

## PLANS / ELEVATIONS



H

# TSUNAMI HAIR STUDIO EXPANSION

## 2320

G

F

E

D

C

B

A



LOCAL  
ARCHITECTS+DESIGNERS

54 HAWTHORNE CT NE  
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PROJECT NO 2320

## TSUNAMI HAIR STUDIO EXPANSION

TSUNAMI HAIR STUDIO  
2448 BENNING RD NE  
WASHINGTON DC, 20019  
CLIENT  
LaToya Liles- Walker

PROJECT TEAM  
ARCHITECT  
LOCAL ARCHITECTS + DESIGNERS  
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STRUCTURAL  
JH ENGINEERING LLC  
44 GLEN OAK COURT  
WESTMINSTER, MD 21158

| # | DESCRIPTION | DATE |
|---|-------------|------|
|---|-------------|------|



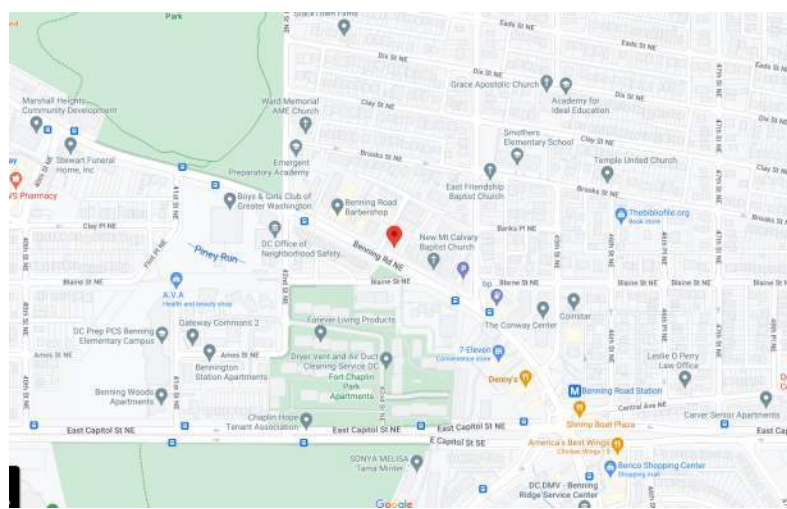
TITLE

COVERSHEET

# G-100

SCALE

### LOCATION MAP



### NARRATIVE

Shipping containers will be installed onto a new concrete foundation in the rear yard of Tsunami Hair Salon. The containers will be used for storage.

Electrical service to the new containers will be extended from an existing electrical panel located within the salon, to a new electrical sub panel mounted within one of the containers.

### DRAWING LIST

- |   |  |
|---|--|
| GENERAL                                       | MECHANICAL   |
| G-100 COVERSHEET                              | M0.0 MECHANICAL COVER SHEET                                |
| G-101 GENERAL NOTES                           | M1.0 MECHANICAL FLOOR PLANS                                |
| G-102 ACCESSIBILITY DIAGRAMS                  | M2.0 MECHANICAL SCHEDULES                                  |
| G-103 EGRESS & OCCUPANCY                      | M3.0 MECHANICAL DETAILS                                    |
| ARCHITECTURAL                                 | PLUMBING   |
| A-101 FLOOR PLANS - EXIST. & PROPOSED         | P0.0 PLUMBING COVER SHEET & FLOOR PLAN                     |
| A-102 ELEVATIONS                              | ELECTRICAL   |
| A-300 BUILDING SECTIONS                       | E0.0 ELECTRICAL COVER SHEET                                |
| A-600 SCHEDULES                               | E1.0 ELECTRICAL DETAILS, SCHEDULES & PARTIAL RISER DIAGRAM |
| STRUCTURAL                                    | E2.0 ELECTRICAL SPECIFICATIONS                             |
| S-001 GENERAL NOTES, TYP DETAILS & SECTIONS   | E3.0 ELECTRICAL FLOOR PLANS                                |
| S-100 FOUNDATIONS & FIRST FLOOR FRAMING PLANS |  |
| S-101 ROOF FRAMING PLAN & ABBREVIATIONS       |  |



APPLICABLE CONSTRUCTION CODES

- 2017 DC Building Code
- 2017 DC Electrical Code
- 2017 DC Mechanical Code
- 2017 DC Plumbing Code
- 2017 DC Fire Code
- DC Energy Conservation Code 2017 - Commercial Provisions
- 2017 DC Existing Building Code
- 2017 DC Green Construction Code

PROJECT CODE MATRIX

| PROJECT CODE MATRIX                         |                                |                       |   |           |  |
|---|--------------------------------|-----------------------|---|-----------|--|
| CODE PARAMETER                              | CHAPTER / ARTICLE              | ORDINANCE REQUIREMENT | ACTUAL PROVIDED                               | SHEET NO. | REMARKS  |
| PART 1 - BUILDING INFORMATION               |                                |                       |   |           |  |
| SQUARE                                      |                                |                       | 5087  |           |  |
| LOT   |                                |                       | 0856  |           |  |
| ZONE  |                                |                       | RA-1  |           |  |
| LOT AREA                                    |                                |                       | 2,039 SF                                      |           |  |
| PROPOSED BUILDING FOOTPRINT                 |                                |                       |   |           |  |
| LOT OCCUPANCY ( BLDG FOOTPRINT / LOT AREA ) | SUBTITLE F, CHAPTER 3-3, 304   | 40% MAX               | 1,413 SF<br>1,41324 SF / 2,039 SF = .69 = 69% |           |  |
| PROPOSED GROSS FLOOR AREA (GFA)             |                                |                       |   |           |  |
| FAR ( GFA / LOT AREA )                      | SUBTITLE F, CHAPTER 3-1, 302   | MAX .9                | 2,275 SF<br>2,275 SF / 2,039 SF = 1.12        |           |  |
| CONSTRUCTION TYPE                           |                                |                       |   |           |  |
| CLASSIFICATION - ZONING USE GROUP           |                                |                       | TYPE VB                                       |           | BY 1964 BZA CHANGE OF USE ORDER                            |
| CLASSIFICATION - IBC OCCUPANCY GROUP        |                                |                       | GENERAL SERVICES - HAIR & BEAUTY SALON        |           |  |
| GREEN AREA RATIO ( GAR )                    | SUBTITLE C, CHAPTER 6-1, 601.3 | EXEMPT                | GROUP S - STORAGE                             |           | See "GAR Exemption Status Application.pdf" supporting doc. |
| PART 2 - BUILDING CODE REQUIREMENTS         |                                |                       |   |           |  |
| R-VALUES                                    |                                |                       |   |           |  |
| - R-VALUES - WALLS, BELOW GRADE             |                                | R-8 c.i.              | R-10 c.i.                                     |           |  |
| - R-VALUES - WALLS, ABOVE GRADE             |                                | R-17.5 c.i.           | R-17.5 c.i.                                   |           |  |
| - R-VALUES - ROOFS                          |                                | R-21 + R-12 Ls        | R-21 + R-12 Ls                                |           |  |
| - R-VALUES - FLOORS                         |                                | R-33                  | R-33  |           |  |
| U-VALUES                                    |                                |                       |   |           |  |
| - U-VALUE - WINDOWS                         |                                | U-0.33 max            | U-0.33  |           |  |
| - U-VALUE - DOORS                           |                                | U-0.69 max            | U-0.69  |           |  |
| SHGC  |                                | SHGC-0.36             | SHGC-0.36                                     |           |  |

ABBREVIATIONS

|        |                            |       |                        |
|--------|----------------------------|-------|------------------------|
| AC     | AIR CONDITIONING           | INCL  | INCLUDED               |
| ACM    | ALUM COMPOSITE METAL PANEL | INSUL | INSULATION             |
| ACP    | ACCOUSTICAL CEILING PANEL  | JT    | JOINT                  |
| AD     | AREA DRAIN                 | KS    | KITCHEN SINK           |
| AFF    | ABOVE FINISH FLOOR         | LAM   | LAMINATE               |
| AHU    | AIR HANDLING UNIT          | LAV   | LAVATORY               |
| ALT    | ALTERNATE                  | LL    | LIVE LOAD              |
| ALUM   | ALUMINUM                   | LV    | LOW VOLTAGE            |
| APPROX | APPROXIMATE                | LVT   | LUXURY VINYL TILE      |
| ARCH   | ARCHITECTURAL              | MAX   | MAXIMUM                |
| ASF    | ABOVE STRUCTURAL FLOOR     | MECH  | MECHANICAL             |
| AVG    | AVERAGE                    | MFR   | MANUFACTURER           |
| BD     | BOARD                      | MIN   | MINIMUM                |
| BITUM  | BITUMINOUS                 | MISC  | MISCELLANEOUS          |
| BLDG   | BUILDING                   | MO    | MASONRY OPENING        |
| BO     | BOTTOM OF                  | MTL   | METAL                  |
| BTWN   | BETWEEN                    | MW    | MICROWAVE              |
| CAB    | CABINET                    | NIC   | NOT IN CONTRACT        |
| CFM    | CUBIC FEET PER MINUTE      | NO    | NUMBER                 |
| CJ     | CONTROL JOINT              | NOM   | NOMINAL                |
| CL     | CENTER LINE                | NTS   | NOT TO SCALE           |
| CLG    | CEILING                    | OC    | ON CENTER              |
| CLR    | CLEAR                      | OFD   | OVERFLOW DRAIN         |
| CMU    | CONCRETE MANSONRY UNIT     | OS    | OVERFLOW SCUPPER       |
| ODD    | OD DETECTOR                | OSD   | OPEN SITE DRAIN        |
| COL    | COLUMN                     | PL    | PLATE                  |
| CONC   | CONCRETE                   | PLAM  | PLASTIC LAMINATE       |
| CONST  | CONSTRUCTION               | PT    | PAINT                  |
| CONT   | CONTINUOUS                 | QT    | QUARRY TILE            |
| CPT    | CARPET                     | R     | RADIUS                 |
| CT     | CERAMIC TILE               | RCP   | REFLECTED CEILING PLAN |
| D      | DEEP                       | RD    | ROOF DRAIN             |
| DBL    | DOUBLE                     | REF   | REFRIGERATOR           |
| DIA    | DIAMETER                   | REQD  | REQUIRED               |
| DIM    | DIMENSION                  | REV   | REVISION               |
| DL     | DEAD LOAD                  | RNG   | RANGE                  |
| DN     | DOWN                       | RO    | ROUGH OPENING          |
| DS     | DOWNSPOUT                  | SC    | SOLID CORE             |
| DW     | DISHWASHER                 | SD    | SMOKE DETECTOR         |
| DWG    | DRAWING                    | SF    | SQUARE FEET            |
| EA     | EACH                       | SH    | SHELF                  |
| EL     | ELEVATION                  | SST   | STAINLESS STEEL        |
| ELEC   | ELECTRICAL                 | ST    | STAINED                |
| EMER   | EMERGENCY                  | STD   | STANDARD               |
| EQ     | EQUAL                      | STL   | STEEL                  |
| EQPT   | EQUIPMENT                  | T&G   | TONGUE AND GROOVE      |
| EXIST  | EXISTING                   | THK   | THICKNESS              |
| EXT    | EXTERIOR                   | TO    | TOP OF                 |
| FD     | FLOOR DRAIN                | TYP   | TYPICAL                |
| FDTN   | FOUNDATION                 | UNO   | UNLESS NOTED OTHERWISE |
| FL     | FLOOR DRAIN                | VERT  | VERTICAL               |
| FO     | FACE OF                    | VIF   | VERIFY IN FIELD        |
| FURN   | FURNACE                    | W     | WIDE                   |
| G DISP | GARBAGE DISPOSAL           | WI    | WITH                   |
| GA     | GAGE or GAUGE              | WID   | WASHER / DRYER         |
| GFCI   | GROUND FAULT CIRCUIT       | WIO   | WITHOUT                |
|        | INTERRUPTER                | WC    | WATER CLOSET           |
|        |                            | WD    | WOOD                   |
| GWB    | GYPNUM BOARD               | WH    | WATER HEATER           |
| HC     | HOLLOW CORE                | WIC   | WALK-IN CLOSET         |
| HM     | HOLLOW METAL               | WP    | WATERPROOF             |
| HORIZ  | HORIZONTAL                 | WWF   | WELDED WIRE FABRIC     |
| HT     | HEIGHT                     |       |                        |
| IGU    | INSULATED GLAZING UNIT     |       |                        |

GENERAL NOTES

- A. PERFORMANCE OF THE WORK

01 ALL PARTIES PERFORMING WORK OF THE PROJECT SHALL COMPLY WITH ALL APPLICABLE NATIONAL, FEDERAL, STATE, REGIONAL, LOCAL, AND MUNICIPAL CODES, STANDARDS, AND ORDINANCES.

02 PERFORMANCE OF THE WORK SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND THE REQUIREMENTS, POLICIES AND PROCEDURES OF THE OWNER.

03 INVESTIGATE EXISTING CONDITIONS; VERIFY AND BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE PROJECT. NOTIFY THE ARCHITECT IN WRITING OF ANY CONDITIONS CONTRARY TO THE CONTRACT DOCUMENTS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.

04 ACCEPTANCE OF THE WORK BY THE OWNER SHALL BE A CONDITION OF THE FULFILLMENT OF THE CONTRACT.

05 MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD, A CERTIFICATE OF INSURANCE FOR ALL LIABILITIES, WITH A HOLD HARMLESS CLAUSE, PROTECTING THE OWNER AND THE ARCHITECT.
- B. BIDDING AND CONTRACT DOCUMENTS

01 THE DRAWINGS SHALL BE ISSUED TOGETHER AND COMPLETELY AS A DOCUMENT SET FOR BIDDING AND CONSTRUCTION.

02 THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, EACH TO THE OTHER, AND WHAT IS CALLED FOR BY ONE SHALL BE AS BINDING AS IF CALLED FOR BY BOTH. FOR MATERIALS IDENTIFIED ON THE DRAWINGS, SEE THE SPECIFICATIONS FOR GENERAL, PRODUCT AND EXECUTION INFORMATION.

03 THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO INCLUDE EVERYTHING REQUISITE AND NECESSARY TO COMPLETE THE WORK EVEN IF EVERYTHING REQUIRED FOR SUCH WORK IS NOT SPECIFICALLY MENTIONED OR INDICATED.

04 NOTES AND REFERENCES RELATIVE TO DIFFERENT CONSTRUCTION MATERIALS, DETAILS, ASSEMBLIES AND SYSTEMS APPEAR ON VARIOUS SHEETS. SUCH NOTES AND REFERENCES ON ANY ONE SHEET ARE APPLICABLE TO RELATED DRAWINGS THROUGHOUT THE SET.

05 SHOULD A DISCREPANCY BETWEEN NOTES, DRAWINGS AND/OR TECHNICAL SPECIFICATIONS BE DISCOVERED, SUBMIT WRITTEN REQUEST TO THE ARCHITECT FOR RESOLUTION OF THE DISCREPANCY.

06 KEYNOTES TAGGED TO THE DRAWINGS WITH NUMBERED OR LETTERED SYMBOLS ARE TYPICAL FOR ALL SIMILAR CONDITIONS WHETHER TAGGED OR NOT.

07 DETAILS SHOWN ARE INDICATIVE OF PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK.

08 DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILS SHOWN.

09 DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN. PRINTED DRAWINGS MAY BE REPRODUCED AT A SCALE DIFFERENT THAN INTENDED BY THE ORIGINAL DRAWING. SUBMIT WRITTEN REQUEST TO THE ARCHITECT FOR RESOLUTION OF ANY DIMENSIONAL DISCREPANCIES.

10 VERIFY ALL DIMENSIONS, INCLUDING BUT NOT LIMITED TO EXISTING CONDITIONS, LAYOUT OF THE WORK, AND WORK ALREADY INSTALLED BEFORE PROCEEDING WITH NEW WORK.

11 WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- C. COORDINATION & SUBSTITUTION

01 COORDINATE WORK OF ALL TRADES WITH ONE ANOTHER IN ORDER TO AVOID INTERFERENCES, TO PRESERVE MAXIMUM HEAD ROOM AND TO AVOID OMISSIONS.

02 ALL ADDITIONAL COSTS, INCLUDING ALTERATION COSTS OF WORK ALREADY INSTALLED, RESULTING FROM SUBMITTALS AND SHOP DRAWINGS NOT SUBMITTED IN A TIMELY MANNER, AND NOT ALLOWING RELATED WORK TO BE INSTALLED FOR THE PROPER INSTALLATION OF THE SUBJECT WORK, SHALL BE THE SUBMITTING CONTRACTOR'S RESPONSIBILITY.

03 PROPOSED CHANGES TO ANY CONSTRUCTION MATERIALS, DETAILS, ASSEMBLIES AND SYSTEMS, ETC. SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT IN ACCORDANCE WITH THE PROJECT MANUAL.

04 ACCEPTED SUBSTITUTIONS REQUIRE THAT THE CONTRACTOR RESPONSIBLE FOR THE PROPOSED CHANGE TO FULLY COORDINATE WITH ALL TRADES AFFECTED BY THE SUBSTITUTION WITH RESPECT TO, BUT NOT LIMITED TO, DIMENSIONS, CLEARANCES, CONNECTIONS, ETC., REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION. SUBSTITUTING CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL RELATED COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING RELATED COSTS OF OTHER TRADES OR ALTERATION COSTS TO ADAPT ANOTHER'S INSTALLED WORK.
- D. CONSTRUCTION PREMISES

01 KEEP PREMISES IN A BROOM SWEEP FINISH CONDITION DURING ALL PHASES OF THE CONSTRUCTION. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP AND DISPOSING OF THEIR DEBRIS AND WASTE MATERIALS ON A REGULAR BASIS AND LEAVE THE PROJECT IN A BROOM SWEEP FINISH CONDITION UPON COMPLETION OF THEIR PORTION OF THE WORK.

02 PROTECT ALL EXISTING SITE ELEMENTS TO REMAIN FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. REPAIR OR REPLACE TO THE SATISFACTION OF THE OWNER, ALL ELEMENTS DAMAGED DURING THE PROJECT.

03 CLEAN AND WASH ALL WINDOW GLASS, MIRRORS, FLOORS AND WALL TILES UPON COMPLETION OF THE PROJECT.
- E. GENERAL DEMO NOTES

01 THE DEMOLITION CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ADHERENCE TO ALL LOCAL, STATE AND NATIONAL CODES AND ORDINANCES.

02 MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD A CERTIFICATE OF INSURANCE FOR ALL LIABILITIES WITH A HOLD HARMLESS CLAUSE PROTECTING THE OWNER AND ARCHITECT.

03 ALL WORK SHALL COMPLY WITH THE REQUIREMENTS, POLICIES, AND PROCEDURES OF THE OWNER.

04 ALL WORK SHALL BE THE HIGHEST QUALITY FOLLOWING THE CONTRACT DOCUMENTS, PROJECT SPECIFICATION AND RECOMMENDATIONS, AND THE BEST ACCEPTED TRADE PRACTICES AND STANDARDS.

05 THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT. THESE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL COMPLETION OF THE PROJECT. THE CONTRACTOR AND HIS SUB-CONTRACTORS SHALL FURNISH ALL OF ITEMS AND LABOR REQUIRED FOR THE FULL CONTRACT COMPLETION OF THIS PROJECT. ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT.

06 THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.

07 THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR NOTIFYING ALL AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. DISCONNECT AND/OR CAP UTILITIES AS REQUIRED AND DIRECTED.

08 THE CONTRACTOR SHALL CONDUCT DEMOLITION WORK IN AN ORDERLY AND CAREFUL MANNER. PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING THE COURSE OF THE WORK.

09 THE CONTRACTOR IS TO CEASE OPERATIONS IF SAFETY OF STRUCTURE APPEARS TO BE ENDANGERED. DO NOT RESUME OPERATION UNTIL SAFETY IS RESTORED.

10 UNLESS DIRECTED OTHERWISE REMOVE ALL DEMOLISHED MATERIAL FROM THE SITE IN AN APPROVED MANNER AS THE WORK PROGRESSES. DO NOT BURN OR BURY DEMOLISHED MATERIALS ON SITE. AT THE COMPLETION OF THE WORK, ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND THE SITE LEFT IN A CLEAN CONDITION.

11 PROTECT ALL FLOOR OPENINGS.

12 DRAWINGS AND SPECIFICATIONS ARE TO BE ISSUED TO THE SUB-CONTRACTORS IN COMPLETE SETS SO THAT THE FULL EXTENT OF WORK IS SHOWN AND COORDINATION OF WORK IS MADE POSSIBLE.

13 THE CONTRACTOR SHALL PROVIDE AND PLACE BRACING OR SHORING AS NECESSARY FOR SUPPORT OF STRUCTURES.

14 REMOVE ALL MISCELLANEOUS ITEMS FROM WALLS, CEILINGS, COLUMNS AND FLOORS. COLUMNS, WALLS & FLOORS TO BE SMOOTH & FREE OF ALL PROTRUDING OBJECTS, UNLESS NOTED OTHERWISE.

15 MAINTAIN (2) TWO MEANS OF EGRESS (MINIMUM) PER FLOOR DURING DEMOLITION WORK.

16 PROTECT EXISTING BUILDINGS AND ADJACENT SURFACES, FEATURES AND PROPERTY. REMOVE DEBRIS FROM SITE DAILY.

17 THE ARCHITECT HAS NO KNOWLEDGE AND SHALL NOT BE HELD LIABLE IF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE DISCOVERED DURING DEMOLITION. THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTION BEFORE PROCEEDING.

18 DO NOT SCALE DRAWINGS.

19 REFER TO ALL DRAWINGS AND SPECIFICATIONS FOR FULL COORDINATION OF WORK.

20 REFER TO SURVEY FOR SITE INFORMATION. CONTRACTOR TO VERIFY ALL INFORMATION.

21 THE PREMISES SHALL BE KEPT IN A BROOM SWEEP FINISH CONDITION DURING DEMOLITION WORK. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR CLEANING UP AND DISPOSING OF THEIR LITTER AND LEFT OVER MATERIALS ON A REGULAR BASIS AND LEAVE THE PROJECT A BROOM FINISH CONDITION UPON COMPLETION OF THEIR PORTION OF THIS PROJECT.

22 ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES IN ORDER TO AVOID INTERFERENCES AND OMISSIONS.

23 THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND BARRICADES AROUND THE SITE, AS REQUIRED, AND AT ANY OPENINGS THAT MIGHT PRESENT A HAZARD.
- F. MISCELLANEOUS

01 ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT MOLECULAR BREAKDOWN.

02 REFER TO DRAWINGS OF ALL DISCIPLINES FOR EQUIPMENT REQUIRING CONCRETE EQUIPMENT PADS. PROVIDE SUCH PADS, COORDINATING THEIR SIZES AND LOCATIONS. REVIEW LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

03 COMPLETELY CONNECT ALL EQUIPMENT AND PROVIDE ALL NECESSARY APPENDAGES. COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL.



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SYMBOL & MATERIAL LEGEND

DETAIL

X

AX

SHEET NUMBER

DETAIL CALLOUT

X

AX

ELEVATION TAG

SECTION

X

AX

SHEET NUMBER

EXISTING PARTITION TO REMAIN

NEW PARTITION

WALL TO BE DEMOLISHED

EXIST. WINDOW TO REMAIN

NEW WINDOW

WINDOW TO BE DEMOLISHED

X

WINDOW TAG

X

DOOR TAG

X

KEYNOTE TAG

X

ASSEMBLY TAG

X

REVISION TAG

X

LIGHT TAG

EXIST. DOOR TO REMAIN

NEW DOOR

DOOR TO BE DEMOLISHED

CONCRETE

GYPNUM

EARTH

BATT INSUL.

RIGID INSUL.

WOOD

GRAVEL

BRICK

CLAY TILE

CMU

STEEL

PLYWOOD

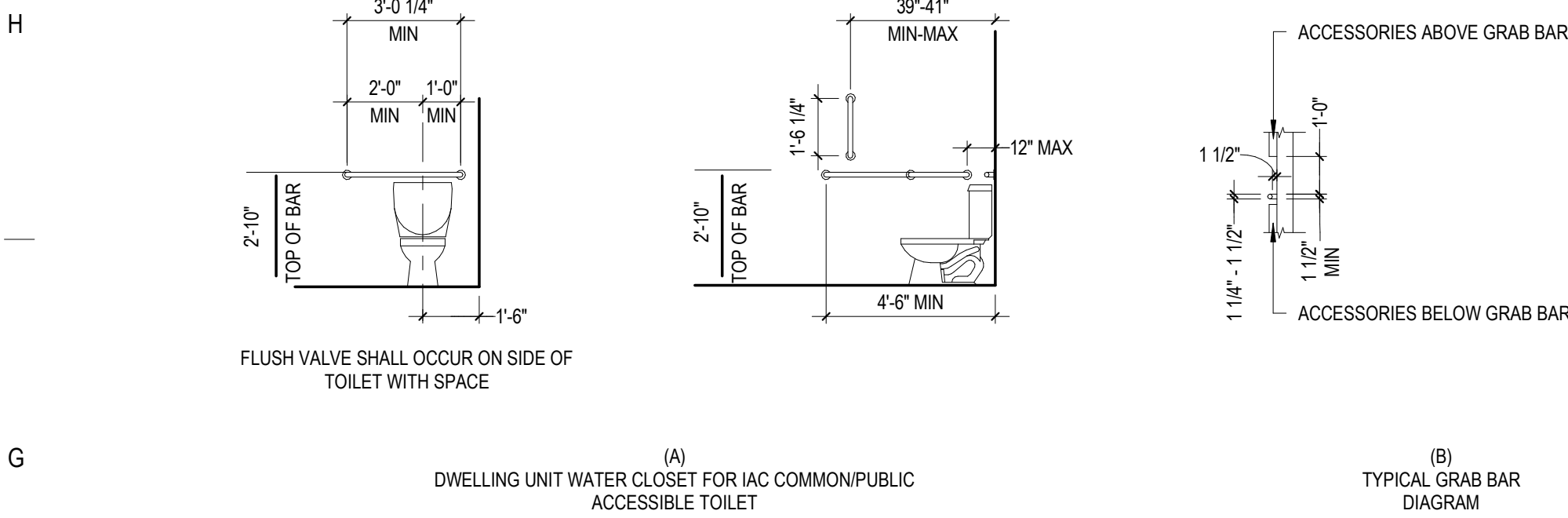
GENERAL NOTES

G-101

SCALE 1/4" = 1'-0"

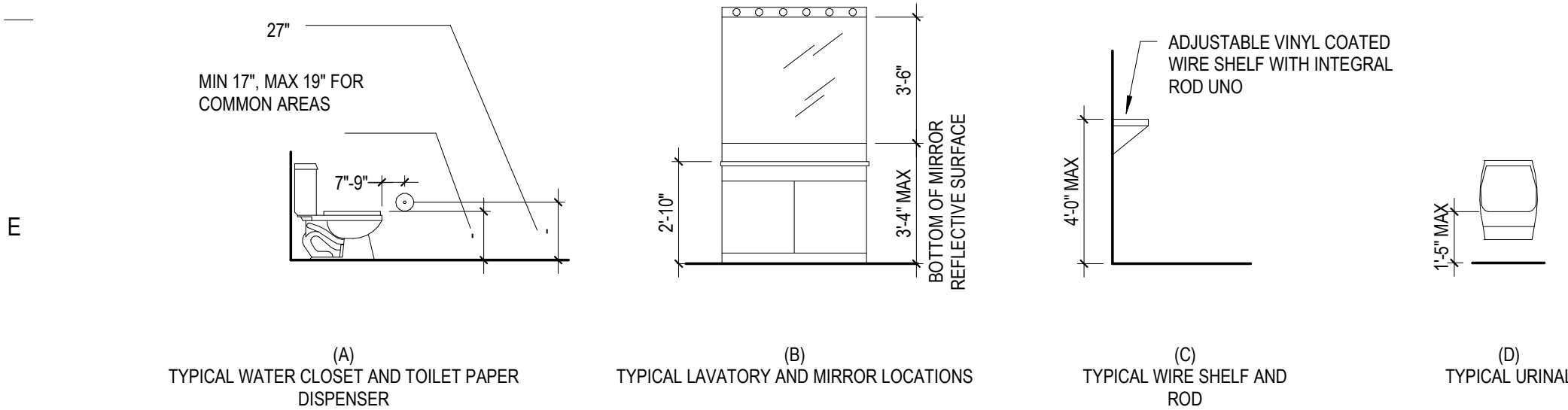


GRAB BAR DIAGRAMS

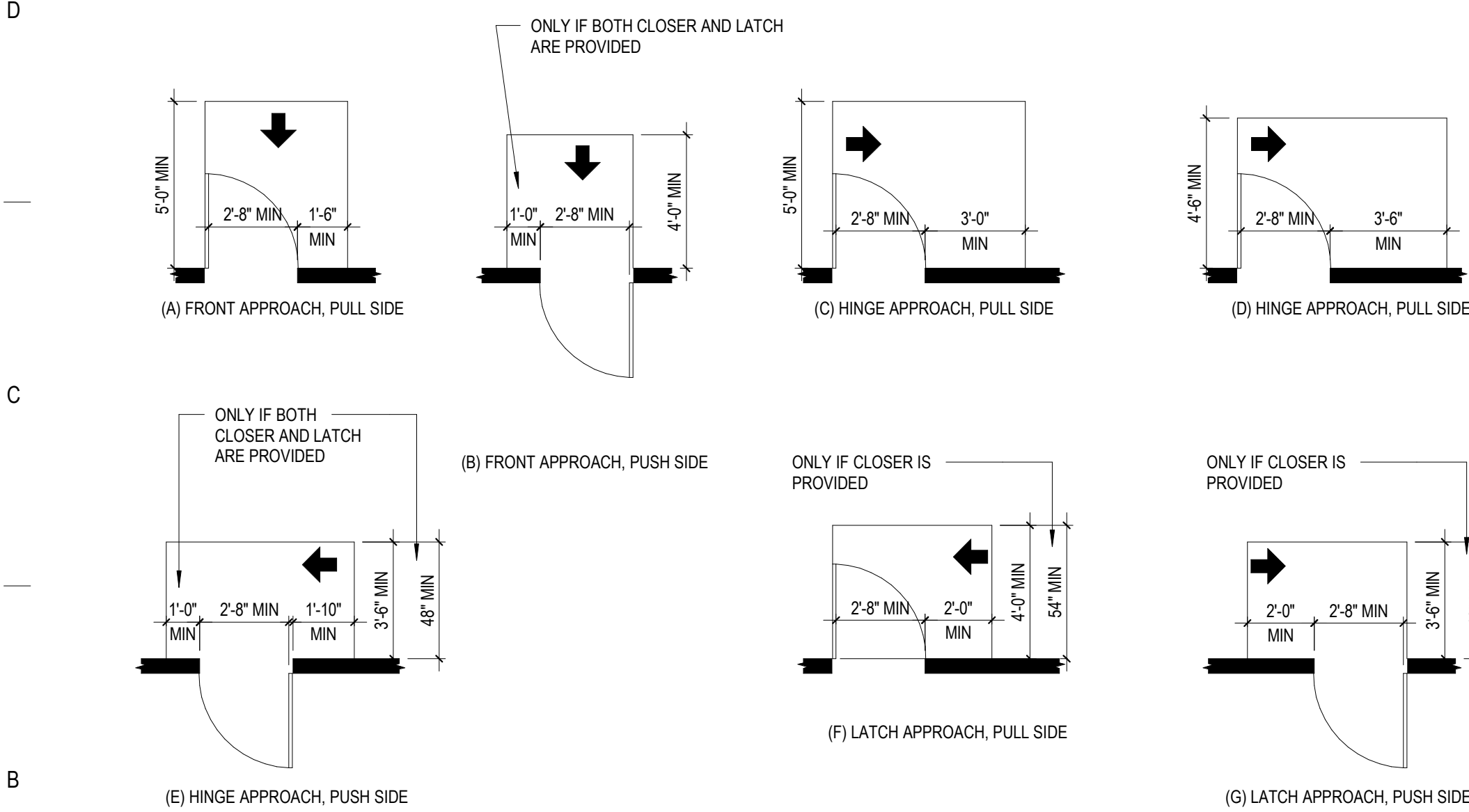


NOTES:  
1. ALL GRAB BARS AND BLOCKING SHALL COMPLY WITH ALL APPLICABLE ACCESSIBILITY CODES, STANDARDS, AND LAWS.  
2. BLOCKING SHALL BE INSTALLED AT TIME OF INITIAL CONSTRUCTION BEFORE PARTITIONS ARE CLOSED IN.  
3. GRAB BARS SHALL BE PROVIDED AT COMMON / PUBLIC ACCESSIBLE TOILETS.  
4. GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL BE ROUNDED.  
5. GRAB BARS SHALL NOT ROTATE WITHIN THE FITTINGS.  
6. STRUCTURAL STRENGTH OF MATERIALS, FASTENERS, MOUNTING DEVICES, AND SUPPORTING STRUCTURES SHALL RESIST A SINGLE FORCE OF 250 POUNDS APPLIED IN ANY DIRECTION AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICES, OR SUPPORTING STRUCTURES.

TYPICAL FIXTURE DIMENISONS

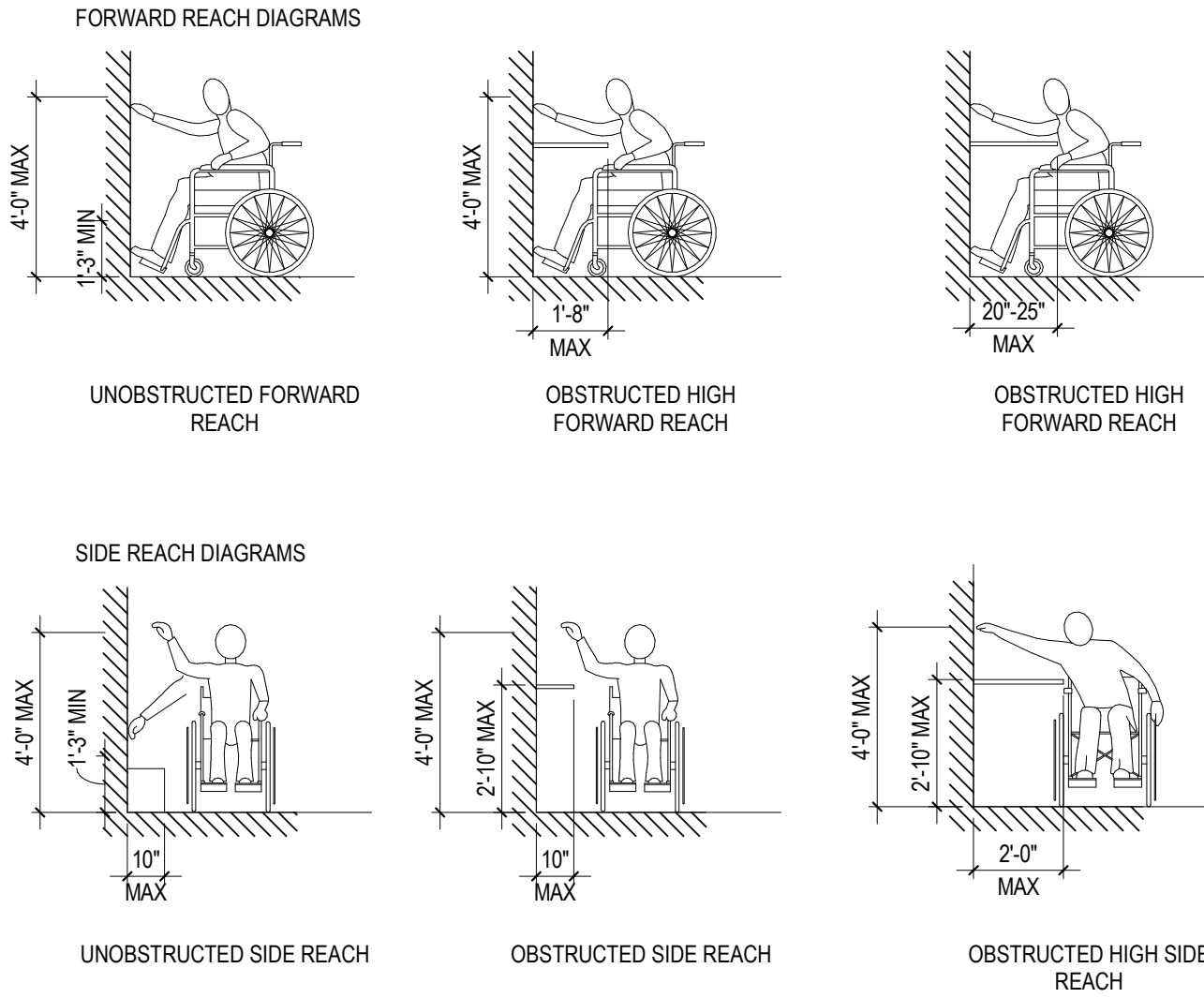


DOOR MANEUVERING DIAGRAMS

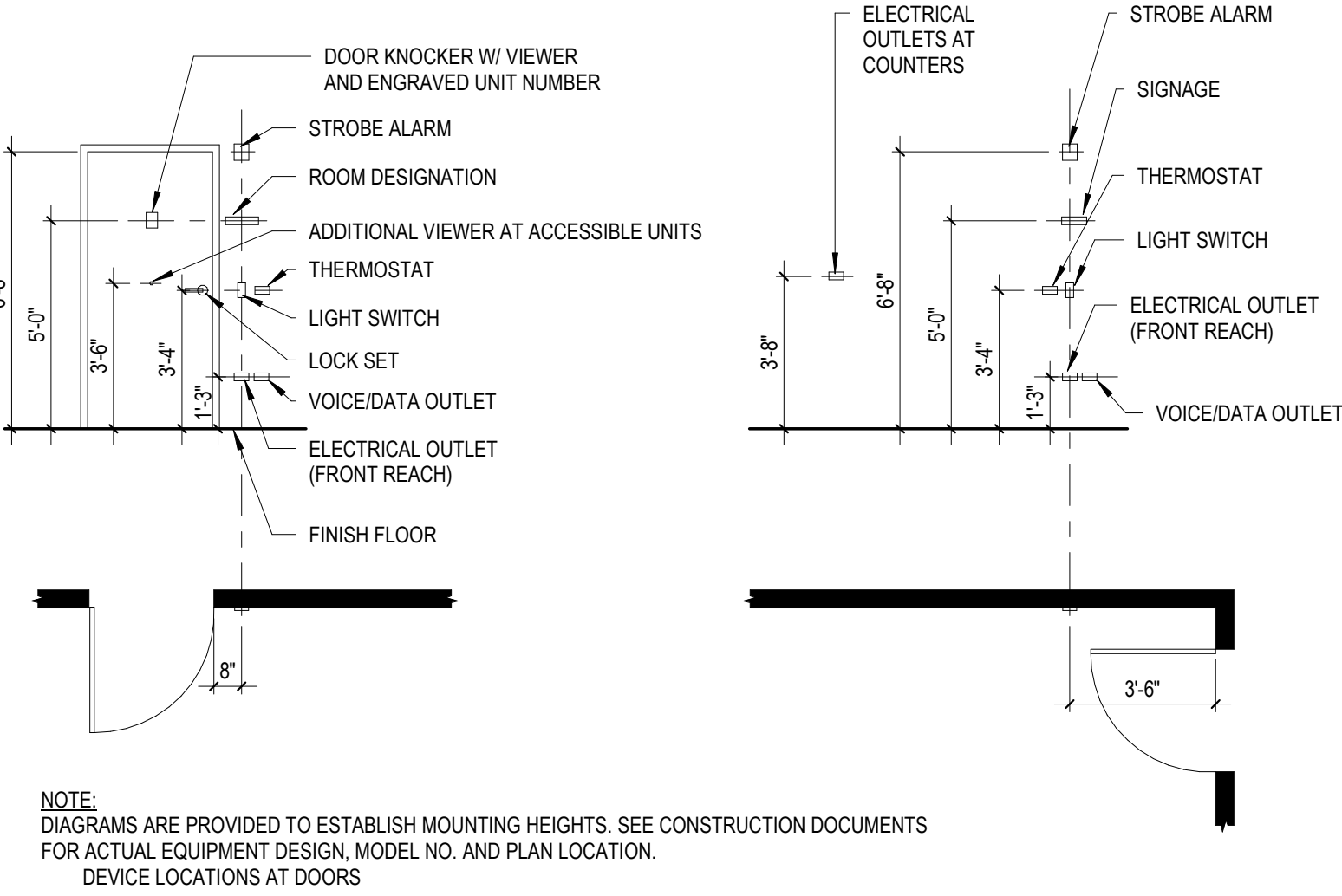


NOTES  
1. VERTICAL DIMENSIONS FOR BUILT-IN ACCESSORIES, CHASEWORK, COUNTERS, ELECTRICAL DEVICES, ELEMENTS, FEATURES, HARDWARE, PLUMBING FIXTURES, SIGNAGE, THERMOSTATS, ETC. REQUIRED TO BE IN COMPLIANCE WITH ACCESSIBILITY LAWS AND STANDARDS SHALL BE MEASURED FROM TOP OF FINISH FLOORING MATERIALS.

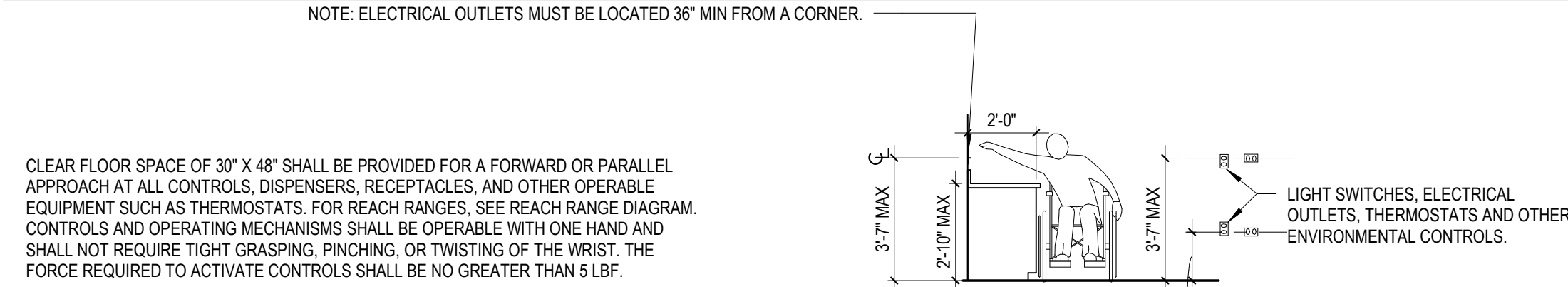
REACH RANGE DIAGRAMS



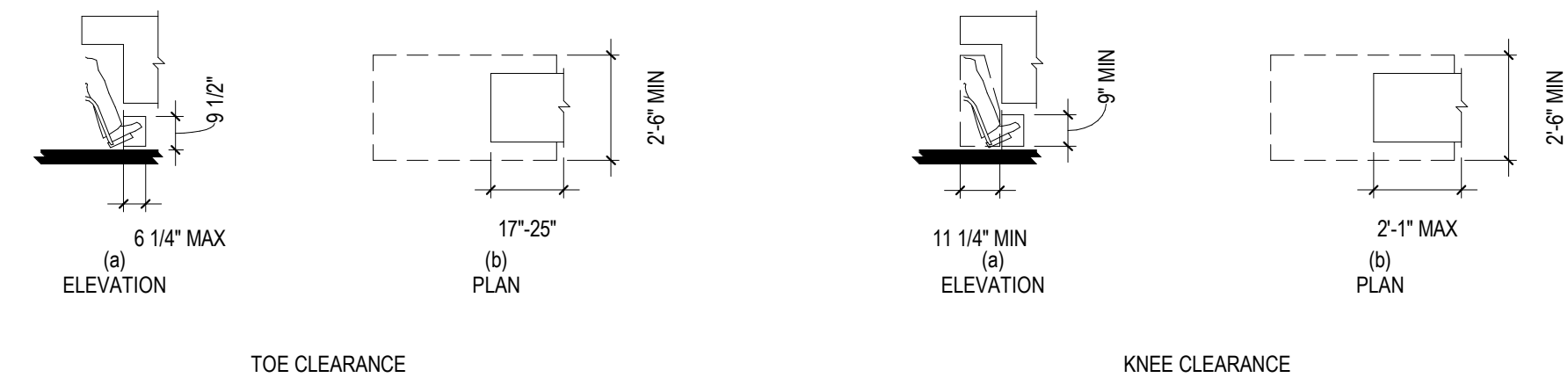
MOUNTING HEIGHT DIAGRAMS



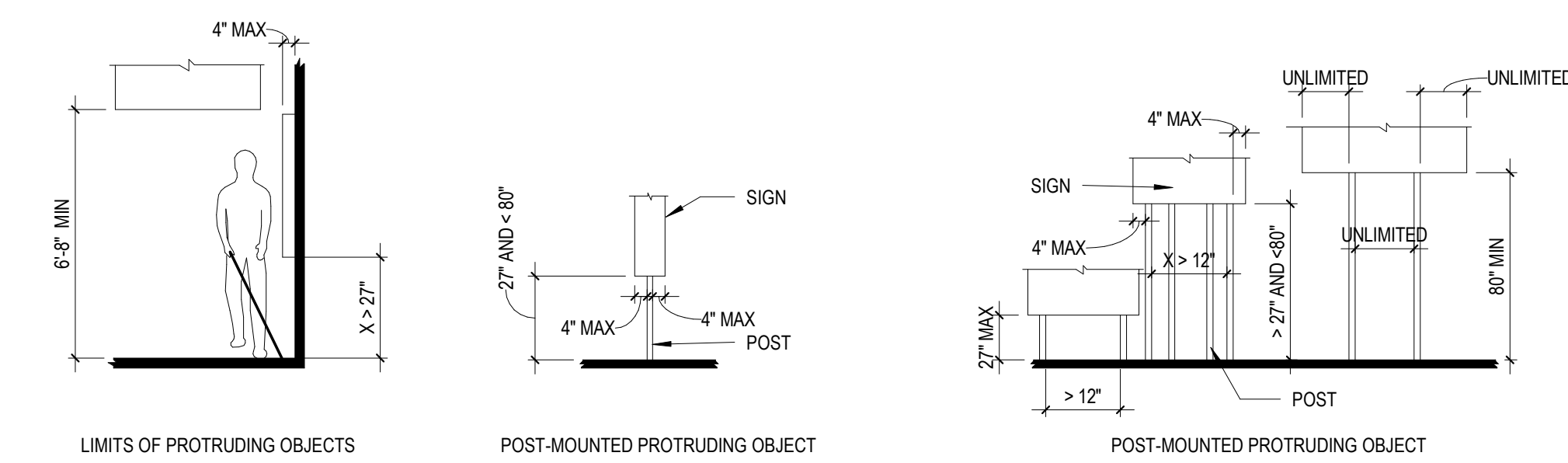
ENVIRONMENTAL CONTROLS DIAGRAM



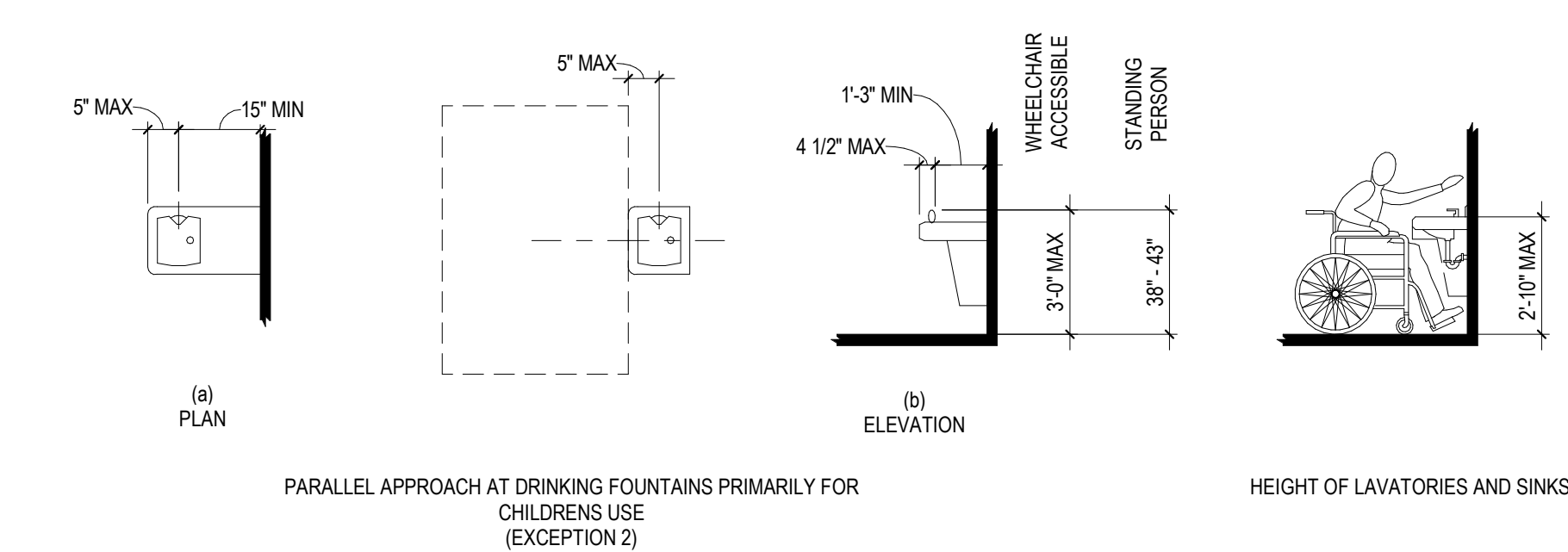
TOE AND KNEE CLEARANCE DIAGRAMS



PROTRUDING OBJECTS DIAGRAMS



LAVATORY AND DRINKING FOUNTAIN CLEARANCE DIAGRAMS



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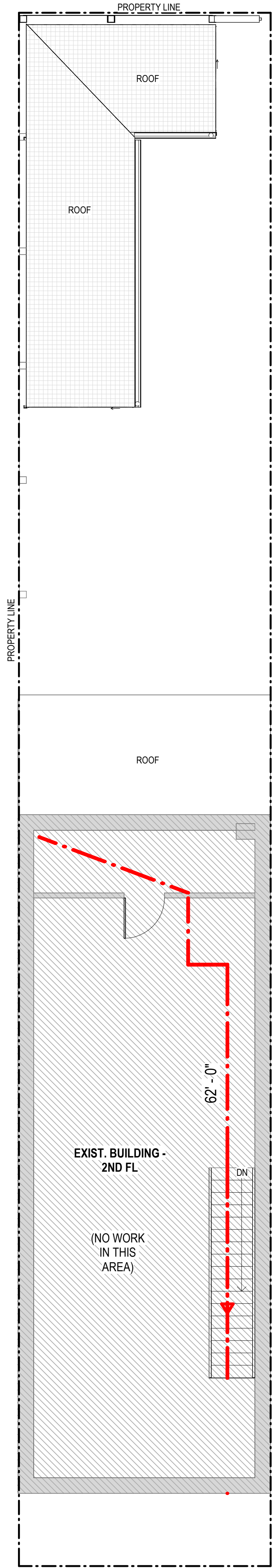
G-102

SCALE 1/4" = 1'-0"

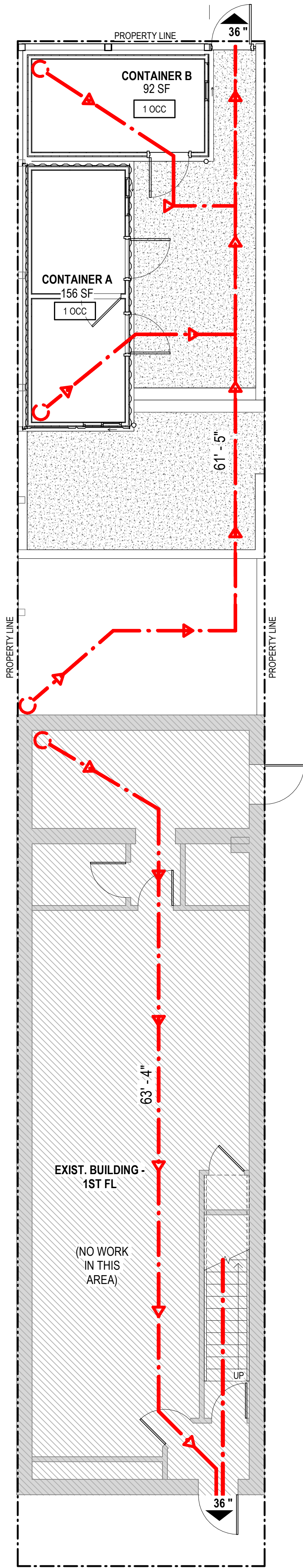


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H  
G  
F  
E  
D  
C  
B  
A



02 OCCUPANCY / EGRESS DIAGRAM - 2ND FLOOR  
3/16" = 1'-0"



01 OCCUPANCY / EGRESS DIAGRAM - 1ST FLOOR  
3/16" = 1'-0"

#### CODE ANALYSIS

|                               | EXISTING BUILDING<br>(NO CHANGES) | PROPOSED ACCESSORY<br>STRUCTURE |
|-------------------------------|-----------------------------------|---------------------------------|
| IBC OCCUPANCY CLASSIFICATION  | B - BUSINESS                      | S-1 - STORAGE                   |
| CONSTRUCTION TYPE             | V-B                               | V-B                             |
| BUILDING FULLY SPRINKLED      | NO                                | NO                              |
| NUMBER OF STORIES ABOVE GRADE | 2                                 | 1                               |
| GROSS FLOOR PLATE             | 1107                              | 266                             |
| FLOOR AREA OF RENOVATION      | 0                                 | 266                             |

#### OCCUPANCY CALCULATIONS ( PER 2012 IBC TABLE 1004.1.2 )

|                                    |  |  | EXISTING BUILDING<br>(NO CHANGES) |           | PROPOSED ACCESSORY<br>STRUCTURE |             | NOTES                      |  |
|------------------------------------|--|--|-----------------------------------|-----------|---------------------------------|-------------|----------------------------|--|
|                                    |  |  | AREA<br>(GSF)                     | OCCUPANTS | AREA<br>(GSF)                   | OCCUPANTS   |                            |  |
| OCCUPANCY COUNTS                   |  |  |                                   |           |                                 |             |                            |  |
| B - Business (100 gsf per person)  |  |  |                                   |           |                                 |             |                            |  |
| 1st Floor                          |  |  | 1107                              | 11.07     |                                 |             |                            |  |
| 2nd Floor                          |  |  | 947                               | 9.47      |                                 |             |                            |  |
| S-1 - Storage (300 gsf per person) |  |  |                                   |           |                                 |             |                            |  |
| Container A                        |  |  |                                   |           | 156                             | 0.52        |                            |  |
| Container B                        |  |  |                                   |           | 110                             | 0.366666667 |                            |  |
| TOTALS                             |  |  | 2054                              | 21        | 266                             | 2           | occupant counts rounded up |  |

#### EGRESS

|                          |                       |
|--------------------------|-----------------------|
| Required: 1-50 occupants | 1 exit, 34" min width |
|--------------------------|-----------------------|

#### LEGEND

|  |   |
|--|---|
|  | STARTING POINT                                  |
|  | INDICATES PROVIDED EGRESS WIDTH IN CLEAR INCHES |
|  | PROPERTY LINE                                   |
|  | EGRESS PATH & DIRECTION OF EGRESS               |
|  |   |



54 HAWTHORNE CT NE  
WASHINGTON, DC 20017  
202.750.0810

PROJECT NO 2320

## TSUNAMI HAIR STUDIO EXPANSION

TSUNAMI HAIR STUDIO  
2448 BENNING RD NE  
WASHINGTON DC, 20019

CLIENT  
LaToya Liles- Walker

#### PROJECT TEAM

ARCHITECT  
LOCAL ARCHITECTS + DESIGNERS  
54 HAWTHORNE CT NE  
WASHINGTON, DC 20017  
202.750.0810

STRUCTURAL  
JH ENGINEERING LLC  
44 GLEN OAK COURT  
WESTMINSTER, MD 21158

| # | DESCRIPTION | DATE |
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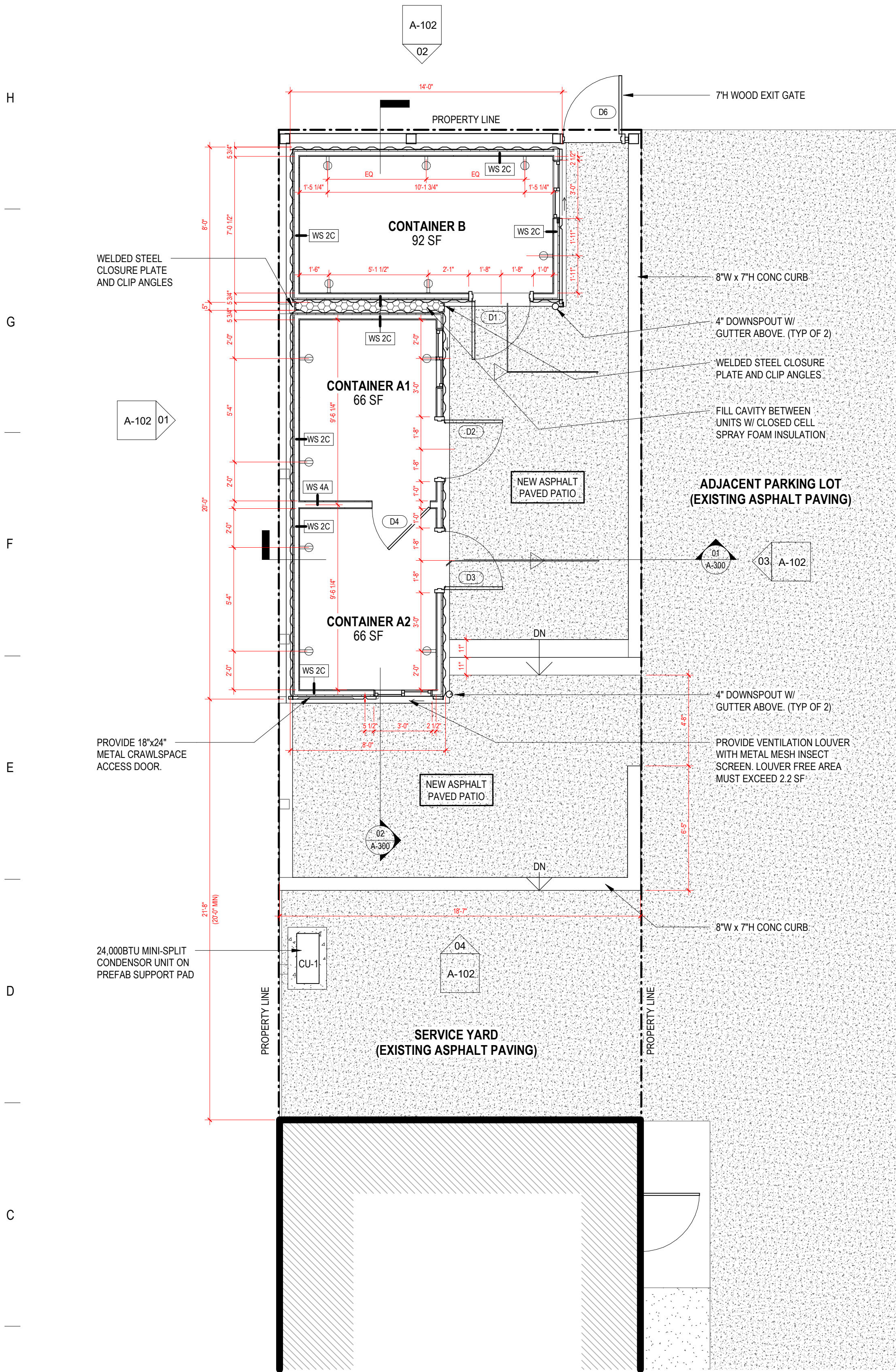
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## EGRESS & OCCUPANCY

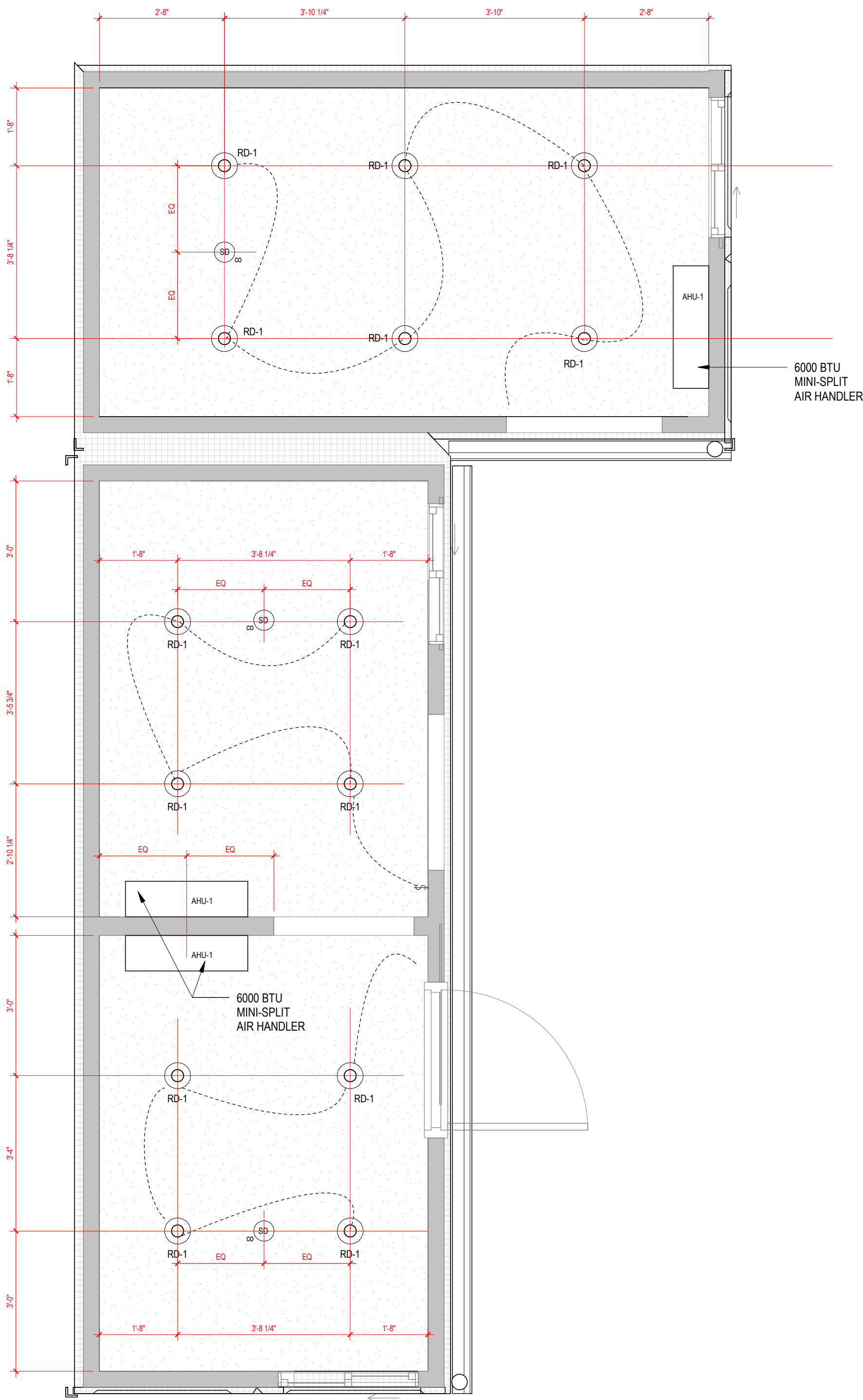
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SCALE As indicated





02 PLAN - PROPOSED CONTAINERS  
1/4" = 1'-0"



01 RCP - PROPOSED CONTAINERS  
1/2" = 1'-0"

LEGEND

- NEW PARTITIONS. SEE PARTITION TYPE NOTES & DIAGRAMS
- EXISTING PARTITIONS TO REMAIN UNCHANGED
- ITEM TO BE DEMOLISHED, REPAIRED, OR RELOCATED

LIGHT FIXTURES & DEVICES

- RD-1 4" RECESSED LED GIMBAL DOWNLIGHT. CANLESS, COLOR SELECTABLE, IC RATED. CONTRACTOR PROVIDED & INSTALLED
- SD-CO CEILING MOUNTED SMOKE / CO DETECTOR
- \$ SWITCH - SINGLE POLE. PROVIDE TOGGLE STYLE SWITCH TO MATCH EXISTING
- DP DUPLEX POWER RECEPTACLE

DEMOLITION NOTES

- THE SCOPE OF THIS WORK SHALL BE SELECTIVE DEMOLITION. AREAS OF WALLS, FLOORS, CEILINGS, FIXTURES, ELECTRICAL, MECHANICAL, AND NON-STRUCTURAL FRAMING SHALL BE REMOVED AS DELINEATED AND / OR NOTED HEREON. THE SELECTIVE DEMOLITION DOES NOT INCLUDE WORK WITHIN PUBLIC SPACE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERENCE TO THE SCOPE AND INTENT OF ALL APPLICABLE CODES, ORDINANCES, AND OSHA REQUIREMENTS INCLUDING BUT NOT LIMITED TO CHAPTER 1 OF THE DC BUILDING CODE, TITLE 12-A DCMR. SEE SHEET G-101 FOR ADDITIONAL APPLICABLE CONSTRUCTION CODES.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED LICENSES AND PERMITS PRIOR TO STARTING DEMOLITION WORK. CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS AND APPROVALS.
- CONTRACTOR TO PREPARE ALL DEMOLITION AREAS TO RECEIVE NEW CONSTRUCTION
- G.C. NOTIFY ALL UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. DISCONNECT AND/OR CAP UTILITIES AS REQUIRED AND DIRECTED.
- CONDUCT DEMOLITION WORK IN AN ORDERLY AND CAREFUL MANNER. PROTECT EXISTING SITE, TREES, AND CONSTRUCTION TO REMAIN. ADJACENT PROPERTIES AND PUBLIC WAYS FROM DAMAGE DURING THE WORK.
- REMOVE ALL DEMOLISHED MATERIAL FROM THE SITE IN A LEGAL MANNER AS THE DEMOLITION PROGRESSES, UNLESS MATERIAL IS INDICATED TO BE SALVAGED FOR AND DELIVERED TO THE OWNER. DO NOT BURN OR BURY DEMOLISHED MATERIALS ON SITE. AT THE COMPLETION OF THE WORK, ALL DEMOLISHED MATERIALS SHALL HAVE BEEN REMOVED AND THE SITE LEFT IN A CLEAN CONDITION.
- PROTECT ALL FLOOR OPENINGS (NEW AND EXISTING) AND PROTECT OPENINGS THAT MAY PRESENT A HAZARD.
- BOARD UP/PROTECT ALL EXTERIOR OPENINGS AS REQUIRED.
- UNLESS NOTED TO REMAIN, REMOVE ALL MISCELLANEOUS ITEMS FROM WALL, CEILING, COLUMN, AND FLOOR SURFACES TO REMAIN. COLUMNS, WALLS, AND CEILINGS TO BE SMOOTH AND FREE OF ALL PROTRUDING OBJECTS.
- ALL MECHANICAL, PLUMBING AND ELECTRICAL DEMOLITION SHALL BE DONE BY A LICENSED PLUMBER AND ELECTRICIAN, RESPECTIVELY

RCP NOTES

- COORDINATE ARCHITECTURAL LAYOUT OF CEILINGS WITH BUILDING SYSTEMS WORK AND FINISH LOCATIONS OF EXPOSED COMPONENTS THEROF. PRIOR TO INSTALLATION OF THE WORK, REFER DISCREPANCIES BETWEEN DRAWING LAYOUTS AND CONDITIONS OF INSTALLED STRUCTURAL WORK TO THE ARCHITECT FOR RESOLUTION.
- FOR GRIDDED CEILINGS, WHETHER GRIDS ARE EXPOSED OR NOT, CENTER GRIDS IN THE ROOMS, UNLESS NOTED OTHERWISE.
- IN FIELDS OF 2X2' ACOUSTICAL PANEL CEILINGS, WHEN PERIMETER PANELS ARE LESS THAN 4 INCHES WIDE, PROVIDE CUT 2X4' PANELS OF SAME PRODUCT AS THE 2X2' PANELS.
- CENTER LIGHT FIXTURES, DIFFUSERS AND GRILLES IN CEILING PANELS WHEN SUCH COMPONENTS ARE SMALLER THAN THE GRID MODULE.
- CEILING ELEVATIONS ARE NOMINAL AND ARE DIMENSIONED FROM FINISH FLOOR ELEVATION.
- PROVIDE CEILING GYPSUM BOARD CONTROL JOINTS AS SHOWN AND IN ACCORDANCE WITH INDUSTRY STANDARD BEST PRACTICE.



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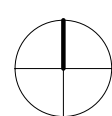
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WESTMINSTER, MD 21158

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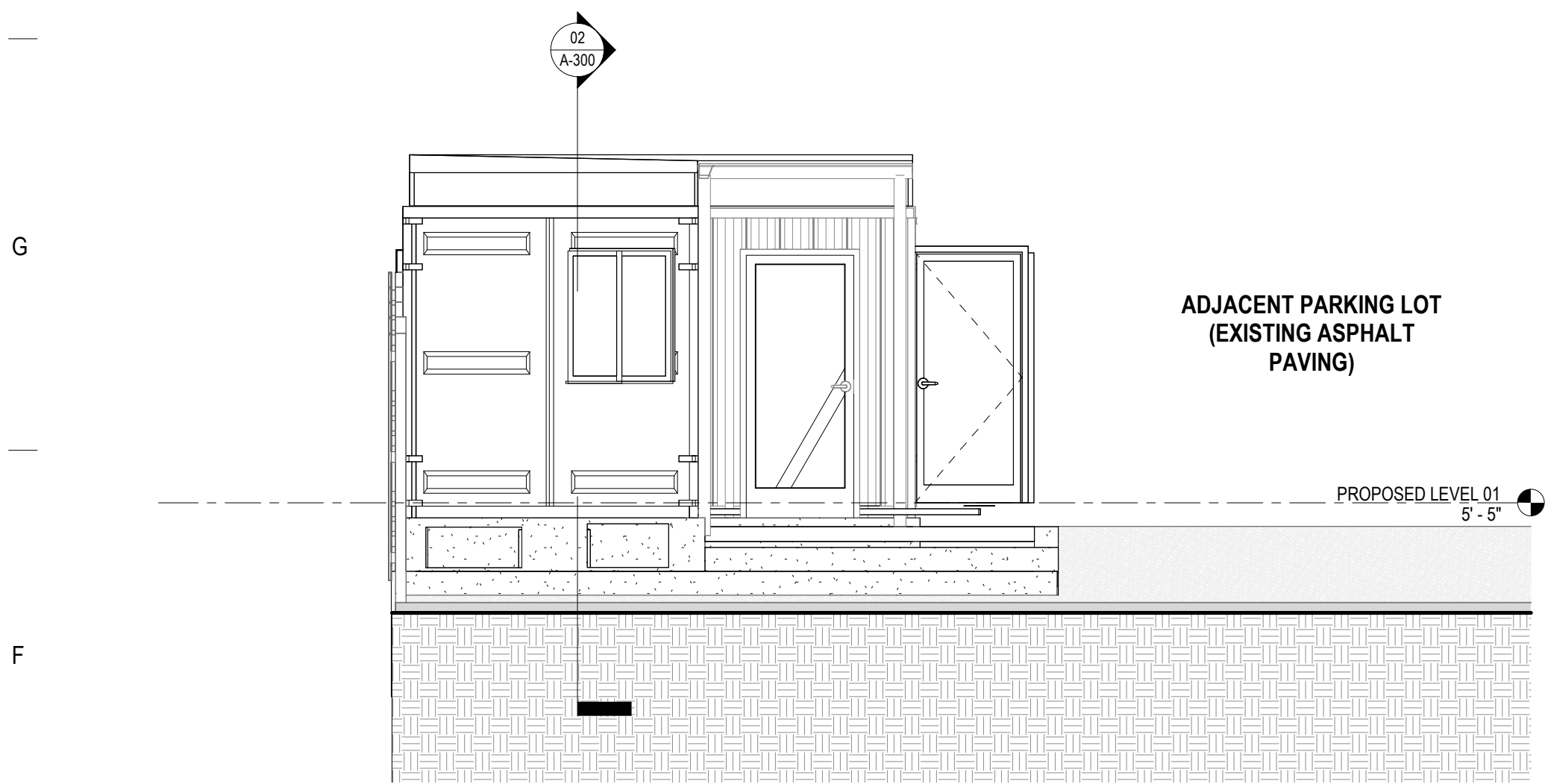
FLOOR PLANS - EXIST. & PROPOSED



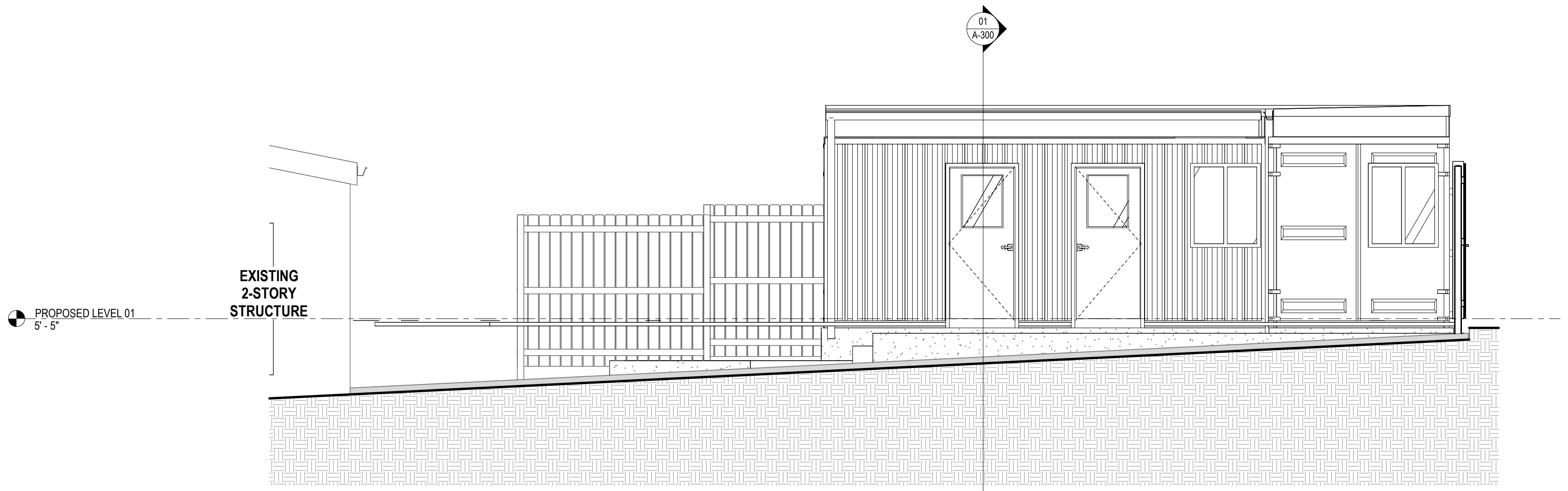
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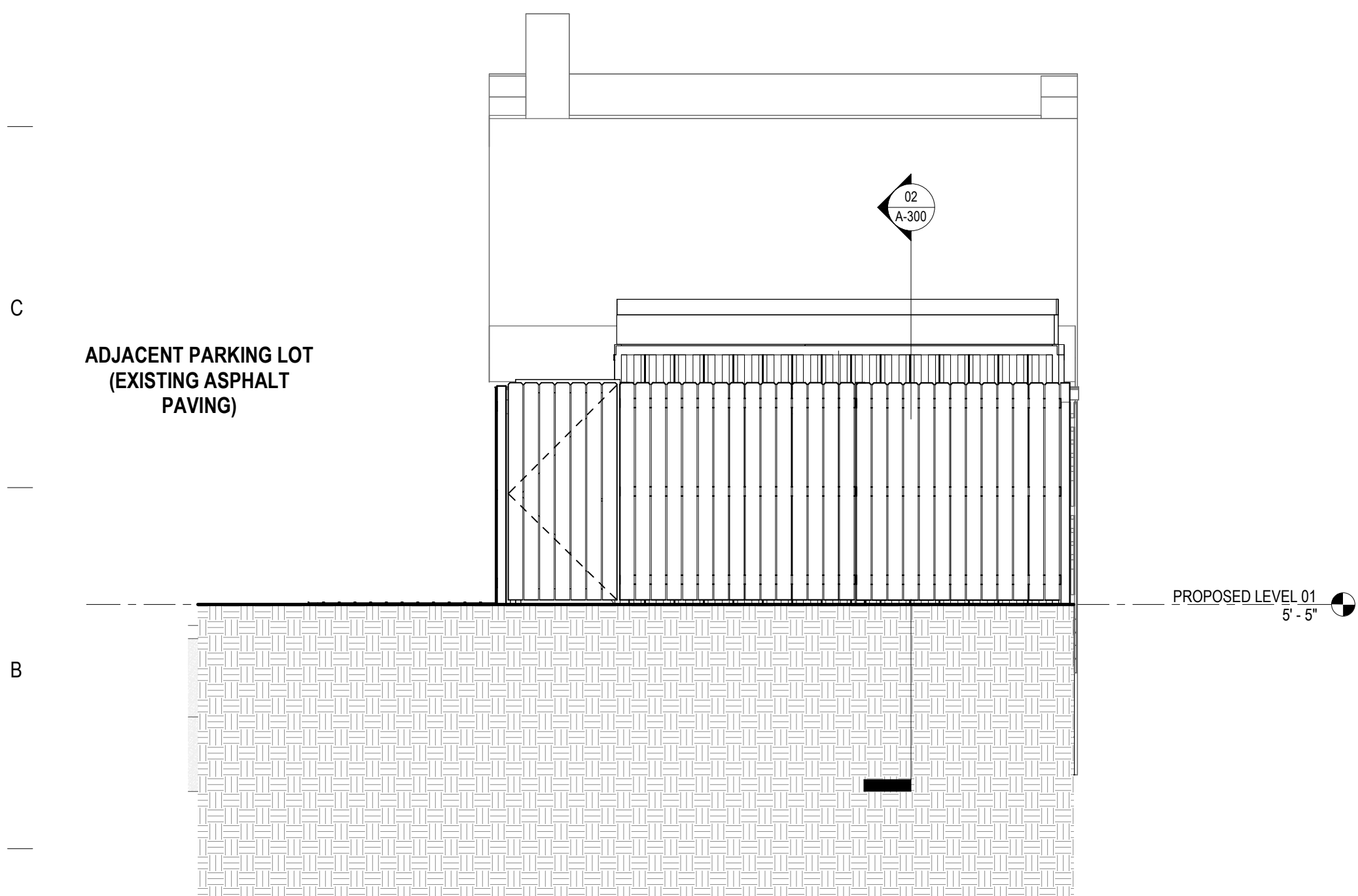




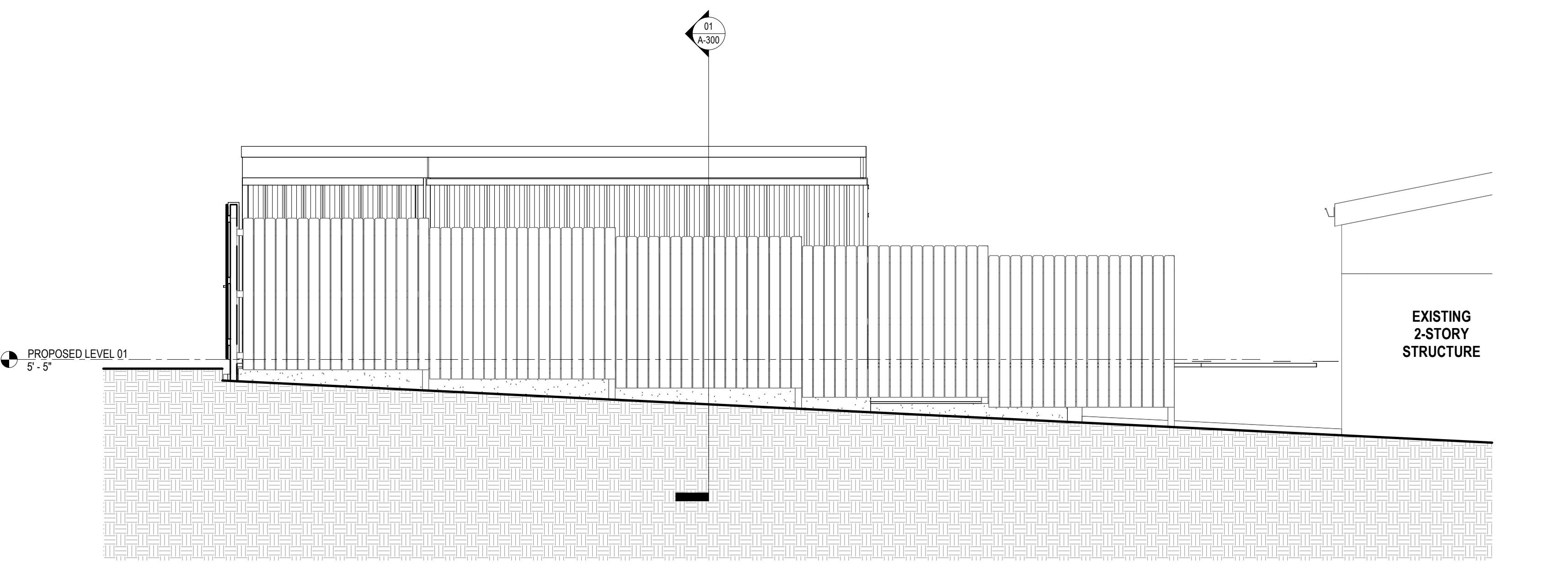
04 Elevation 5 - a  
1/4" = 1'-0"



03 Elevation 2 - a  
1/4" = 1'-0"



02 Elevation 4 - a  
1/4" = 1'-0"



01 Elevation 3 - a  
1/4" = 1'-0"

**LOCAL**  
ARCHITECTS+DESIGNERS

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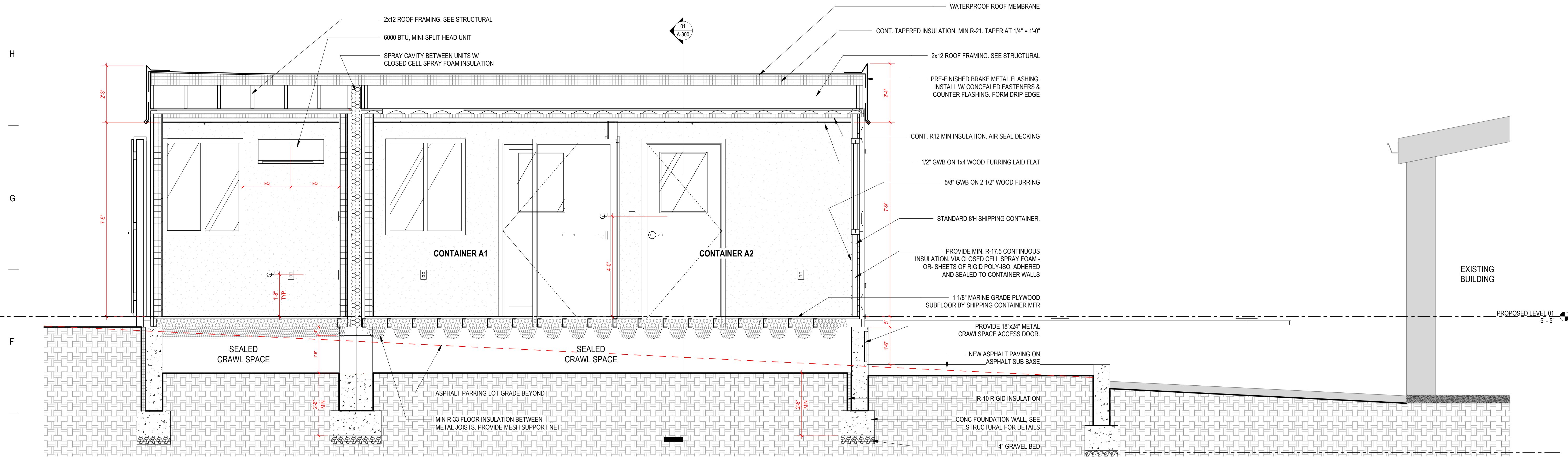
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ELEVATIONS

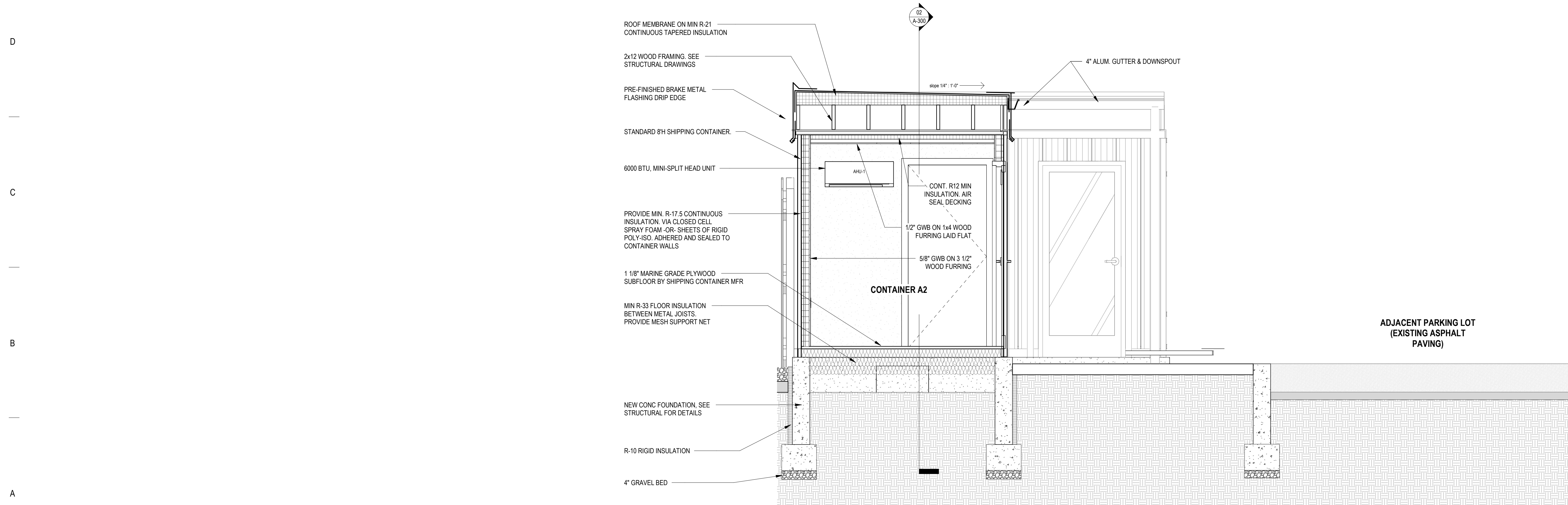
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SCALE 1/4" = 1'-0"

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02 Section 5  
1/2" = 1'-0"



01 Section 3  
1/2" = 1'-0"

**LOCAL**  
ARCHITECTS+DESIGNERS

54 HAWTHORNE CT NE  
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| # | DESCRIPTION | DATE |
|---|-------------|------|
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TITLE

BUILDING  
SECTIONS

**A-300**

SCALE 1/2" = 1'-0"



AIR LEAKAGE SEALING & INSULATION REQUIREMENTS

1. GC TO AIR SEAL THE ENTIRE STRUCTURE IN ACCORDANCE WITH THE SPECIFICATIONS BELOW, AND ALL APPLICABLE LOCAL CODES AND REGULATIONS. IN CASES WHERE A LOCAL CODE OR REGULATION EXCEEDS THE REQUIREMENTS HEREIN, THAT CODE OR REGULATION SHALL APPLY. IF THE LOCAL CODE OR REGULATION DOES NOT EXCEED THE REQUIREMENTS HEREIN, THEN THE REQUIREMENTS CONTAINED IN THIS SPECIFICATION SHALL APPLY.

A. ATTIC AIR LEAKAGE

|    |   |   |
|----|---|---|
| 01 | ATTIC HATCH/DOOR                        | WEATHER-STRIPPING PERMANENTLY ATTACHED TO CREATE AN EFFECTIVE AIR SEAL BETWEEN THE ATTIC ACCESS FRAME AND HATCH/DOOR  |
| 02 | PULL DOWN STAIR COVER                   | GASKET OR WEATHER-STRIPPING PERMANENTLY ATTACHED BETWEEN FRAME AND DOOR OR AIR-TIGHT COVER INSTALLED BETWEEN STAIRS AND ATTIC   |
| 03 | BATH FANS WITH HEAT SOURCE              | FIRE RATED MATERIALS SHALL BE USED. FOAM /CAULK/RIGID SHEET IF OPENING LARGER THAN 1 INCH   |
| 04 | ELECTRICAL PENETRATIONS                 | FOAM/CAULK OR OTHER AIR-TIGHT SEAL AROUND PERIMETER OF ELECTRICAL JUNCTION BOX  |
| 05 | PLUMBING PENETRATIONS                   | PENETRATIONS SEALED   |
| 06 | RECESSED CANS                           | FOAM/CAULK OR OTHER AIR-TIGHT SEAL BETWEEN FIXTURE AND CEILING OR INSTALL AIR TIGHT DRYWALL, SHEET METAL, OR OTHER NON COMBUSTIBLE ASSEMBLY, MAINTAIN 3" SPACE BETWEEN NON-IC RATED FIXTURES AND INSULATION ; DO NOT INSULATE ABOVE NON-IC RATED FIXTURES |
| 07 | DROP SOFFITS                            | RIGID MATERIAL COVERING ATTIC FLOOR OPENING AND SEALED WITH FOAM/CAULK  |
| 08 | DUCT PENETRATIONS                       | FOAM/CAULK OR OTHER AIR-TIGHT SEAL AROUND PERIMETER OF DUCT BOOTS BETWEEN THE BOOT AND THE SUBFLOOR   |
| 09 | KNEEWALL BOTTOM PLATES                  | FLOOR/FLOOR PLATE CONNECTION SEALED WITH FOAM/CAULK   |
| 10 | KNEEWALL TRANSITION (UNDER FLOOR PATHS) | RIGID MATERIAL BETWEEN JOISTS; FOAM/CAULK PERIMETER OF EACH RIM JOIST   |
| 11 | CHASES                                  | FOAM/CAULK/RIGID MATERIAL SEALED TO ATTIC FLOOR/WALL; USE FIRE RATED MATERIALS AT CHIMNEYS AND FLUES  |
| 12 | STUD WALL TOP PLATES                    | ACCESSIBLE DRYWALL TO TOP PLATE CONNECTIONS, WOOD TO WOOD SEAMS, OTHER WALL PENETRATIONS SEALED WITH FOAM/CAULK   |
| 13 | BATH FANS                               | FOAM/CAULK OR OTHER AIR-TIGHT SEAL AROUND FIXTURE PERIMETER   |

B. CRAWL SPACE/UNCONDITIONED BASEMENT

|    |                      |   |
|----|----------------------|---|
| 01 | SILL PLATE/STEM WALL | SILL PLATE TO STEM WALL CONNECTION SEALED WITH FOAM/CAULK             |
| 02 | RIM JOISTS           | RIGID MATERIAL BETWEEN JOISTS; FOAM/CAULK PERIMETER OF EACH RIM JOIST |

C. WALLS SEPARATING CONDITIONED SPACE FROM EXTERIOR/UNCONDITIONED SPACE

|    |                             |   |
|----|-----------------------------|---|
| 01 | PLUMBING PENETRATIONS       | FOAM /CAULK/RIGID MOISTURE RESISTANT MATERIAL IF OPENING LARGER THAN 1 INCH   |
| 02 | DOORS                       | WEATHER-STRIPPING AND DOOR SWEEP/AIR-TIGHT THRESHOLD PERMANENTLY ATTACHED TO CREATE AN EFFECTIVE AIR SEAL BETWEEN INTERIOR AND EXTERIOR/UNCONDITIONED SPACE |
| 03 | OTHER UNINTENTIONAL OPENING | SEALED WITH APPROPRIATE MATERIAL IF ACCESSIBLE  |
| 04 | ELECTRICAL BOXES (OPTIONAL) | SEAL BOX TO DRYWALL   |
| 05 | EXTERIOR WALL - BASEBOARDS  | INERT 1/4" DIAMETER FOAM BACKER ROD INTO CRACKS   |

DOOR NOTES

1. GC TO VERIFY ALL ROUGH OPENINGS SIZES & WALL / DOOR JAMB DEPTH PRIOR TO ORDERING DOORS.

2. ALL REPLACEMENT DOORS TO BE SIZED TO FIT IN EXISTING OPENINGS. NO NEW HEADERS REQUIRED UNLESS NOTED OTHERWISE ON DOOR SCHEDULE

3. INTERIOR DOORS SHALL BE PRE-HUNG FLAT-JAMB UNITS, WITHOUT CASING ON EITHER SIDE OF THE DOOR. JAMBS TO BE EXTENDED AS NEEDED TO ACCOMMODATE WALL DEPTH. CASINGS ARE TBD BY OWNER.

4. ALL INTERIOR DOORS TO BE OF SOLID CORE CONSTRUCTION UNLES NOTED OTHERWISE ON DOOR SCHEDULE.

5. ALL DOOR HARDWARE SETS ARE TBD BY OWNER.

6. ALL EXTERIOR DOORS TO BE STEEL, FIBERGLASS, OR WOOD SOLID CORE, INSULATED AND SWING INSIDE WITH WEATHER-TIGHT THRESHOLDS. .

7. INSTALL WEATHER-STRIPPING AT ALL EXTERIOR DOORS. OWNER TO SELECT WEATHER-STRIPPING COLOR TO COORDINATE WITH DOOR COLOR.

8. ALL EXTERIOR DOOR GLAZING TO BE ARGON FILLED INSULATED GLASS WITH LOW-E COATING. MAXIMUM U-VAL = .30 AND MAX SHGC = .40

R402.4.1.1 Installation

The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

TABLE R402.4.1.1

AIR BARRIER AND INSULATION INSTALLATION

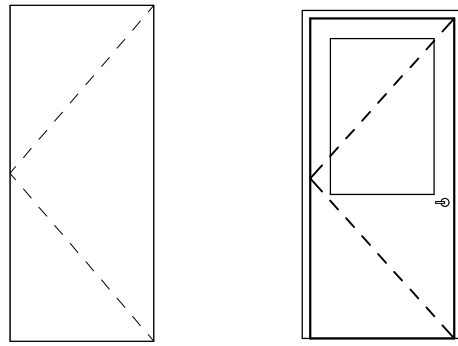
| COMPONENT   | AIR BARRIER CRITERIA   | INSULATION INSTALLATION CRITERIA  |
|---|--|---|
| GENERAL REQUIREMENTS                                    | A continuous <b>six-sided</b> air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier.<br><br>Breaks or joints in the air barrier shall be sealed.  | Air-permeable insulation shall not be used as a sealing material. All ceiling, wall, floor and slab insulation shall achieve Grade I installation per the RESNET Standards or, alternatively, Grade II for surfaces that contain a layer of continuous, air impermeable insulation > R5.  |
| CEILING / ATTIC   | The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed.<br><br>Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.                 | The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.   |
| WALLS   | The junction of the foundation and sill plate shall be sealed.<br><br>The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.   | Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.  |
| WINDOWS, SKYLIGHTS AND DOORS                            | The space between window/door jambs and framing, and skylights and framing shall be sealed. Doors adjacent to unconditioned space or ambient conditions shall be made substantially air-tight with weather stripping or equivalent gasket.                     | Continuous exterior insulation shall continue over window and door headers. Skylight and window chases through unconditioned attic space must be insulated to exterior wall values per table 402.1.2.   |
| RIM JOISTS  | Rim joists shall include <b>continuous</b> air barrier.  | Rim joists shall be insulated per Table 402.1.2.  |
| FLOORS (INCLUDING ABOVE GARAGE AND CANTILEVERED FLOORS) | The air barrier shall be installed at any exposed edge of insulation.  | Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members. |
| CRAWL SPACE WALLS                                       | Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.   | Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.   |
| SHAFTS, PENETRATIONS                                    | Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.   | Duct shafts or chases next to exterior or unconditioned space shall be insulated.   |
| NARROW CAVITIES   |  | Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space.   |
| GARAGE SEPARATION                                       | Air sealing shall be provided between the garage and conditioned spaces.   | Walls next to unconditioned garage space shall be insulated.  |
| RECESSED LIGHTING                                       | Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.   | Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.   |
| PLUMBING AND WIRING                                     | Seal any plumbing or wiring that penetrates the building envelope.   | Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.  |
| SHOWER/TUB ON EXTERIOR WALL                             | The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.  | Exterior walls adjacent to showers and tubs shall be insulated.   |
| ELECTRICAL/PHONE BOX ON EXTERIOR WALLS                  | The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.  |   |
| COMMON WALL SEPARATING DWELLING UNITS                   | Air barrier is installed in common wall between dwelling units.  |   |
| HVAC REGISTER BOOTS                                     | HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall.   |   |
| CONCEALED SPRINKLERS                                    | When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings. |   |
| FIREPLACE   | An air barrier shall be installed on fireplace walls.  |   |

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

DOOR SCHEDULE

| DOOR     | FUNCTION | TYPE | H     | W     | DOOR THICK | MATERIAL | FINISH | GLAZING  | HARDWARE | NOTES |
|----------|----------|------|-------|-------|------------|----------|--------|----------|----------|-------|
| Exterior |          |      |       |       |            |          |        |          |          |       |
| D1       | Exterior | B    | 7'-0" | 3'-0" | 1 3/4"     | STEEL    |        | TEMPERED |          |       |
| D2       | Exterior | B    | 7'-0" | 3'-0" | 1 3/4"     | STEEL    |        | TEMPERED |          |       |
| D3       | Exterior | B    | 7'-0" | 3'-0" | 1 3/4"     | STEEL    |        |          |          |       |
| D6       | Exterior | B    | 7'-0" | 3'-0" | 1 3/4"     | STEEL    |        |          |          |       |
| Interior |          |      |       |       |            |          |        |          |          |       |
| D4       | Interior | C    | 7'-0" | 3'-0" | 1 3/8"     |          |        |          |          |       |
| D7       | Interior | C    | 6'-8" | 2'-8" | 1 3/8"     |          |        |          |          |       |
| D9       | Interior | C    | 6'-8" | 3'-0" | 1 3/8"     |          |        |          |          |       |
| D10      | Interior | C    | 6'-8" | 2'-8" | 1 3/8"     |          |        |          |          |       |
| D11      | Interior | C    | 6'-8" | 2'-8" | 1 3/8"     |          |        |          |          |       |
| D12      | Interior | C    | 6'-8" | 2'-8" | 1 3/8"     |          |        |          |          |       |
| D13      | Interior | C    | 6'-8" | 3'-0" | 1 3/8"     |          |        |          |          |       |
| D14      | Interior | C    | 6'-8" | 2'-8" | 1 3/8"     |          |        |          |          |       |
| D15      | Interior |      | 0'-0" | 0'-0" |            |          |        |          |          |       |
| D16      | Interior | C    | 6'-8" | 3'-0" | 1 3/8"     |          |        |          |          |       |

DOOR ELEVATION TYPES



C

B

1

2

3

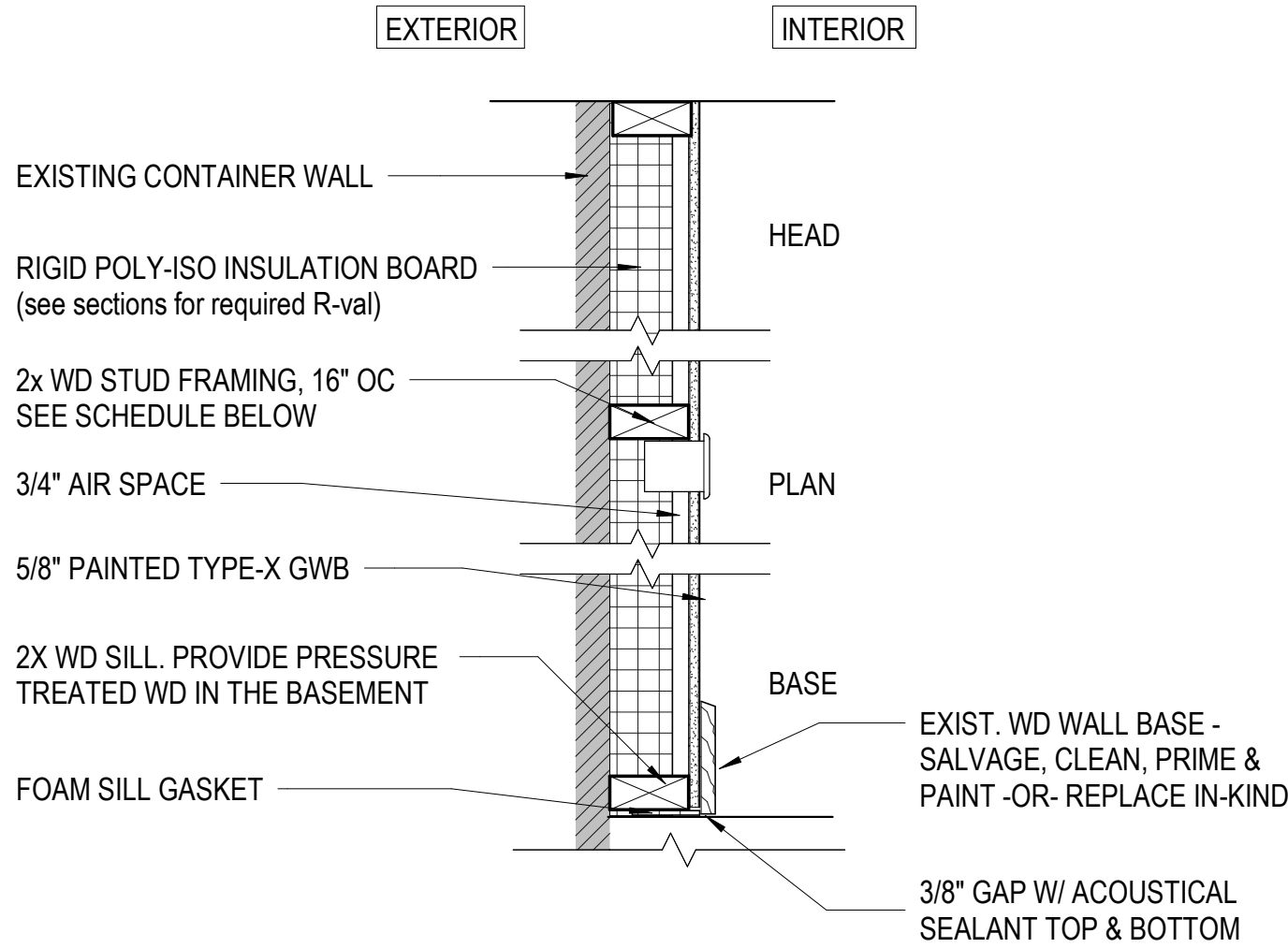
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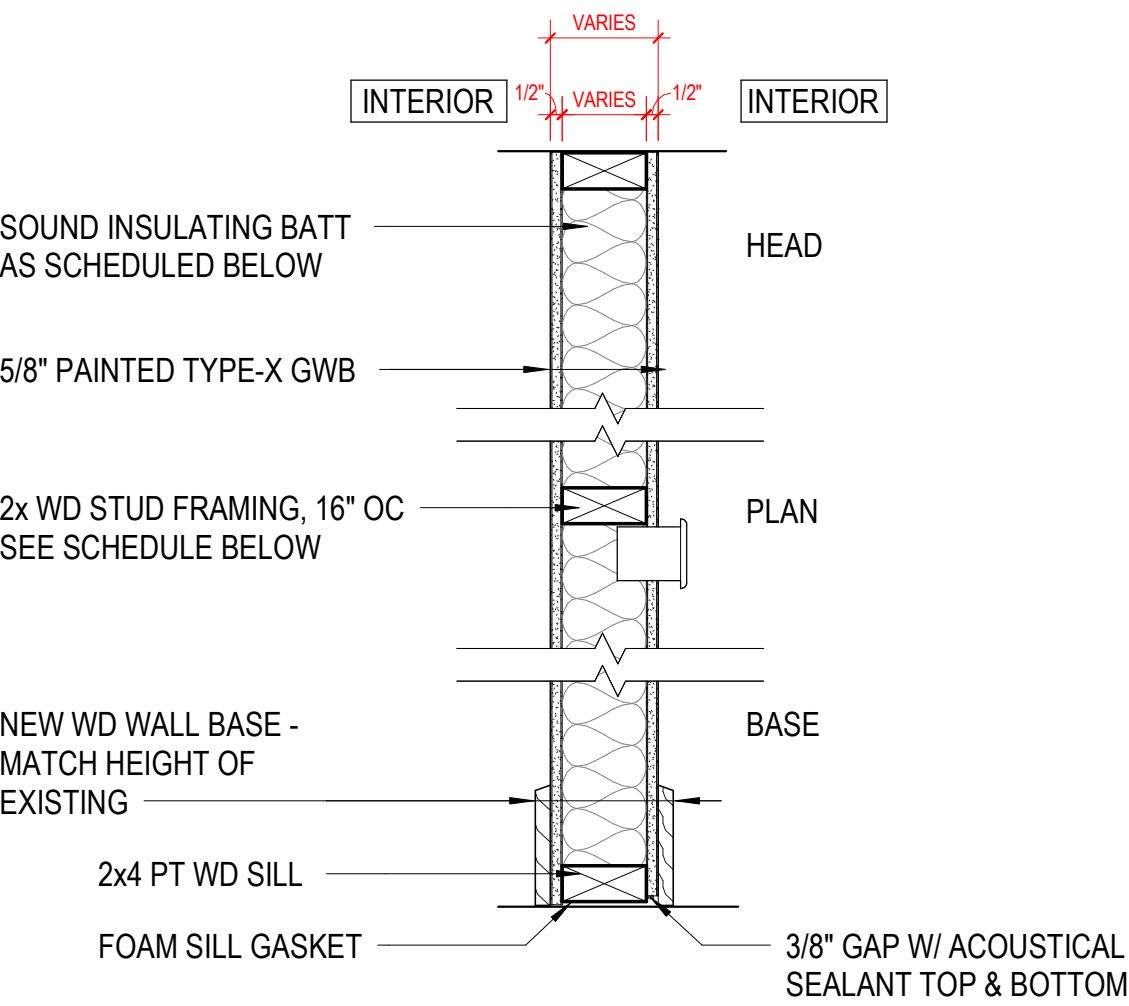
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7

8



| INTERIOR - ABOVE GRADE FURRING & INSULATION AT EXT. WALL |          |                 |                                  |             |       |
|--|----------|-----------------|----------------------------------|-------------|-------|
| PARTITION TYPE   | CMU TYPE | INSUL           | TEST NO. RATING FIRE RESISTANCE  | TOTAL WIDTH | NOTES |
| WS-2C  |          | U-057<br>R-17.5 | 2x WD STUDS - W/ BATT INSULATION |             |       |



| INTERIOR - TYP STUD WALL PARTITION |          |       |  |             |       |
|------------------------------------|----------|-------|--|-------------|-------|
| PARTITION TYPE                     | CMU TYPE | INSUL | TEST NO. RATING FIRE RESISTANCE                    | TOTAL WIDTH | NOTES |
| WS-4A                              |          |       | 2x4 WD STUDS - W/ BATT INSULATION - GWB BOTH SIDES |             |       |

LOCAL  
ARCHITECTS+DESIGNERS

54 HAWTHORNE CT NE  
WASHINGTON, DC 20017  
202.750.0810

PROJECT NO 2320

TSUNAMI HAIR  
STUDIO  
EXPANSION

TSUNAMI HAIR STUDIO  
2448 BENNING RD NE  
WASHINGTON DC, 20019

CLIENT  
LaToya Liles- Walker

PROJECT TEAM

ARCHITECT  
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202.750.0810

STRUCTURAL  
JH ENGINEERING LLC  
44 GLEN OAK COURT  
WESTMINSTER, MD 21158

# DESCRIPTION DATE



TITLE

SCHEDULES

A-600

SCALE As indicated



GENERAL NOTES

1. CODE SUMMARY:
- H

A. Codes:

a. International Building Code 2015

b. 2017 DISTRICT OF COLUMBIA BUILDING CODES

c. CHAPTER 31 – SECTION 3115 INTERMODAL SHIPPING CONTAINERS OF THE 2021 IBC

d. THE STRUCTURE WAS DESIGNED FOR THE LIVE LOADS SHOWN BELOW AND DEAD LOADS AS REQUIRED BY CONSTRUCTION IN ACCORDANCE WITH THE CODES ABOVE. INCREASE IN THESE LOADINGS, DUE TO CHANGE IN FUNCTION, CONSTRUCTION MATERIALS, ETC., ARE TO HAVE WRITTEN APPROVAL FROM THE DESIGNING STRUCTURAL ENGINEER.
- G

B. LOADS:

a. Live Loads:

• Roof: 30 psf

• Typical Floor: 100 psf

• Partitions: N/A

b. Dead Loads:

• Floor: 10 psf

• Roof: 15 psf

c. Snow Loads:

• Design Uniform Roof Snow load = 23.1 psf

• Flat Roof Snow Load  $P_f = 23.1$  psf

• Balanced Snow Load  $P_s = 23.1$  psf

• Ground Snow Load  $P_g = 30.0$  psf

• Importance Factor  $I = 1.00$

• Snow Exposure Factor  $C_e = 1.00$

• Thermal Factor  $C_t = 1.10$

• Sloped-roof Factor  $C_s = 1.00$

• Drift Surcharge load  $P_d = 45.0$  psf

• Width of Snow Drift  $w = 10.0$  ft

d. Earthquake Design Data:

• Risk Category = II

• Importance Factor  $I = 1.00$

• Mapped spectral response acceleration.

•  $S_s = 0.12$

•  $S_1 = 0.05$

• Site Class = D

• Spectral Response Coef.

•  $S_{ds} = 0.001$

•  $S_{d1} = 0.001$

• Seismic Design Category = A

• Basic Structural System

• Building Frame Systems

• Seismic Resisting System

• Light frame (cold-formed steel) walls with wood panels or steel sheets

• Seismic Response Coef.  $C_s = 0.010$

• Response Modification Factor  $R = 7$

• Analysis Procedure

• Equivalent Lateral-Force Analysis

e. Rain Design Data:

• Rain intensity:  $i = 5.95$  in/hr

• Rain Load:  $R = 1.2$  ps

f. Wind Design Data:

• Ultimate Design Wind Speed = 115 mph

• Nominal Design Wind Speed = 89.08 mph

• Risk Category = II

• Mean Roof Ht (h) = 8.5 ft

• Exposure Category = B

• Enclosure Classif. = Enclosed Building

• Internal pressure Coef. =  $+/-0.18$

• Directionality ( $K_d$ ) = 0.85
- E

2. EXISTING CONDITIONS

A. CONTRACTOR MUST FIELD CHECK AND VERIFY DIMENSIONS AND ELEVATIONS OF THE SHIPPING CONTAINERS PRIOR TO FABRICATION OF NEW MATERIALS.
- C

3. SUBMITTALS

A. BEFORE SUBMISSION OF SHOP DRAWINGS, CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS, CATALOG NUMBERS, AND SIMILAR DATA WITH RESPECT THERETO AND REVIEWED OR COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND SAMPLES AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS.

B. AFTER CHECKING AND VERIFYING COMPLIANCE WITH CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS, CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS REFERENCED IN THE INDIVIDUAL MATERIALS SECTIONS. CONTRACTOR SHALL STAMP OR PROVIDE A SIMILAR WRITTEN INDICATION THAT CONTRACTOR HAS REVIEWED THE SUBMISSION AND IS SATISFIED THAT MATERIALS SHOWN ARE IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.

C. A REVIEW PERIOD OF 5 WORKING DAYS WILL BE REQUIRED FOR SHOP DRAWING REVIEW, OF EACH UNIT TYPE. SHOP DRAWING SUBMISSION OF MULTIPLE COMPONENT TYPES WILL REQUIRE ADDITIONAL REVIEW TIME. SHOP DRAWINGS WILL BE FORWARDED TO ARCHITECT OR CLIENT FOR THEIR REVIEW BEFORE RETURNING TO THE CONTRACTOR.
- C

4. FOUNDATIONS

A. A SOIL BEARING CAPACITY OF 1500 PSF WAS USED FOR FOOTING DESIGN. ENGAGE THE SERVICES OF A GEOTECHNICAL ENGINEER TO VERIFY EXCAVATIONS AND SOIL BEARING CAPACITY. IF SOIL OF THIS CAPACITY IS NOT ENCOUNTERED AT ELEVATIONS INDICATED, CONTACT ENGINEER OF RECORD (EOR).

B. INSTALL EXTERIOR FOOTING BOTTOMS 2'-6" MINIMUM BELOW FINISH GRADE.

C. COMPACT FILL AND BACKFILL TO 95% OF ASTM D-698 (1557). PERFORM FILL AND BACKFILL OPERATIONS UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER.

D. PRIOR TO POURING CONCRETE, ENGAGE THE SERVICES OF A PROFESSIONAL GEOTECHNICAL ENGINEER (REGISTERED IN THE DISTRICT OF COLUMBIA), TO PERFORM TESTS, BORINGS, ETC., REQUIRED TO CERTIFY THAT THE SOIL BEARING CAPACITY MEETS OR EXCEEDS THAT SHOWN IN THE GENERAL NOTES ABOVE. GEOTECHNICAL ENGINEER SHALL VERIFY SUBGRADE CAPACITIES PRIOR TO INSTALLATION OF DRAINAGE FILL AND MOISTURE BARRIER.
- A

5. CONCRETE

A. UNLESS GOVERNED BY BUILDING CODE OR LOCAL AMENDMENTS:

- B. SUBMIT COMPLETE SHOP AND ERECTION DRAWINGS FOR REVIEW PRIOR TO FABRICATION OR ERECTION. REPRINTS OF CONTRACT DRAWINGS ARE NOT ACCEPTABLE. SUBMIT DESIGN MIXES FOR EACH CLASS OF CONCRETE PRIOR TO USE.

C. CONCRETE REINFORCING: ASTM A-615, GRADE 60.

D. WELDED WIRE REINFORCEMENT: ASTM A-185.

E. PORTLAND CEMENT: ASTM C-150, TYPE I.

F. BLENDED HYDRAULIC CEMENT: ASTM C-595.

G. FLY ASH: ASTM C-618, CLASS F (25% MAX.)

H. AGGREGATE: ASTM C-33. 1" MAXIMUM FOR FOOTINGS, WALLS, AND SLABS ON GRADE, ½" MAXIMUM FOR THIN SLABS AND ¾" FOR WALL FILL.

I. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF: 3,000 PSI.

J. EXTERIOR CONCRETE TO BE AIR-ENTRAINED AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF: 3,500 PSI.

K. WATER CEMENT RATIO NOT TO EXCEED 0.54 FOR 3,000 PSI CONCRETE AND 0.45 FOR AIR ENTRAINED CONCRETE.

L. INSTALL WELDED WIRE REINFORCEMENT 2" BELOW UPPER SURFACE OF CONCRETE SLAB.

M. REINFORCING FOR FOOTINGS AND OTHER CONCRETE USING EARTH FORMS SHALL HAVE 3" CONCRETE COVER. REINFORCING FOR CONCRETE EXPOSED TO GROUND OR WEATHER AFTER REMOVAL OF FORMS SHALL HAVE 2" CONCRETE COVER. REINFORCING SHALL HAVE ¾" CONCRETE COVER FOR SLABS AND WALLS AND 1 ¾" COVER FOR BEAMS, GIRDERS, AND COLUMNS. LAP CONTINUOUS FOOTING REINFORCING 48 BAR DIAMETERS AT SPLICES.

N. USE A WATER REDUCING ADMIXTURE IN ALL CONCRETE.

O. SLUMP – AS REQUIRED BY ACI (211.1), EXCEPT THAT SLABS-ON-GRADE AND THIN-FRAMED SLABS SHALL HAVE A MAXIMUM SLUMP OF 4".

Q. AIR ENTRAIN EXTERIOR EXPOSED CONCRETE 5% +/- 1%.

R. NO CALCIUM CHLORIDE WILL BE PERMITTED IN CONCRETE.
6. INTERMODAL SHIPPING CONTAINER

A. INTERMODAL SHIPPING CONTAINERS SHALL BEAR AN EXISTING DATA PLATE WITH THE INFORMATION AS REQUIRED BY ISO 1496-1 AND ISO 6346 AND AS VERIFIED BY AN APPROVED AGENCY. A REPORT OF THE VERIFICATION PROCESS IS TO BE PROVIDED TO THE BUILDING OWNER.

B. THE DATA PLATE IS TO CONTAIN THE FOLLOWING INFORMATION:

a. DATE MANUFACTURED.

b. SAFETY APPROVAL NUMBER.

c. IDENTIFICATION NUMBER.

d. MAXIMUM OPERATING GROSS MASS (G) OR WEIGHT (LBS.)

• 60,000 LBS MINIMUM.

e. ALLOWABLE STACKING LOAD FOR 1.8\*G (LBS.).

f. TRANSVERSE RACKING TEST FORCE.

• 33,600 LBS (15,240 KGS) MINIMUM TRANSVERSE.

• 3,500 LBS (7,620 KGS) MINIMUM LONGITUDINAL.

• VALID MAINTENANCE EXAMINATION DATE.

C. ALL MODIFICATIONS TO THE SHIPPING CONTAINER (NEW WALL OPENINGS, DOORS, ETC.) ARE TO BE PROVIDED BY THE CONTAINER SUPPLIER. ALL MODIFICATIONS AND REINFORCEMENT ARE TO MEET OR EXCEED THE DESIGN LOADS SPECIFIED IN THESE NOTES. THE MODIFICATIONS ARE TO BE SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER IN THE DISTRICT OF COLUMBIA.

D. WHEN OPENINGS ARE MADE IN THE CONTAINER FOR DOORS, WINDOWS AND OTHER OPENINGS, THE OPENINGS MUST BE FRAMED WITH STEEL ELEMENTS MEETING OR EXCEEDING THE ELEMENTS OF THE ORIGINAL FRAME AND MUST COMPLY WITH ASTM STEEL STANDARDS.

E. END WALL DOORS ARE TO BE WELDED CLOSED.

F. GC TO SUBMIT DOCUMENTATION TO THE ARCHITECT SHOWING THE MODIFICATIONS, DESIGN LOADS, AND REINFORCEMENT OF THE INTERMODAL SHIPPING CONTAINER FOR REVIEW PRIOR TO PURCHASING.

G. CONTAINER SHALL BE UNDAMAGED AND HAVE NO PREVIOUS REPAIRS.

H. SPECIAL INSPECTION REQUIREMENTS (SEE ALSO SPECIAL INSPECTION STATEMENT AND CHECKLIST):

a. EACH CONTAINER TO BE VISUALLY INSPECTED TO ENSURE COMPLIANCE WITH THE MANUFACTURER'S DESIGN DRAWINGS, IS NOT DAMAGED, AND IS STRUCTURALLY SOUND. THE ACCEPTABLE TOLERANCE SHALL NOT EXCEED THOSE GIVEN IN AISC 360.

b. VISUALLY INSPECT ALL WELDS CONNECTING THE METAL ROOF DECK TO THE HEADER AND BEAMS. PERFORM NDT ON AT LEAST ONE WELD CONNECTING THE METAL DECK TO THE BEAM. IF THE WELD FAILS, NDT ALL SIMILAR WELDS.

c. A DETAILED REPORT VERIFYING THE THE CONDITION AND SEALED BY A LICENSED STRUCTURAL ENGINEER IN THE DISTRICT OF COLUMBIA SHALL BE PREPARED DOCUMENTING THE VISUAL INSPECTIONS, TEST RESULTS, AND GENERAL CONDITION ASSESSMENT OF EACH CONTAINER. A COPY OF THE REPORT IS TO BE PROVIDED TO THE ARCHITECT, ENGINEER OF RECORD, AND MADE AVAILABLE FOR ON SITE INSPECTIONS.
7. WOOD FRAMING

A. WOOD FRAMING AND FASTENERS – COMPLY WITH THE RECOMMENDATIONS OF THE AMERICAN FOREST AND PAPER ASSOCIATION (FORMERLY THE NATIONAL FOREST PRODUCTS ASSOCIATION).

B. PLYWOOD – AMERICAN PLYWOOD ASSOC. GRADE TRADE MARKED MEETING THE REQUIREMENTS OF THE LATEST EDITION OF U.S. PRODUCT STANDARD PS-1.E.PANEL THICKNESS AND IDENTIFICATION INDEX SHALL BE AT LEAST EQUAL TO THAT SHOWN ON THE DRAWINGS. INSTALL AND CONNECT IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION.

C. ATTACH PLYWOOD FLOOR SHEATHING USING GLUE AND NAILS.

D. UNLESS OTHERWISE NOTED ON DRAWINGS, ATTACH PLYWOOD TO FRAMING WITH MIN. 8d NAILS AT 6" O/C ON EDGES OF SHEET AND 12" O/C ON EACH INTERIOR SUPPORT.

E. FOR PLYWOOD ½" IN THICKNESS AND LESS, USE H CLIPS AT MIDPOINT FOR SPANS GREATER THAN 16" O/C. FOR PLYWOOD ¾" AND THICKER, USE TONGUE AND GROOVE EDGES OR H CLIPS AT MIDPOINT FOR SPANS GREATER THAN 16" O/C. FOR 48" SPANS, PROVIDE 2-H CLIPS AT ¾ POINTS OF

- SPAN OR PROVIDE TONGUE AND GROOVE PLYWOOD.

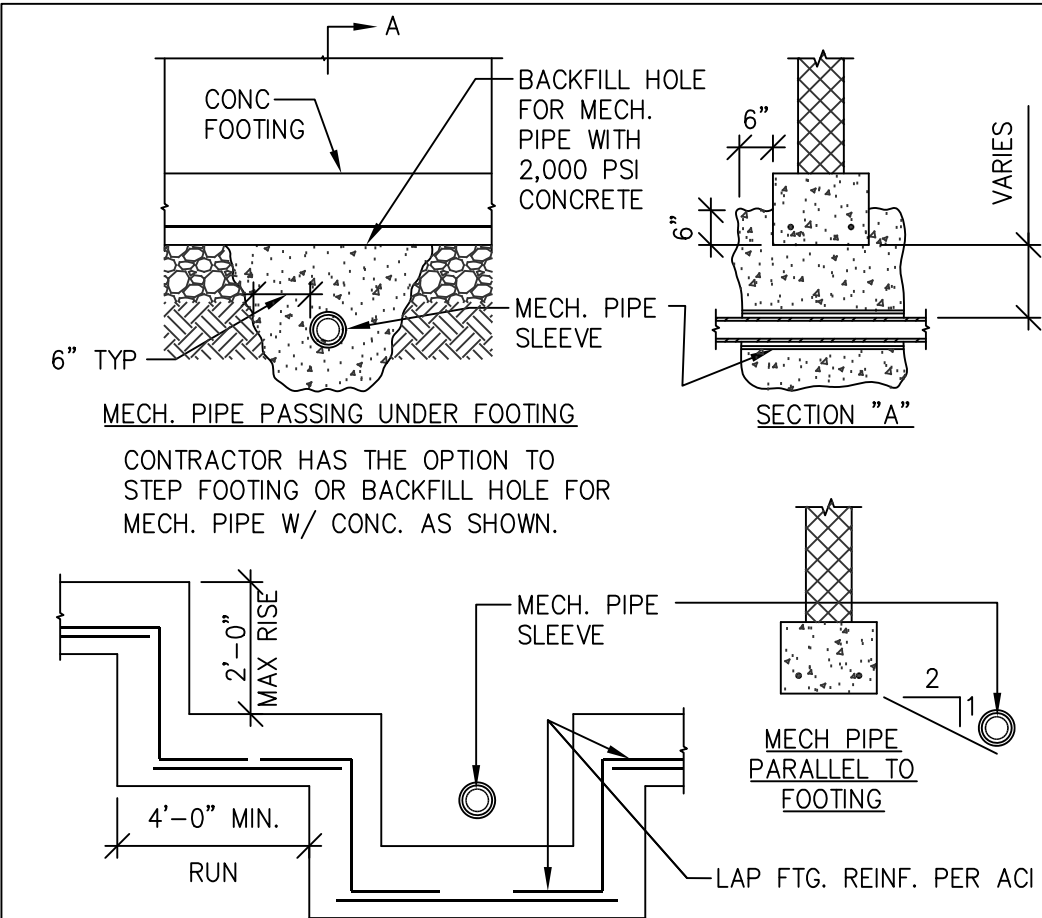
F. STRUCTURAL LUMBER – SP No2 OR BETTER WITH 19% MAXIMUM MOISTURE CONTENT IN USE.

G. ATTACH MULTIPLE MEMBERS TOGETHER AS FOLLOWS: 2-2X2 ROWS 16d NAILS @ 16" O/C

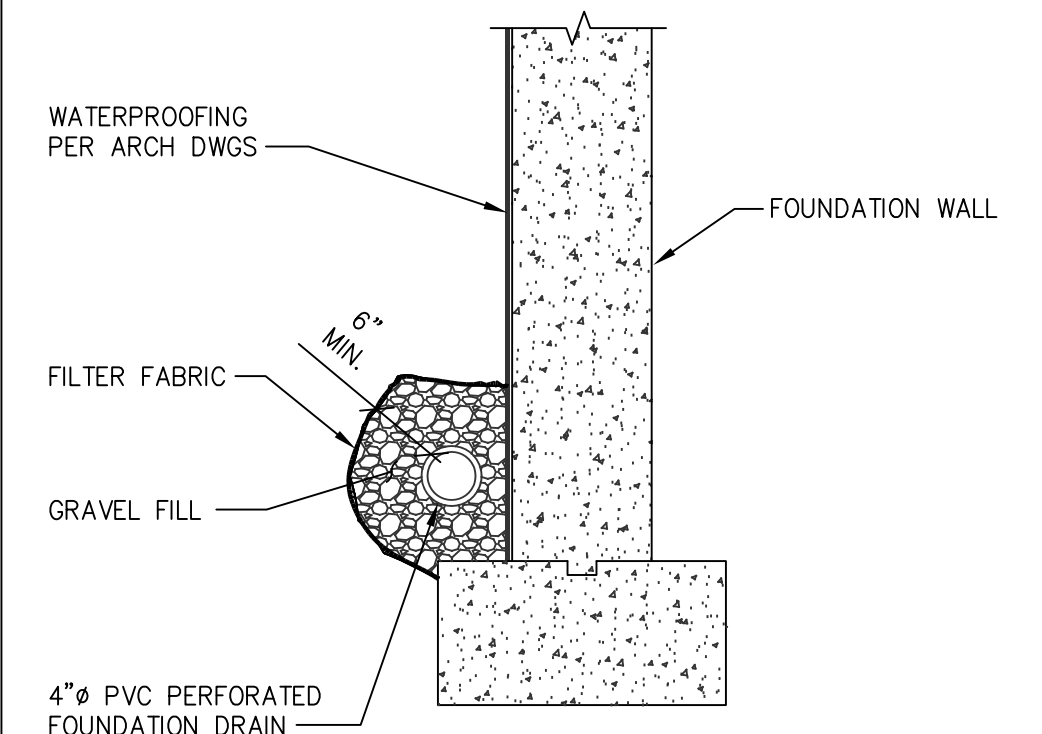
H. PROVIDE FLUSH FRAMED JOISTS AND HEADERS WITH A PREFABRICATED GALVANIZED (SADDLE TYPE) METAL CONNECTOR UNLESS NOTED OTHERWISE. HANGERS SHALL BE 18 GAGE MINIMUM THICK AND HAVE CAPACITY TO RESIST 400# MINIMUM FOR EACH 2X MEMBER IN SHEAR FOR SPECIES OF WOOD USED.

I. BRIDGING FOR WOOD JOISTS (ROOF AND FLOOR) TO BE DIAGONAL WOOD SPACED AS FOLLOWS:

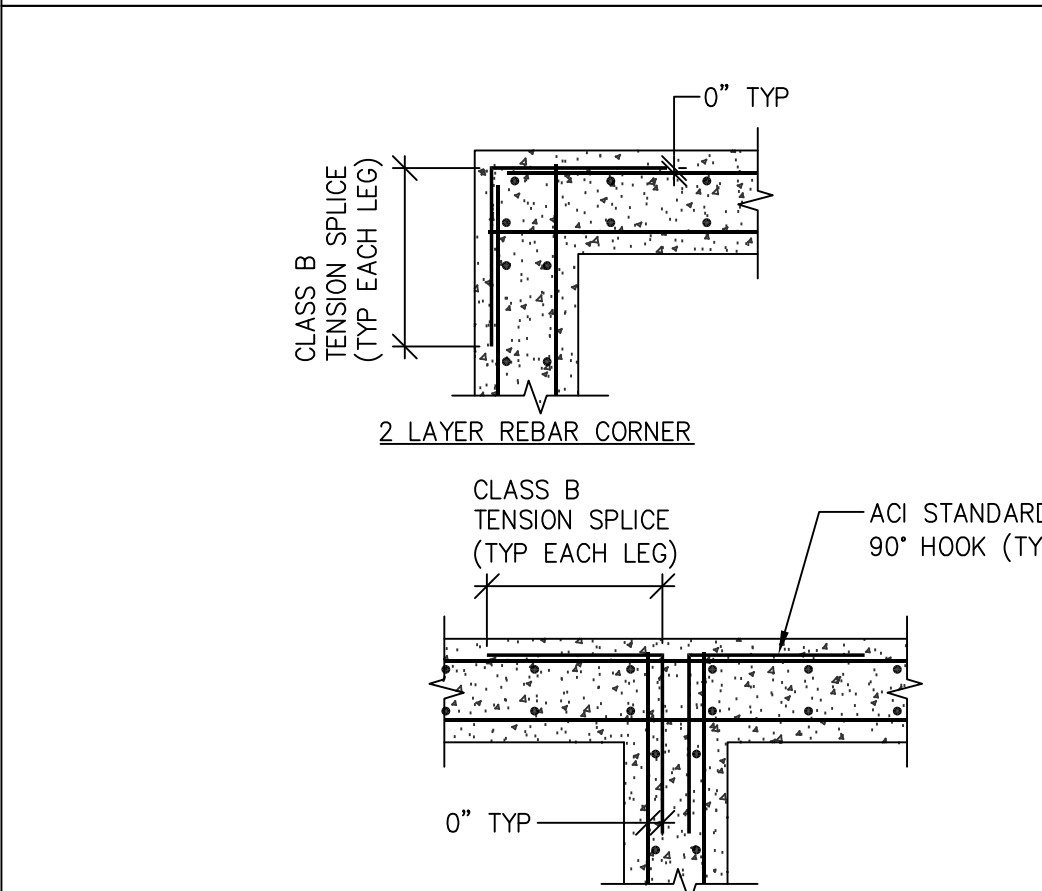
J. SPANS OVER 15'-0" – TWO ROWS



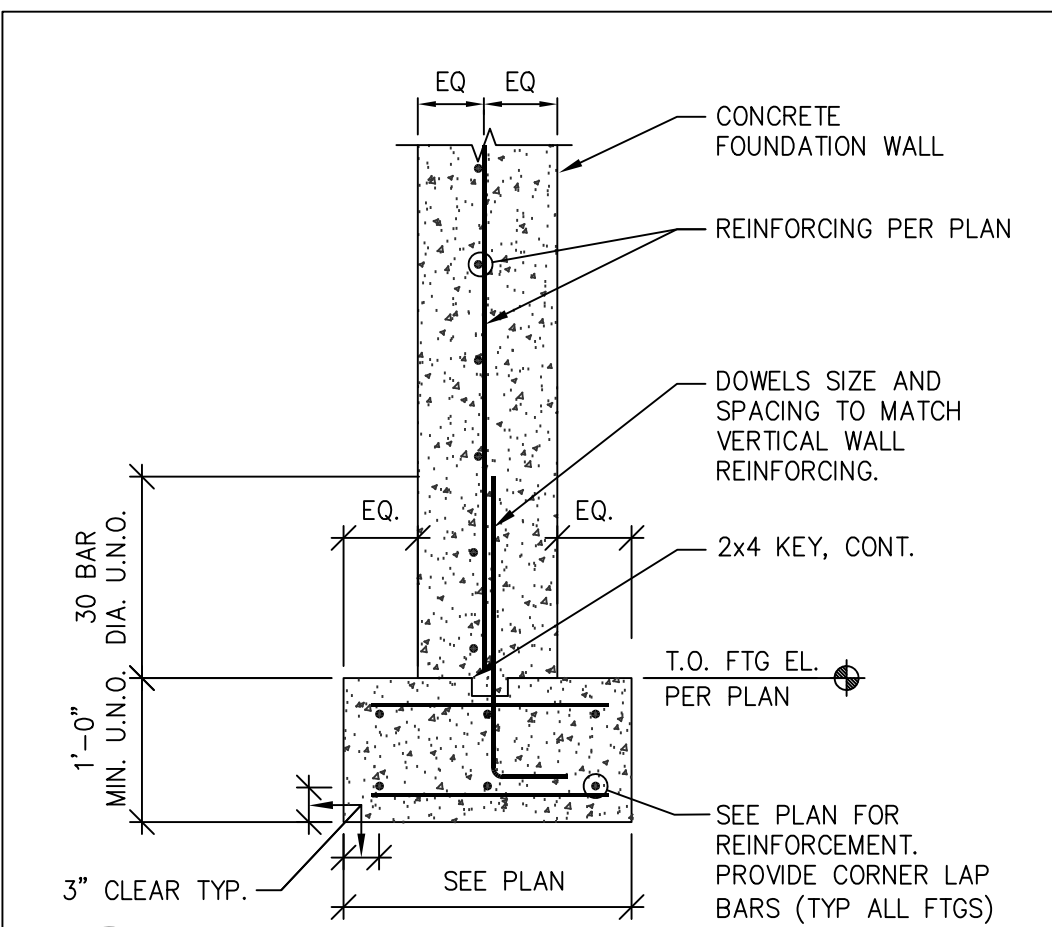
A TYPICAL STEPPED FOOTING DETAIL  
SCALE: NTS



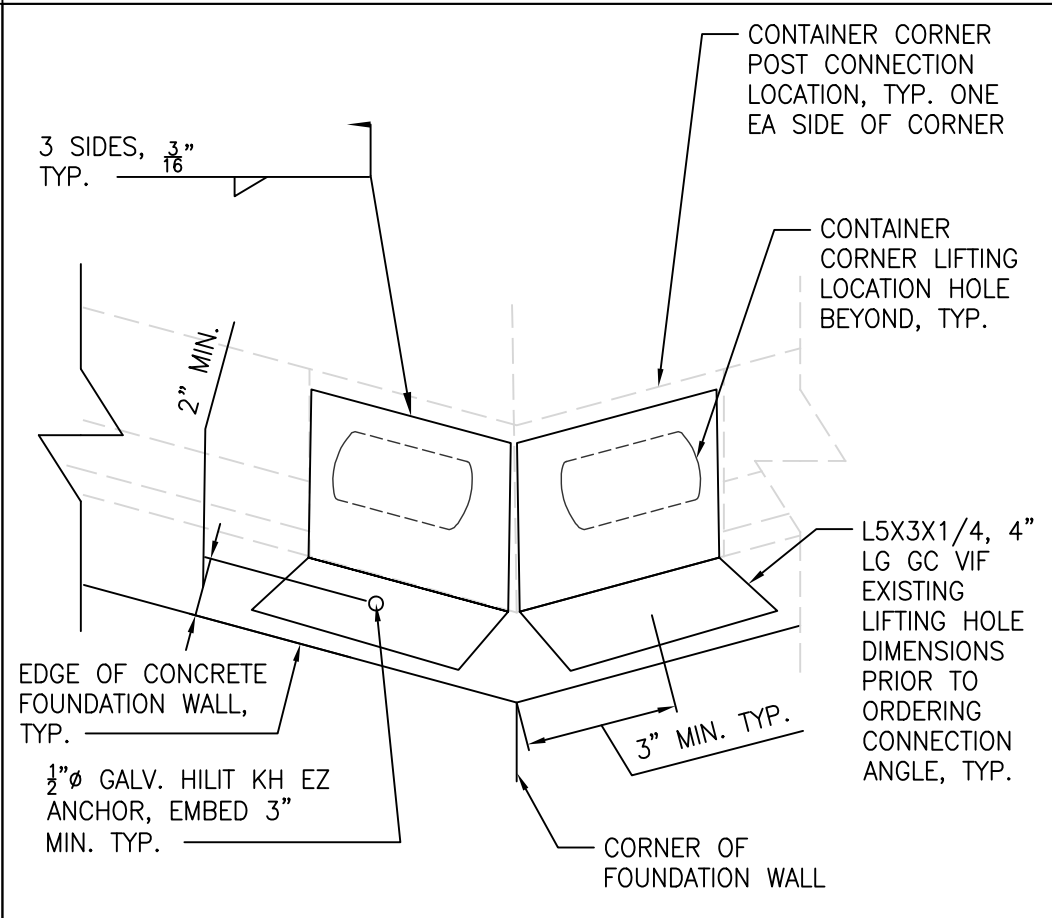
B TYPICAL FOUNDATION DRAIN DETAIL  
SCALE: NTS



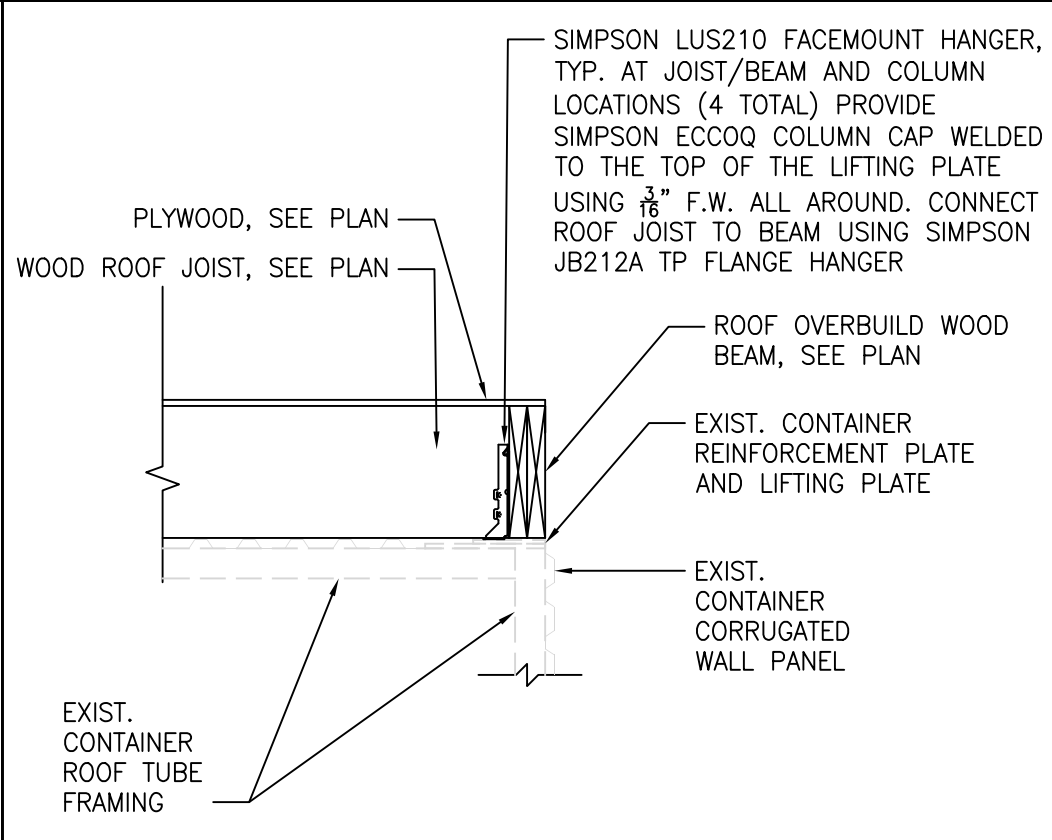
D TYPICAL CONCRETE WALL CORNER/INTERSECTION DETAIL  
SCALE: NTS



C TYPICAL CONCRETE WALL FOOTING DETAIL  
SCALE: NTS

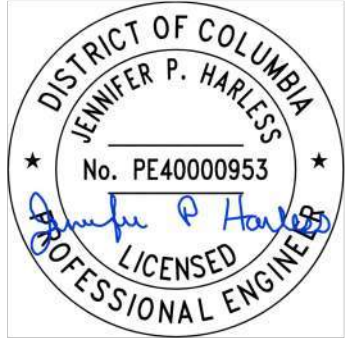


E TYPICAL CONTAINER CORNER FDN. CONNECTION  
SCALE: NTS



1

DS



54 HAWTHORNE CT NE  
WASHINGTON, DC 20017  
202.750.0810

PROJECT NO 1-4

TSUNAMI HAIR  
STUDIO  
EXPANSION

TSUNAMI HAIR STUDIO  
2448 BENNING RD NE  
WASHINGTON DC, 20019

CLIENT  
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STRUCTURAL

JH ENGINEERING LLC  
44 GLEN OAK COURT  
WESTMINSTER, MD 21158

| # | DESCRIPTION | DATE |
|---|-------------|------|
|---|-------------|------|

TITLE

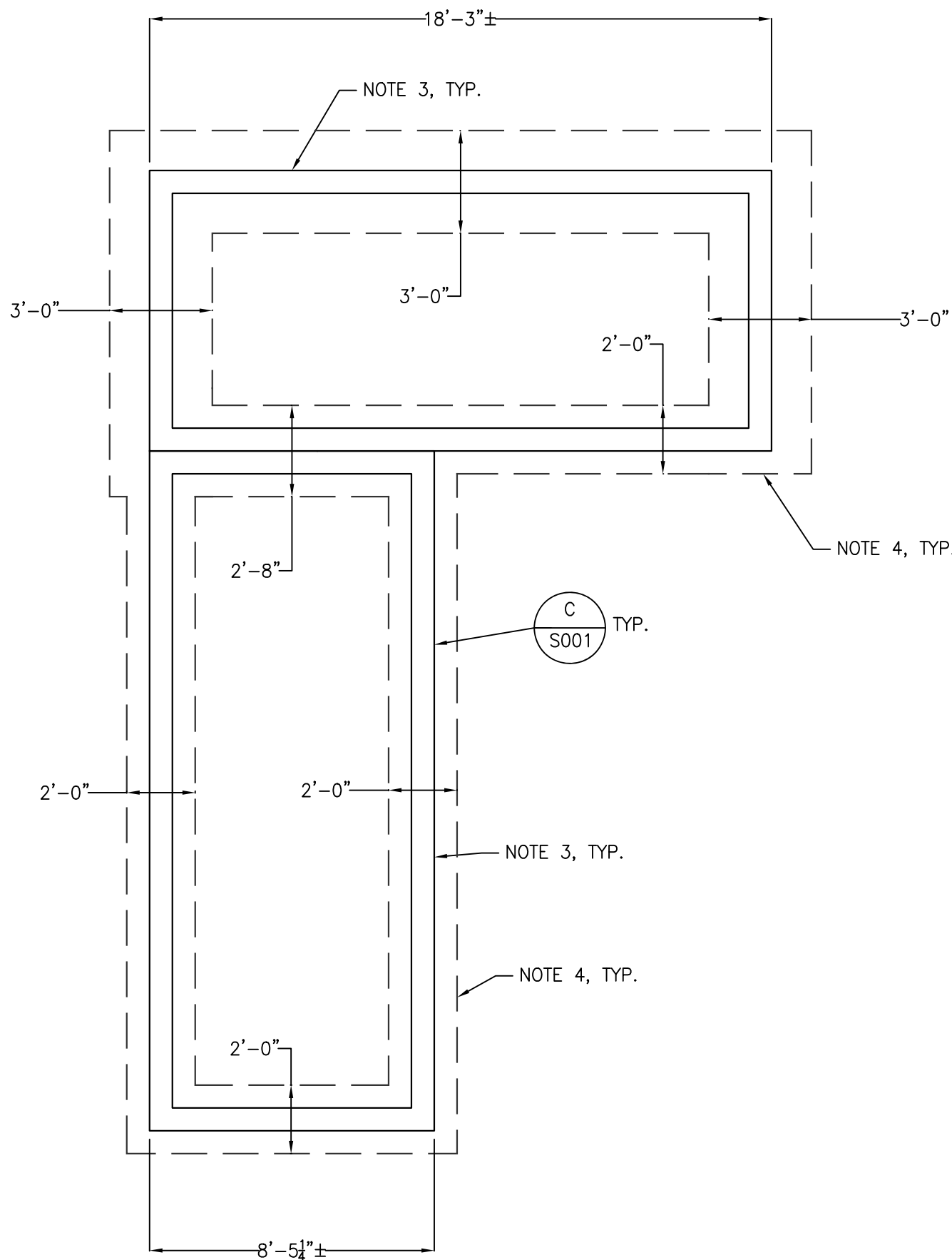
GENERAL  
NOTES,  
TYP.  
DETAILS &  
SECTIONS

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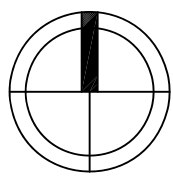
SCALE



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PLAN NORTH

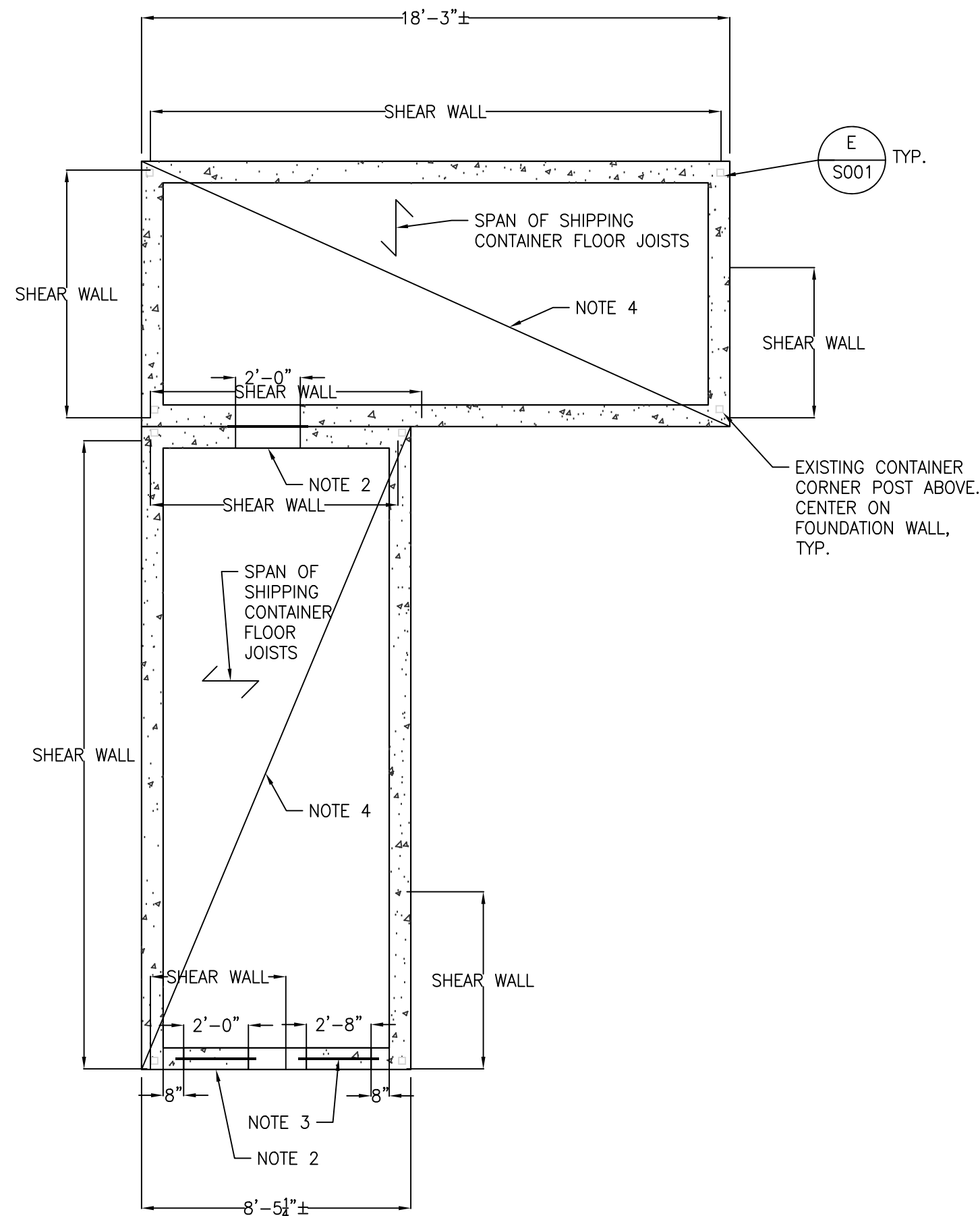


## FOUNDATION PLAN

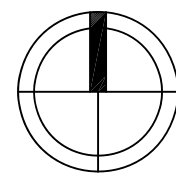
1/4" = 1'-0"

NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR ELEVATION TOP OF FOUNDATION WALL.
- ELEVATION BOTTOM OF EXTERIOR FOOTINGS SHALL BE 2'-6" MIN. BELOW FINISH GRADE UNLESS OTHERWISE NOTED IN PLAN THUS (00.00').
- 8" CONCRETE FOUNDATION WALL. REINFORCE WITH #5 BARS @ 1'-0" O/C E.W. CENTER REINFORCEMENT IN WALL. CENTER FOUNDATION WALL ON FOOTING. PROVIDE AIR ENTRAINED CONCRETE FOR FOUNDATION WALL.
- 1'-0" THICK CONTINUOUS FOOTING. REINFORCE WITH #5 BARS @ 1'-0" O/C E.W. TOP AND BOTTOM. SEE PLAN FOR FOOTING WIDTH.



PLAN NORTH



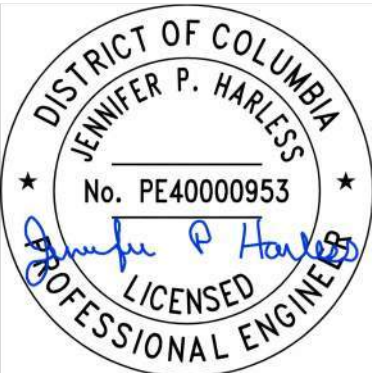
## FIRST FLOOR FRAMING PLAN

1/4" = 1'-0"

NOTES:

- THE SHIPPING CONTAINER IS A PERFORMANCE SPECIFIED ITEM. SEE GENERAL NOTES, SECTION 6 FOR MINIMUM REQUIREMENTS.
- CRAWL SPACE ACCESS POINT. SEE ARCHITECTURAL DRAWINGS FOR OPENING DIMENSIONS. NO LINTEL REQUIRED IF TOP OF OPENING = UNDERSIDE OF EXISTING SHIPPING CONTAINER BEAM. PROVIDE 2 - ADDITIONAL #5 BARS VERTICAL AT NOTCH IN TOP OF CONCRETE FOUNDATION WALL AND 2 #5 BARS HORIZONTALLY AT BOTTOM OF WALL OPENING.
- MECHANICAL LOUVRE, SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. NO LINTEL REQUIRED IF TOP OF OPENING = UNDERSIDE OF EXISTING SHIPPING CONTAINER BEAM. PROVIDE 2 - ADDITIONAL #5 BARS VERTICAL AT NOTCH IN TOP OF CONCRETE FOUNDATION WALL AND 2 #5 BARS HORIZONTALLY AT BOTTOM OF WALL OPENING.
- PROVIDE NEW 23/32 T&G APA SPAN RATED PLYWOOD (MIN.) OVER EXISTING SHIPPING CONTAINER FLOOR JOISTS.

DS



8/29/2023



54 HAWTHORNE CT NE  
WASHINGTON, DC 20017  
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PROJECT NO

1-4

## TSUNAMI HAIR STUDIO EXPANSION

TSUNAMI HAIR STUDIO  
2448 BENNING RD NE  
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CLIENT

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| # | DESCRIPTION | DATE |
|---|-------------|------|
|---|-------------|------|

TITLE

## FOUNDATION & FIRST FLOOR FRAMING PLANS

# S100

SCALE



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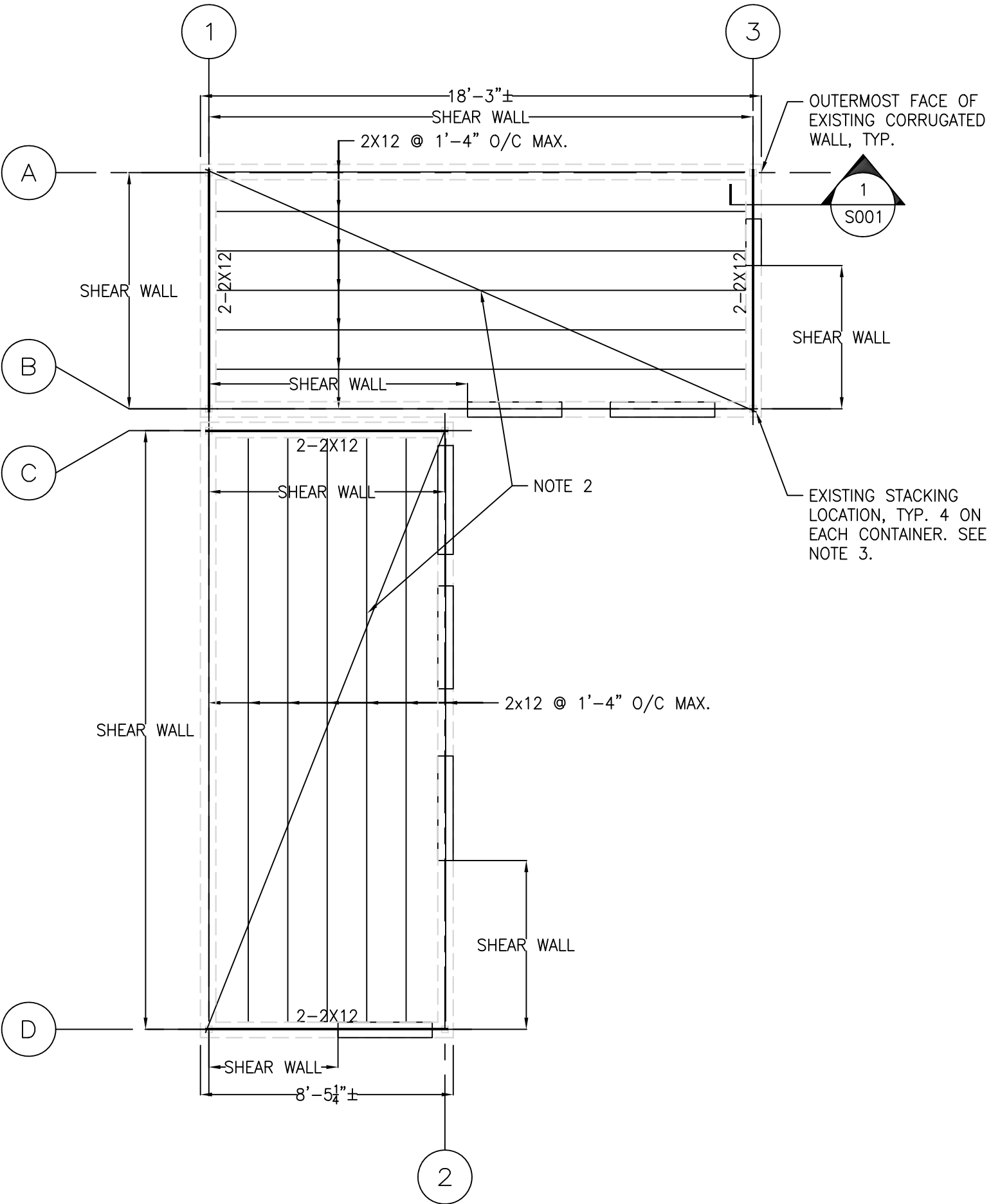
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| STRUCTURAL ABBREVIATIONS |                 |          |                               |        |                        |
|--------------------------|-----------------|----------|-------------------------------|--------|------------------------|
| MARK                     | MEANING         | MARK     | MEANING                       | MARK   | MEANING                |
| Ø                        | DIAMETER        | FF       | FINISHED FLOOR                | SIM    | SIMILAR                |
| #                        | POUND/NUMBER    | FND      | FOUNDATION                    | SOG    | SLAB ON GRADE          |
| &                        | AND             | FT       | FOOT                          | SPF    | SPRUCE PINE FIR        |
| @                        | AT              | FTG      | FOOTING                       | SQ     | SQUARE                 |
| ±                        | PLUS OR MINUS   | GA       | GAUGE                         | STD    | STANDARD               |
| AB                       | ANCHOR BOLTS    | GALV     | GALVANIZED                    | STIFF  | STIFFENER              |
| ADD                      | ADDITIONAL      | GC       | GENERAL CONTRACTOR            | STL    | STEEL                  |
| ALT                      | ALTERNATE       | GEN      | GENERAL                       | TC     | TOP CHORD              |
| ARCH                     | ARCHITECT       | GLB      | GLUE LAMINATED BEAM           | T&B    | TOP AND BOTTOM         |
| BLKG                     | BLOCKING        | GT       | GIRDER TRUSS                  | T&G    | TOUNGUE AND GROOVE     |
| BM                       | BEAM            | HDR      | HEADER                        | T/FTG  | TOP OF FOOTING         |
| BOT                      | BOTTOM          | HGR      | HANGER                        | T/SLAB | TOP OF SLAB            |
| BC                       | BOTTOM CHORD    | HK       | HOOK                          | TOS    | TOP OF STEEL           |
| BRG                      | BEARING         | HT       | HEIGHT                        | THRU   | THROUGH                |
| BRDG                     | BRIDGING        | HORIZ    | HORIZONTAL                    | TYP    | TYPICAL                |
| BLDG                     | BUILDING        | HSS      | TUBE STEEL/PIPE COLUMN        | UNO    | UNLESS NOTED OTHERWISE |
| CBR                      | CAMBER          | IN       | INCH                          | VERT   | VERTICAL               |
| CANT                     | CANTILEVER      | INSUL    | INSULATION                    | VAR    | VARIES                 |
| CL                       | CENTERLINE      | INT      | INTERIOR                      | VIF    | VERIFY IN FIELD        |
| CLR                      | CLEAR           | JST      | JOIST                         | W      | WIDE FLANGE BEAM       |
| COL                      | COLUMN          | K        | KIP                           | W/     | WITH                   |
| CONC                     | CONCRETE        | L        | ANGLE                         | W/O    | WITH OUT               |
| CJ                       | CONTROL JOINT   | LBS      | POUND                         | WD     | WOOD                   |
| CONN                     | CONNECTION      | LLH      | LONG LEG HORIZONTAL           | WWF    | WELDED WIRE FABRIC     |
| CONT                     | CONTINUOUS      | LLV      | LONG LEG VERTICAL             |        |                        |
| COORD                    | COORDINATE      | LVL      | LAMINATED VENEER LUMBER       |        |                        |
| CONST                    | CONSTRUCTION    | LG       | LONG                          |        |                        |
| CONTR                    | CONTRACTOR      | LT GA    | LIGHT GAUGE                   |        |                        |
| d                        | PENNY NAIL      | MATL     | MATERIAL                      |        |                        |
| DP                       | DEEP            | MAX      | MAXIMUM                       |        |                        |
| DET                      | DETAIL          | MTL      | METAL                         |        |                        |
| DIAG                     | DIAGONAL        | MIDHT    | MID HEIGTH                    |        |                        |
| DO                       | DITTO           | MIN      | MINIMUM                       |        |                        |
| DBL                      | DOUBLE          | MNFR     | MANUFACTURER                  |        |                        |
| DF                       | DOUGLAS FIR     | NIC      | NOT IN CONTRACT               |        |                        |
| DWG                      | DRAWING         | NTS      | NOT TO SCALE                  |        |                        |
| DWL                      | DOWELL          | OC       | ON CENTER                     |        |                        |
| EA                       | EACH            | OPNG     | OPENING                       |        |                        |
| EE                       | EACH END        | OPP      | OPPOSITE                      |        |                        |
| EF                       | EACH FACE       | OSB      | ORIENTED STRAND BOARD         |        |                        |
| EJ                       | EXPANSION JOINT | PAF      | POWER ACTIVATED FASTENER      |        |                        |
| EL                       | ELEVATION       | P.E.M.B. | PRE-ENGINEERED METAL BUILDING |        |                        |
| ELEV                     | ELEVATOR        | PL       | PLATE                         |        |                        |
| EMBED                    | EMBEDMENT       | PSF      | POUNDS PER SQUARE FOOT        |        |                        |
| EQ                       | EQUAL           | PSI      | POUNDS PER SQUARE INCH        |        |                        |
| ES                       | EACH SIDE       | PSL      | PARALLEL STRAND LUMBER        |        |                        |
| EW                       | EACH WAY        | PLWD     | PLYWOOD                       |        |                        |
| EWB                      | EACH WAY BOTTOM | PT       | PRESSURE TREATED              |        |                        |
| EX                       | EXISTING        | RCP      | REINFORCED CONCRETE PIPE      |        |                        |
| EXP                      | EXPANSION       | REINF    | REINFORCING                   |        |                        |
| EXT                      | EXTERIOR        | REQ'D    | REQUIRED                      |        |                        |
| FIN                      | FINISHED        | SHTG     | SHEATHING                     |        |                        |

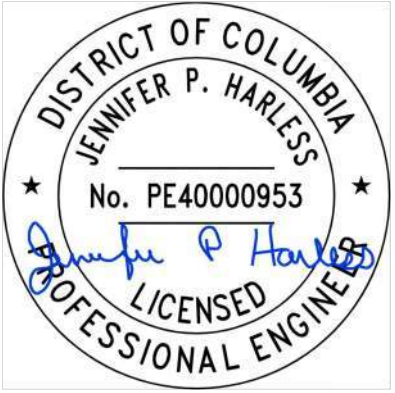


ROOF FRAMING PLAN

1/4" = 1'-0"

NOTES:

- 1. EXISTING 14 GA SHIPPING CONTAINER ROOF TO REMAIN UNALTERED. NEW FRAMING TO BE INSTALLED ABOVE EXISTING CONTAINER ROOF.
- 2. 19/32 APA SPAN RATED 40/24 PLYWOOD.
- 3. NEW WOOD BEAMS TO BE CENTERED ON EXISTING CORNER STACKING LOCATIONS. GC TO FIELD VERIFY EXISTING DIMENSIONS PRIOR TO ORDERING MATERIALS.



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LaToya Liles- Walker

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| # | DESCRIPTION | DATE |
|---|-------------|------|
|---|-------------|------|

TITLE

ROOF  
FRAMING  
PLAN &  
ABBREVIATIONS

S101

SCALE