BE CLEAN AND FREE OF LAITANCE AND SHALL BE ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4".

## CONCRETE MASONRY WORK

1. ALL CONCRETE MASONRY WORK SHALL CONFORM TO THE "NATIONAL CONCRETE MASONRY ASSOCIATION SPECIFICATIONS," (LOCALLY APPROVED EDITION) AND THE MASONRY STANDARDS JOINT COMMITTEE SPECIFICATIONS (ACI 530.1 – LOCALLY APPROVED EDITION).
2. CONCRETE BLOCK WORK SHALL BE OF LIGHTWEIGHT AGGREGATE AND CONFORM TO THE FOLLOWING STANDARDS:
   SOLID BLOCK: ASTM C90, GRADE NI (F'm: 1900 PSI ON GROSS AREA)
   HOLLOW BLOCK: ASTM C90, GRADE NI (F'm: 1900 PSI ON NET AREA)
3. COORDINATE BLOCK TYPES WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.
4. FILL ALL VOIDS SOLID IN PIERS AND DIRECTLY UNDER BEARING LOCATIONS AND ALL BELOW–GRADE FOUNDATION WALLS.
5. WHERE A BEAM OR COLUMN BEARS DIRECTLY ON A CONCRETE MASONRY WALL, FILL ALL BLOCKS SOLID WITHIN A 32" WIDTH, CENTERED ON THE BEAM OR COLUMN.
6. MORTAR SHALL BE ASTM C270, TYPE S FOR ALL WORK.
7. THE NET AREA COMPRESSIVE STRENGTH OF NEW MASONRY ASSEMBLIES, $f'_m$, SHALL MEET OR EXCEED 1500 PSI.
8. UNLESS NOTED OTHERWISE, ALL GROUT SHALL BE COARSE–TYPE, SHALL MEET ASTM C476–02, AND ITS COMPRESSIVE STRENGTH SHALL EXCEED $f'_m$ OR 2000 PSI, WHICHEVER IS GREATER.
9. WHERE GROUTED CELLS DO NOT EXCEED 4" IN DIAMETER, FINE GROUT SHALL BE USED.
10. HORIZONTAL REINFORCING: NO LESS THAN NO. 9 GAUGE TRUSS–TYPE DUR–O–WAL OR EQUAL, SPACED @ 16" O.C. VERTICALLY AND ABOVE ALL LINTELS.
11. VERTICAL REINFORCING: NO LESS THAN #4 SPACED @ 48" O.C. HORIZONTALLY AND AT THE EDGES OF ALL WALL OPENINGS, INTERSECTIONS AND CORNERS.
12. PROVIDE FABRICATED CORNER SECTIONS AT ALL CORNERS AND INTERSECTIONS.
13. ALL BLOCK DIMENSIONS INDICATED ON STRUCTURAL PLANS ARE NOMINAL DIMENSIONS.

## WOOD STRUCTURAL PANEL SHEATHING

1. PROVIDE STRUCTURAL I PLYWOOD OR OSB SHEATHING WITH BOND CLASSIFICATIONS APPROPRIATE TO THE END USE: "EXTERIOR" (PERMANENT EXPOSURE), OR "EXPOSURE I" (CONSTRUCTION EXPOSURE ONLY)
2. FLOOR SHEATHING: NOM. 3/4" THICK T & G PLYWOOD OR OSB (48/24 SPAN RATING), APA STURD–I–FLOOR, OR ADVANTECH SUBFLOOR.
3. ROOF SHEATHING (STANDARD): NOM. 5/8" THICK T & G PLYWOOD OR OSB (48/24 SPAN RATING).
4. ALL FLOOR SHEATHING SHALL BE GLUED AND SCREWED TO FLOOR JOISTS USING AN APA APPROVED ADHESIVE (LOKTITE PL400 OR EQUAL).
5. USE PLY CLIPS OR OTHER EDGE SUPPORT AS REQUIRED FOR SHEATHING.
6. LEAVE ⅛" SPACE AT ALL PLYWOOD PANEL END JOINTS AND ⅛" SPACE AT ALL PLYWOOD PANEL EDGE JOINTS EXCEPT WHEN USING T & G PANELS.
7. UNLESS NOTED OTHERWISE, FLOOR SHEATHING UP TO 3/4" THICK SHALL BE FASTENED TO FRAMING WITH 2–1/2" LONG SIMPSON WSNTL QUIK DRIVE SCREWS (0.175" DIA.), AND FLOOR SHEATHING GREATER THAN 3/4" SHALL BE FASTENED TO FRAMING WITH 3" LONG SIMPSON WSNTL QUIK DRIVE SCREWS. FLOOR SHEATHING SHALL ALSO BE GLUED TO FRAMING USING AN APA–APPROVED ADHESIVE.
8. UNLESS NOTED OTHERWISE, ROOF SHEATHING SHALL BE FASTENED TO FRAMING WITH 10d COMMON NAILS.
9. UNLESS NOTED OTHERWISE, FLOOR AND ROOF DIAPHRAGMS SHALL BE UNBLOCKED.
   A. UNBLOCKED DIAPHRAGMS: UNLESS NOTED OTHERWISE, FASTENERS OF SHEATHING TO FRAMING SHALL BE SPACED @ 6" O.C. AT SUPPORTED SHEATHING PANEL EDGES AND AT ALL DIAPHRAGM BOUNDARIES (PERIMETER OF FLOOR/ROOF; PERIMETER OF ALL OPENINGS; AND ALL RIDGES, VALLEYS, HIPS, AND OTHER CHANGES IN SLOPE) AND @ 12"O.C. ELSEWHERE.

## FRAMING LUMBER

1. FRAMING LUMBER SHALL HAVE EACH PIECE GRADE STAMPED, SHALL BE SURFACED DRY (EXCEPT STUDS, WHICH SHALL BE KILN–DRIED) AND SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE:
   RAFTERS AND JOISTS: HEM–FIR #2 OR SPRUCE–PINE–FIR #2
   BEAMS, GIRDERS AND HEADERS: HEM–FIR #1 OR SPRUCE–PINE–FIR #1
   STUDS AND PLATES: HEM–FIR STUD GRADE OR SPRUCE–PINE–FIR STUD GRADE
2. TIMBER LUMBER SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADE:
   POST AND TIMBER: HEM–FIR #1 OR SPRUCE–PINE–FIR #1
   BEAMS AND STRINGERS: HEM–FIR #1 OR SPRUCE–PINE–FIR #1
3. PRESERVATIVE–TREATED WOOD: PROVIDE TREATED SOUTHERN PINE #2 LUMBER COMPLYING WITH ACQ–D (CARBONATE), COPPER AZOLE (CA–B), OR SODIUM BORATE (SBX (DOT) WITH $NoSiO_2$) AT ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY, OR AS OTHERWISE INDICATED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. ACZA TREATMENT IS NOT PERMITTED. TREATED LUMBER AND/OR PLYWOOD SHALL BEAR THE LABEL OF AN ACCREDITED AGENCY SHOWING 0.40 PCF RETENTION. WHERE LUMBER AND/OR PLYWOOD IS CUT OR DRILLED AFTER TREATMENT, THE TREATED SURFACE SHALL BE FIELD–TREATED WITH COPPER NAPTHENATE (THE CONCENTRATION OF WHICH SHALL CONTAIN A MINIMUM OF 2% COPPER METAL) BY REPEATED BRUSHING, DIPPING, OR SOAKING UNTIL THE WOOD ABSORBS NO MORE PRESERVATIVE.
4. ALL WOOD FRAMING INCLUDING DETAILS FOR BRIDGING, BLOCKING, FIRE STOPPING, ETC., SHALL CONFORM TO THE LOCALLY APPROVED EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND ITS SUPPLEMENTS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE (SEE DESIGN LOADS AND FACTORS TABLE FOR IRC EDITION).
5. FASTENING SHALL BE IN ACCORDANCE WITH THE MOST RESTRICTIVE OF: THE INTERNATIONAL RESIDENTIAL CODE, OR THE MANUFACTURER'S RECOMMENDED FASTENING SCHEDULES. (SEE DESIGN LOADS AND FACTORS TABLE FOR IRC EDITION)
6. ALL FLUSH FRAMED CONNECTIONS SHALL BE MADE WITH APPROVED GALVANIZED STEEL JOIST OR BEAM HANGERS, MINIMUM 18 GAUGE, INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. WHERE FRAMING LUMBER IS FLUSH FRAMED TO MICROLLAM, STEEL OR FLITCH–PLATE GIRDER, SET THESE GIRDERS ¼" CLEAR (MIN.) BELOW TOP OF FRAMING LUMBER, TO ALLOW FOR SHRINKAGE.
8. STUD BEARING WALLS ARE TO BE 2x6, @ 16" O.C., UNLESS NOTED OTHERWISE ON PLAN.
9. LAP ALL PLATES AT CORNERS AND AT INTERSECTION OF PARTITIONS.
10. STAGGER ALL TOP AND BOTTOM PLATE SPLICES A MINIMUM OF 32 INCHES.
11. USE DOUBLE STUDS @ ENDS OF WALL AND ENDS OF WALL OPENINGS.
12. AT THE ENDS OF ALL BEAMS, HEADERS AND GIRDERS PROVIDE A BUILT UP OR SOLID POST WHOSE WIDTH IS AT LEAST EQUAL TO THE WIDTH OF THE MEMBER IT IS SUPPORTING AND WHOSE DEPTH IS 4" (NOM.) AT INTERIOR WALLS AND 6" (NOM.) AT EXTERIOR WALLS.
13. USE DOUBLE TRIMMERS AND HEADERS AT ALL FLOOR OPENINGS WHERE BEAMS ARE NOT DESIGNATED.
14. BRIDGING FOR SPANS UP TO 14 FT., PROVIDE 1 ROW. BRIDGING FOR SPANS OVER 14 FT., PROVIDE 2 ROWS.
15. BUILT–UP BEAMS LESS THAN 8" DEEP SHALL BE SPIKED TOGETHER WITH (2) 16D NAILS @ 16" O.C. BUILT–UP BEAMS GREATER THAN 8" DEEP SHALL BE SPIKED TOGETHER WITH (3) 16D NAILS @ 16" O.C.
16. NO NEW OR EXISTING JOISTS SHALL BE CUT OR NOTCHED WITHOUT APPROVAL.
17. ALL LIGHT–GAGE HANGERS SUPPORTING PRESERVATIVE TREATED WOOD SHALL MEET OR EXCEED G185 (1.85 oz OF ZINC PER SQUARE FOOT). ALTERNATIVELY, STAINLESS STEEL CONNECTORS MAY BE USED. FASTENERS SHALL MATCH THE SELECTED HANGER FINISH AND MATERIAL.
18. WHERE JOIST ORIENTATION IS PARALLEL TO EXTERIOR STUD OR FOUNDATION WALLS, PROVIDE FULL–SECTION BLOCKING FOR 3 BAYS @ 4'–0" O.C. MAX.
   A. WHERE SHEATHING IS NOT CONTINUOUSLY FASTENED TO TOP OF JOISTS, PROVIDE 18 GA.x 1½"x12" (MIN.) FLAT TENSION STRAPS BETWEEN ALIGNED BLOCKING MEMBERS.

## WOOD HEADER SCHEDULE

22. UNLESS NOTED OTHERWISE IN PLAN, PROVIDE HEADERS PER THE FOLLOWING:

| ROUGH OPENING WIDTH: | HEADER: 2x4 WALL | 2x6 WALL |
|---|---|---|
| LESS THAN 3'–0" | (2) 2x6 | (3) 2x8 |
| 3'–1" TO 4'–0" | (2) 2x8 | (3) 2x8 |
| 4'–1" TO 6'–0" | (2) 2x10 | (3) 2x10 |
| 6'–1" TO 8'–0" | (2) 2x12 | (3) 2x12 |
| OVER 8'–0" | SEE PLANS | SEE PLANS |

NOTE: PROVIDE
(1) JACK STUD FOR SPANS LESS THAN 4'–0" WIDE,
(2) JACK STUDS FOR SPANS LESS THAN 8'–0" WIDE,
(3) JACK STUDS FOR SPANS OVER 8'–0" WIDE.

## ENGINEERED WOOD PRODUCTS

1. GLUED LAMINATED TIMBER (SOFTWOOD): PROVIDE ENGINEERED BEAMS, SIZES AS SHOWN, IN ACCORDANCE WITH AITC 117–04 DESIGN STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOFTWOOD SPECIES. UNLESS NOTED OTHERWISE, ALL LAMINATIONS SHALL BE SOUTHERN PINE.
   A. ANTHONY POWER COLUMNS: COMBINATION 50 SOUTHERN PINE N1D14
   B. ANTHONY POWER PRESERVED COLUMNS: COMBINATION 50 SOUTHERN PINE N1D14
   C. ANTHONY POWER BEAMS: 3000 Fb – 2.1E – 300 Fv
   D. ANTHONY POWER PRESERVED BEAMS: 24F–V5M1/SP (2400 Fb – 1.8E – 300 Fv)

## STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," LOCALLY APPROVED EDITIONS.
   B. AMERICAN WELDING SOCIETY (AWS) D1.1 "STRUCTURAL WELDING CODE––STEEL", LOCALLY APPROVED EDITION.
6. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   A. WIDE FLANGE BEAMS, COLUMNS AND STRUCTURAL TEES: ASTM A992
   B. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B
   C. CHANNELS, ANGLES AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED.
   D. BOLTED CONNECTIONS OF BEAMS/GRIDERS ARE TO BE DESIGNED AS FOLLOWS A325 OR A490 BEARING TYPE BOLTS (3/4" DIAMETER MINIMUM).
   E. ANCHOR BOLTS: ASTM F1554, GRADE 36. FURNISHED COMPLETE WITH NUTS AND WASHERS. ANCHOR BOLTS SHALL HAVE HEADED ENDS OR NUTS WELDED (TACK AT BOTTOM SIDE OF NUT) AT EMBEDDED END.
3. STEEL CONNECTIONS:
   A. CONNECTIONS SHALL BE DESIGNED BY AN ENGINEER LICENSED IN THE LOCAL JURISDICTION WORKING FOR THE FABRICATOR, WHO SHALL PROVIDE CALCULATIONS. CALCULATIONS SHALL BE SUBMITTED PRIOR TO SHOP DRAWING SUBMISSION AND UTILIZE [ASD/LRFD PER EOR] LOADS AND PROCEDURES. STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONNECTION SPECIALTY ENGINEER PRIOR TO SUBMITTING FOR REVIEW BY THE DESIGN TEAM. SHOP DRAWINGS SHALL BEAR THE REVIEW STAMP OF THE CONNECTION SPECIALTY ENGINEER, OR BE PROVIDED WITH A SIGNED AND SEALED LETTER, INDICATING APPROVAL OF THE DETAILING OF APPLICABLE CONNECTIONS.
   B. REINFORCING OF THE CONNECTED MEMBER IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW THAT REQUIRED TO SUSTAIN THE REACTION. FLANGES AND WEBS OF THE CONNECTED MEMBER ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN THE CONNECTION LOAD IS INADEQUATE.
   C. UNLESS OTHERWISE DEFINED BY WORK POINTS IN THESE DRAWINGS, ALL BEAM END CONNECTIONS SHALL BE DESIGNED AND DETAILED TO DELIVER BEAM END REACTIONS (SHOWN IN PLAN OR OTHERWISE HEREIN) TO:
      i. THE SHEAR CENTER OF THE SUPPORTING ELEMENT IN THE CASE OF SHEAR FORCES.
      ii. THE CENTROIDS OF THE CONNECTED MEMBERS IN THE CASE OF AXIAL LOADS.
   E. PROVIDE MINIMUM CONNECTION CAPACITIES ACCORDING TO THE NOMINAL BEAM SIZES BELOW, UNLESS OTHERWISE NOTED IN PLAN:
      iii. W8/W10 – 15k LRFD/12k ASD
      ii. W12/W14 – 35k LRFD/25k ASD
   F. THE DEPTH OF SHEAR CONNECTIONS SHALL BE A MINIMUM OF HALF THE DEPTH OF THE MEMBER, U.N.O.
   G. MOMENT CONNECTIONS SHALL BE TYPE 1 (FULL RIGIDITY), DESIGNED FOR THE CONNECTED ELEMENT'S YIELD MOMENT, U.N.O.
   H. PROVIDE MECHANICALLY GALVANIZED BOLTS FOR EXTERIOR APPLICATIONS.
   I. MINIMUM SIZE WELD, UNLESS NOTED OTHERWISE, IS 1/4" FILLET.
   J. EXISTING STEEL MEMBERS SHALL BE EVALUATED BY THE CONNECTION SPECIALTY ENGINEER PRIOR TO FIELD MODIFICATION FOR CONNECTIONS ASSOCIATED WITH NEW WORK.
4. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.
5. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS LICENSED BY THE GOVERNING LOCALITY AND CERTIFIED IN ACCORDANCE WITH AWS D1.1. WELDING ELECTRODES SHALL BE ASTM A233, CLASS E70XX (USE LOW HYDROGEN ELECTRODES FOR A992, GRADE 50 STEEL).
6. STRUCTURAL STEEL MEMBERS SHALL BE FINISHED PER THE FOLLOWING SPECIFICATIONS:
   A. GALVANIZE ALL STRUCTURAL STEEL EXPOSED TO WEATHER, AND STEEL SUPPORTING EXTERIOR ELEMENTS.
      i. HOT–DIP GALVANIZING SHALL CONFORM TO ASTM A123. REPAIR SCRATCHED OR ABRADED GALVANIZED SURFACES WITH COLD GALVANIZING ZINC–RICH PAINT.
   B. WHERE SHOP PAINTING IS REQUIRED BY PROJECT SPECIFICATION, PROVIDE MODIFIED ALKYD PER MANUFACTURER REQUIREMENTS. ALL FIELD PAINTING SHALL BE PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
7. ALL BEAMS SHALL BE FABRICATED WITH NATURAL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED SO THAT NATURAL CAMBER RAISES CANTILEVER END, U.N.O.
8. LINTELS SHALL BE INSTALLED OVER ALL OPENINGS IN MASONRY WALLS AS FOLLOWS:

| MASONRY OPENING | LINTEL |
|---|---|
| 4'–0" OR LESS | L4x3 1/2x5/16" |
| 4'–1" TO 7'–0" | L6x3 1/2x5/16" |

   A. 3 1/2" LEGS ARE HORIZONTAL.
   B. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS.
   C. PROVIDE L5x5x5/16" ANGLES FOR 6" THICK WALLS AND PARTITIONS.
   D. PROVIDE MINIMUM 6" BEARING ON EACH END, U.N.O.
9. FIELD CUTTING OR BURNING OF STRUCTURAL STEEL IS PROHIBITED EXCEPT WHEN APPROVED BY THE ENGINEER OF RECORD.
10. SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL NOT SHOWN ON STRUCTURAL DRAWINGS. STEEL EXPOSED AS AN ARCHITECTURAL FINISH ELEMENT IS TO BE CLASSIFIED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) PER AISC, U.N.O. REDUCED TOLERANCES SHALL BE MAINTAINED.
11. UNLESS NOTED OTHERWISE, ALL HSS AND PIPE COLUMNS SHALL BE FULLY CAPPED WITH 1/4" THICK A36 PLATE MATCHING HIGHEST ELEVATION OF THE CONNECTED MEMBERS.

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DISTRICT OF COLUMBIA – CHRISTOPHER A. CORB – PE901005 – PROFESSIONAL ENGINEER

1929

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DRAWING: GENERAL NOTES
ISSUED: 01-10-2020 PERMIT SET

S001

## LEGEND

| | |
|---|---|
| EXIST. CONCRETE FOOTING | WOOD JOIST |
| CONCRETE FOOTING | WOOD RAFTER |
| EXIST. BRICK MASONRY | WOOD BEAM, #J INDICATES NO. OF JACK STUDS, #K INDICATES NO. OF KING STUDS (2K/2J, 2J/2K) |
| BRICK MASONRY | WOOD HEADER |
| EXIST. CONCRETE MASONRY (CMU) | STEEL BEAM |
| CONCRETE MASONRY (CMU) | INDICATES EXIST. WOOD POST THRU OR DOWN |
| EXIST. CONCRETE WALL | INDICATES EXIST. WOOD POST ABOVE |
| CONCRETE WALL | INDICATES EXIST. STEEL POST THRU OR DOWN |
| EXIST. WOOD BEARING WALL | INDICATES EXIST. STEEL POST UP |
| WOOD BEARING WALL (2x6 @ 16" U.N.O.) | INDICATES WOOD POST THRU OR DOWN (APC POSTS SUPPORTING GIRDERS TO BE CONTINUOUS THROUGH FLOOR CONSTRUCTION DOWN TO THE FOUNDATION LEVEL) |
| WALL BELOW TO BE REMOVED | |
| BEARING WALL ABOVE | INDICATES WOOD POST ABOVE (REFER TO NOTES FOR WOOD POST THRU OR DOWN) |
| EXIST. WOOD JOIST | INDICATES STEEL POST UP |
| EXIST. WOOD RAFTER | INDICATES STEEL POST THRU OR DOWN |
| EXIST. WOOD BEAM | DENOTES CONNECTION REQUIREMENTS (SEE SCHED.) (X) |
| EXIST. WOOD FRAMING TO BE REMOVED | INDICATES TOP OF FOOTING ELEVATION (##'-##") |
| EXIST. STEEL BEAM | |
| EXIST. STEEL BEAM TO BE REMOVED | |

## DESIGN LOADS AND FACTORS

DESIGN CODE: INTERNATIONAL RESIDENTIAL CODE 2012 AS MODIFIED BY THE DISTRICT OF COLUMBIA DCMR-12B RESIDENTIAL CODE.

| LIVE LOAD DATA | | ROOF LOAD DATA | | DEAD LOAD DATA | | WIND LOAD DATA | | EARTHQUAKE DESIGN DATA | | SOIL DESIGN DATA | | DEFLECTIONS LIMITS FOR WOOD FRAMING | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FLOOR OR ROOF AREA | LOAD (PSF) | LOAD TYPE | VALUE (PSF) | AREA | VALUE (PSF) | PARAMETER | VALUE | PARAMETER | VALUE | PARAMETER* | VALUE | | LL | TL | $\Delta_{TL}$(in) |
| TYP. FLOOR (U.N.O.) | 40 | NON-DRIFT SNOW | 30 | FLOOR | 15 | 2012 IRC PRESCRIPTIVE BASIC WIND SPEED | 90 MPH | SHORT-PERIOD MAP VALUE ($S_S$) | 15.0% g | AT-REST PRESSURE CONDITION | 65 PSF/FT | RAFTERS | L/360 | L/240 | 0.75 |
| DECKS | 60 | DRIFTING SNOW | PER CODE | PARTITION | 10 | 2012 IBC ULTIMATE WIND SPEED | 115 MPH | SEISMIC SITE CLASS | D | ACTIVE PRESSURE CONDITION | 45 PSF/FT | ROOF BEAMS | L/240 | L/180 | 0.75 |
| STAIRS | 40 | | | ROOF | 15 | WIND EXPOSURE | B | SHORT-PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION ($S_{DS}$) | 16.0% g | PASSIVE PRESSURE CONDITION | 180 PSF/FT | JOIST | L/480 | L/360 | 0.625 |
| SLEEPING ROOMS | 30 | **PARAMETER** | **VALUE** | | | IMPORTANCE FACTOR | 1.0 | | | SURCHARGE LOADS | 100 PSF | FLOOR BEAMS | L/360 | L/240 | 0.75 |
| ATTICS WITH STORAGE | 20 | GROUND SNOW LOAD ($P_g$) | 30 | | | MINIMUM ALLOWABLE WIND LOAD (MWFRS AND C&C) | 20 PSF | RESIDENTIAL SEISMIC DESIGN CATEGORY | A | S.O.G. COEFFICIENT OF SLIDING FRICTION | 0.3 | JOISTS/BEAMS-TILE OR STONE FINISH | L/600 | L480 | 0.5 |
| ATTICS WITHOUT STORAGE | 10 | CEILING APPLIED | YES | | | **SHEAR WALL TYPE** | | PER R301.2.2, THE SEISMIC PROVISIONS OF THE RESIDENTIAL BUILDING CODE ARE NOT APPLICABLE TO DETACHED ONE-FAMILY DWELLINGS ASSIGNED TO SEISMIC DESIGN CATEGORY A, B, OR C. | | FACTORS OF SAFETY (OTM & SLIDING) | 1.5 | MASONRY LINTELS (OR XFER BEAMS OF EXIST MASONRY) | L/600 | L/600 | 0.3 |
| | | | | | | EXIST. TO REMAIN | | | | TOTAL/DIFFERENTIAL SETTLEMENT | 1/.5 INCH | | | | |
| | | | | | | | | | | * PER IRC PRESCRIPTIVE VALUES SEE GENERAL FOUNDATION NOTES | | | | | |

## STANDARD ABBREVIATIONS

| | |
|---|---|
| ADD'L | ADDITIONAL |
| ADJ. | ADJACENT |
| A/E | DESIGN TEAM OF RECORD |
| ALT. | ALTERNATIVE |
| APC | ANTHONY POWER COLUMN |
| APPROX. | APPROXIMATE |
| ARCH. | ARCHITECTURAL/ARCHITECT |
| B.O. | BOTTOM OF |
| BLDG. | BUILDING |
| BM | BEAM |
| BOT. | BOTTOM |
| BRG | BEARING |
| BSMT | BASEMENT |
| CANT. | CANTILEVERED |
| (C.E.) | CONCRETE ENCASED MEMBER |
| CFS | COLD FORMED STEEL |
| C.I. | CAST IRON |
| C.I.P. | CAST IN PLACE |
| C.J. | CONTROL JOINT |
| CLG | CEILING |
| CLR | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| COL. | COLUMN |
| CONC. | CONCRETE |
| COORD. | COORDINATE |
| CONTR. | CONTRACTOR |
| COTR. | CONTRACT OFFICER'S TECHNICAL REP. |
| CTR. | CENTER |
| D.B.A. | DEFORMED BAR ANCHOR |
| DBL | DOUBLE |
| DEMO | DEMOLITION |
| DTL | DETAIL |
| DIA. | DIAMETER |
| DIAG. | DIAGONAL |
| DIM. | DIMENSION |
| D.L. | DEAD LOAD |
| DN | DOWN |
| DO | DITTO |
| DWG(S) | DRAWING(S) |
| DWL | DOWEL |
| (E) | EXISTING MEMBER OR DIMENSION |
| EXIST. | EXISTING |
| EA. | EACH |
| E/ | EDGE OF |
| E.A. | EACH FACE |
| E.J. | EXPANSION JOINT |
| E.L. | ELEVATION |
| EMBED. | EMBEDMENT |
| ENGR | ENGINEER |
| E.O.R. | ENGINEER OF RECORD |
| EQ. | EQUAL |
| E.S. | EACH SIDE |
| EXT. | EXTERIOR |
| E.W. | EACH WAY |
| FNDN | FOUNDATION |
| FIN. | FINISH |
| FLR. | FLOOR |
| FRMG | FRAMING |
| F.S. | FAR SIDE |
| FTG | FOOTING |
| F.P. | FIRE PROTECTION |
| F.W. | FLAT WISE |
| GA. | GAUGE |
| GALV. | GALVANIZE |
| G.B. | GRADE BEAM |
| G-LAM | GLUE LAMINATED LUMBER |
| HORIZ. | HORIZONTAL |
| H.P. | HIGH POINT |
| HT. | HEIGHT |
| HVAC | HEATING, VENTILATION & AIR CONDITIONING |
| I.D. | INSIDE DIAMETER |
| I.F. | INSIDE FACE |
| I.J. | ISOLATION JOINT |
| INFO. | INFORMATION |
| INT. | INTERIOR |
| JT. | JOINT |
| L.L. | LIVE LOAD |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LSL | LAMINATED STRAND LUMBER |
| LVL | LAMINATED VENEER LUMBER |
| L-W | LONG WAY |
| L.P. | LOW POINT |
| L.W. | LIGHT WEIGHT |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MEP | MECHANICAL, ELECTRICAL, PLUMBING & F.P. |
| MFR. | MANUFACTURER |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| M.O. | MASONRY OPENING |
| N.F. | NEAR FACE |
| N.I.C. | NOT IN CONTRACT |
| NO. | NUMBER |
| NOM. | NOMINAL |
| N.S. | NEAR SIDE |
| N.T.S. | NOT TO SCALE |
| O.C. | ON CENTER |
| O.D. | OUTSIDE DIAMETER |
| O.F. | OUTSIDE FACE |
| OPNG. | OPENING |
| OPP. | OPPOSITE |
| P.A.F. | POWER ACTUATED FASTENER |
| PC. | PIECE |
| P/C | PRECAST CONCRETE |
| PERP. | PERPENDICULAR |
| PL. | PLATE |
| PLF | POUND PER LINEAR FOOT |
| PSI | POUND PER SQUARE INCH |
| PSL | PARALLEL STRAND LUMBER |
| P-T | POST TENSIONED |
| P.T. | PRESERVATIVE TREATED |
| REINF. | REINFORCED |
| REQ'D | REQUIRED |
| REV. | REVISION |
| R.O. | ROUGH OPENING |
| SCHED. | SCHEDULE |
| SECT. | SECTION |
| SIM. | SIMILAR |
| S.I.F. | STEP IN FOOTING |
| S.O.G | SLAB ON GRADE |
| SPEC. | SPECIFICATION |
| SQR. | SQUARE |
| S.S. | STAINLESS STEEL |
| STD. | STANDARD |
| STIFF. | STIFFENER |
| STIR. | STIRRUP |
| STL. | STEEL |
| SQR. | SQUARE |
| S-W | SHORT WAY |
| SYM. | SYMMETRICAL |
| T.C. | TERRA COTTA |
| T.O. | TOP OF |
| T&B | TOP AND BOTTOM |
| TEMP. | TEMPORARY |
| T&G | TOUNGE AND GROOVE |
| THK. | THICK(NESS) |
| T.L.S. | TENSION LAP SPLICE |
| TR. | TRANSFER |
| TYP. | TYPICAL |
| U.N.O. | UNLESS NOTED OTHERWISE |
| U-P | UNDERPINNING |
| VERT. | VERTICAL |
| V.I.F. | VERIFY IN FIELD |
| W/ | WITH |
| W.A. | WORK POINT |
| W-P | WATER PROOF |
| WWF | WELDED WIRE FABRIC |
| # | NUMBER |
| ℄ | CENTER LINE |
| ø | DIAMETER |
| PL | PLATE |

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DISTRICT OF COLUMBIA CHRISTOPHER A. COBB PROFESSIONAL ENGINEER REVISIONS

1929


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# STEINBERG-KUHN RESIDENCE II

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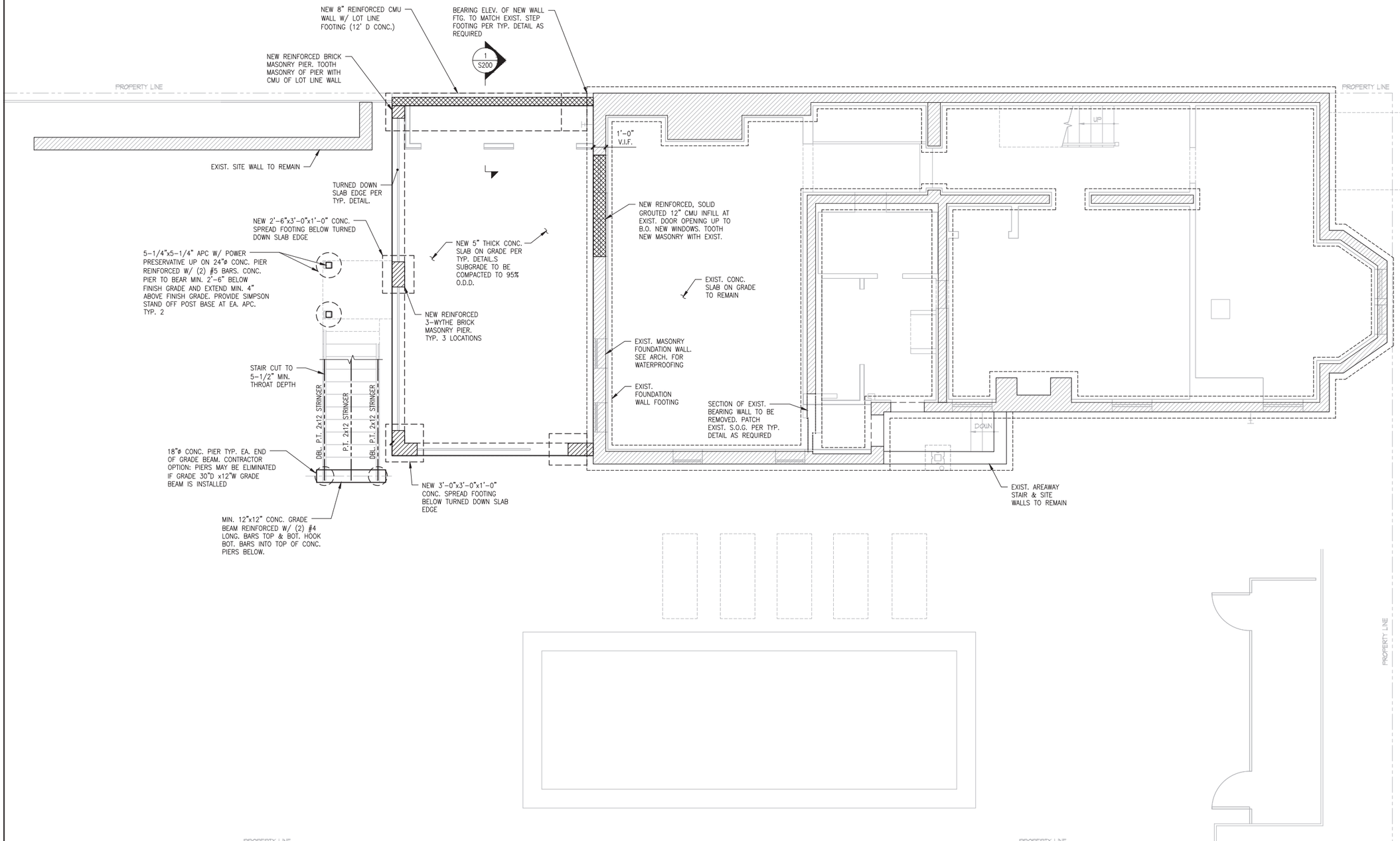
DRAWING: SCHEDULES AND LEGENDS

| ISSUED: | |
|---|---|
| 01-10-2020 | PERMIT SET |

S002

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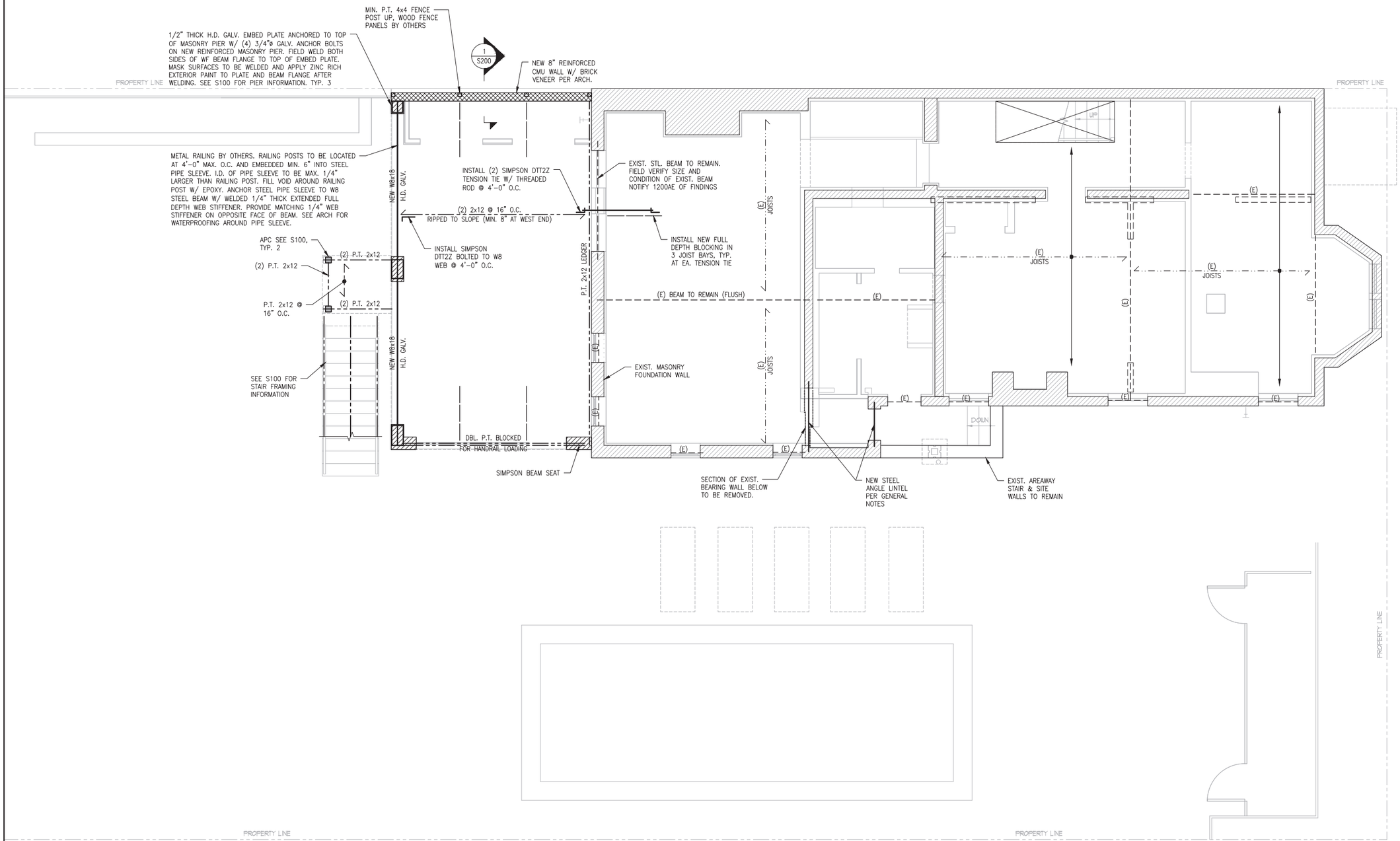
ISSUED:
01-10-2020 PERMIT SET



MIN. P.T. 4x4 FENCE POST UP, WOOD FENCE PANELS BY OTHERS

1/2" THICK H.D. GALV. EMBED PLATE ANCHORED TO TOP OF MASONRY PIER W/ (4) 3/4"ø GALV. ANCHOR BOLTS ON NEW REINFORCED MASONRY PIER. FIELD WELD BOTH SIDES OF WF BEAM FLANGE TO TOP OF EMBED PLATE. MASK SURFACES TO BE WELDED AND APPLY ZINC RICH EXTERIOR PAINT TO PLATE AND BEAM FLANGE AFTER WELDING. SEE S100 FOR PIER INFORMATION. TYP. 3

NEW 8" REINFORCED CMU WALL W/ BRICK VENEER PER ARCH.

METAL RAILING BY OTHERS. RAILING POSTS TO BE LOCATED AT 4'-0" MAX. O.C. AND EMBEDDED MIN. 6" INTO STEEL PIPE SLEEVE. I.D. OF PIPE SLEEVE TO BE MAX. 1/4" LARGER THAN RAILING POST. FILL VOID AROUND RAILING POST W/ EPOXY. ANCHOR STEEL PIPE SLEEVE TO W8 STEEL BEAM W/ WELDED 1/4" THICK EXTENDED FULL DEPTH WEB STIFFENER. PROVIDE MATCHING 1/4" WEB STIFFENER ON OPPOSITE FACE OF BEAM. SEE ARCH FOR WATERPROOFING AROUND PIPE SLEEVE.

INSTALL (2) SIMPSON DTT2Z TENSION TIE W/ THREADED ROD @ 4'-0" O.C.

INSTALL SIMPSON DTT2Z BOLTED TO W8 WEB @ 4'-0" O.C.

SEE S100 FOR STAIR FRAMING INFORMATION

EXIST. STL. BEAM TO REMAIN. FIELD VERIFY SIZE AND CONDITION OF EXIST. BEAM NOTIFY 1200AE OF FINDINGS

INSTALL NEW FULL DEPTH BLOCKING IN 3 JOIST BAYS, TYP. AT EA. TENSION TIE

EXIST. MASONRY FOUNDATION WALL

SECTION OF EXIST. BEARING WALL BELOW TO BE REMOVED.

NEW STEEL ANGLE LINTEL PER GENERAL NOTES

EXIST. AREAWAY STAIR & SITE WALLS TO REMAIN

1
S101
FIRST FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

"I AM RESPONSIBLE FOR DETERMINING THAT THE STRUCTURAL ENGINEERING DESIGNS INCLUDED IN THE APPLICATION ARE IN COMPLIANCE WITH ALL LAWS AND REGULATIONS OF THE DISTRICT OF COLUMBIA. I HAVE PERSONALLY PREPARED, OR DIRECTLY SUPERVISED THE DEVELOPMENT OF THE STRUCTURAL ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION."

CHRISTOPHER A. COBB
PE907006

**1929**

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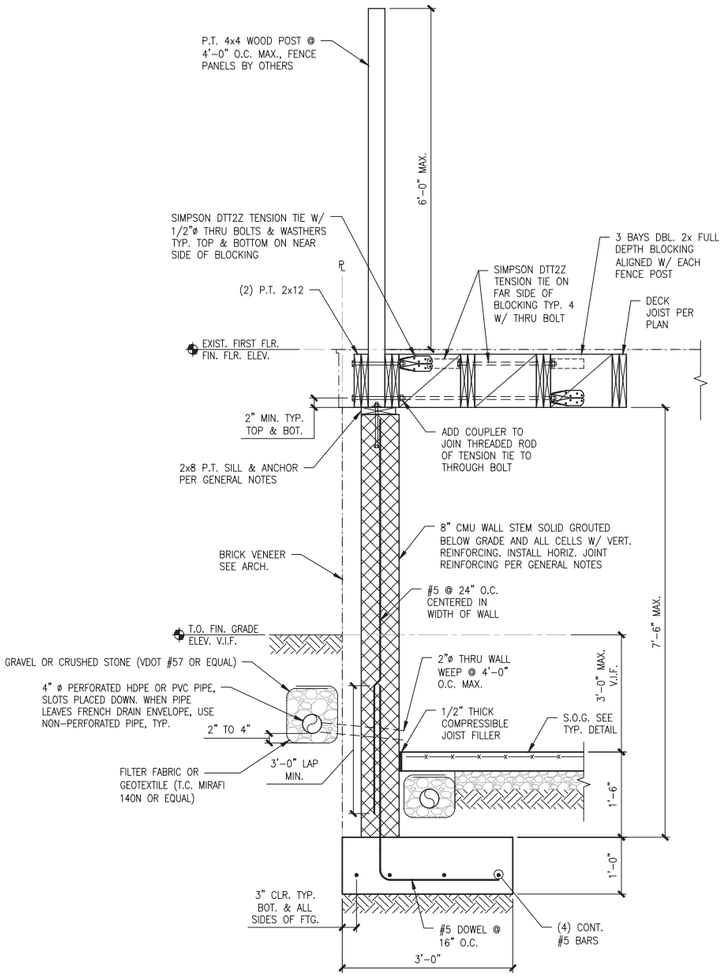
# STEINBERG-KUHN RESIDENCE II

1524 30TH STREET, NW
WASHINGTON, DC 20007

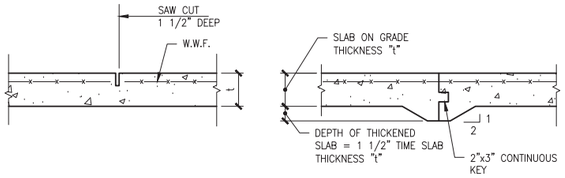
**DRAWING:** FIRST FLOOR FRAMING PLAN
**ISSUED:**
01-10-2020 PERMIT SET

S101




1 / S200 SECTION

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

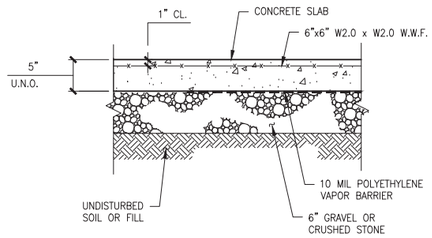



SAWED CONTRACTION JOINT

MAXIMUM DISTANCE BETWEEN CONTRACTION JOINTS IN INCHES IS 36 TIMES SLAB THICKNESS

CONSTRUCTION JOINT

ADDITIONAL REINFORCEMENT AT ALL RE-ENTRANT CORNERS



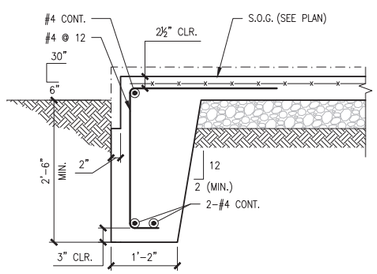

SLAB ON GRADE

NOTES:

1. SAWED CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING IN INCHES OF 36 TIMES THE SLAB THICKNESS. JOINTS SHALL BE SAWED NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED.
2. GRAVEL OR CRUSHED STONE BASE SHALL BE PLACED ON UNDISTURBED SOIL OR FILL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
3. SEE CONC. NOTES FOR REQUIRED STRENGTH, AIR ENTRAINMENT AND W/C RATIO.

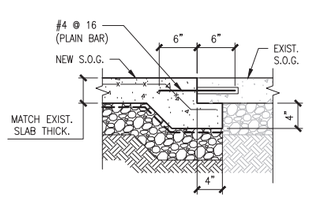
2 / S200 TYP. SLAB ON GRADE DETAIL

SCALE: N.T.S.




3 / S200 TYP. TURNED DOWN SLAB EDGE

SCALE: N.T.S.




4 / S200 TYP. ATTACHMENT OF NEW S.O.G. TO EXIST.

SCALE: N.T.S.

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DISTRICT OF COLUMBIA CHRISTOPHER A. COBB PE901006 PROFESSIONAL ENGINEER

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DRAWING: DETAILS
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S200