

| ARCHITECTURAL DRAWING LIST - 10 CORINTHIAN - LOT C | | |
|--|---|------------------|
| Sheet Number | Sheet Name | Sheet Issue Date |
| 0-Cover | | |
| A-00C | COVER SHEET - 10 CORINTHIAN - LOT C | 04/28/2025 |
| 2-CIVIL/LANDSCAPE | | |
| C-1 | SITE PLAN | 11/05/2024 |
| L1 | LANDSCAPE SITE PLAN | 11/19/2024 |
| L2 | LANDSCAPE PLAN | 11/19/2024 |
| L3 | GREEN SCORE | 11/19/2024 |
| 3-Architectural | | |
| A-001 | GENERAL NOTES & ABBREVIATIONS | 04/28/2025 |
| A-010C | CODE REVIEW & EGRESS -10 CORINTHIAN - LOT C | 04/28/2025 |
| A-020C | ARCHITECTURAL SITE PLAN - 10 CORINTHIAN - LOT C | 04/28/2025 |
| A-021C | AREA PLANS - 10 CORINTHIAN - LOT C | 04/28/2025 |
| A-100C | B-2ND FLOOR - 10 CORINTHIAN - LOT C | 04/28/2025 |
| A-101C | 3RD FLOOR & ROOF PLAN - 10 CORINTHIAN - LOT C | 04/28/2025 |
| A-300C | FRONT & REAR ELEVATIONS - 10 CORINTHIAN - LOT C | 04/28/2025 |
| A-301C | LEFT ELEVATION - 10 CORINTHIAN - LOT C | 04/28/2025 |
| A-303 | 3D VIEWS | 04/28/2025 |
| A-520 | TYPICAL SLOPED ROOF DETAILS | 04/28/2025 |
| A-630 | TYPICAL ROOF DETAILS | 04/28/2025 |
| A-710 | STAIR DETAILS | 04/28/2025 |
| A-900 | DOOR & WINDOW SCHEDULE | 04/28/2025 |
| A-901 | DOOR, WINDOW & FINISH FLOOR DETAILS | 04/28/2025 |
| A-910 | PARTITION TYPES | 04/28/2025 |
| 4-STRUCTURAL | | |
| S0.0 | GENERAL NOTES | 04/15/2025 |
| S6.1 | SHEAR WALLS DETAILS | 04/15/2025 |
| S6.0 | SHEAR WALLS | 04/15/2025 |

| ARCHITECTURAL DRAWING LIST - 10 CORINTHIAN - LOT C | | |
|--|---|------------------|
| Sheet Number | Sheet Name | Sheet Issue Date |
| S5.0 | FOUNDATION DETAILS | 04/15/2025 |
| S4.0 | FOUNDATION DETAILS | 04/15/2025 |
| S3.0 | FRAMING PLANS | 04/15/2025 |
| S2.0 | FRAMING PLANS | 04/15/2025 |
| S1.0 | FOUNDATION PLAN AND FIRST FLOOR FRAMING | 04/15/2025 |



PROJECT: 10 CORINTHIAN RESIDENCES

PROJECT ADDRESS:
10-12 CORINTHIAN ROAD
SOMERVILLE, MASSACHUSETTS

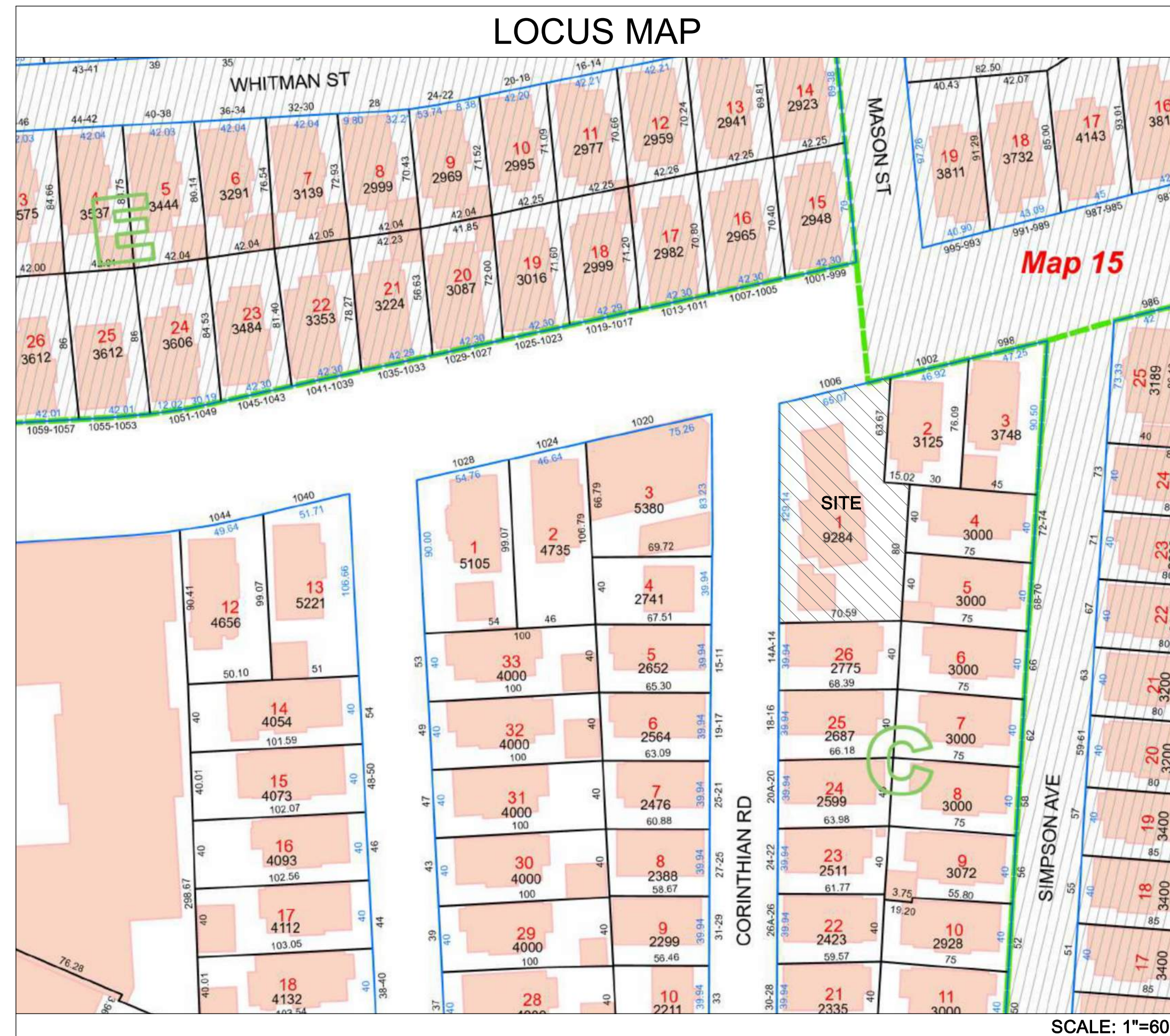
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PERMIT SET
04/28/2025



PROJECT NAME
10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT

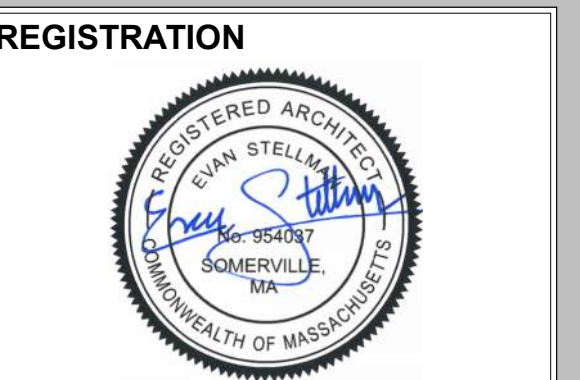
KDI ARCHITECTURE

KHALSA DESIGN, INC.
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CONSULTANTS:

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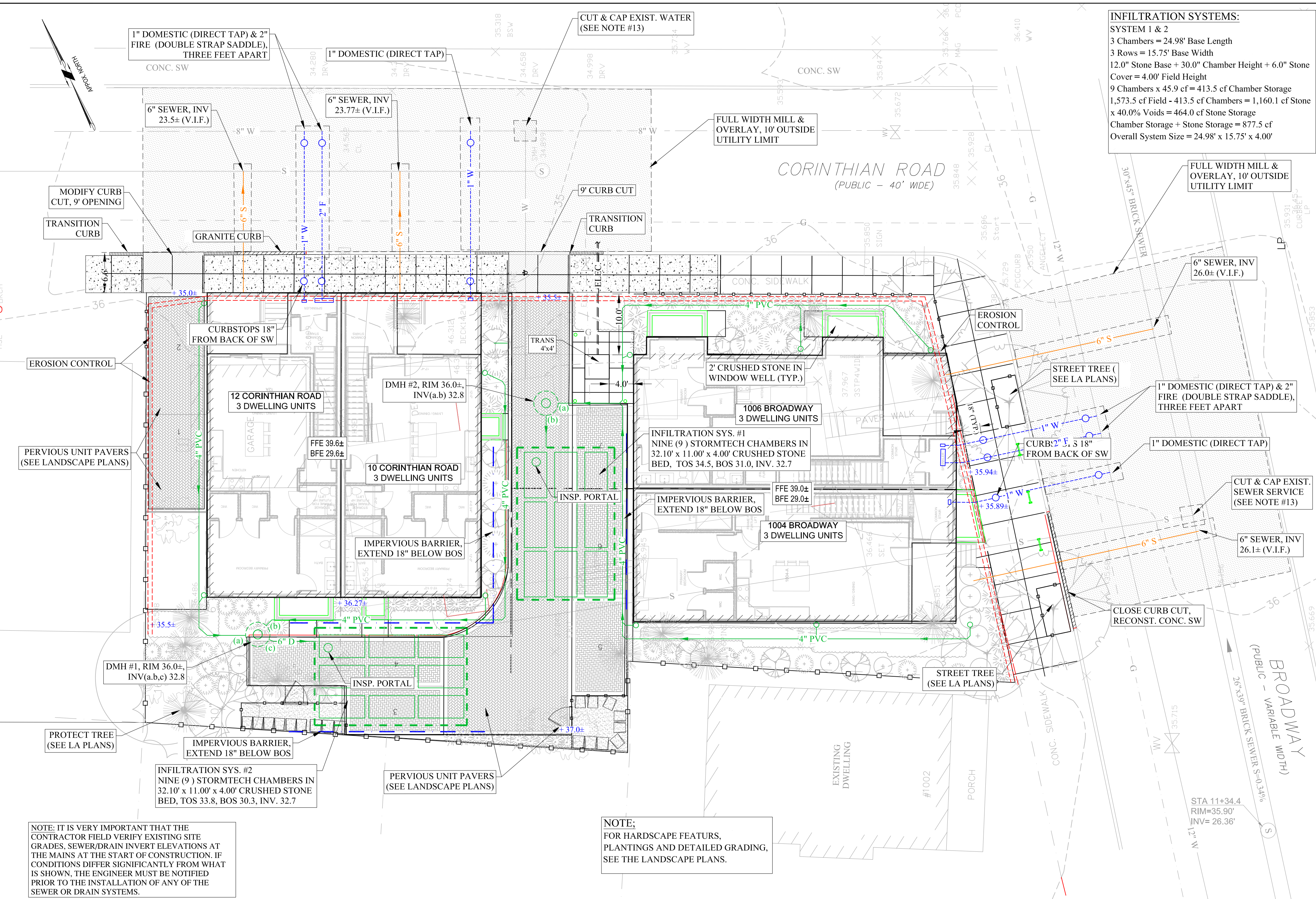
| REGISTRATION | |
|----------------|-------------|
| Project number | 24016 |
| Date | 04/28/2025 |
| Drawn by | Author |
| Checked by | Checker |
| Scale | 1" = 60'-0" |

| REVISIONS | | |
|-----------|-------------|------|
| No. | Description | Date |
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COVER SHEET -
10 CORINTHIAN -
LOT C

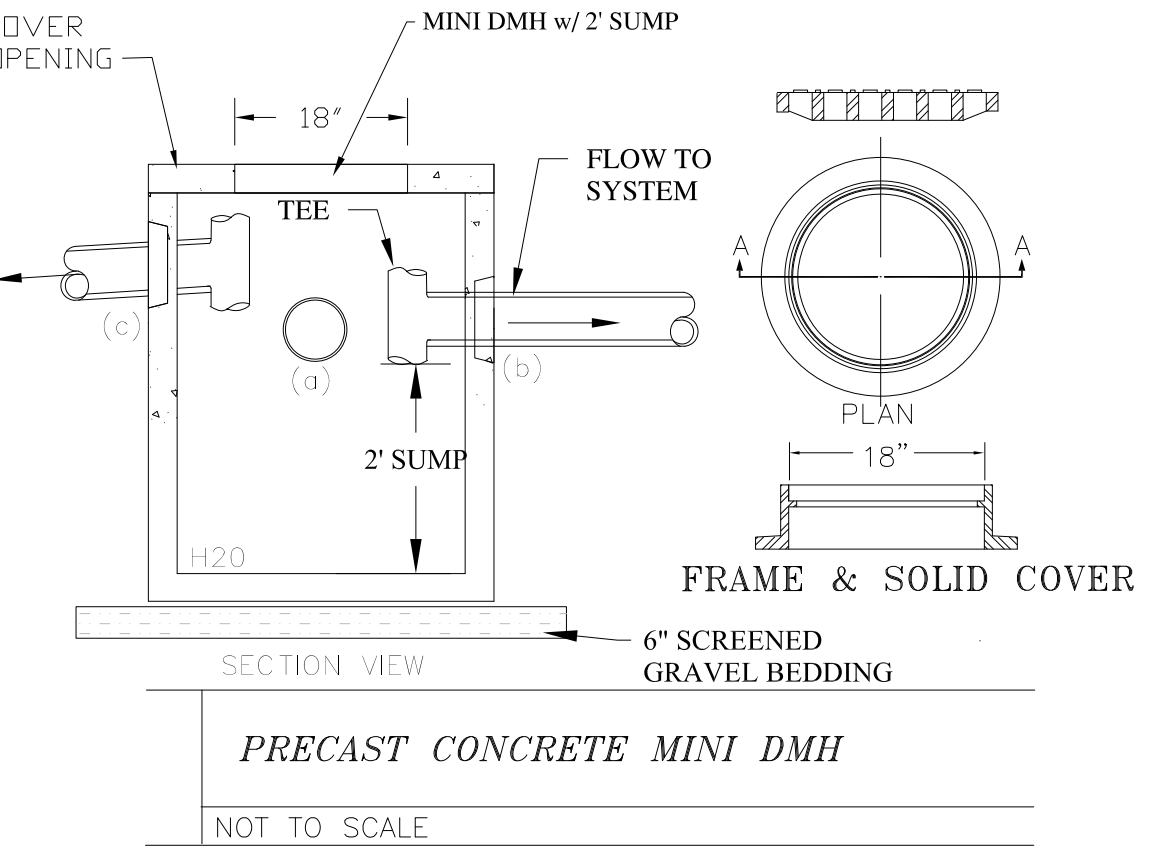
A-00C

10-12 CORINTHIAN RESIDENCES



INFILTRATION SYSTEMS:
 SYSTEM 1 & 2
 3 Chambers = 24.98' Base Length
 3 Rows = 15.75' Base Width
 12.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 4.00' Field Height
 9 Chambers x 45.9 cf = 413.5 cf Chamber Storage
 1,573.5 cf Field = 413.5 cf Chambers = 1,160.1 cf Stone x 40.0% Voids = 464.0 cf Stone Storage
 Chamber Storage + Stone Storage = 877.5 cf
 Overall System Size = 24.98' x 15.75' x 4.00'

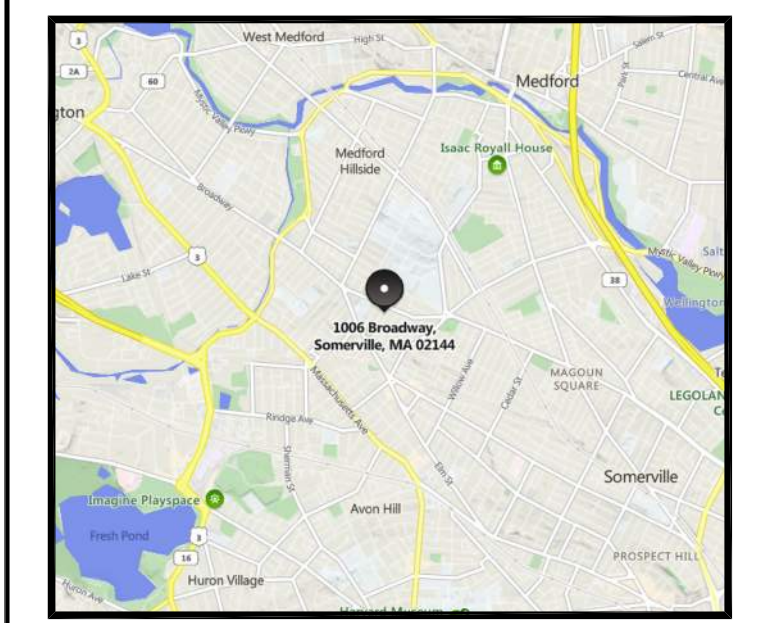
- GENERAL NOTES**
- THE PURPOSE OF THIS SITE PLAN IS TO DEPICT THE DESIGN AND LAYOUT OF THE BUILDING UTILITIES AND STORM DRAINAGE SYSTEM. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL, STRUCTURAL AND LANDSCAPE PLANS.
 - NOTHING ON THIS PLAN SHALL BE USED FOR OR INTERPRETED AS PERTAINING TO PROPERTY LINE INFORMATION. FOR INFORMATION RELATING TO PROPERTY LINES OR BOUNDARIES, SEE ORIGINAL SURVEY PLANS BY THE REGISTERED PROFESSIONAL LAND SURVEYOR OF RECORD.
 - THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OR SIZE OF EXISTING UTILITIES ON THE SITE OR WITHIN THE STREET. STREET UTILITIES SHOWN ARE BASED ON RECORD PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR VERIFYING AND RECORDING THE LOCATION OF EACH UTILITY AT THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FINAL DEMARCATION POINTS FOR ELEC. AND GAS SERVICES.
 - THE CONTRACTOR SHALL CONTACT THE CITY OF SOMERVILLE FOR THE MARKING OF EXISTING MUNICIPAL UTILITIES, AND SHALL ALSO CONTACT DIG-SAFE AT 1-888-344-7233, FAX 1-800-322-4844. DIGSAFE MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO EXCAVATION.
 - ALL WORK PERFORMED SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND REGULATIONS OF THE CITY OF SOMERVILLE AND TO ALL APPLICABLE LOCAL AND STATE REGULATIONS.
 - THE CONTRACTOR SHALL SUPPLY ALL PIPING, STRUCTURES, MATERIALS, AND APPURTENANCES, NECESSARY TO COMPLETE THE STORM DRAINAGE SYSTEMS AS INDICATED ON THE PLANS.
 - THE CITY RESERVES THE RIGHT TO INSPECT ALL PRIVATE FACILITIES DISCHARGING TO MUNICIPAL FACILITIES.
 - DURING EXCAVATION AND CONSTRUCTION OF PIPES AND STRUCTURES, TRENCHES MUST BE ADEQUATELY BRACED TO PROTECT AGAINST CAVE-IN.
 - THE CONTRACTOR SHALL TIE IN ALL ROOF DRAINS FROM THE BUILDING TO THE STORM DRAINAGE SYSTEM. COORDINATION WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS IS NECESSARY.
 - THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SOIL IS TRACKED FROM THE SITE ONTO CITY STREETS OR SIDEWALKS. NO VEHICLES MAY PARK ON CITY SIDEWALKS AT ANY TIME.
 - AN AS-BUILT DRAWING (CERTIFIED BY A PROFESSIONAL ENGINEER OR SURVEYOR) OF THE FINAL SITE CONDITIONS, INCLUDING BUILDING FOOTPRINT, UTILITIES ABANDONED AND INSTALLED, DRAINAGE IMPROVEMENTS AND FINAL GRADING MUST BE SUBMITTED TO THE DPW. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER AND SOMERVILLE DPW FOR INSPECTION OF THE INFILTRATION SYSTEMS PRIOR TO BACKFILLING.
 - EXISTING DOMESTIC WATER/FIRE SERVICE(S) WILL BE CUT AND CAPPED AT THE MAIN AND TOP OF SERVICE BOX REMOVED. WATER METER AND MTU WILL BE RETRIEVED BY THE WATER DEPARTMENT ON THE DATE OF THE WATER SERVICE(S) CUT AND CAP.
 - WATER DEPARTMENT INSPECTION IS REQUIRED PRIOR TO BACKFILL OF THE WATER SERVICE TRENCH. PLEASE CONTACT INSPECTOR AT 617-634-2189 (CARLOS PEREZ).
 - DOMESTIC AND FIRE SERVICES WILL BE A MINIMUM OF THREE (3) FEET APART, THREE (3) FEET FROM OTHER CONNECTIONS OR FIXTURES, AND A MINIMUM OF TEN (10) FEET OF HORIZONTAL SEPARATION FROM SEWER LATERALS. AT LEAST 18-INCHES OF VERTICAL SEPARATION WHERE CROSSINGS ARE UNAVOIDABLE.
 - FLAG ALL TREES 2" AND LARGER TO BE REMOVED FIVE WORKING DAYS BEFORE PLANNED REMOVAL. NOTIFY THE CITY ENGINEERING DEPARTMENT ON THE DAY OF FLAGGING.



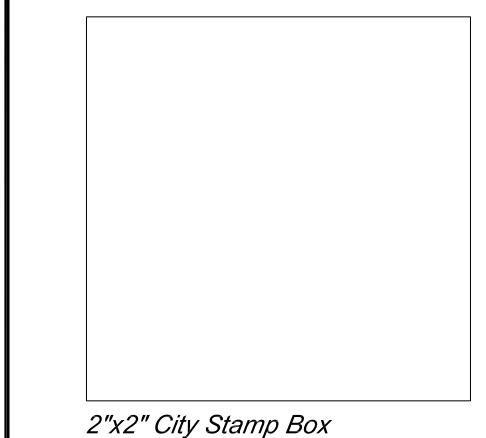
Site Plan

1006 Broadway

SOMERVILLE



PARCEL ID: 12-C-1



REFERENCES:
 Survey: Scott M. Cerrato, PLS, Plot Plan 10-31-21
 Architecture: KDI Architecture

MATERIALS:
 ROOF DRAINS: 4" & 6" PVC ASTM D3034-SDR 35
 SEWER: 6" PVC ASTM D3034-SDR 35
 1" WATER SERVICE - COPPER (TYPE K) (MIN. 5' BELOW GRADE)
 2" FIRE SERVICE - COPPER (TYPE K) (MIN. 5' BELOW GRADE)

- EROSION & SEDIMENTATION CONTROL**
- THE CONTRACTOR SHALL PROVIDE A SEQUENCE OF CONSTRUCTION - PHASING OF WORK
 - THE CONTRACTOR SHALL PROVIDE FILTER MITT OR APPROVED EQUIVALENT AT SPECIFIC LOCATIONS ON THE SITE WHERE EROSION FROM THE CONSTRUCTION ACTIVITIES IS POSSIBLE.
 - THE CONTRACTOR SHALL PLACE CRUSHED STONE AT THE VEHICULAR ENTRY POINTS TO THE SITE TO LIMIT EROSION FROM THE SITE IF TRACKING OF DEBRIS ON TO THE ROADWAY BECOMES A PROBLEM.
 - THE CONTRACTOR SHALL SWEEP AND MAINTAIN THE STREET FREE OF DEBRIS FROM THE CONSTRUCTION SITE AT ALL TIMES WITHIN THE LIMITS OF THE SITE AND DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL PROVIDE SILT SACKS AT ALL C/S'S ADJOINING THE SITE.

| No. | Date | Comment |
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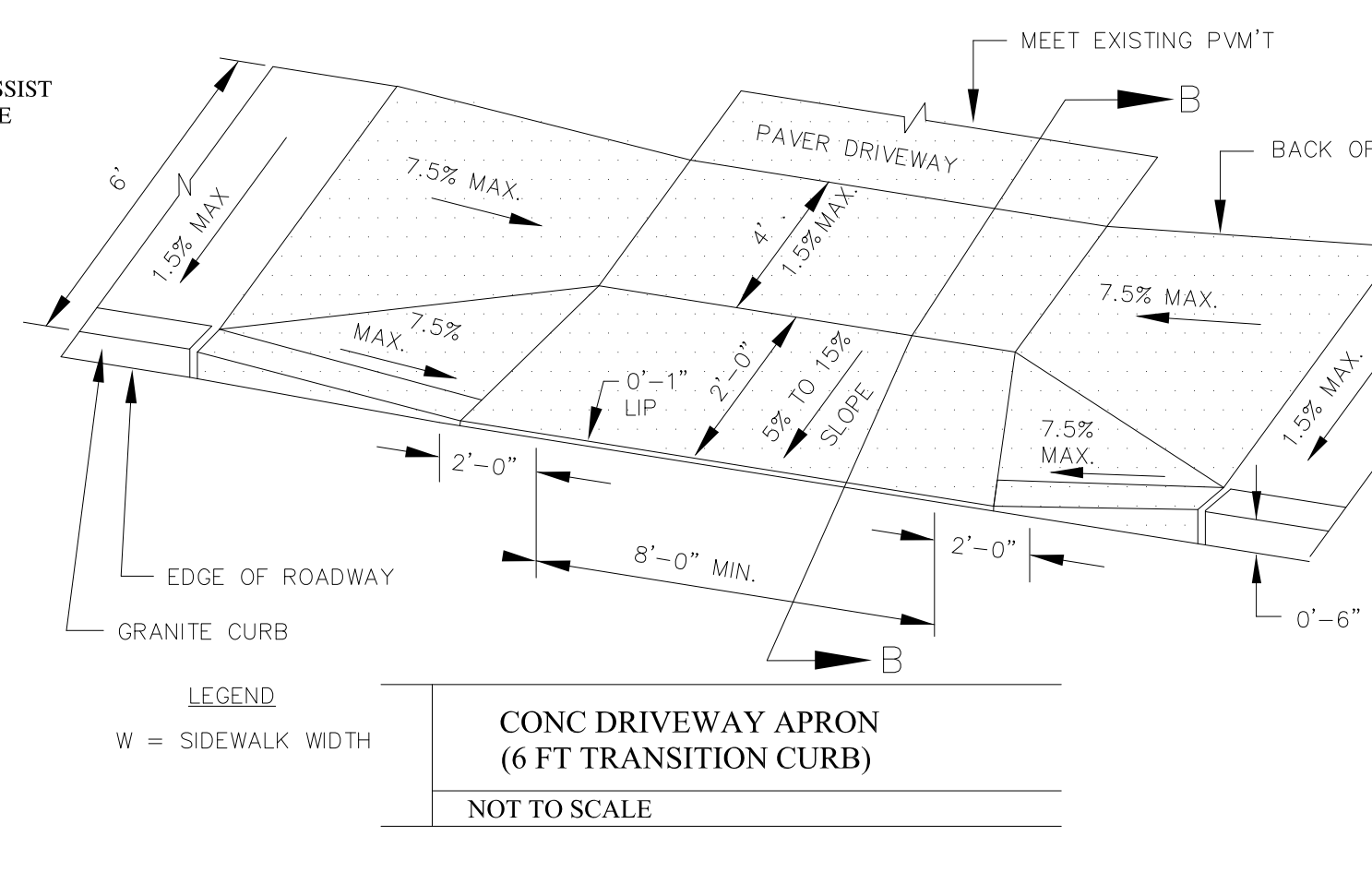
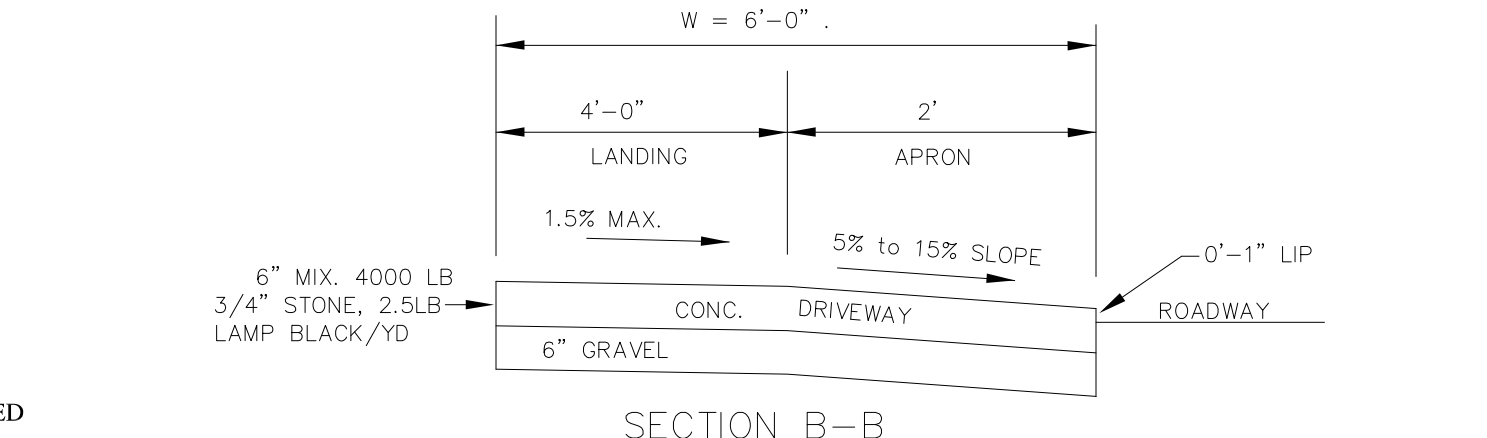
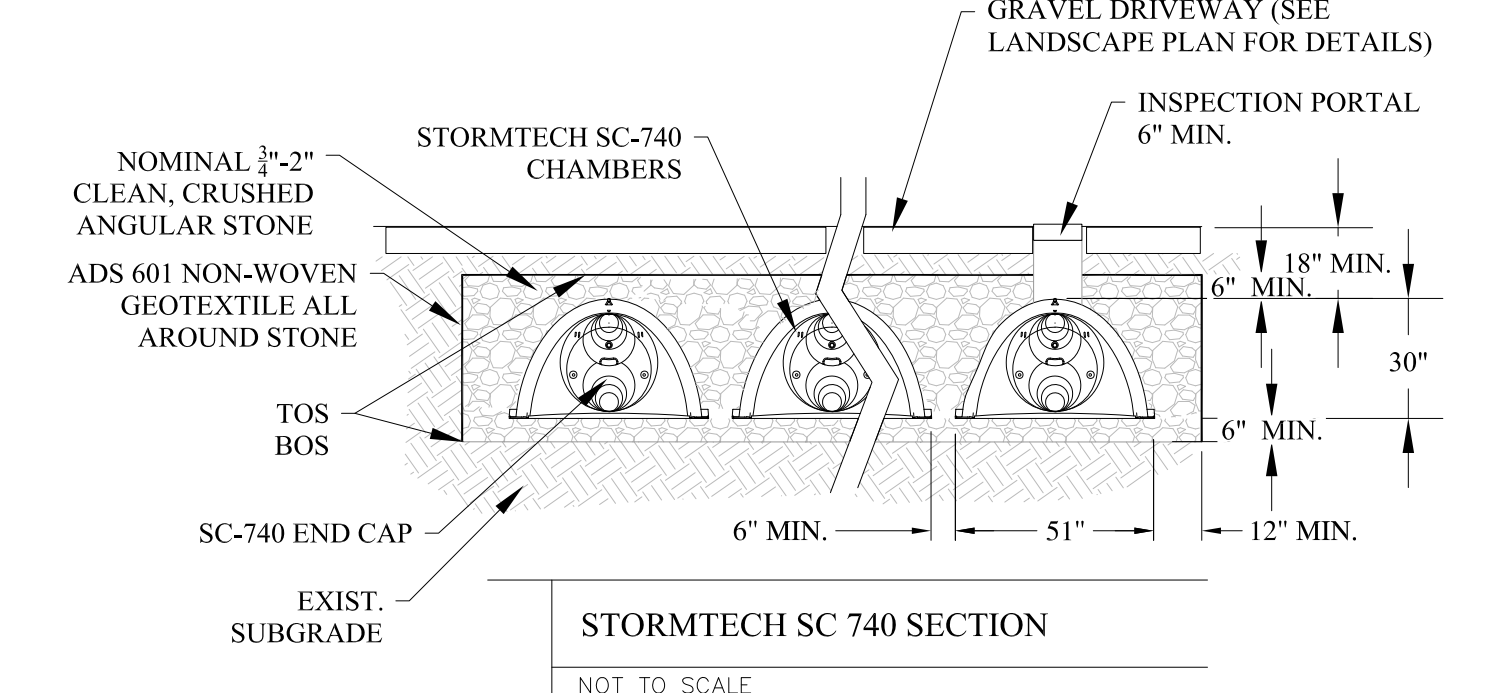
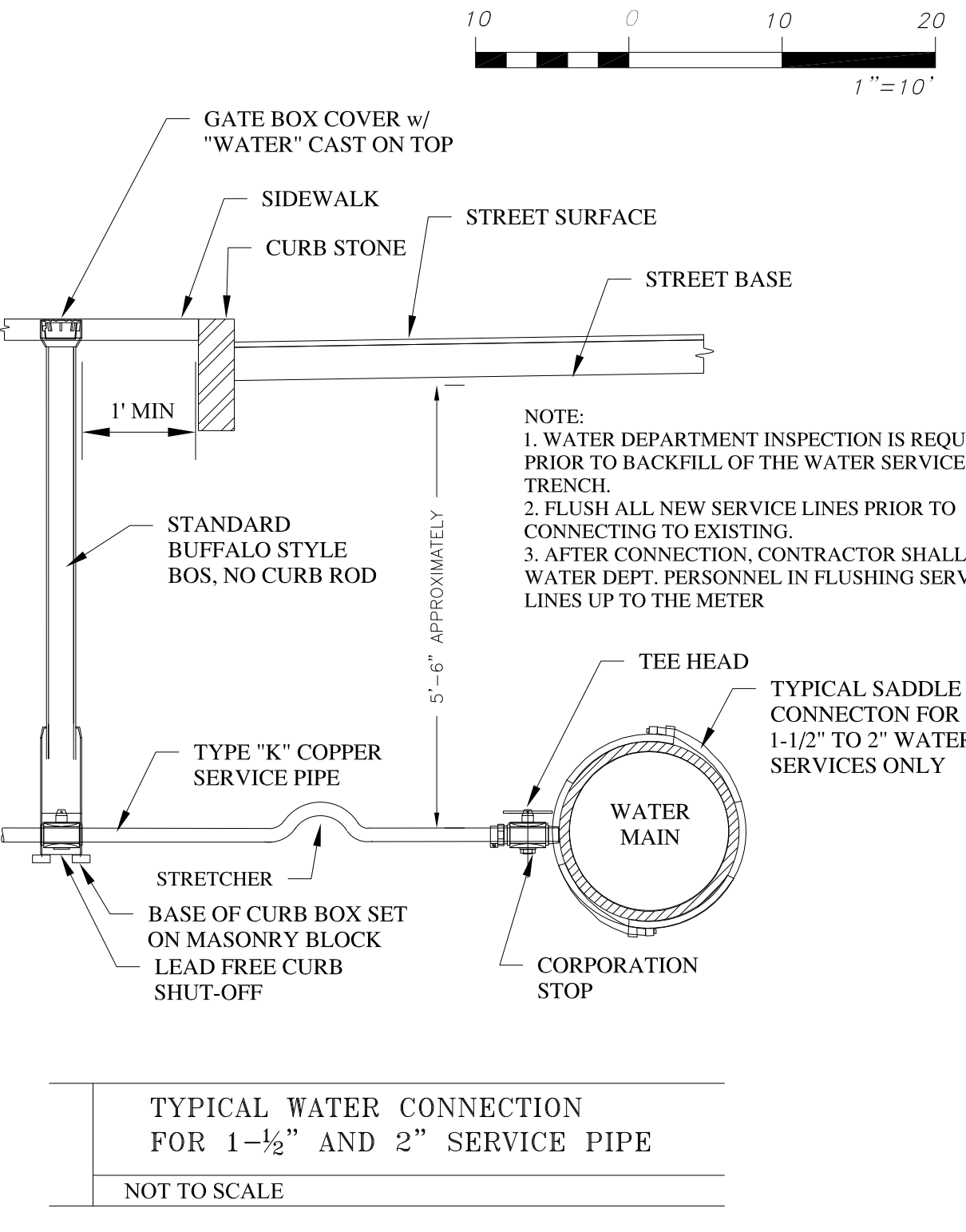
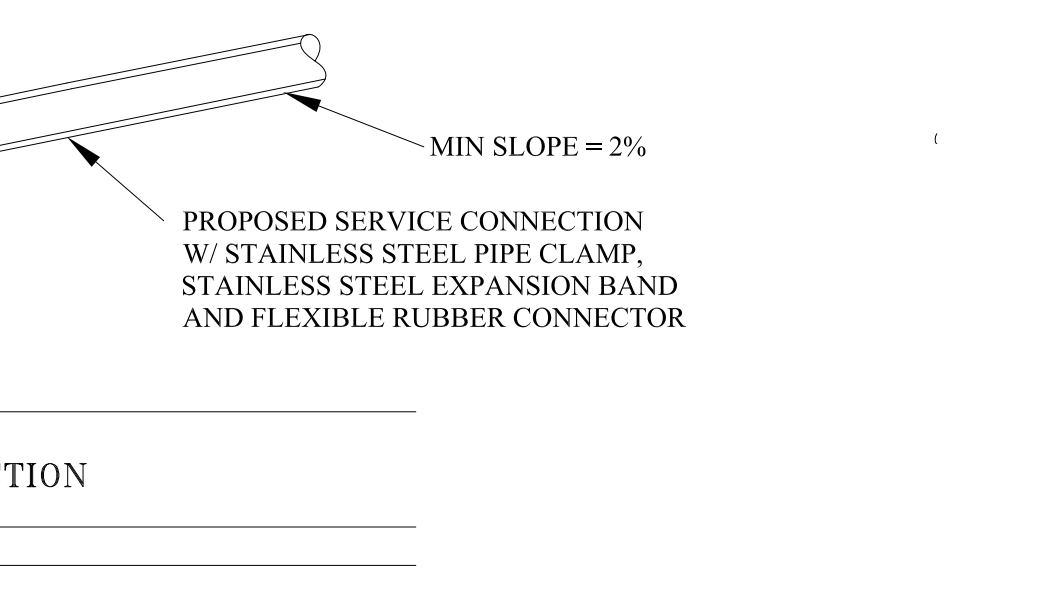
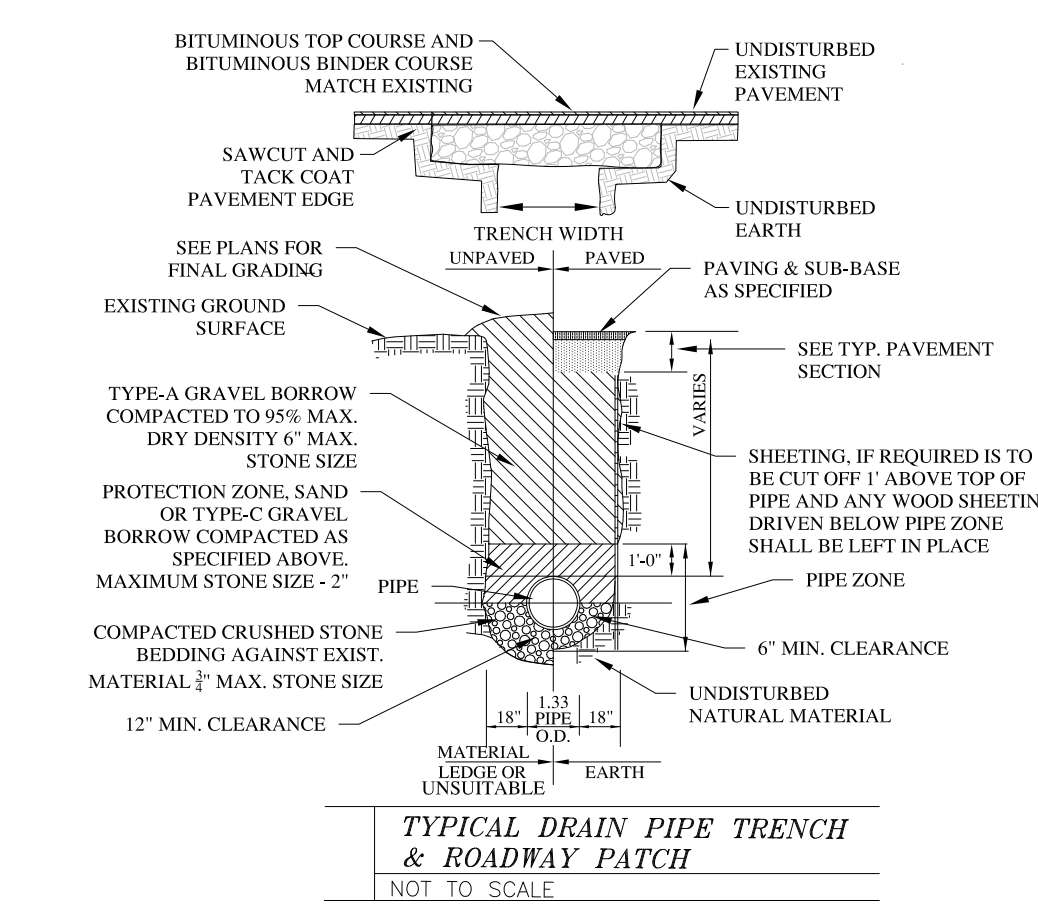
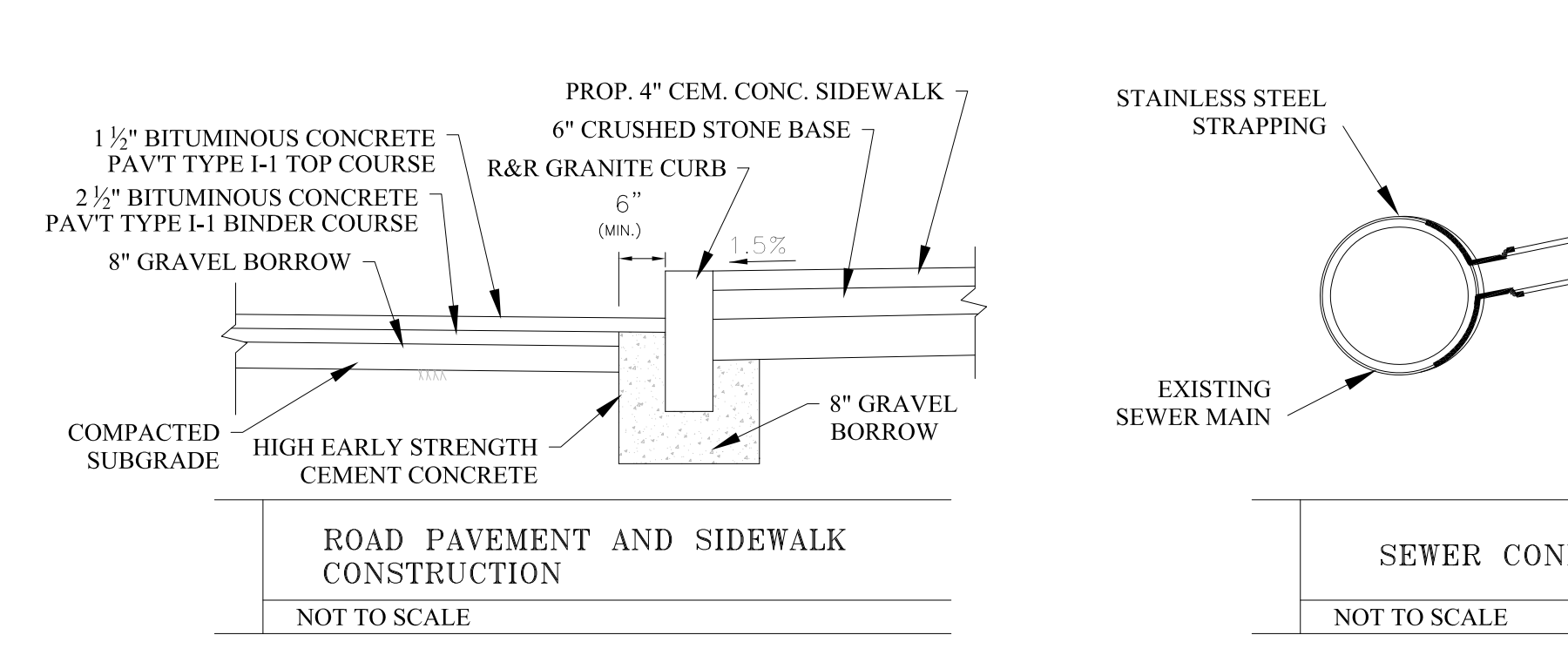
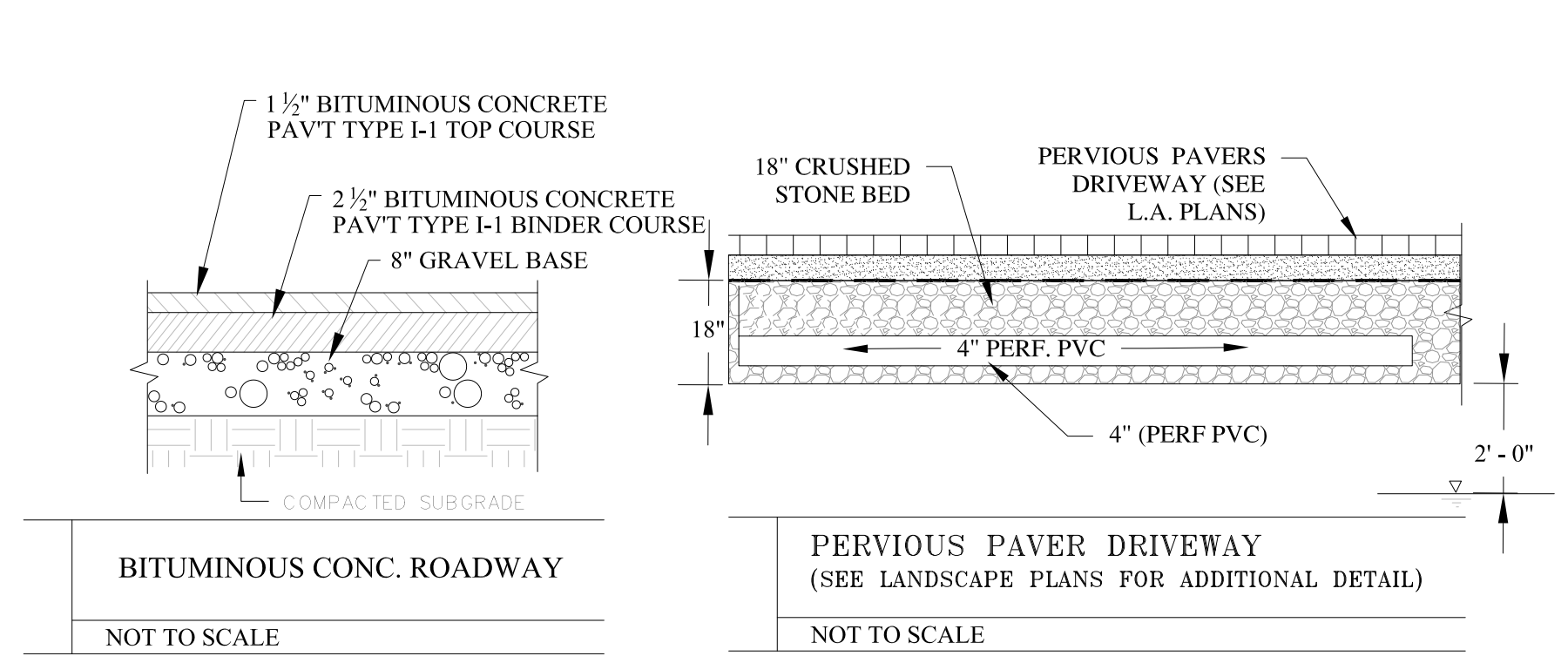
Columbia Design Group, LLC
 Civil Engineering

14 Upham Avenue
 Dorchester, Massachusetts 02125
 Phone 617.905.3886

DRAFT - NOT FOR CONSTRUCTION

Date: November 5, 2024
 Scale: 1" = 10'
 Project No.: 2024-141
 Drawing by: PG

C-1
 Sheet 1 of 1



LEGEND
 W = SIDEWALK WIDTH
 CONC DRIVEWAY APRON (6 FT TRANSITION CURB)
 NOT TO SCALE

ARCHITECTURAL ABBREVIATIONS

| | | | | | | | | | |
|--|--|--|---|--|--|--|--|---|---|
| & AND | C | E | F | J | N | R | S | W | |
| A | CD COILING DOOR CG COILING GRILLE CL CENTER LINE CLS CLASS CLR CLEAR CM CONSTRUCTION MANAGER AD AREA DRAIN ADD ADDENDUM ADL ADDITIONAL ADJ ADJUSTABLE ADJ ADJACENT ADMIN ADMINISTRATION AFF ABOVE FINISH FLOOR AHU AIR HANDLING UNIT ALT ALTERNATE ALUM ALUMINUM ANUN ANNUNCIATOR AP ACCESS PANEL APC ARCHITECTURAL PRECAST CONCRETE APROX APPROXIMATE ARCH ARCHITECTURAL AUTO AUTOMATIC AWT ACOUSTICAL WALL TREATMENT | CD COILING DOOR CG COILING GRILLE CL CENTER LINE CLS CLASS CLR CLEAR CM CONSTRUCTION MANAGER AD AREA DRAIN ADD ADDENDUM ADL ADDITIONAL ADJ ADJUSTABLE ADJ ADJACENT ADMIN ADMINISTRATION AFF ABOVE FINISH FLOOR AHU AIR HANDLING UNIT ALT ALTERNATE ALUM ALUMINUM ANUN ANNUNCIATOR AP ACCESS PANEL APC ARCHITECTURAL PRECAST CONCRETE APROX APPROXIMATE ARCH ARCHITECTURAL AUTO AUTOMATIC AWT ACOUSTICAL WALL TREATMENT | EJT EXPANSION JOINT EL ELEVATION ELEC ELECTRICAL ELEV ELEVATOR EMERG EMERGENCY ENCL ENCLOSURE ENTR ENTRANCE EQ EQUIPMENT EP EXPLOSION PROOF EQ EQUAL EQU EQUIPMENT ES END SECTION EWC ELECTRIC WATER COOLER EXA EXHAUST AIR EXC EXCAVATE/ED-IION EXH EXHAUST HOOD EXIST EXISTING EXP EXPANSION EXT EXTERIOR E EXISTING ELEC ELECTRICAL ELEV ELEVATOR EMERG EMERGENCY ENCL ENCLOSURE ENTR ENTRANCE EQ EQUIPMENT EP EXPLOSION PROOF EQ EQUAL EQU EQUIPMENT ES END SECTION EWC ELECTRIC WATER COOLER EXA EXHAUST AIR EXC EXCAVATE/ED-IION EXH EXHAUST HOOD EXIST EXISTING EXP EXPANSION EXT EXTERIOR | FRMG FRAMING FS FULL SIZE FS FLOOR SINK FSTOP FIRESTOPPING FT FOOTING FTR FIN TUBE RADIATION FURR FURRING FUT FUTURE | JAN JANITOR JB JUNCTION BOX JT JOIST JST JOIST | NA NOT APPLICABLE NIC NOT IN CONTRACT NO NUMBER NOM NOMINAL NRC NOISE REDUCTION COEFFICIENT NT NOTE NTS NOT TO SCALE | R RADIUS R RISER RA RETURN AIR RAD RADIATION RB RESILIENT BASE RD ROOF DRAIN RE RELOCATE EXISTING REC RECESSED REF REFERENCE REFR REFRIGERATOR REG REGISTER REIN REINFORCE/ED-IING REM REMOVE REQ REQUIRED RET RETAINING REV REVERSE REV REVISION RF RESILIENT FLOOR RH ROOF HATCH RM ROOM RO ROUGH OPENING RS ROUGH SLAB RWC RAIN WATER CONDUCTOR | STS STEEL STRUCTURE SUPV SUPERVISOR SUSP SUSPENDED SW STEEL WINDOWS SW SWITCH SWD SOFTWOOD SYM SYMMETRICAL | W WIDTH/WIDE WF WITH W/O WITHOUT WC WATER CLOSET WALL WALL COVERING WD WOOD WDW WINDOW WG WALL GUARD WH WALL HYDRANT WHCH WHEELCHAIR WHTR WATER HEATER WP WATERPROOF WR WASTE RECEPTACLE WS WEATHERSTRIP WSCOT WAINSCOT WT WINDOW TREATMENT WT WEIGHT WW WOOD WINDOW WWF WELDED WIRE FABRIC |
| B | D | F | H | L | O | P | S | U | |
| BA BUILDING ACCESSORY BBD BULLETIN BOARD BC BRICK COURSES BD BOARD BFE BOTTOM FOOTING ELEVATION BG BUMPER GUARD BIT BITUMINOUS BKT BRACKET BLDG BUILDING BLKG BLOCKING BLT BLOWN LIGHT BLW BELOW BM BEAM BO BY OWNER BOT BOTTOM BR BRICK BRG BEARING BRL BRICK LEDGE BSMT BASEMENT BTWN BETWEEN BUR BUILT-UP ROOFING | D DEMO DEPTH OR DEEP DEPR DEPRESSION DEPT DEPARTMENT DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIAG DIAGONAL DIFF DIFFUSER DIM DIMENSION DISP DISPENSER DISTR DISTRIBUTION DIV DIVISION DJT DUMMY JOINT DN DOWN DM DEMOUNTABLE PARTITION DP DATA PROCESSING DR DOOR DS DOWNSPOUT DW DUMBWAITER DWG DRAWING DWLS DOWELS | FA FIRE ALARM FB FIRE BLANKET FD FLOOR DRAIN FDN FOUNDATION FDV FIRE DEPARTMENT VALVE FE FIRE EXTINGUISHER FGS FOAM GASKET SEAL FH FIRE HOSE FHP FULL HEIGHT PARTITION FHV FIRE HOSE VALVE FIN FINISH FISH FLASHING FL FLOOR FL FLOW LINE FLASH FLASHING FLX FLEXIBLE FLG FLANGE FLUOR FLUORESCENT FP FIRE PROOFING | H HIGH HB HOSE BIB HD HAND DRYER HDCP HANDICAP HDR HEADER HDW HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL HPT HIGHTPOINT HR HANDRAIL HT HEIGHT HTR HEATER HVAC HEATING, VENTILATING, AIR CONDITIONING HW HOT WATER HWD HARDWOOD | L ANGLE LAV LAVATORY LB LBS POUND LCD LCD LINE FIGURED LF LINEAR LKR LOCKER LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LMC LINEAR METAL CEILING LOC LOCATION OR LOCATE LPT LOW POINT LS LAWN SPRINKLING LT LIGHT LTG LIGHTING LVR LOUVER LWC LINEAR WOOD CEILING | OC ON CENTER OD OFF OFF OFFICE OH OVERHEAD OP OPERABLE PARTITION OPER OPERATOR OPNG OPENING OPP OPPOSITE ORD OVERFLOW ROOF DRAIN | PART PARTITION PB PUSH BUTTON PC PRECAST CONCRETE PCD PAPER CUP DISPENSER PED PEDESTAL PL PLATE PL PROPERTY LINE PLAM PLASTIC LAMINATE PLBG PLUMBING PLS PLASTER PLYW PLYWOOD PNL PANEL PR PAIR PRELIM PRELIMINARY PRES PRESSURE PRIM PRIMARY PROJ PROJECTION PRV POWER ROOF VENTILATOR PT PAINT PTC PAPER TOWEL CABINET PTR PRINTER PVC POLYVINYL CHLORIDE | S SINK SCHD SCHEDULE UG UNDERGROUND SD SMOKE DAMPER SDISP SOAP DISPENSER SECT SECTION SECY SECRETARY SF STORE FRONT SFS SQUARE FOOT SH SHOWER SHD SHOWER HEAD SHEET SHEET SHTG SHEATHING SIM SIMILAR SEAL SEALANT SLNT SEALANT SLV SLEEVE SM SURFACE MOUNTED SNC SANITARY NAPKIN CABINET SND SANITARY NAPKIN DISPOSER SOG SLAB ON GRADE STANDPIPE SPEC SPECIFICATIONS SPR SINGLE PLY ROOF SQ SQUARE SQ YD SQUARE YARD SR SERVICE RECEPTOR SS SERVICE SINK SST STAINLESS STEEL ST STREET ST STONE TILE STC SOUND TRANSMISSION STD STANDARD STL STEEL STN STONE STNL STONE LEDGE STOR STORAGE STRUCT STRUCTURAL | U URINAL UC UNDERCUT UFD UNDER FLOOR DUCT UG UNDERGROUND UH UNIT HEATER UNFIN UNFINISHED UNO UNLESS NOTED OTHERWISE US UTILITY SHELF UTIL UTILITY | |
| C | E | I | M | Q | OT | Q | V | V | |
| C CHANNEL C DISP CUP DISPENSER CAB CABINET CG CORNER GUARD CH COAT HOOK CJT CONTROL JOINT CCTV CLOSED CIRCUIT TELEVISION | E EXIST EXISTING EC ELECTRIC CABINET EF EXHAUST FAN EIFS EXTERIOR INSULATION AND FINISH SYSTEM | IC INTERCOM ID INSIDE DIAMETER IN INCH INSUL INSULATION INT INTERIOR ISO ISOLATION | M MIDDLE MAN MANUAL MATL MATERIAL MAX MAXIMUM MBD MARKER BOARD MC MEDICINE CABINET MCU MODULAR COOLING UNIT MECH MECHANICAL MEMB MEMBRANE MET METAL MEZZ MEZZANINE MFR MANUFACTURER MH MANHOLE MHC MATERIAL HANDLING CONVEYOR MIN MINIMUM MIR MIRROR MISC MISCELLANEOUS MO MASONRY OPENING MONO MONOLITHIC MPC METAL PAN CEILING MPU MULTI-PURPOSE UNIT MTD MOUNTED MTR MOTOR MULL MULLION | QT QUARRY TILE | | V VALVE CABINET VENT VENTILATION VERT VERTICAL VEST VESTIBULE VR VAPOR RETARDER VTR VENT THROUGH ROOF | | | |

SYMBOLS

| | | | |
|--|--|--|--|
| | LEVEL LINE, CONTROL OR DATUM ELEVATION | | DETAIL REFERENCE DRAWING NUMBER |
| | REVISION NUMBER | | EXTERIOR ELEVATION NUMBER |
| | PARTITION TYPE | | INTERIOR ELEVATION KEY |
| | CASEWORK TYPE | | ROOM/SPACE NUMBER |
| | INTERIOR WINDOW TYPE | | DOOR NUMBER |
| | WINDOW TYPE | | SEALANT AND BACKER ROD JOINT |
| | COLUMN REFERENCE GRID | | DASH AND DOT CENTER LINE |
| | BUILDING SECTION REFERENCE DRAWING NUMBER | | DASH AND DOUBLE DOT LINES PROPERTY LINES, BOUNDARY LINES |
| | WALL SECTION REFERENCE DRAWING NUMBER | | |
| | SECTION DETAIL REFERENCE DRAWING NUMBER | | |
| | DIMENSION LINE | | |
| | BREAK LINE TO BREAK OFF PARTS OF A DRAWING | | |
| | DOTTED LINE HIDDEN OR CONSTRUCTION ABOVE, BEYOND | | |

INDICATION OF MATERIALS

| | | | |
|--|--------------------|--|-----------------------|
| | EARTH/COMPACT FILL | | POROUS FILL/ GRAVEL |
| | CONCRETE | | SAND MORTAR |
| | MASONRY | | CONCRETE MASONRY UNIT |
| | STONE | | RUBBLE |
| | METAL | | STEEL/IRON |
| | ALUMINUM | | WOOD SHIM |
| | GLASS | | GLASS BLOCK |
| | INSULATION | | BATT/ LOOSE FILL |
| | RIGID | | FIRE SAFING |
| | GYPSUM WALL BOARD | | ACOUSTICAL TILE |

GENERAL NOTES

- GENERAL CONDITIONS : THE GENERAL CONDITIONS FOR THIS CONTRACT SHALL BE AIA DOCUMENT A201 (1987 EDITION) EXCEPT AS HEREIN AMENDED.
- SCOPE : WORK TO INCLUDE DEMOLITION AND CONSTRUCTION AS INDICATED ON THE DRAWINGS NECESSARY FOR A COMPLETE INSTALLATION. EACH CONTRACTOR SHALL RESPECT THE WORK OF OTHER CONTRACTORS AND ARE RESPONSIBLE FOR AND LIABLE TO REPAIR OR REPLACE ANY DAMAGE CAUSED BY THEIR WORK.
- CODES : ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL AND STATE CODES AND REGULATIONS HAVING JURISDICTION. THE CONTRACTOR SHALL PROTECT AND INDEMNIFY THE OWNER AND ARCHITECT AGAINST ANY CLAIM OR LIABILITY ARISING FROM ANY SUCH CODE OR REGULATION.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, INSPECTIONS AND APPROVALS.
- QUALITY : WORKMANSHIP SHALL BE OF THE HIGHEST TYPE, AND MATERIALS USED OR SPECIFIED OF THE BEST QUALITY THAT THE MARKET AFFORDS. ALL INSTALLATIONS AND APPLICATIONS SHALL CONFORM TO THE MANUFACTURERS SPECIFICATIONS.
- COORDINATION OF THE WORK : THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK CONTRACT FROM THE CONTRACTOR OR THE OWNER. THE CONTRACTORS INSTRUCTIONS SHALL BE FOLLOWED BY ALL TRADES.
- MECHANICAL TRADES : THE MECHANICAL AND ELECTRICAL TRADES SHALL INSTALL THEIR WORK AS RAPIDLY AS THE OTHER WORK PERMITS AND SHALL COMPLETE THIS WORK BY THE TIME THE OTHER TRADES HAVE FINISHED.
- EXAMINATION OF THE SITE AND DOCUMENTS : THE CONTRACTOR, BEFORE SUBMITTING HIS PROPOSAL, SHALL VISIT THE SITE AND EXAMINE FOR HIMSELF ALL CONDITIONS AND LIMITATIONS WHICH EFFECT THE CONTRACT. THE CONTRACTOR SHALL CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS, TITLES AND SUBDIVISIONS IN THESE DOCUMENTS ARE FOR CONVENIENCE, AND NO REAL OR ALLEGED ERRORS IN ARRANGEMENT OF MATTER SHALL BE REASON FOR OMISSION OR DUPLICATION BY ANY CONTRACTOR.
- SEPARATE CONTRACTS : THE OWNER RESERVES THE RIGHT TO LET OTHER CONTRACTS IN CONNECTION WITH THE WORK. THE GENERAL CONTRACTOR SHALL AFFORD OTHER CONTRACTORS REASONABLE OPPORTUNITY FOR THE EXECUTION OF THEIR WORK AND SHALL PROPERLY CONNECT AND COORDINATE HIS WORK WITH THEIRS.
- GUARANTEE : ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE UNLESS SPECIFIED OTHERWISE FOR A LONGER PERIOD OF TIME ON CERTAIN ITEMS.
- TRASH REMOVAL : PRIOR TO STARTING WORK, THE GENERAL CONTRACTOR SHALL PROVIDE A CONSTRUCTION DUMPSTER AND PICKUP SERVICE FOR ALL CONSTRUCTION DEBRIS (DUMPSTER LOCATION TO BE COORDINATED WITH THE OWNER). AT THE END OF EACH DAY, THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE AND OR WITHIN THE BUILDING. IF TRASH AND DEBRIS ARE NOT REMOVED, THE OWNER MAY (AT HIS OPTION) PAY FOR THE REMOVAL AND BACK CHARGE THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- ALL SECTIONS, DETAILS, MATERIALS, METHODS, ETC. SHOWN AND/OR NOTED ON ANY PLAN OR SECTION SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS OTHERWISE NOTED.
- THE GENERAL CONTRACTOR SHALL SAFELY SHORE, BRACE, OR SUPPORT ALL WORK AS REQUIRED. THIS WORK SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR AND NO ACT, DIRECTION, OR REVIEW OF ANY SYSTEM OR METHOD BY THE ARCHITECT SHALL RELIEVE THE CONTRACTOR OF THIS RESPONSIBILITY.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW NOR INDICATE ANY OR ALL FASTENING OR FRAMING TECHNIQUES /DEVICES, NOR BE ABLE TO SHOW ALL CONDITIONS PRESENT.
- ALL WORK IS NEW UNLESS OTHERWISE NOTED.
- ALL WALLS AND CEILINGS TO BE 5/8in FIRE CODE OR 1/2in GYPSUM BOARD, 5/8in MOISTURE RESISTANT TYPE X OR 5/8in CEMENT BOARD. FINISH AND TEXTURE TO BE SELECTED BY OWNER. MATERIAL AS MANUFACTURED BY U.S. GYPSUM OR EQUAL FINISH (CEMENT ACCESSORIES AND TAPE OR SKIM COAT). ALL JOINTS AND NAIL HEADS READY FOR PAINT, TILE, WOOD TRIM, WVC, OR PANELING.
- STORAGE : THE CONTRACTOR SHALL PROVIDE ON SITE WEATHER PROTECTED STORAGE SPACE, I.E. TRAILER. STORAGE OF CONSTRUCTION MATERIALS IN THE EXISTING BUILDING WILL NOT BE PERMITTED.
- PROTECTION : THE CONTRACTOR SHALL PROTECT ALL PUBLIC AND ADJACENT AREAS FROM DAMAGE DURING CONSTRUCTION.
- TEMPORARY SERVICES : THE CONTRACTOR WILL PAY FOR EXISTING SERVICES (WATER, TELEPHONE AND ELECTRICITY) AND WILL TURN OVER THESE SERVICES TO THE OWNER UPON FINAL ACCEPTANCE OF THIS PROJECT.
- THE CONTRACTOR SHALL VERIFY LOCATION AND ACTUAL DEPTH OF ALL EXISTING SANITARY PIPING, STORM DRAINS, GAS AND WATER MAINS, ELECTRIC LINES AND PIPES. HE IS ALSO ADVISED TO VERIFY ACTUAL INVERTS OF SANITARY AND STORM LINES BY HAND DUG TEST PITS WELL IN ADVANCE OF TRENCHING AND CONSTRUCTION. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT. ALL NECESSARY PERMITS AND APPROVALS MUST BE OBTAINED FROM PROPER AUTHORITIES.
- ARCHITECTURAL, MECHANICAL, ELECTRICAL, ELEVATOR, & SPRINKLER - EACH CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
- ALL WORK IS NEW UNLESS OTHERWISE NOTED.
- DAMAGE : THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING BUILDING, WALLS, CEILINGS, FLOORS, FURNITURE AND FURNISHINGS. DAMAGED SURFACES DUE TO CONSTRUCTION TO BE PATCHED, REPAIRED AND/OR REPLACED AS REQUIRED AND BLEND TO MATCH EXISTING ADJACENT SURFACES AT NO ADDITIONAL COST TO OWNER.
- THE GENERAL CONTRACTOR SHALL PREPARE A BOOKLET CONTAINING : LIST OF SUBCONTRACTORS USED ON THIS JOB WITH NAMES, ADDRESSES AND TELEPHONE NUMBERS. ALL WARRANTIES AND INSTRUCTION MANUALS FOR EQUIPMENT AND MATERIALS INSTALLED WILL BE ISSUED TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF BUILDING, AND PRESENT BOOKLET TO OWNER PRIOR TO FINAL ACCEPTANCE OF OWNER.
- HANDICAPPED REQUIREMENTS : THE GENERAL CONTRACTOR WILL ACQUAINT HIMSELF WITH THE ARCHITECTURAL ACCESS BOARD (AAB) CODE FOR THE STATE OF MASSACHUSETTS AND THE ADA (AMERICANS WITH DISABILITIES ACT) TO ENSURE THAT THIS FACILITY WILL BE ACCESSIBLE.
- SPRINKLER HEAD LOCATION : REFER TO N.F.P.A. STANDARDS. SPRINKLER HEADS TO BE LOCATED PER CODE. SHOP DRAWINGS ARE REQUIRED TO BE SUBMITTED TO THE CONTRACTOR FOR APPROVAL PRIOR TO INSTALLATION.
- THE GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION AND SIZE OF OPENINGS FOR VENTS, PIPES, INSERTS, BOXES, HANGERS, ETC.
- ALL INTERIOR FINISHES AND FURNISHINGS FOR CEILINGS, WALL AND FLOORS SHALL BE CLASS 1in WITH A FLAME SPREAD RATING OF 0 TO 25.
- SUBMIT SAMPLES OF ALL PAINTS AND STAINS FOR APPROVAL PRIOR TO APPLICATION.
- BEFORE COMMENCING WORK, THE GENERAL CONTRACTOR WILL MEET WITH THE APPOINTED COMPANY REPRESENTATIVE TO OUTLINE PHASING OF CONSTRUCTION AND DISPOSITION OF EXISTING CONSTRUCTION MATERIALS AND/OR EQUIPMENT.
- ALL WOODS BLOCKING TO BE PRESSURE TREATED, FIRE RETARDANT.

PROJECT NAME
10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

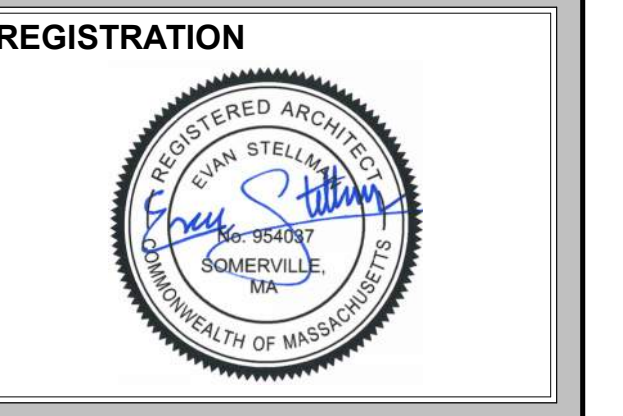
CLIENT



ARCHITECT
KHALSA DESIGN, INC.
17 IVALOO STREET SUITE 400
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 TELEPHONE: 617-591-8682

CONSULTANTS:

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| | |
|----------------|-------------|
| Project number | 24016 |
| Date | 04/28/2025 |
| Drawn by | Author |
| Checked by | Checker |
| Scale | 12" = 1'-0" |

| REVISIONS | | |
|-----------|-------------|------|
| No. | Description | Date |
| | | |
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GENERAL NOTES & ABBREVIATIONS

A-001

10-12 CORINTHIAN RESIDENCES

BUILDING CODE REVIEW INTERNATIONAL BUILDING CODE-2015 EDITION

PROJECT NAME
10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
**10-12 CORINTHIAN ROAD
SOMERVILLE, MA**

CLIENT

ARCHITECT

KDI
ARCHITECTURE

KHALSA DESIGN, INC.
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CONSULTANTS:

INTRODUCTION:
This report documents the code compliance review for the proposed new construction development at 10 Corinthian Road (the Building), located in Somerville, MA. The compliance review is limited to the fire protection, life safety and accessibility of the applicable codes.

PROJECT DESCRIPTION
The proposed development consists of two 3 story, 3 unit structures separated by a party wall. This code review is for 10 Corinthian Road, 12 Corinthian Road is a separate permit.

| NO | FLOOR | USE GROUP | CONSTRUCTION TYPE | ALLOWED | | | PROVIDED | | | REMARKS |
|-------|----------|-----------|-------------------|---------|---------|--------|----------|---------|--------|---------|
| | | | | AREA | STORIES | HEIGHT | AREA | STORIES | HEIGHT | |
| 0 | BASEMENT | "R2" | "VB" | 7,000 | 60 | 3 | 1006 | 60 | 3 | |
| 1 | FIRST | "R2" | "VB" | 7,000 | 60 | 3 | 1012 | 60 | 3 | |
| 2 | SECOND | "R2" | "VB" | 7,000 | 60 | 3 | 955 | 60 | 3 | |
| 3 | THIRD | "R2" | "VB" | 7,000 | 60 | 3 | 877 | 60 | 3 | |
| TOTAL | | | | 28,000 | 60 | 3 | 3849 | 39.33' | 3 | |

BUILDING "R2" RESIDENTIAL AREA = 3849 S.F. TOTAL BUILDING AREA = 3849 S.F.

NOTE: BUILDING IS FULLY FIRE SUPPRESSED

FIRE RESISTANCE OF STRUCTURAL ELEMENTS:

| STRUCTURAL ELEMENTS | TYPE OF CONSTRUCTION | FIRE RATING FILE # |
|---|-----------------------|--------------------|
| | | |
| 1. EXTERIOR FRAME: INCLUDING COLUMNS, GIRDERS, TRUSSES | OHR | N/A |
| 2. BEARING WALLS EXTERIOR INTERIOR | OHR OHR | N/A |
| 3. NONBEARING WALLS AND PARTITIONS: EXTERIOR INTERIOR | (table 602) SEE BELOW | SEE BELOW |
| 4. NONBEARING WALLS AND PARTITIONS: INTERIOR | OHR | N/A |
| 5. FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS | OHR | N/A |
| 6. ROOF CONSTRUCTION: INCLUDING SUPPORTING BEAMS AND JOISTS | OHR | N/A |

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS

| Fire Separation Distance = X (feet) | TYPE OF CONSTRUCTION | Occupancy R, S-2 | FIRE RATING FILE # |
|-------------------------------------|----------------------|------------------|--------------------|
| x < 5 (c) | VB | 1 | UL #U305 (7/A-910) |
| 5 ≤ x < 10 | VB | 1 | UL #U305 (7/A-910) |
| 10 ≤ x < 30 | VB | 0 | N/A |
| x ≥ 30 | VB | 0 | N/A |

Dwelling Unit Separations
Dwelling units must be separated from each other (horizontally and vertically) and the rest of the building by construction that provides at least a one half (1/2) hour FRR (780 CMR Sections 708.3 & 709.3). Corridors in Use Group R-2 are required to provide a 30 minute FRR per Table 1020.1.

708.4 CONTINUITY: FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTANCE RATED FLOOR/CEILING OF ROOF/CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERETO. IN COMBUSTIBLE CONSTRUCTION WHERE THE FIRE PARTITIONS ARE NOT REQUIRED TO BE CONTINUOUS TO THE SHEATHING, DECK OR SLAB, THE SPACE BETWEEN THE CEILING AND THE SHEATHING, DECK OR SLAB ABOVE SHALL BE FIREBLOCKED OR DRAFT STOPPED IN ACCORDANCE WITH SECTIONS 718.2 AND 718.3 AT THE PARTITION LINE. THE SUPPORTING CONSTRUCTION SHALL BE PROTECTED TO AFFORD THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL SUPPORTED, EXCEPT FOR WALLS SEPARATING TENANT SPACES IN COVERED AND OPEN MALL BUILDINGS, WALLS SEPARATING DWELLING UNITS, WALLS SEPARATING SLEEPING UNITS AND CORRIDOR WALLS, IN BUILDINGS OF TYPE IIB, IIBB, AND VB CONSTRUCTION.

Concealed Spaces
Fire-blocking and draft-stopping shall be installed in combustibile concealed locations in accordance with 780 CMR 717.0

1006.3.1 EACH STORY AND OCCUPIED ROOF SHALL HAVE THE MINIMUM NUMBER OF INDEPENDENT EXITS, OR ACCESS TO EXITS, AS SPECIFIED IN TABLE 1006.3.1. A SINGLE EXIT OR ACCESS TO A SINGLE EXIT SHALL BE PERMITTED IN ACCORDANCE WITH SECTION 1006.3.2. THE REQUIRED NUMBER OF EXITS, OR EXIT ACCESS STAIRWAYS OR RAMPS PROVIDING ACCESS TO EXITS, FROM ANY STORY OR OCCUPIED ROOF SHALL BE MAINTAINED UNTIL ARRIVAL AT THE EXIT DISCHARGE OR PUBLIC WAY.

TABLE 1006.3.2:

| STORY | OCCUPANCY | MAXIMUM OCCUPANTS (OR DWELLING UNITS) PER FLOOR/AND TRAVEL DISTANCE |
|-----------------------------|-----------|---|
| FIRST, SECOND & THIRD STORY | R-2 | 4 DWELLING UNITS AND 125 FEET TRAVEL DISTANCE |

EGRESS CALCULATIONS:

TABLE 1004.1.1: RESIDENTIAL 1/200 SF GROSS

| # | FLOOR/USE GROUP | AREA/200 | OCCUPANT/FLOOR | STAIR WIDTH | | |
|----------------|-----------------|----------|----------------|-----------------|-------------------|----------------|
| | | | | WIDTH IN INCHES | STAIRS 0.3/PERSON | WIDTH PROVIDED |
| 0 | BASEMENT/R2 | 1006/200 | 5 | | | |
| 1 | FIRST/R2 | 1012/200 | 5 | | | |
| 2 | SECOND/R2 | 955/200 | 5 | | | |
| 3 | THIRD/R2 | 877/200 | 4 | | | |
| TOTAL #0,1,2,3 | | | | 19 | | |

| # | DOOR | EGRESS CAPACITY | WIDTH IN INCH | WIDTH PROVIDED |
|-----------------------------------|----------|-----------------|---------------|----------------|
| | | | | |
| 1 | CORRIDOR | 3.8" | 32" | 36" |
| EXTERIOR EGRESS DOOR 3.8" 32" 36" | | | | |

706 FIRE WALLS
706.1 GENERAL: Each portion of a building separated by one or more fire walls shall comply with the provisions of this section shall be considered a separate building. The extent and location of such fire walls shall provide a complete separation, where a fire wall separates occupancies that are required to be separated by a fire barrier wall, the most restrictive requirements of each separation shall apply.

706.1.1 PARTY WALLS: Any wall located on a lot line between adjacent buildings, which is used or adapted for joint service between the two buildings shall be constructed as a fire wall in accordance with section 706. Party walls shall be constructed without openings and shall create separate buildings.

706.2 STRUCTURAL STABILITY: Fire walls shall be designed and constructed to allow collapse of the structure on either side without collapse of the wall under fire conditions. Fire walls designed and constructed in accordance with NFPA 221 shall be deemed to comply with this section.

706.3 MATERIALS: Fire walls shall be of any approved noncombustible materials. **EXCEPTION:** Buildings of Type V construction

TABLE 704: FIRE WALL FIRE RESISTANCE RATINGS

| GROUP | FIRE RESISTANCE RATING |
|-----------------------|------------------------|
| A,B,E,H-4,I,R-1,R-2,U | 3 HR (a) |

a. In Type II or V construction, walls shall be permitted to have a 2-hour fire resistance rating.

705 HORIZONTAL CONTINUITY: Fire walls shall be continuous from exterior wall to exterior wall and shall extend not less than 18 inches beyond the exterior surface of exterior walls. **EXCEPTIONS:** 1. N/A 2. N/A 3. Fire walls shall be permitted to terminate at the interior surface noncombustible exterior sheathing where the building on each side of the fire wall is protected by an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.1.2

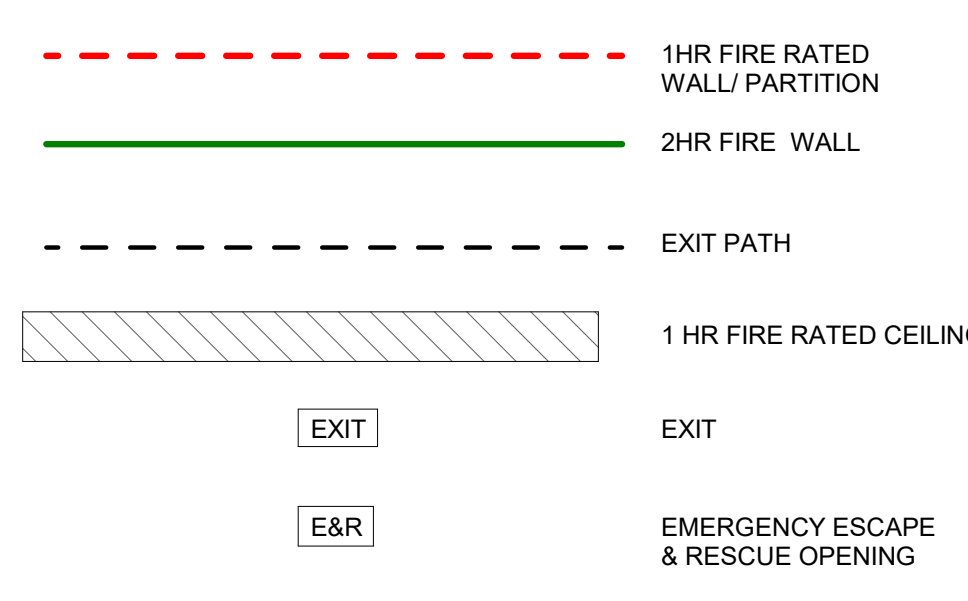
705.5.1 EXTERIOR WALLS: Where the fire wall intersects exterior walls, the fire resistance rating and opening protection of the exterior walls shall comply with one of the following:

- The exterior walls on both sides of the fire wall shall have a 1-hour fire-resistance rating with 3/4-hour protection where opening protection is required by Section 705.8. The fire-resistance rating of the exterior wall shall extend not less than 4 feet (1220 mm) on each side of the intersection of the fire wall to exterior wall. Exterior wall intersections at fire walls that form an angle equal to or greater than 180 degrees (3.14 rad) do not need exterior wall protection.
- Buildings or spaces on both sides of the intersecting fire wall shall assume to have an imaginary lot line at the fire wall and extending beyond the exterior of the fire wall. The location of the assumed line in relation to the exterior walls and the fire wall shall be such that the exterior wall and opening protection meet the requirements set forth in Sections 705.5 and 705.8. Such protection is not required for exterior walls terminating at fire walls that form an angle equal to or greater than 180 degrees (3.14 rad).

706.6 VERTICAL CONTINUITY: Fire walls shall extend from the foundation to a termination point not less than 30 inches (762 mm) above both adjacent roofs. **EXCEPTIONS:** 1. N/A 2. Two-hour fire-resistance-rated walls shall be permitted to terminate at the underside of the roof sheathing, deck or slab, provided:

- The lower roof assembly within 4 feet (1220 mm) of the wall has not less than a 1-hour fire-resistance rating and the entire length and span of supporting elements for the rated roof assembly has a fire-resistance rating of not less than 1 hour.
- 2.2 Openings in the roof shall not be located within 4 feet (1220 mm) of the fire wall.
- 2.3 Each building shall be provided with not less than a Class B roof covering.

FIRE PROTECTION LEGEND

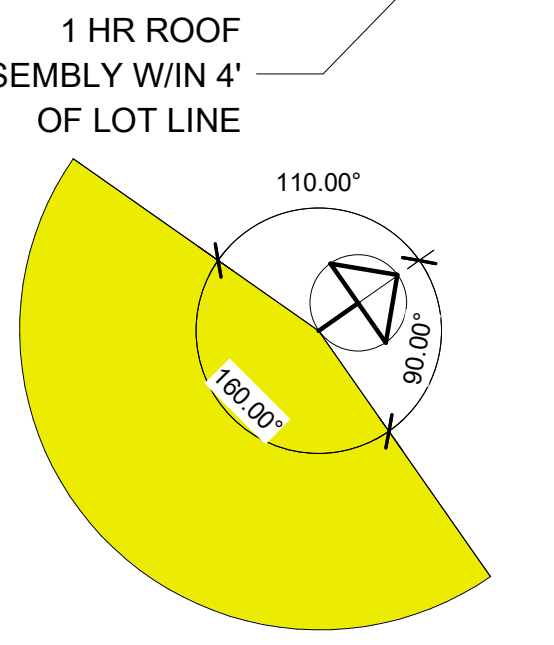


MA STRETCH ENERGY CODE APPENDIX RB-SOLAR-READY PROVISIONS - DETACHED ONE-AND TWO-FAMILY DWELLINGS, LOW-RISE RESIDENTIAL BUILDINGS AND TOWNHOUSES

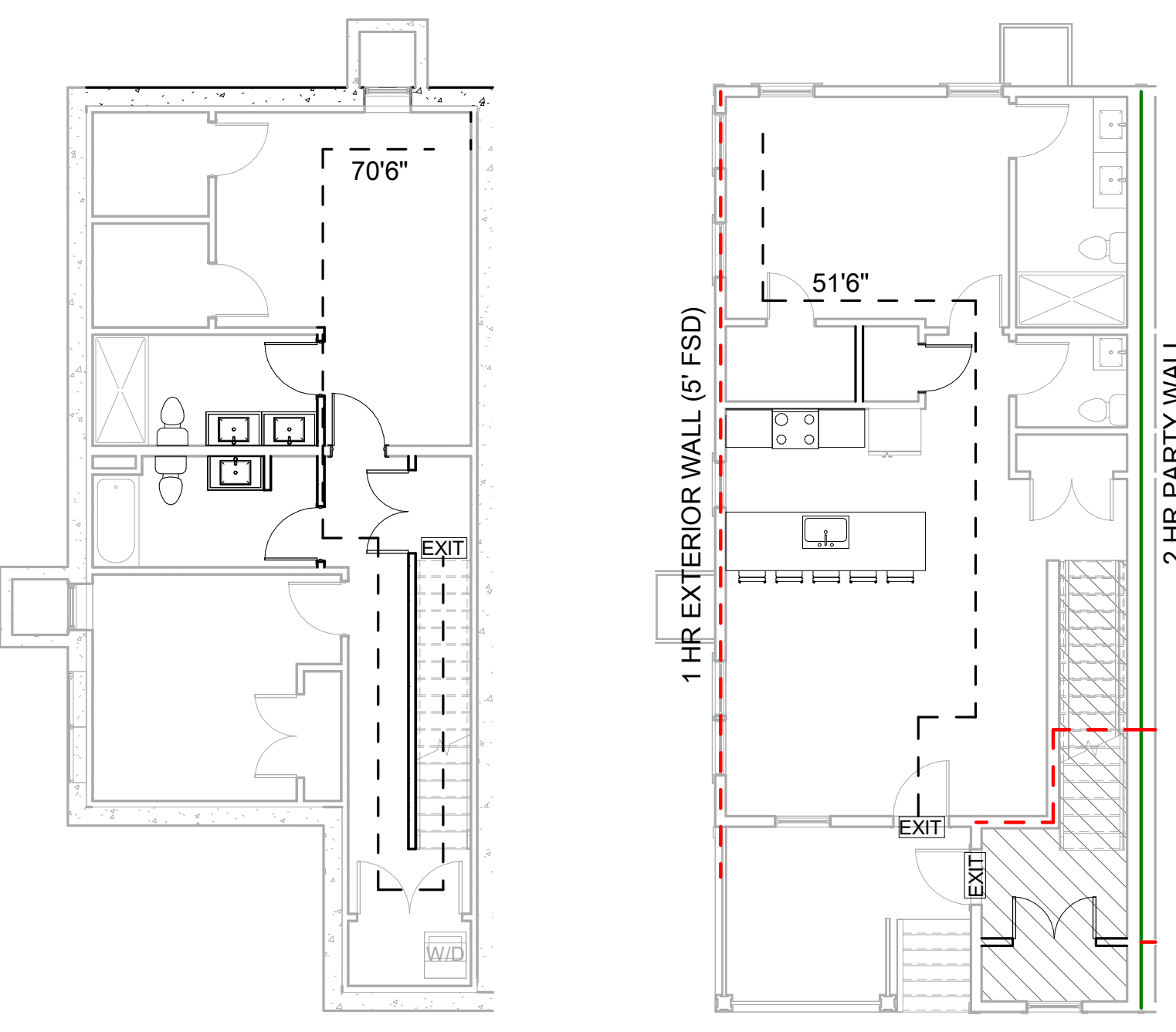
RB103.1 GENERAL: NEW R-USE BUILDINGS INCLUDING, BUT NOT LIMITED TO, DETACHED ONE-AND TWO-FAMILY DWELLINGS, AND TOWNHOUSES WITH NOT LESS THAN 600 SQUARE FEET (55.74 M2) OF ROOF AREA ORIENTED BETWEEN 110 DEGREES AND 270 DEGREES OF TRUE NORTH SHALL COMPLY WITH SECTIONS RB103.2 THROUGH RB203.8

RB103.2 CONSTRUCTION DOCUMENT REQUIREMENTS FOR SOLAR-READY ZONE CONSTRUCTION DOCUMENTS SHALL INDICATE THE SOLAR-READY ZONE

RB103.3 SOLAR-READY ZONE AREA: THE TOTAL SOLAR-READY ZONE AREA SHALL BE NOT LESS THAN 300 SQUARE FEET (27.87 M2) EXCLUSIVE OF MANDATORY ACCESS OR SETBACK AREAS AS REQUIRED BY THE MASSACHUSETTS FIRE CODE. NEW TOWNHOUSES THREE STORIES OR LESS IN HEIGHT ABOVE GRADE PLANE AND WITH A TOTAL FLOOR AREA LESS THAN OR EQUAL TO 2,000 SQUARE FEET (185.8 M2) PER DWELLING SHALL HAVE A SOLAR-READY ZONE AREA OF NOT LESS THAN 150 SQUARE FEET (13.94 M2). THE SOLAR-READY ZONE SHALL BE COMPOSED OF AREAS NOT LESS THAN 5 FEET (1524 MM) IN WIDTH AND NOT LESS THAN 80 SQUARE FEET (7.44 M2) EXCLUSIVE OF ACCESS OR SETBACK AREAS AS REQUIRED BY THE MASSACHUSETTS FIRE CODE



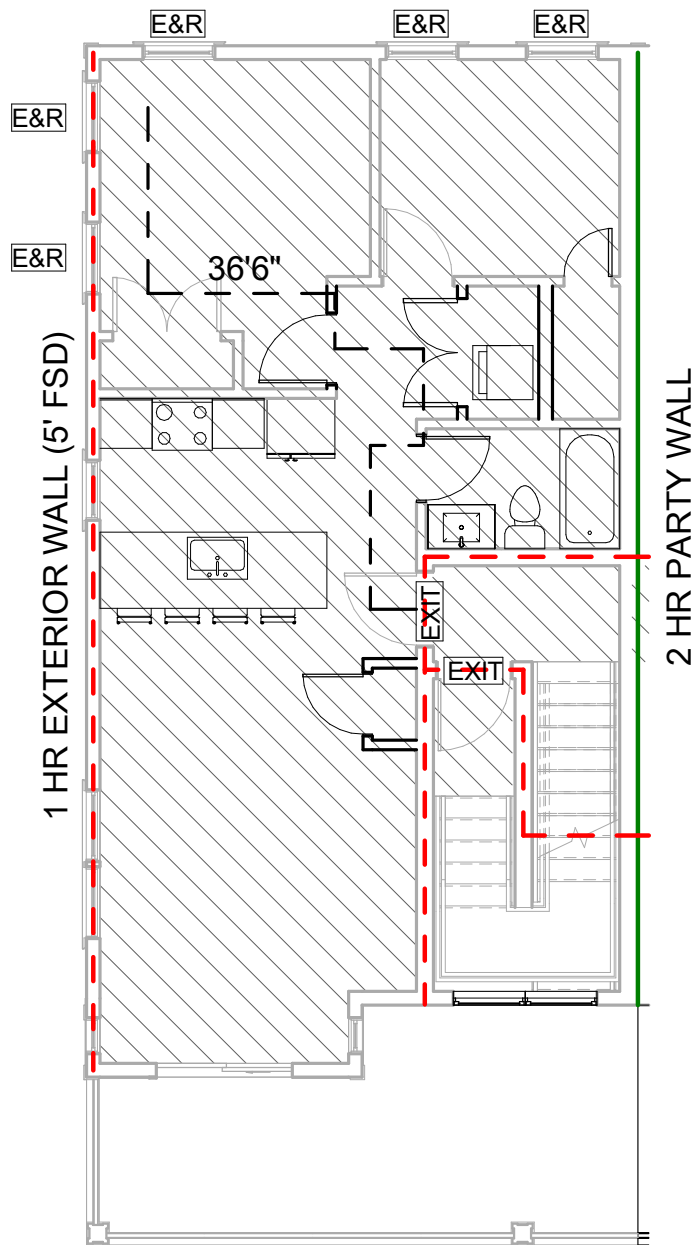
1 HR FLOOR/CEILING BETWEEN COMMON & U1 BASEMENT (MAINTAIN FIRE RATING @ U.S. OF STAIR)



2 CODE REVIEW - BASEMENT - 10
1/8" = 1'-0"

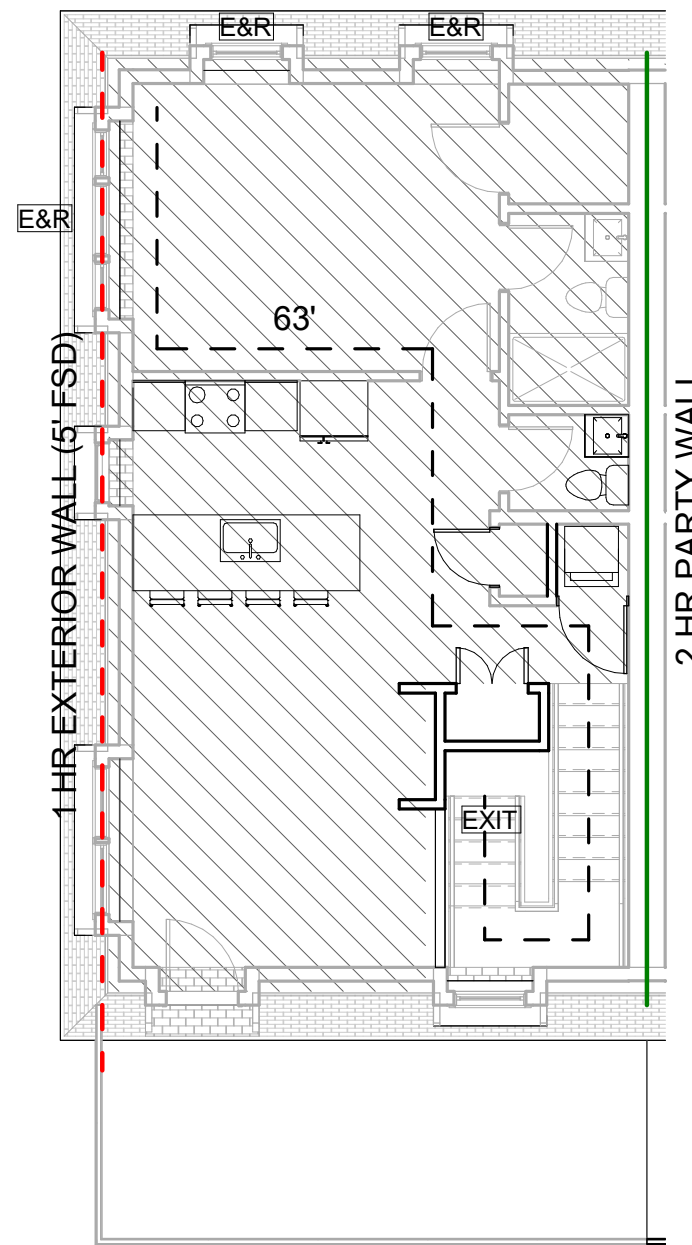
3 CODE REVIEW - 1ST FL - 10
1/8" = 1'-0"

1 HR FLOOR/CEILING BETWEEN U1 & U2; CONTINUE FIRE RATED ASSEMBLY BETWEEN COMMON & UNIT 1 & BETWEEN UNIT 3 & UNIT 1 (MAINTAIN RATING @ U.S. OF STAIR)



4 CODE REVIEW - 2ND FL - 10
1/8" = 1'-0"

1 HR FLOOR/CEILING BETWEEN U2 & U3; CONTINUE FIRE RATED ASSEMBLY BETWEEN COMMON & UNIT 1 & BETWEEN UNIT 3 & COMMON (MAINTAIN RATING @ U.S. OF STAIR)



5 CODE REVIEW - 3RD FL - 10
1/8" = 1'-0"

6 CODE REVIEW - ROOF - 10
1/8" = 1'-0"

2021 MA STRETCH ENERGY CODE TABLE R402.1.3

| CLIMATE ZONE | FENESTRATION U FACTOR | SKYLIGHT U FACTOR | GLAZED FENESTRATION SHGC | CEILING R VALUE | WOOD FRAMED WALL R VALUE | MASS WALL R-VALUE | FLOOR R-VALUE | BASEMENT WALL R-VALUE | SLAB R-VALUE & DEPTH | CRAWLSPACE WALL R-VALUE |
|----------------|-----------------------|-------------------|--------------------------|-----------------|----------------------------------|-------------------|---------------|-----------------------|----------------------|-------------------------|
| 5 AND MARINE 4 | 0.30 | 0.55 | 0.40 | 60 | 30 OR 20&SCI OR 13&10CIOR 0&20CI | 13/17 | 30 | 15CI OR 19 OR 13&5CI | 10CI, 4FT | 15CI OR 19 OR 13&5CI |

CODE REVIEW & EGRESS - 10 CORINTHIAN - LOT C

A-010C

10-12 CORINTHIAN RESIDENCES

ZONING DIMENSIONAL TABLE

| ZONE | ALLOWED / REQUIRED | PROPOSED (10 CORINTHIAN) | PROPOSED (12 CORINTHIAN) | COMPLIANCE |
|---|---------------------------|--------------------------|--------------------------|--------------------------|
| BUILDING TYPE | NR ZONE | SEMI DETACHED HOUSE | SEMI DETACHED HOUSE | COMPLIES |
| LOT SIZE | | 2,053 SF ± | 2,289 SF ± | |
| LOT DIMENSIONS | | | | |
| LOT WIDTH (MIN.) | | | | |
| NO DRIVEWAY ACCESS | 27 FT | 28 | | COMPLIES |
| FRONT DRIVEWAY ACCESS | 30 FT | | 32 | COMPLIES |
| LOT DEVELOPMENT | | | | |
| LOT COVERAGE (MAX.) | 60% | 57.5% SHOWN | 49.6% SHOWN | COMPLIES |
| GREEN SCORE | | | | |
| MINIMUM | 0.35 | | | REFER TO LANDSCAPE PLANS |
| IDEAL | 0.40 | | | |
| BUILDING SETBACKS | | | | |
| PRIMARY FRONT (MIN./ MAX.) | 10 FT / 20 FT | 10' | 10' | COMPLIES |
| SECONDARY FRONT (MIN./ MAX.) | 10 FT / 20 FT | | | |
| SIDE SETBACK (MIN.) | | | | |
| NO DRIVEWAY ACCESS | 5 FT SIDE / 0' PARTY WALL | 5' (LEFT) / 0 (RIGHT) | | COMPLIES |
| FRONT DRIVEWAY ACCESS | 8 FT SIDE / 0' PARTY WALL | | 0 (LEFT) / 10' (RIGHT) | COMPLIES |
| SUM OF SIDE SETBACK (MIN.) | | | | |
| NO DRIVEWAY ACCESS | 5 FT | 5' | | COMPLIES |
| FRONT DRIVEWAY ACCESS | 8 FT | | 10' | COMPLIES |
| REAR SETBACK (MIN.) | 20 FT | 22.5' | 21.2' | COMPLIES |
| BUILDING SEPERATION (MIN.) | 10 FT | N/A | >10' | COMPLIES |
| PARKING SETBACKS | | | | |
| PRIMARY FRONT SETBACK (MIN.) | 20 FT | 56.5' | 20' | COMPLIES |
| SECONDARY FRONT SETBACK (MIN.) | 10 FT | N/A | N/A | N/A |
| MAIN MASSING | | | | |
| FACADE BUILD OUT (MIN.) | 50% | 82% | 68.75% | COMPLIES |
| WIDTH (MIN./ MAX.) | 22 FT / 28 FT | 23' | 22' | COMPLIES |
| DEPTH (MIN./MAX.) | 28 FT / 48 FT | 40' | 40' | COMPLIES |
| GROUND STORY ELEVATION (MIN.) | 2 FT | 4.99' | 4.99' | COMPLIES |
| STORY HEIGHT (MIN. / MAX.) | 10 FT / 12 FT | 11' | 11' | COMPLIES |
| NUMBER OF STORIES (MAX.) | 2.5 STORIES | 2.5 STORIES | 2.5 STORIES | COMPLIES |
| ROOF TYPE | FLAT, GABLE, HIP, MANSARD | MANSARD | MANSARD | COMPLIES |
| FACADE COMPOSITION | | | | |
| GROUND STORY FENESTRATION (MIN. / MAX.) | 15% / 50% | DESIGN TO COMPLY | DESIGN TO COMPLY | COMPLIES |
| UPPER STORY FENESTRATION (MIN. / MAX.) | 15% / 50% | DESIGN TO COMPLY | DESIGN TO COMPLY | COMPLIES |
| USE & OCCUPANCY | | | | |
| OUTDOOR AMENITY SPACE (MIN.) | 1 / DU | 1 / DU | 1 / DU | COMPLIES |
| PARKING REQUIREMENTS (WITHIN A TRANSIT WALKSHED) | | | | |
| BICYCLE | | | | |
| SHORT-TERM | NONE | NONE | NONE | COMPLIES |
| LONG -TERM | NONE | NONE | NONE | COMPLIES |
| MOTOR VEHICLE | NONE | 2 SPACES | 2 SPACES | COMPLIES |

| SITE PLAN LEGEND | |
|------------------|-----------------------------|
| | BUILDING FOOTPRINT |
| | PORCHES |
| | AREAWAYS |
| | PERVIOUS SURFACES |
| | LANDSCAPE / PERVIOUS AREAS |
| | REQUIRED SETBACKS |
| | BUILDING SEPARATION SETBACK |
| | MAIN MASSING |

| 10 CORINTHIAN (LOT C) | 12 CORINTHIAN (LOT D) |
|---|---|
| 1012 SF | 968 SF |
| 138 SF | 36 SF |
| 31 SF | 132 SF |
| 0% RUNOFF COEFFICIENT | 0% RUNOFF COEFFICIENT |
| 1,181 / 2,053 SF LOT = 57.5% LOT COVERAGE | 1,136 / 2,289 SF LOT = 49.6% LOT COVERAGE |

NOTE:
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② SITE PLAN
1/8" = 1'-0"

PROJECT NAME
10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT

ARCHITECTURE

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REGISTRATION

| | |
|----------------|--------------|
| Project number | 24016 |
| Date | 04/28/2025 |
| Drawn by | Author |
| Checked by | Checker |
| Scale | As indicated |

REVISIONS

| No. | Description | Date |
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ARCHITECTURAL SITE PLAN

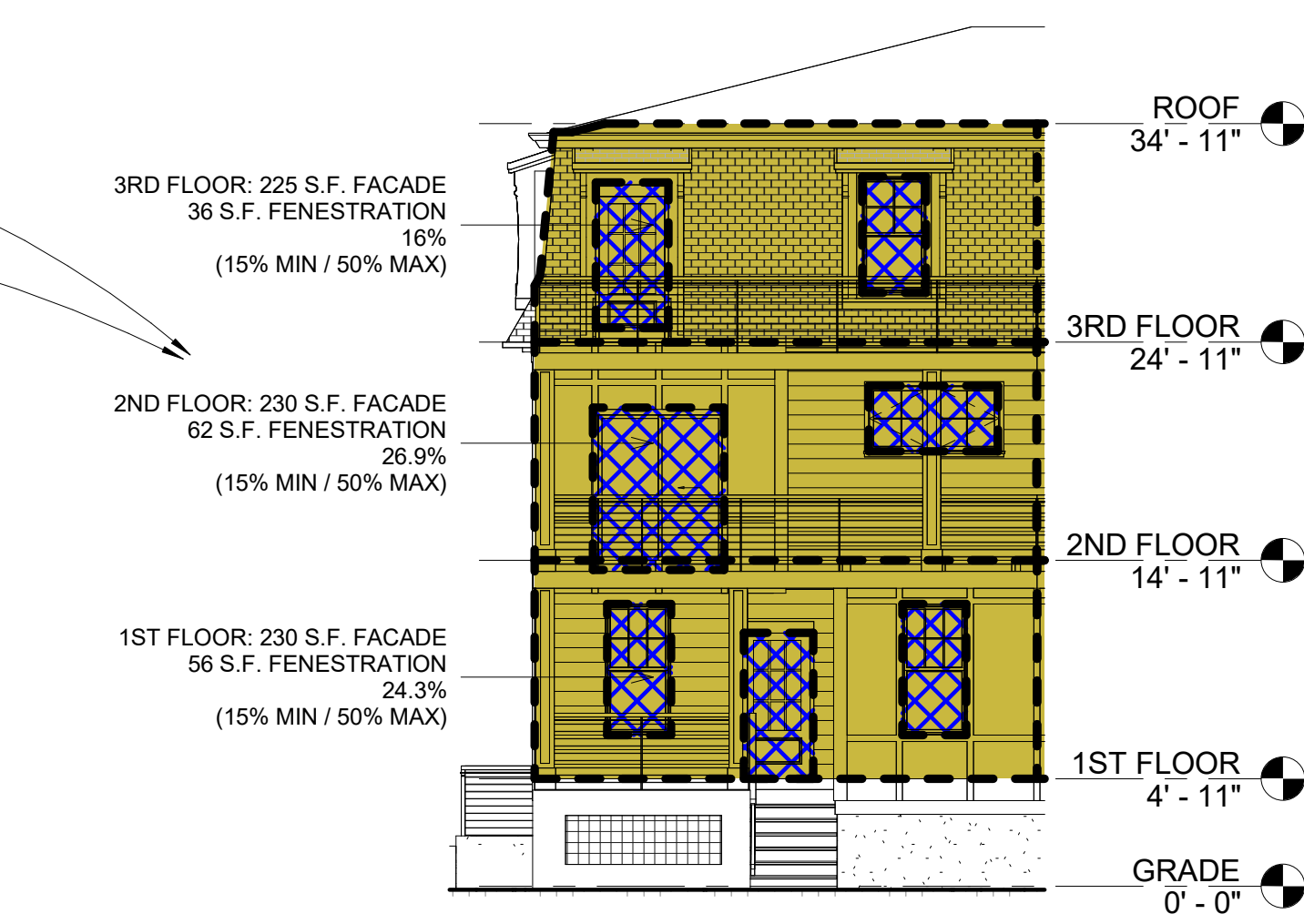
A-020
10-12 CORINTHIAN RESIDENCES

ZONING DIMENSIONAL TABLE

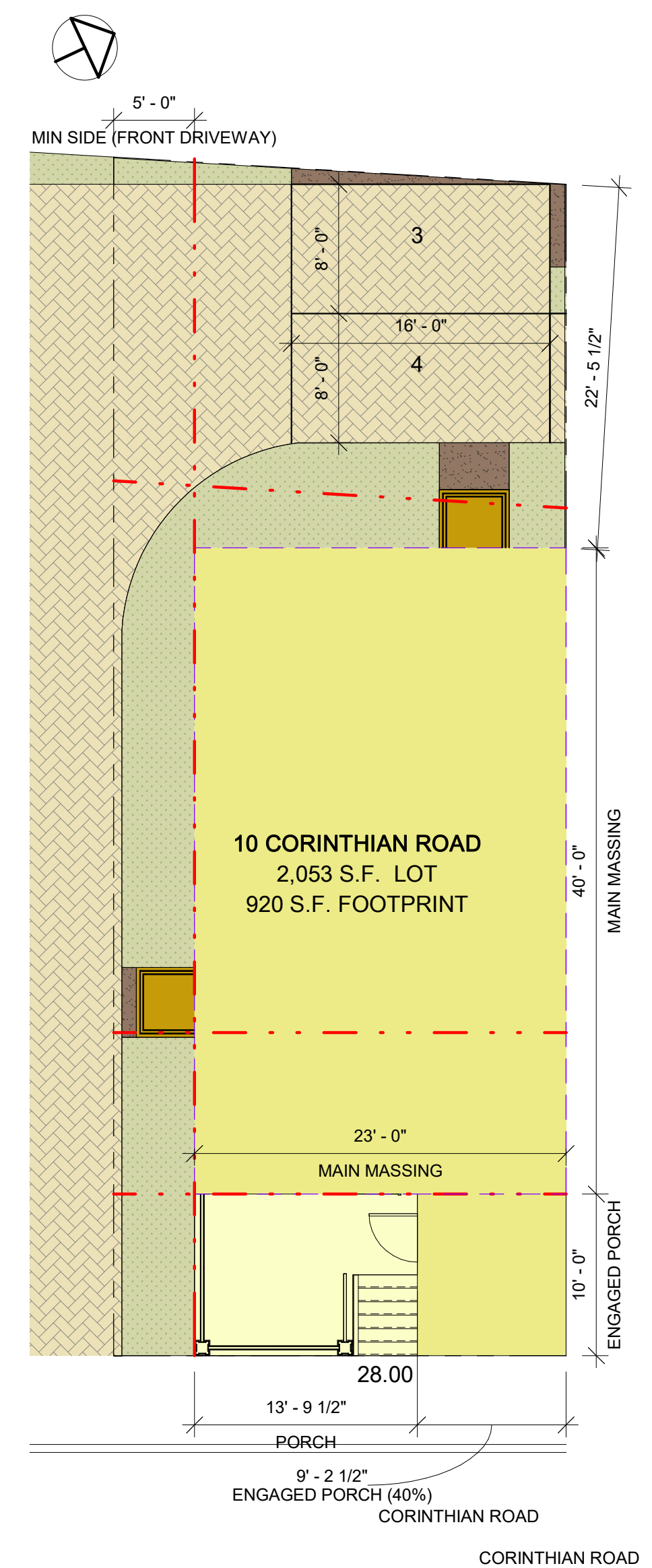
| ZONE | ALLOWED / REQUIRED | PROPOSED (10 CORINTHIAN) | COMPLIANCE |
|---|---------------------------|--------------------------|--------------------------|
| NR ZONE | | | |
| BUILDING TYPE | SEMI DETACHED HOUSE | SEMI DETACHED HOUSE | COMPLIES |
| LOT SIZE | | 2,053 SF ± | |
| LOT DIMENSIONS | | | |
| LOT WIDTH (MIN.) | | | |
| NO DRIVEWAY ACCESS | 27 FT | 28 | COMPLIES |
| FRONT DRIVEWAY ACCESS | 30 FT | | COMPLIES |
| LOT DEVELOPMENT | | | |
| LOT COVERAGE (MAX.) | 60% | 57.5% SHOWN | COMPLIES |
| GREEN SCORE | | | |
| MINIMUM | 0.35 | | REFER TO LANDSCAPE PLANS |
| IDEAL | 0.40 | | |
| BUILDING SETBACKS | | | |
| PRIMARY FRONT (MIN./ MAX.) | 10 FT / 20 FT | 10' | COMPLIES |
| SECONDARY FRONT (MIN./ MAX.) | 10 FT / 20 FT | | |
| SIDE SETBACK (MIN.) | | | |
| NO DRIVEWAY ACCESS | 5 FT SIDE / 0' PARTY WALL | 5' (LEFT) / 0 (RIGHT) | COMPLIES / COMPLIES |
| FRONT DRIVEWAY ACCESS | 8 FT SIDE / 0' PARTY WALL | | COMPLIES / COMPLIES |
| SUM OF SIDE SETBACK (MIN.) | | | |
| NO DRIVEWAY ACCESS | 5 FT | 5' | COMPLIES |
| FRONT DRIVEWAY ACCESS | 8 FT | | COMPLIES |
| REAR SETBACK (MIN.) | 20 FT | 22.5' | COMPLIES |
| BUILDING SEPERATION (MIN.) | 10 FT | N/A | COMPLIES |
| PARKING SETBACKS | | | |
| PRIMARY FRONT SETBACK (MIN.) | 20 FT | 56.5' | COMPLIES |
| SECONDARY FRONT SETBACK (MIN.) | 10 FT | N/A | N/A |
| MAIN MASSING | | | |
| FACADE BUILD OUT (MIN.) | 50% | 82% | COMPLIES |
| WIDTH (MIN./ MAX.) | 22 FT / 28 FT | 23' | COMPLIES |
| DEPTH (MIN./MAX.) | 28 FT / 48 FT | 40' | COMPLIES |
| GROUND STORY ELEVATION (MIN.) | 2 FT | 4.99' | COMPLIES |
| STORY HEIGHT (MIN. / MAX.) | 10 FT / 12 FT | 11' | COMPLIES |
| NUMBER OF STORIES (MAX.) | 2.5 STORIES | 2.5 STORIES | COMPLIES |
| ROOF TYPE | FLAT, GABLE, HIP, MANSARD | MANSARD | COMPLIES |
| FACADE COMPOSITION | | | |
| GROUND STORY FENESTRATION (MIN. / MAX.) | 15% / 50% | RE: FENESTRATION DIAGRAM | COMPLIES |
| UPPER STORY FENESTRATION (MIN. / MAX.) | 15% / 50% | RE: FENESTRATION DIAGRAM | COMPLIES |
| USE & OCCUPANCY | | | |
| OUTDOOR AMENITY SPACE (MIN.) | 1 / DU | 1 / DU | COMPLIES |
| PARKING REQUIREMENTS (WITHIN A TRANSIT WALKSHED) | | | |
| BICYCLE | | | |
| SHORT-TERM | NONE | NONE | COMPLIES |
| LONG-TERM | NONE | NONE | COMPLIES |
| MOTOR VEHICLE | NONE | 2 SPACES | COMPLIES |

| SITE PLAN LEGEND | |
|------------------|-----------------------------|
| | BUILDING FOOTPRINT |
| | PORCHES |
| | AREAWAYS |
| | PERVIOUS SURFACES |
| | LANDSCAPE / PERVIOUS AREAS |
| | REQUIRED SETBACKS |
| | BUILDING SEPERATION SETBACK |

| 10 CORINTHIAN (LOT C) | |
|---|--|
| 1012 SF | |
| 138 SF | |
| 31 SF | |
| 0% RUNOFF COEFFICIENT | |
| NOTE: | |
| THIS PLAN IS FOR INFORMATIONAL AND ILLUSTRATIVE PURPOSES ONLY. THE PREPARER OF THIS PLAN MAKES NO CLAIM TO ITS ACCURACY. THIS PLAN SHALL NOT BE USED OR RELIED UPON IN ANY CIRCUMSTANCE. A CERTIFIED LAND SURVEYOR SHALL PROVIDE AN OFFICIAL CERTIFIED PLOT PLAN. | |
| 1,181 / 2,053 SF LOT = 57.5% LOT COVERAGE | |



3 FENESTRATION CALCULATIONS - 10 CORINTHIAN
1/8" = 1'-0"



2 SITE PLAN - 10 CORINTHIAN - LOT C
1/8" = 1'-0"

PROJECT NAME
10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT

ARCHITECT
KHALSA DESIGN, INC.
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TELEPHONE: 617-591-8682

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| Project number | 24016 |
| Date | 04/28/2025 |
| Drawn by | Author |
| Checked by | Checker |
| Scale | As indicated |

| REVISIONS | | |
|-----------|-------------|------|
| No. | Description | Date |
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ARCHITECTURAL SITE PLAN - 10 CORINTHIAN - LOT C

A-020C

10-12 CORINTHIAN RESIDENCES

PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT



KHALSA DESIGN, INC.
17 IVALOO STREET SUITE 400
SOMERVILLE, MA 02143

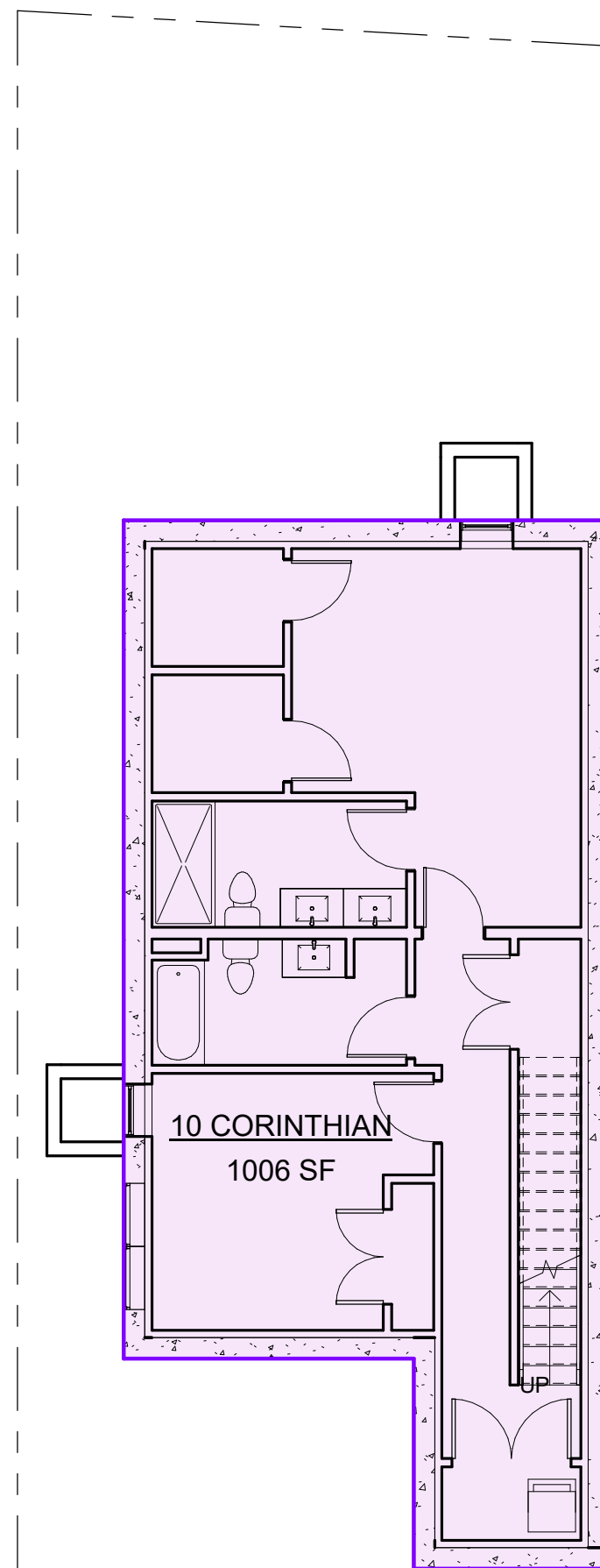
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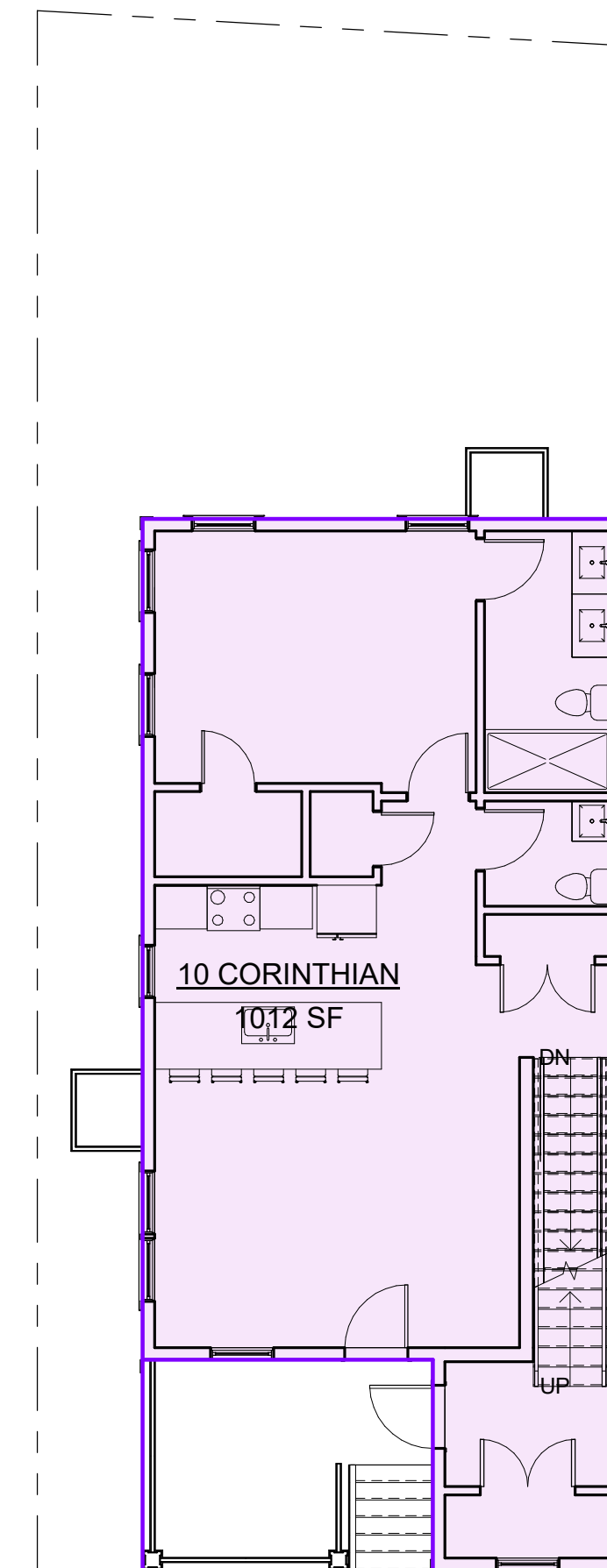
| GFA | | |
|------|------|-------|
| Area | Name | Level |

| | | |
|---------|---------------|-----------|
| 1006 SF | 10 CORINTHIAN | BASEMENT |
| 1012 SF | 10 CORINTHIAN | 1ST FLOOR |
| 955 SF | 10 CORINTHIAN | 2ND FLOOR |
| 877 SF | 10 CORINTHIAN | 3RD FLOOR |
| 3849 SF | | |

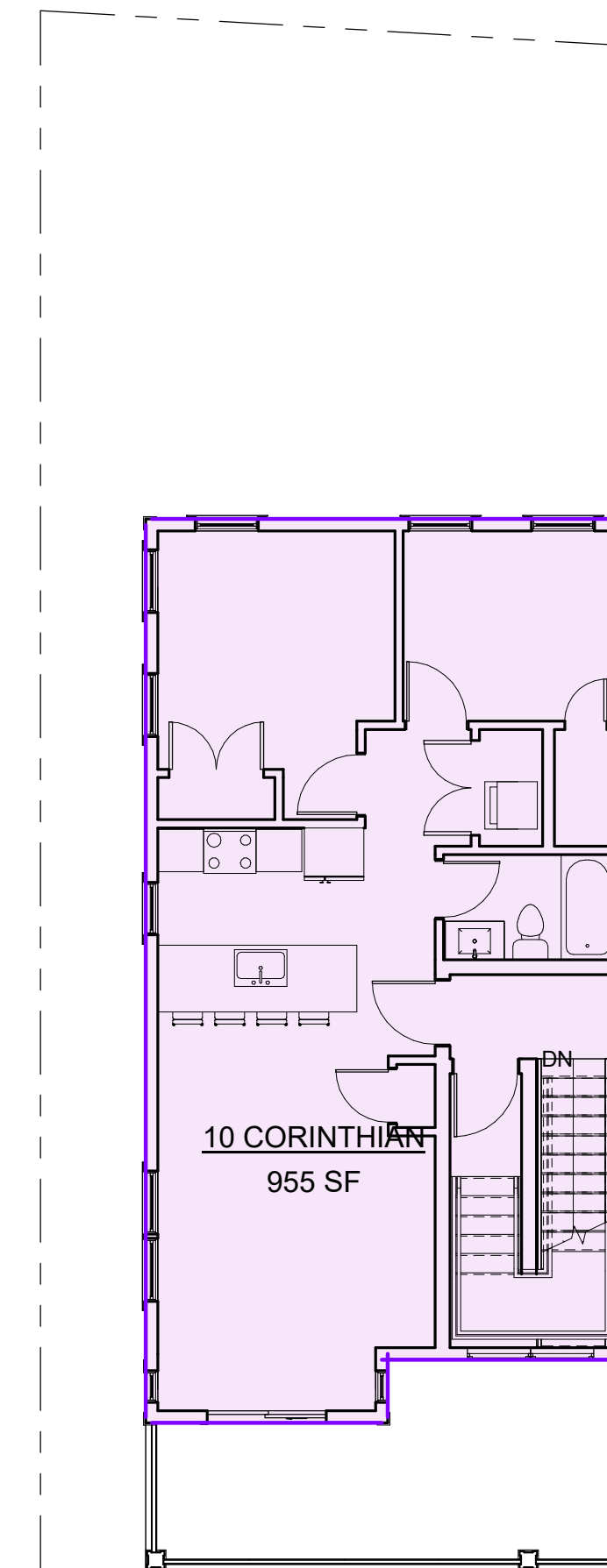
| | | |
|---------|---------------|-----------|
| 962 SF | 12 CORINTHIAN | BASEMENT |
| 968 SF | 12 CORINTHIAN | 1ST FLOOR |
| 913 SF | 12 CORINTHIAN | 2ND FLOOR |
| 837 SF | 12 CORINTHIAN | 3RD FLOOR |
| 3680 SF | | |
| 7530 SF | | |



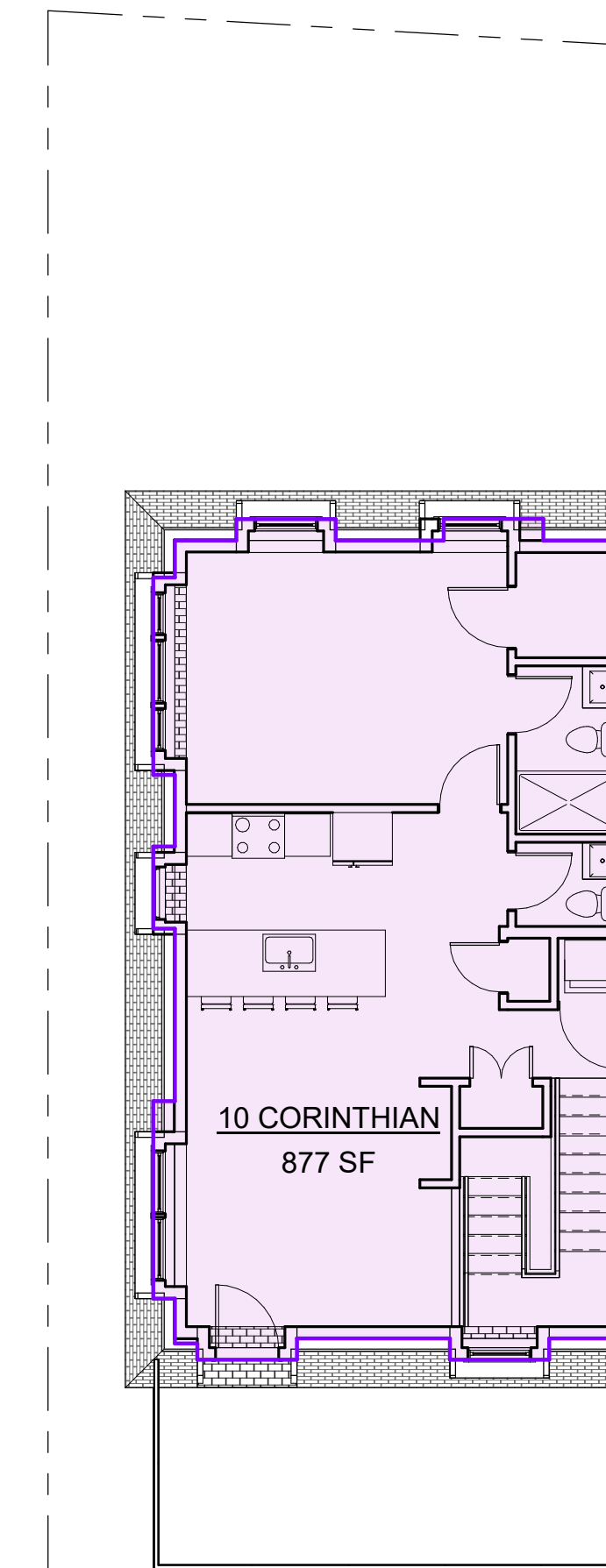
1 BASEMENT - 10 CORINTHIAN - LOT C
1/8" = 1'-0"



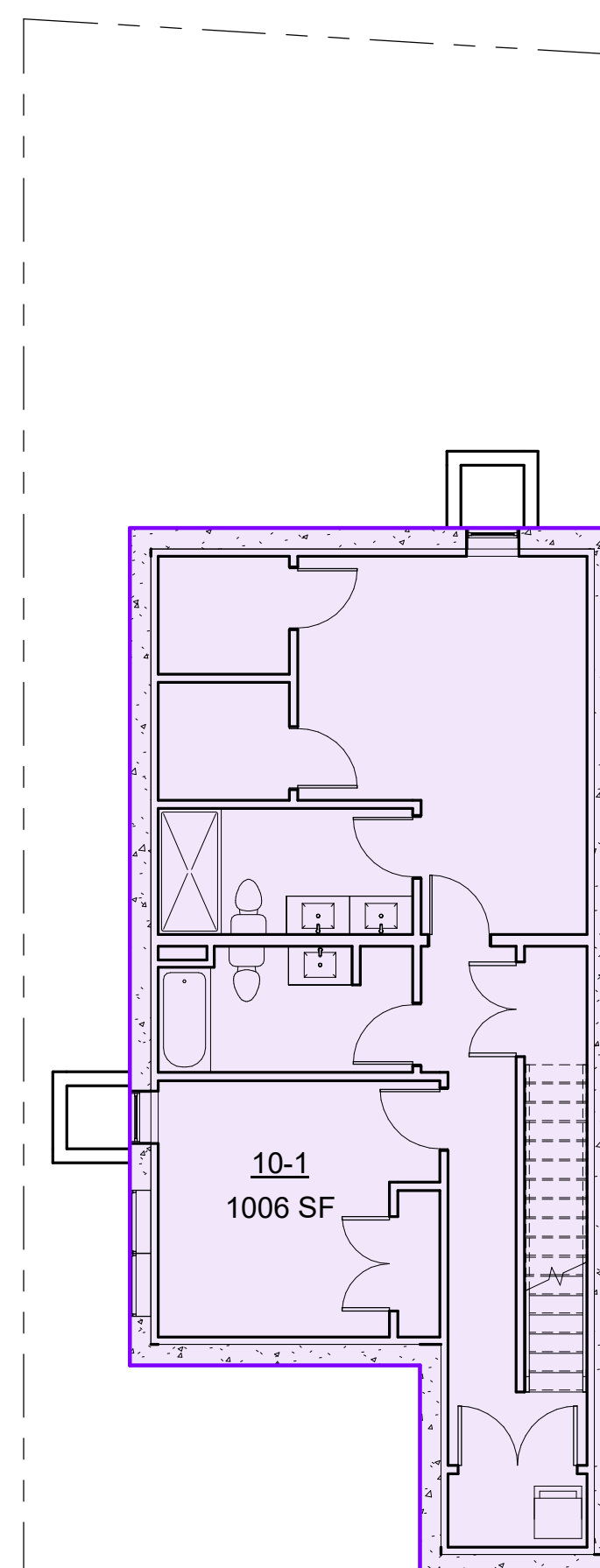
2 1ST FLOOR - 10 CORINTHIAN - LOT C
1/8" = 1'-0"



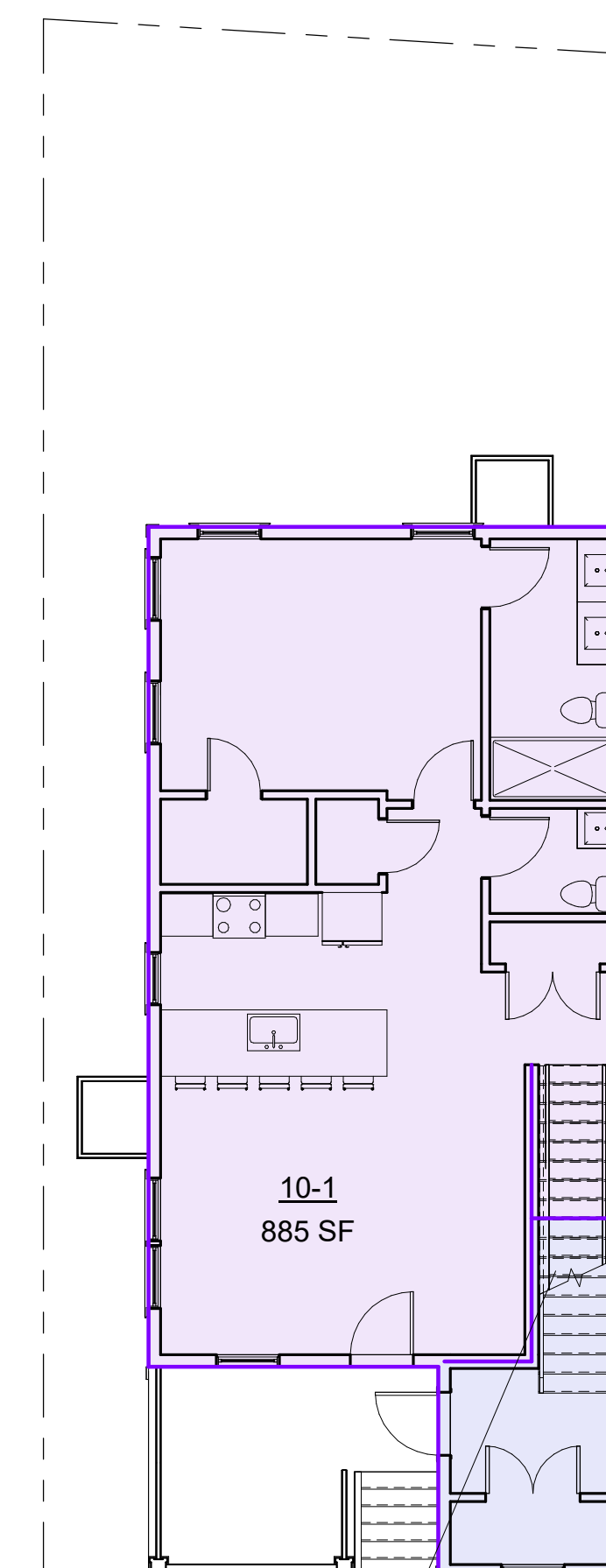
3 2ND FLOOR - 10 CORINTHIAN - LOT C
1/8" = 1'-0"



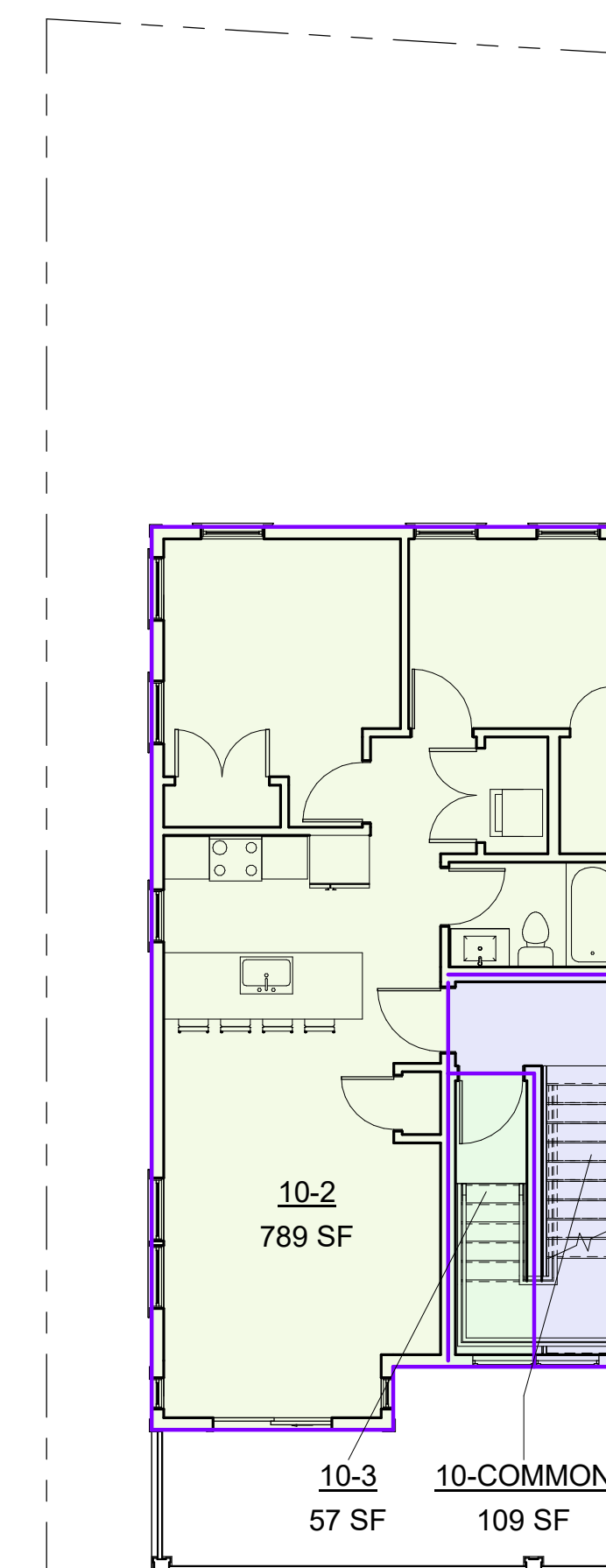
4 3RD FLOOR - 10 CORINTHIAN - LOT C
1/8" = 1'-0"



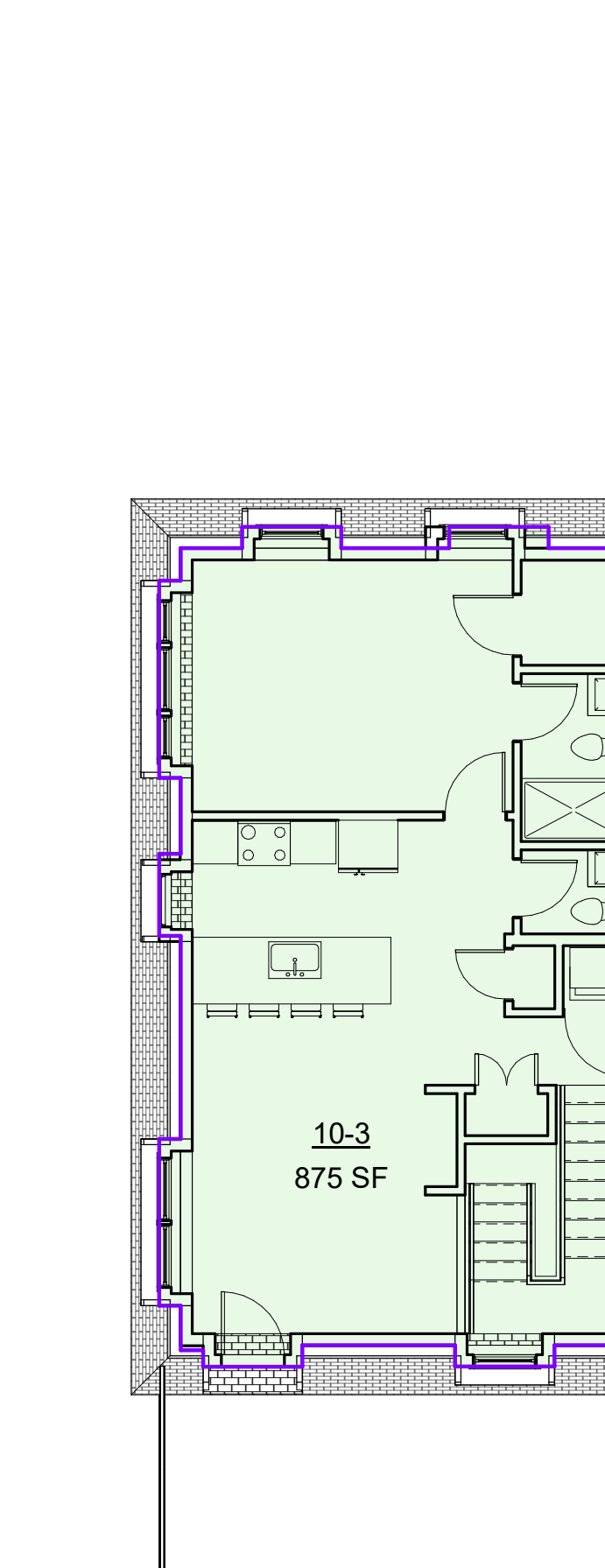
5 BASEMENT - 10 CORINTHIAN - LOT C
1/8" = 1'-0"



6 1ST FLOOR - 10 CORINTHIAN - LOT C
1/8" = 1'-0"



7 2ND FLOOR - 10 CORINTHIAN - LOT C
1/8" = 1'-0"



8 3RD FLOOR - 10 CORINTHIAN - LOT C
1/8" = 1'-0"

AREA SCHEDULE (10 CORINTHIAN LOT C)

| Name | Area | Level |
|------|------|-------|
|------|------|-------|

| | | |
|-----------|---------|-----------|
| 10-1 | | |
| 10-1 | 1006 SF | BASEMENT |
| 10-1 | 885 SF | 1ST FLOOR |
| 10-2 | | |
| 10-2 | 789 SF | 2ND FLOOR |
| 10-3 | | |
| 10-3 | 875 SF | 3RD FLOOR |
| 10-3 | 57 SF | 2ND FLOOR |
| 10-COMMON | | |
| 10-COMMON | 127 SF | 1ST FLOOR |
| 10-COMMON | 109 SF | 2ND FLOOR |
| 3848 SF | | |

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| Scale | 1/8" = 1'-0" |

REVISIONS

| No. | Description | Date |
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AREA PLANS - 10 CORINTHIAN - LOT C

A-021C

10-12 CORINTHIAN RESIDENCES

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LEGEND

- NEW WALL
- EXISTING TO REMAIN
- WALL TYPE
- CARBON MONOXIDE DETECTOR
- SMOKE DETECTOR

GENERAL FLOOR PLAN NOTES

1. ALL SMOKE ALARMS TO BE INTERCONNECTED AND HARD WIRED. SEE FLOOR PLANS FOR LOCATIONS.
2. FINAL KITCHEN LAYOUT TO BE DETERMINED BY OWNER.
3. ALL INTERIOR FINISHES TO BE DETERMINED BY OWNER.
4. UNLESS OTHERWISE NOTED ALL INTERIOR WALL SHALL BE TYPE "1"
5. UNLESS OTHERWISE NOTED ALL EXTERIOR NEW WALLS SHALL BE TYPE "5"
6. SEE A-910 FOR PARTITION TYPES.
7. MOISTURE RESISTANT GWB. TO BE USED IN ALL BATHROOMS AND KITCHENS
8. SEE EXTERIOR ELEVATIONS FOR WINDOW TYPES & CLADDING MATERIALS
9. ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB TO FACE GWB
10. ALL EXTERIOR DIMENSIONS ARE FROM EXTERIOR FACE OF STUD. TYP., U.O.O.
ZONING DIMENSIONS, MEASURED FROM EXTERIOR FACE OF FINISH, ARE SHOWN IN RED
11. ELECTRICAL OUTLETS ON OPPOSITE SIDE OF WALL SHOULD BE INSTALLED AT LEAST 2'-0" FROM EACH OTHER.
12. CONTRACTOR TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO DEMOLITION & CONSTRUCTION.
13. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION & CIVIL PLAN FOR ADDITIONAL INFORMATION
14. UNLESS OTHERWISE NOTED CENTER CLOSET DOOR ON CLOSET.

PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT



KHALSA DESIGN, INC.
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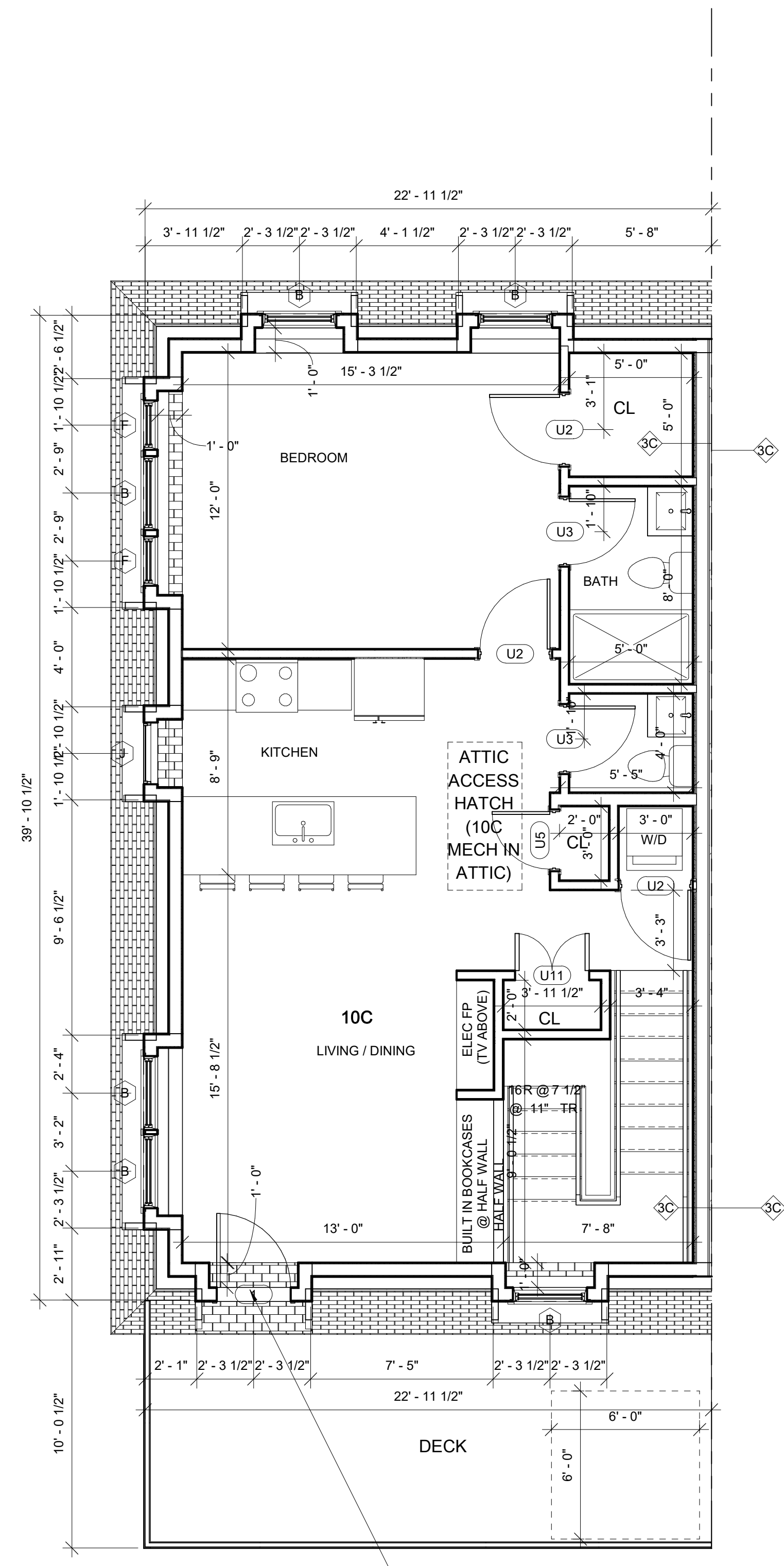
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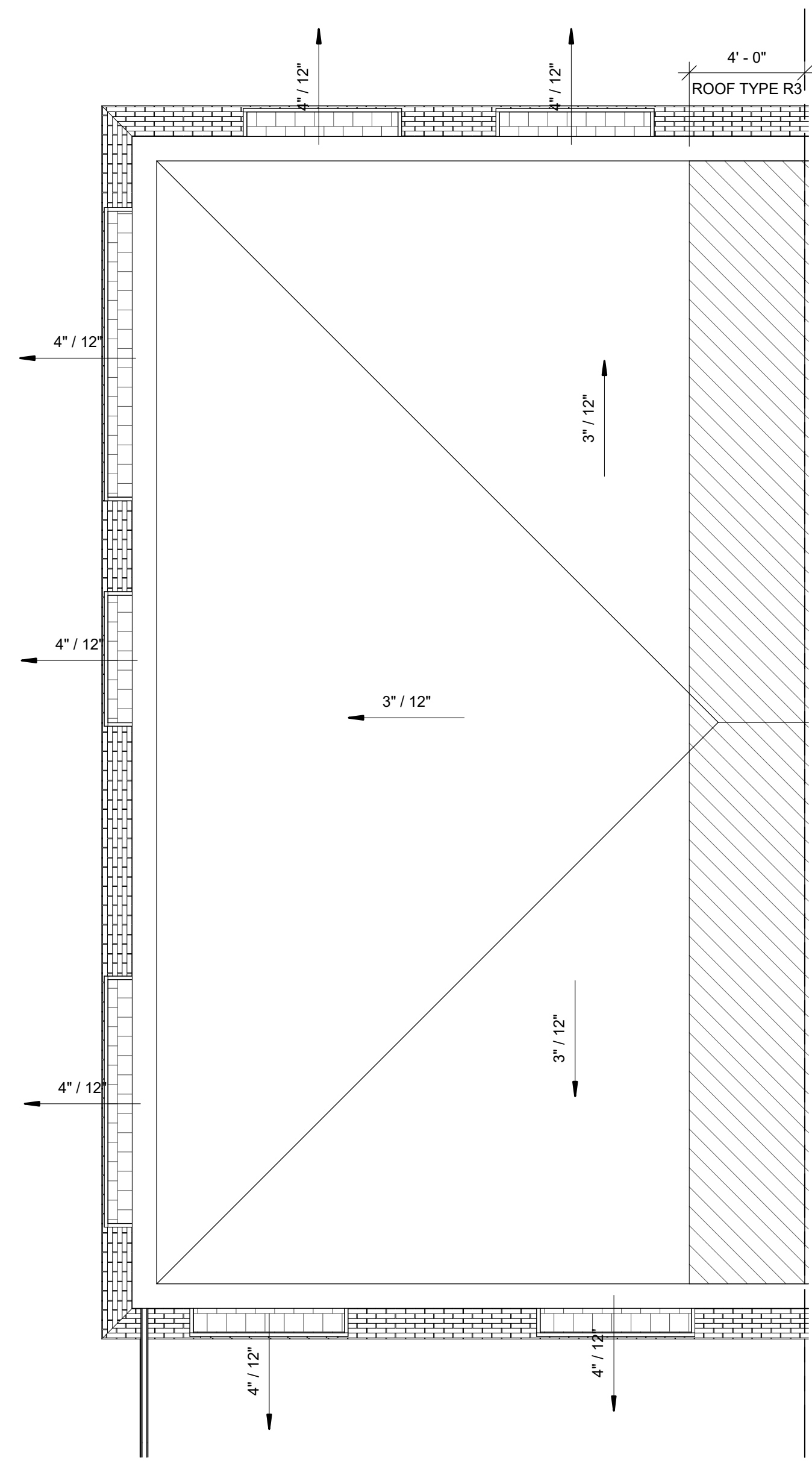
3RD FLOOR & ROOF PLAN - 10 CORINTHIAN - LOT C

A-101C

10-12 CORINTHIAN RESIDENCES



1 3RD FLOOR - 10 CORINTHIAN - LOT C
1/4" = 1'-0"



2 ROOF - 10 CORINTHIAN - LOT C
1/4" = 1'-0"

PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT



ARCHITECTURE

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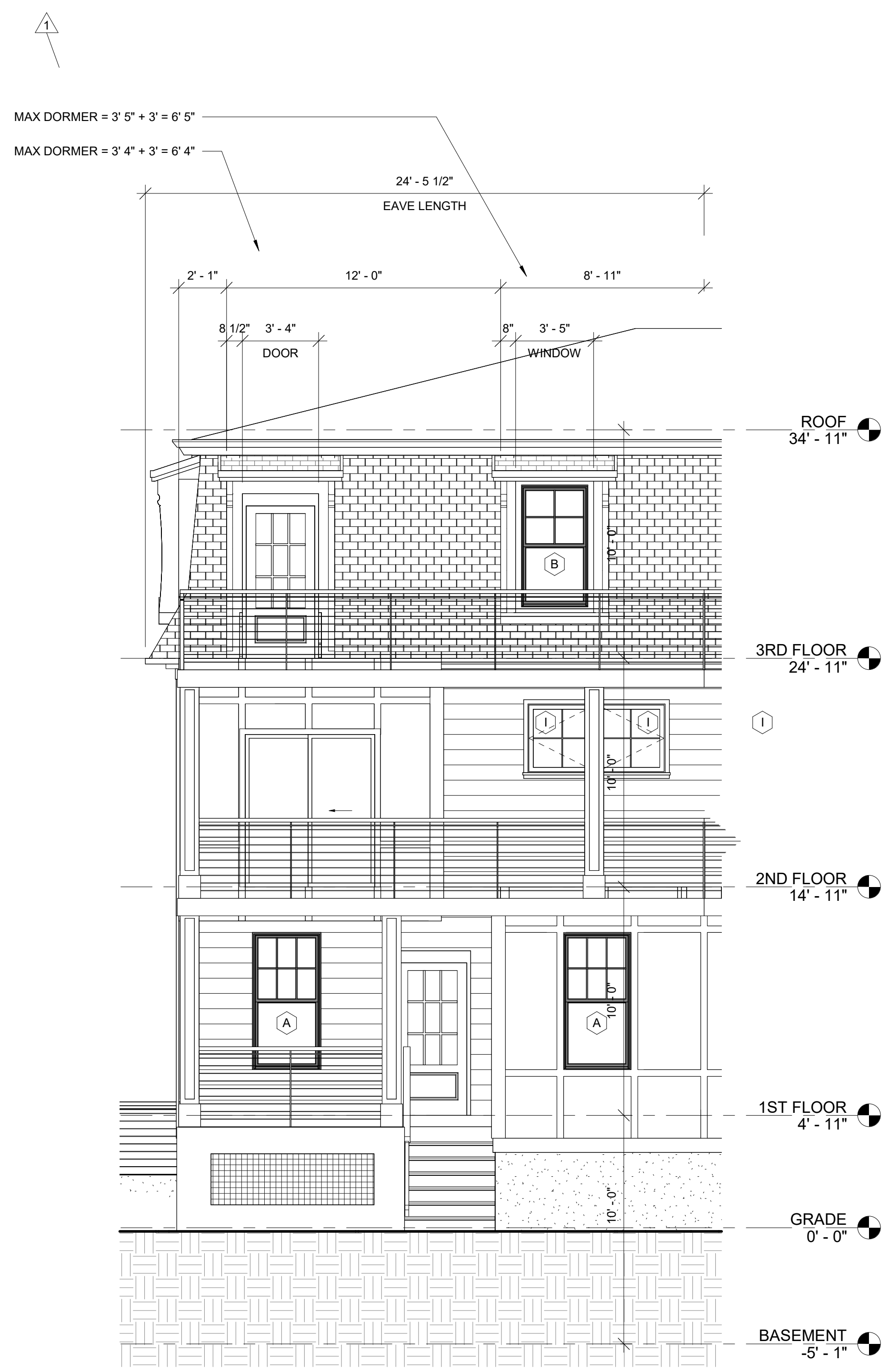
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FRONT & REAR ELEVATIONS - 10 CORINTHIAN - LOT C

A-300C

10-12 CORINTHIAN RESIDENCES



FRONT ELEVATION - 10 CORINTHIAN - LOT C
① 1/4" = 1'-0"



REAR ELEVATION - 10 CORINTHIAN - LOT C
③ 1/4" = 1'-0"

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PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT



ARCHITECTURE

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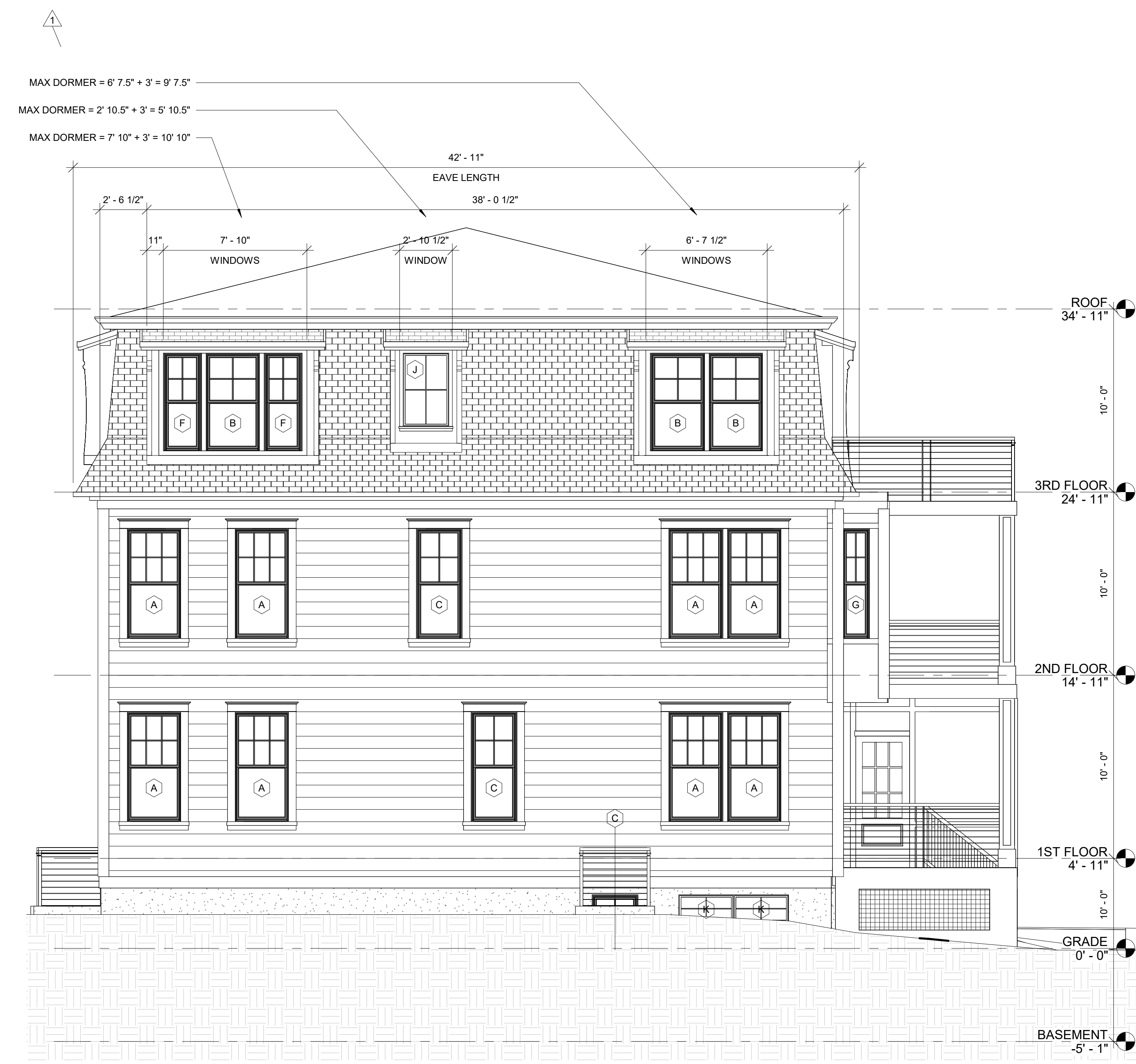
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**LEFT ELEVATION
- 10 CORINTHIAN
- LOT C**

A-301C

10-12 CORINTHIAN RESIDENCES



LEFT ELEVATION - 10 CORINTHIAN - LOT C
1/4" = 1'-0"

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PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
**10-12 CORINTHIAN ROAD
SOMERVILLE, MA**

CLIENT

ARCHITECT



ARCHITECTURE

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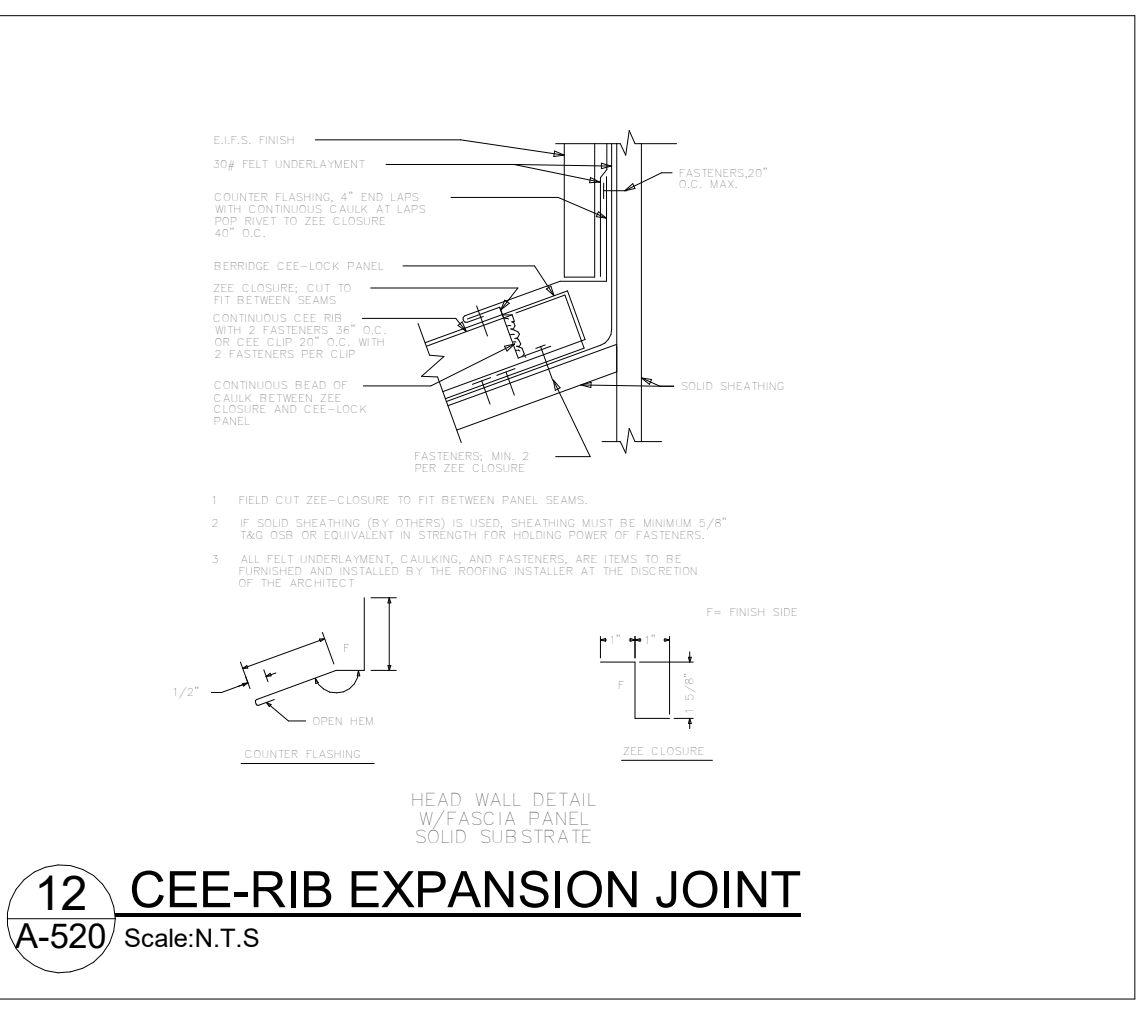
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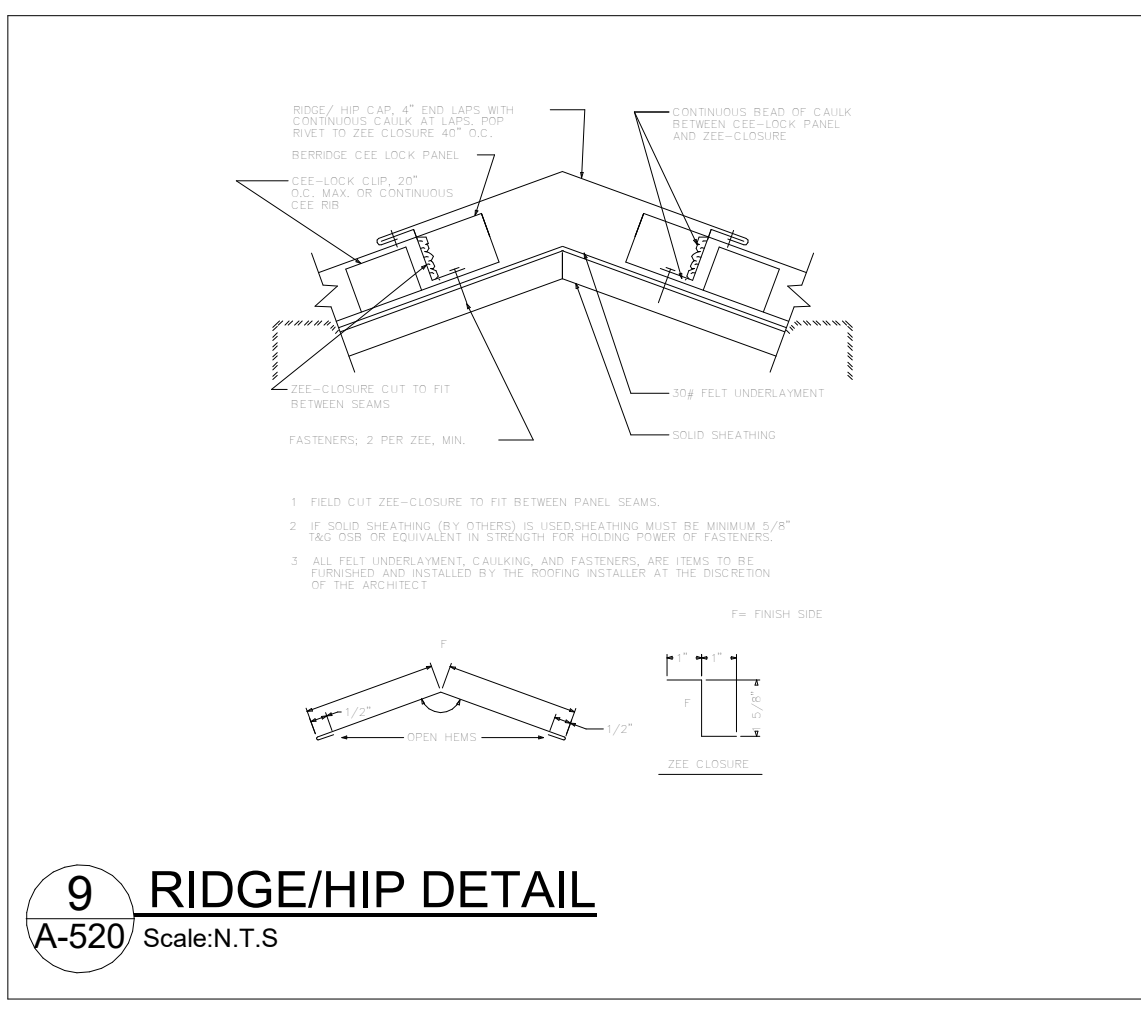
TYPICAL SLOPED ROOF DETAILS

A-520

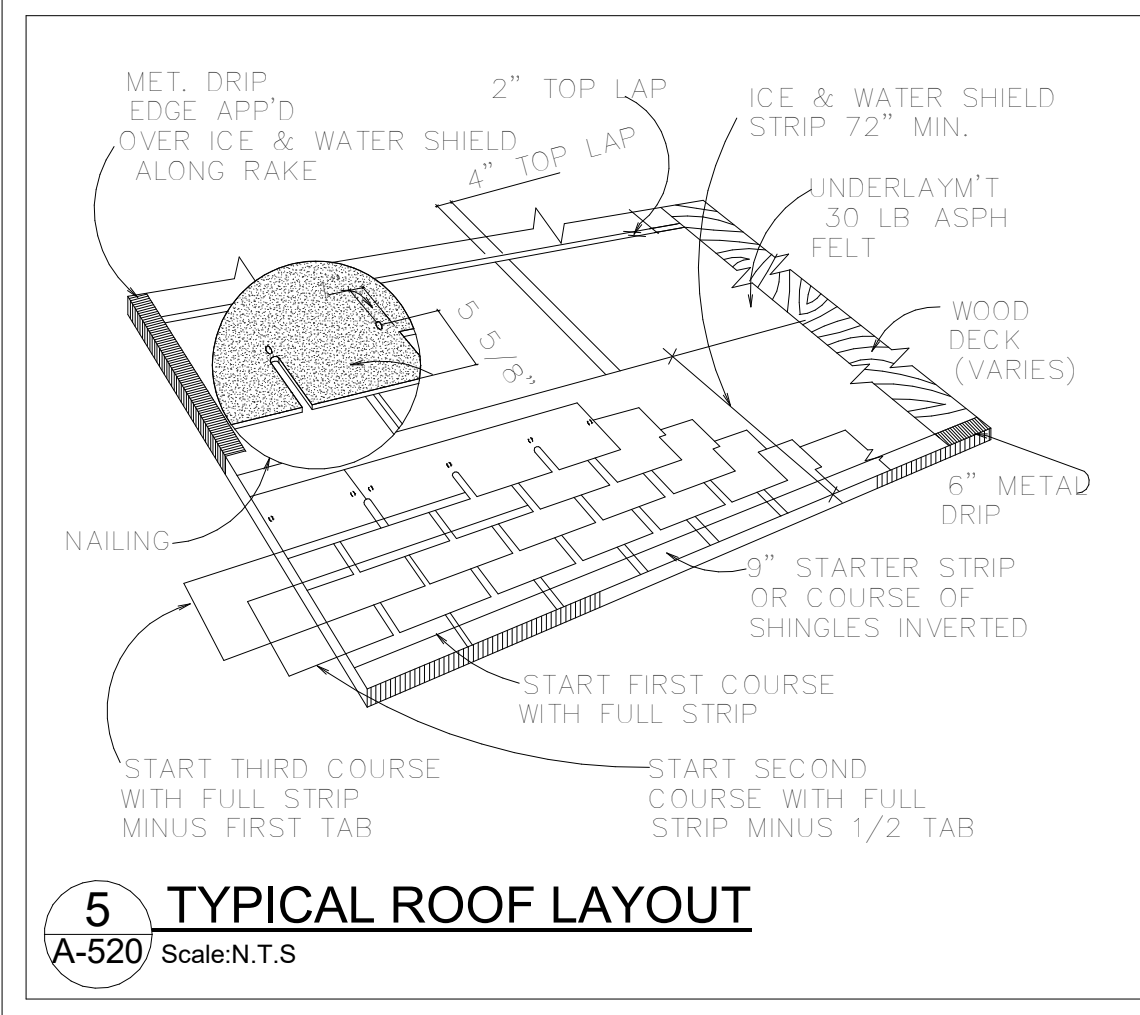
10-12 CORINTHIAN RESIDENCES



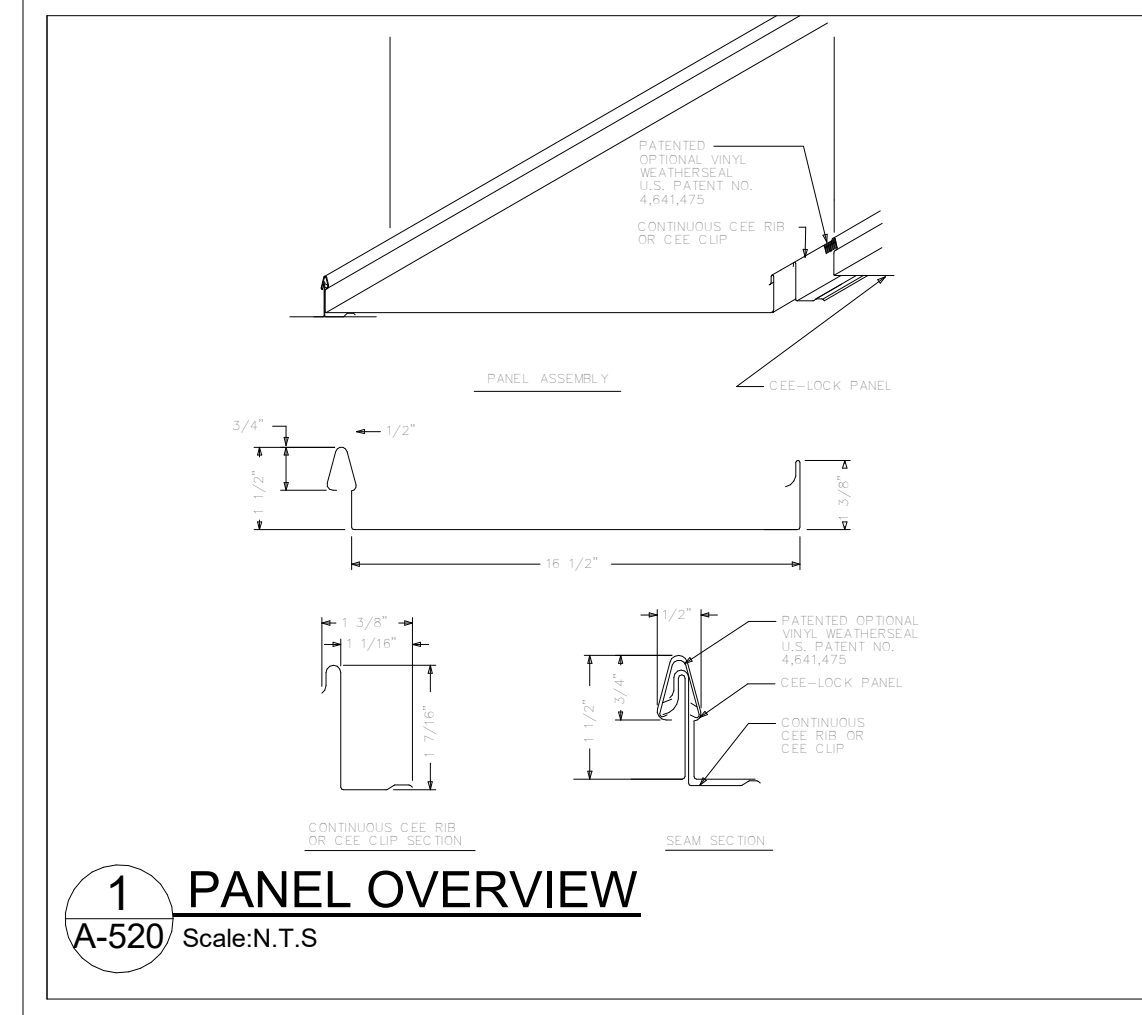
12 CEE-RIB EXPANSION JOINT
A-520 Scale:N.T.S



9 RIDGE/HIP DETAIL
A-520 Scale:N.T.S



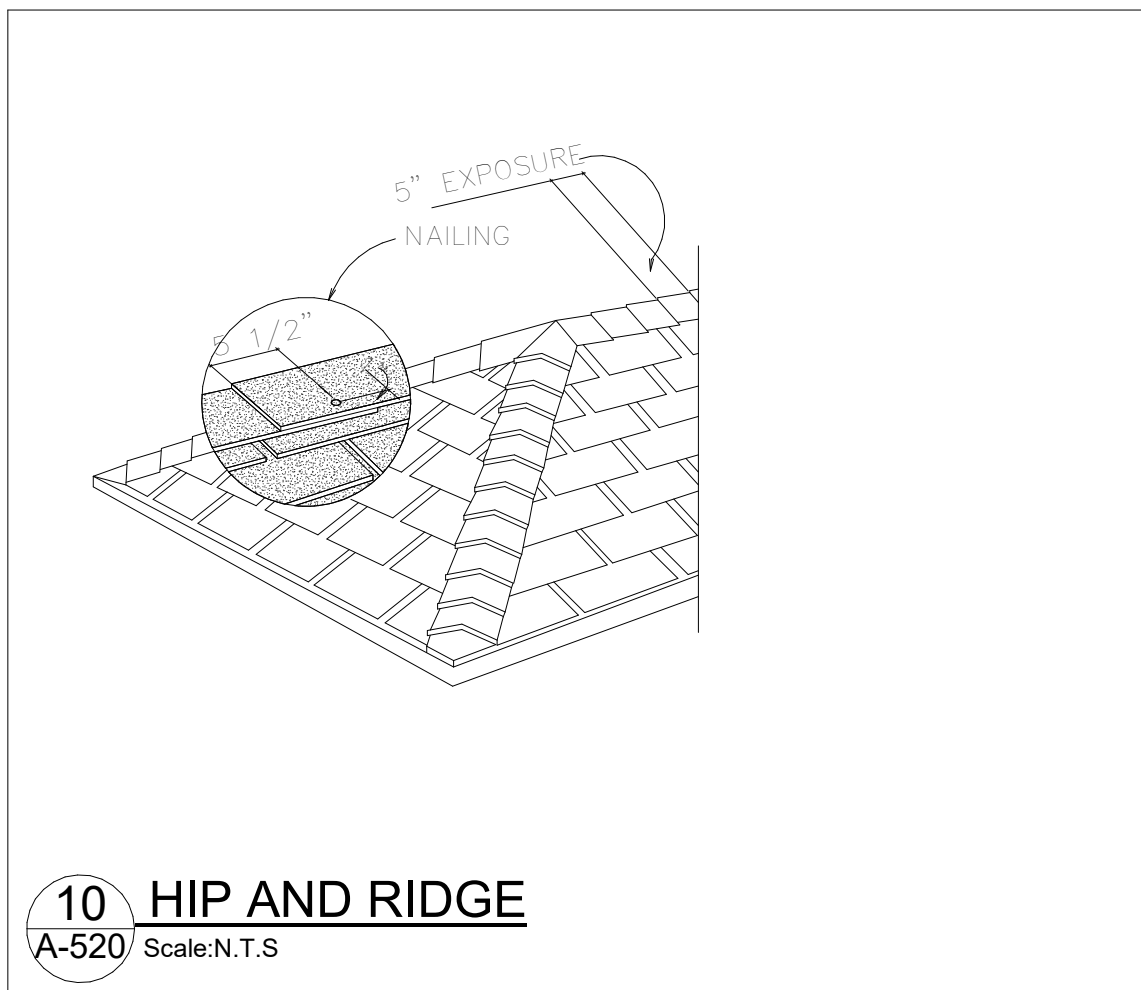
5 TYPICAL ROOF LAYOUT
A-520 Scale:N.T.S



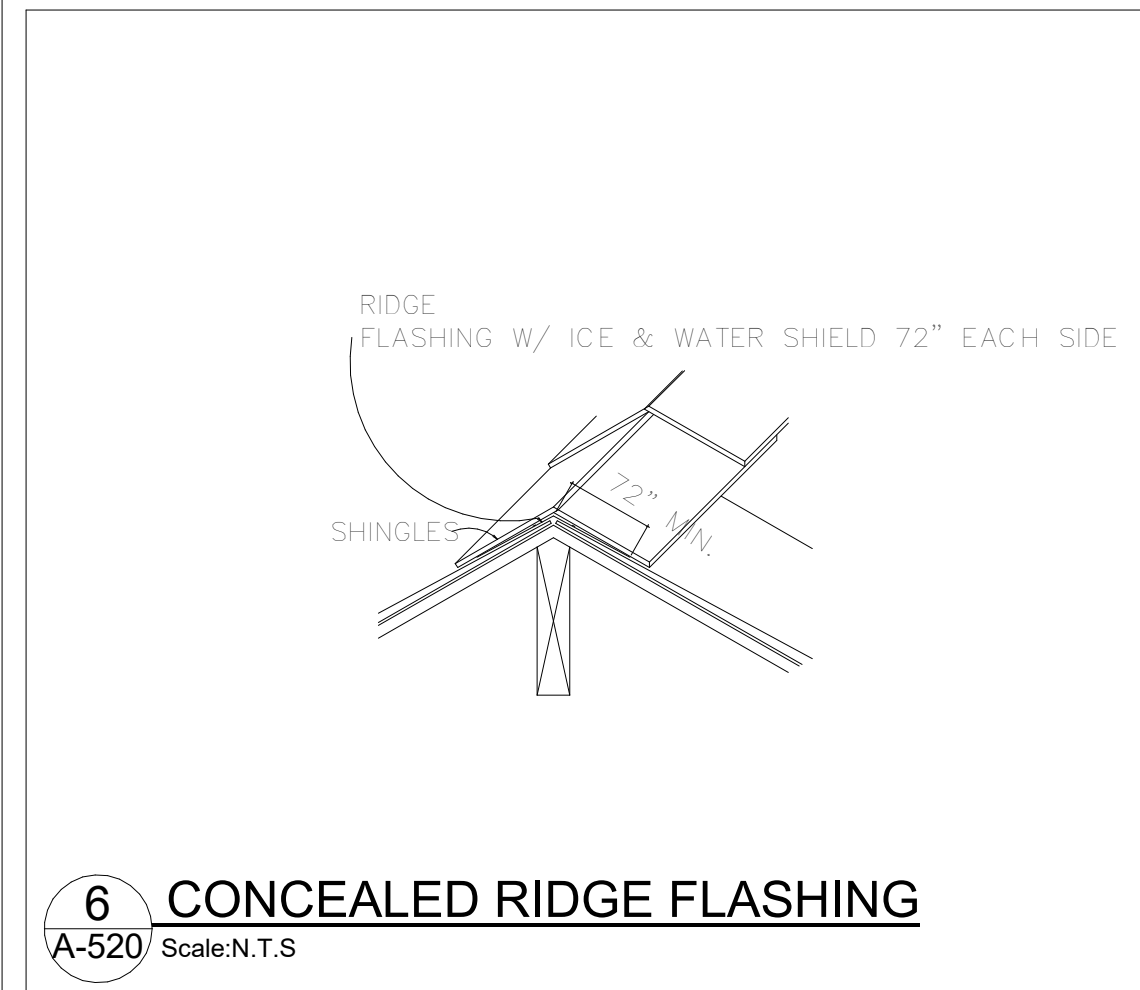
1 PANEL OVERVIEW
A-520 Scale:N.T.S



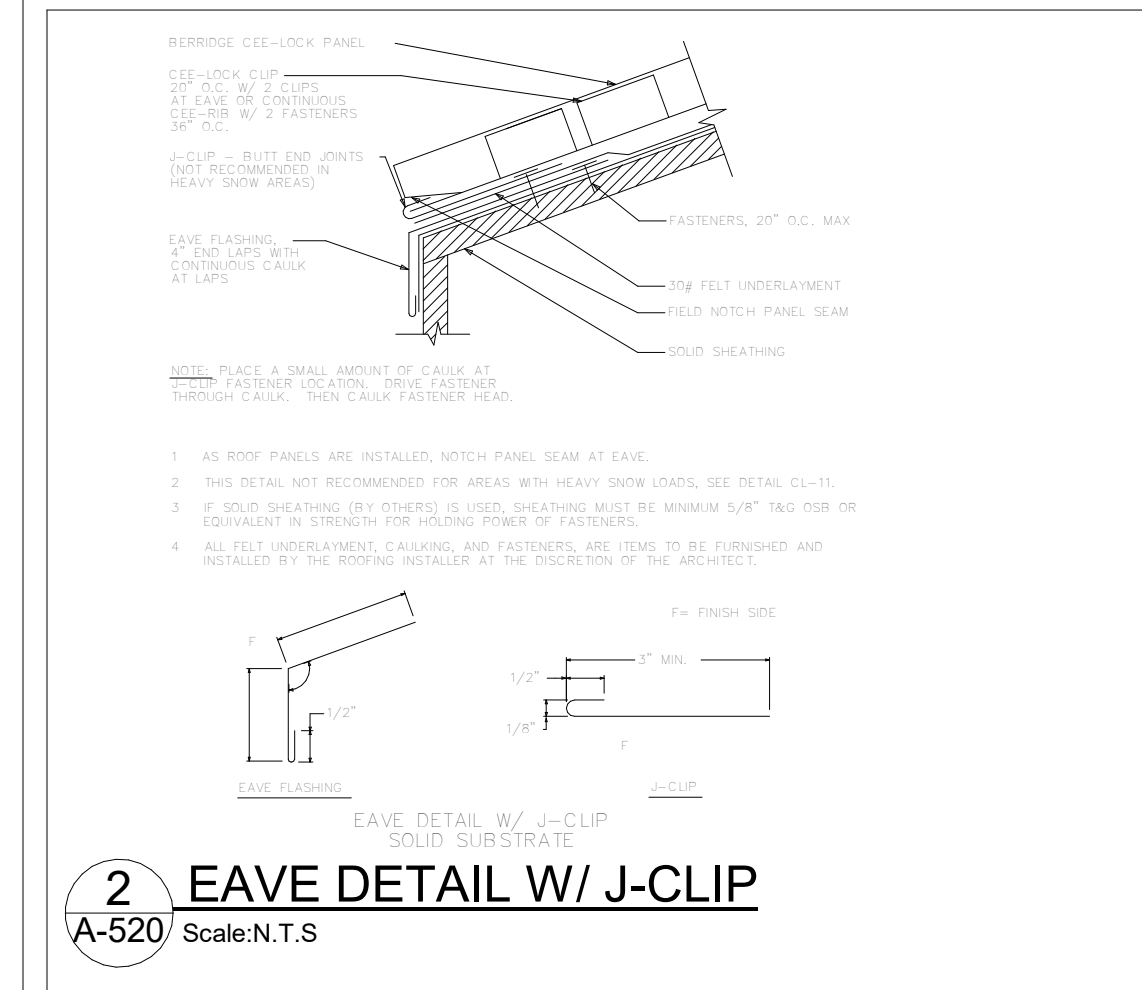
13 NOT USED
A-520 Scale:N.T.S



10 HIP AND RIDGE
A-520 Scale:N.T.S



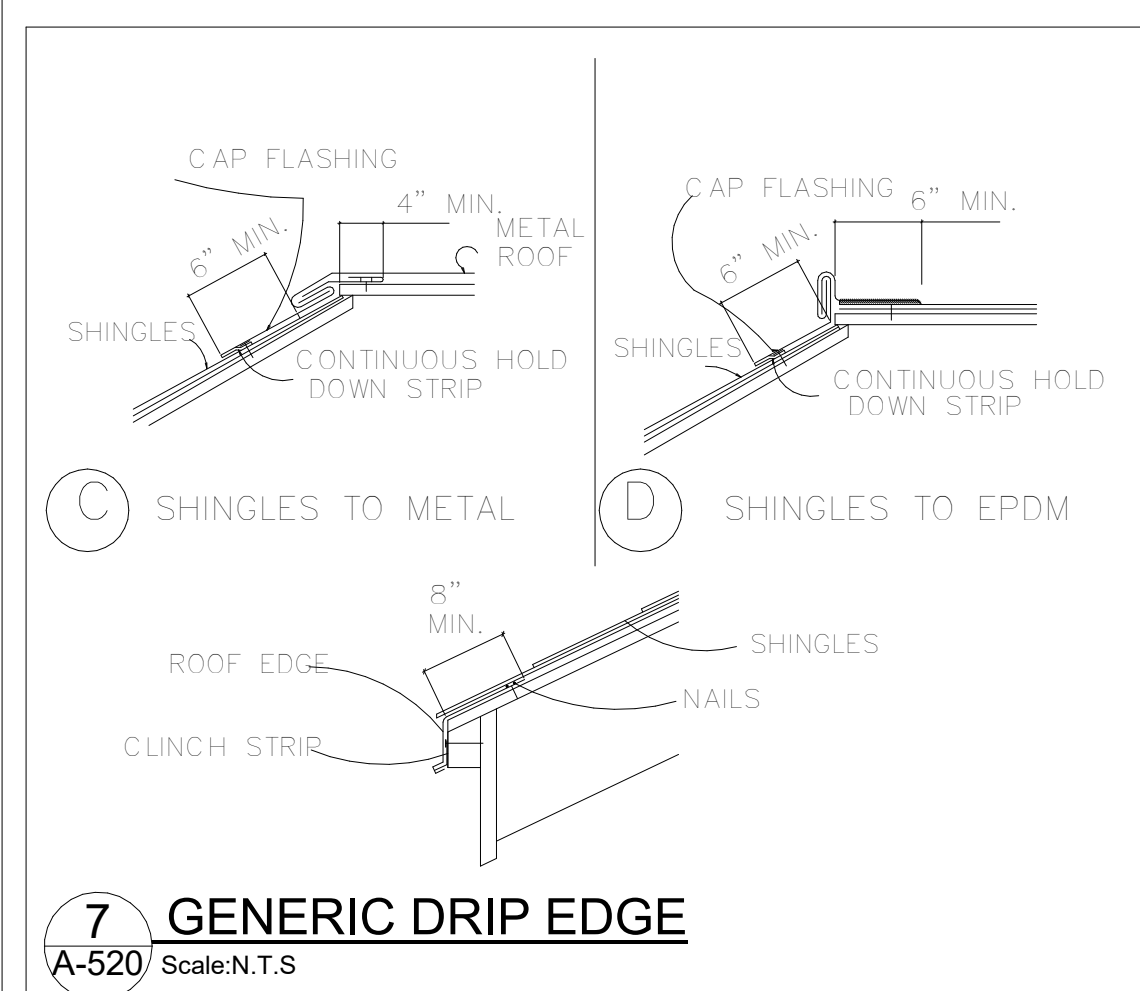
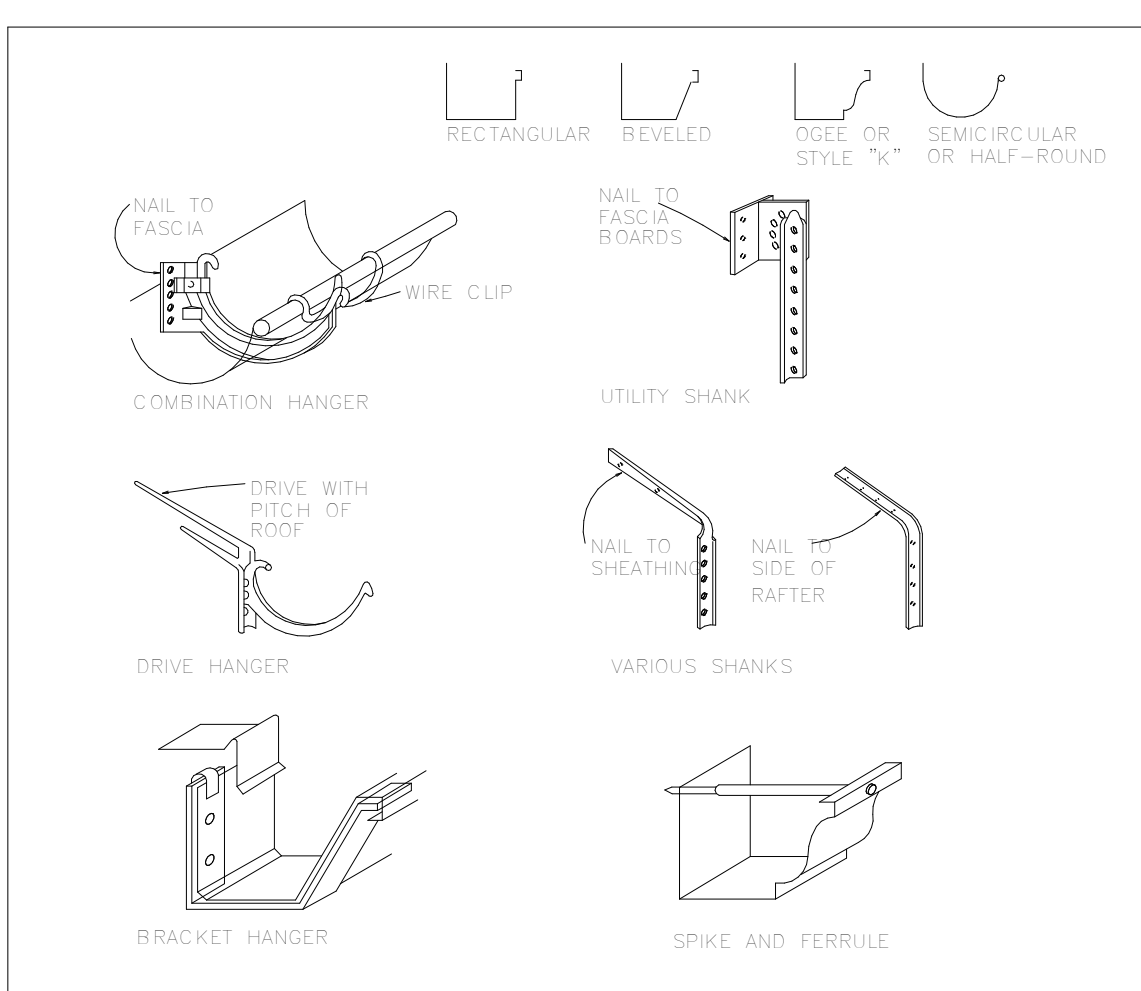
6 CONCEALED RIDGE FLASHING
A-520 Scale:N.T.S



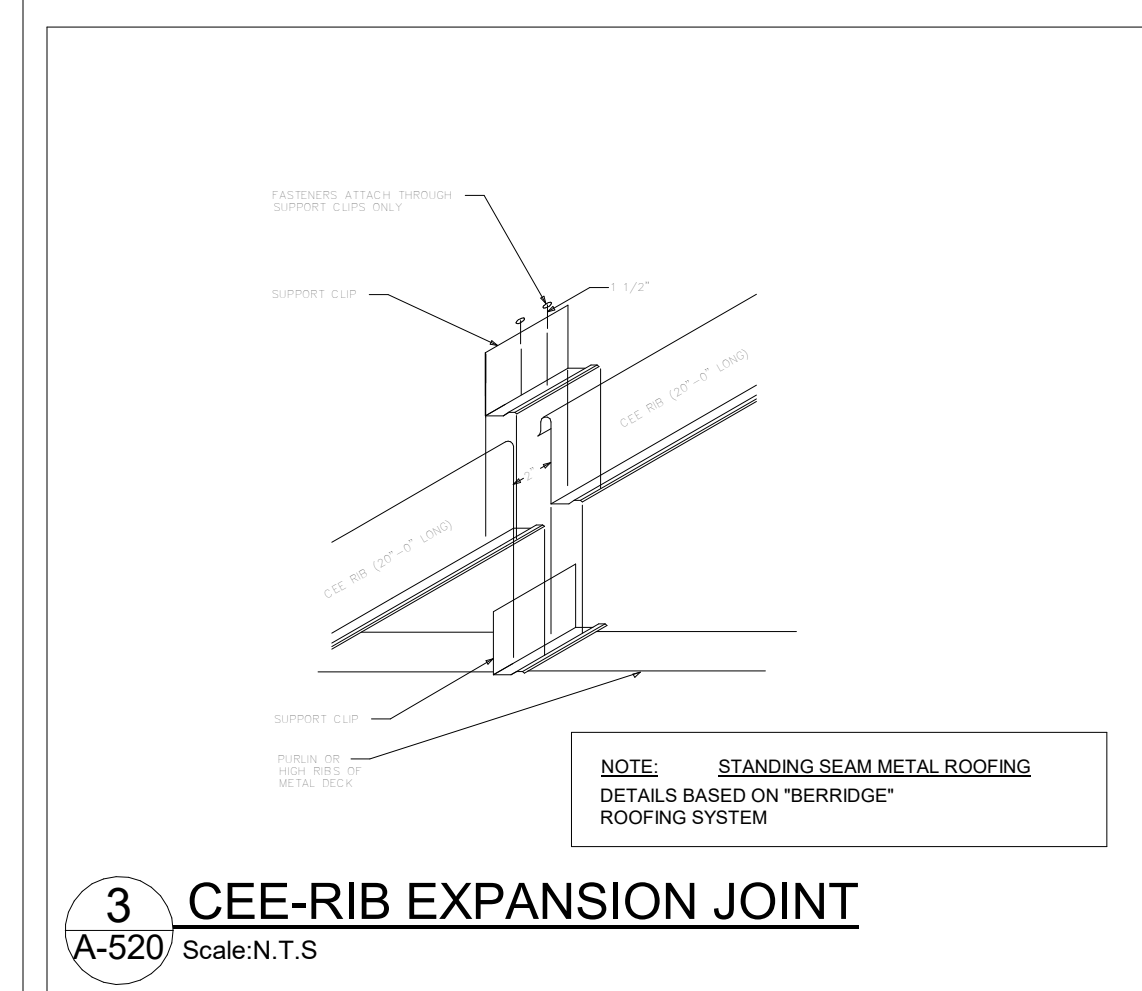
2 EAVE DETAIL W/ J-CLIP
A-520 Scale:N.T.S



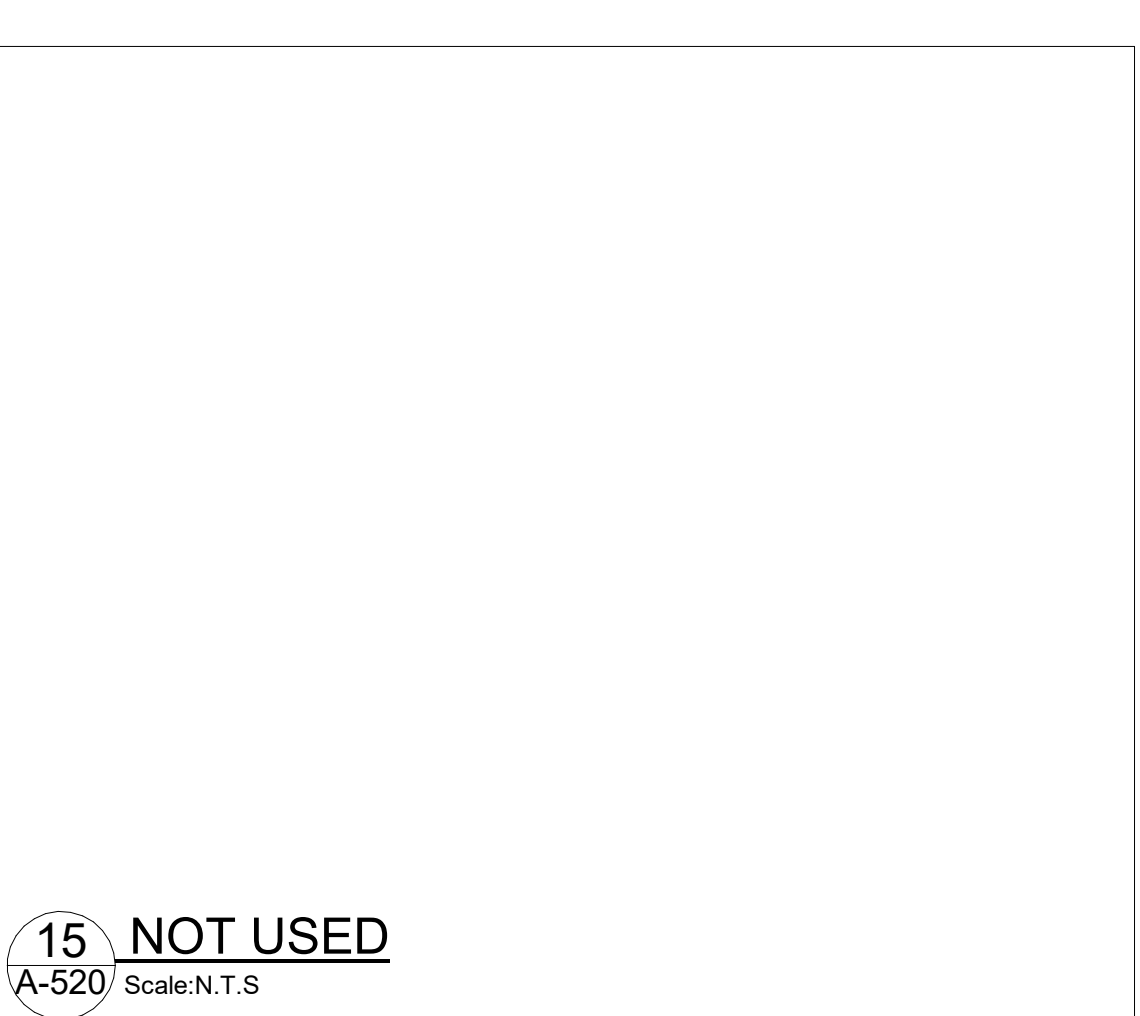
14 NOT USED
A-520 Scale:N.T.S



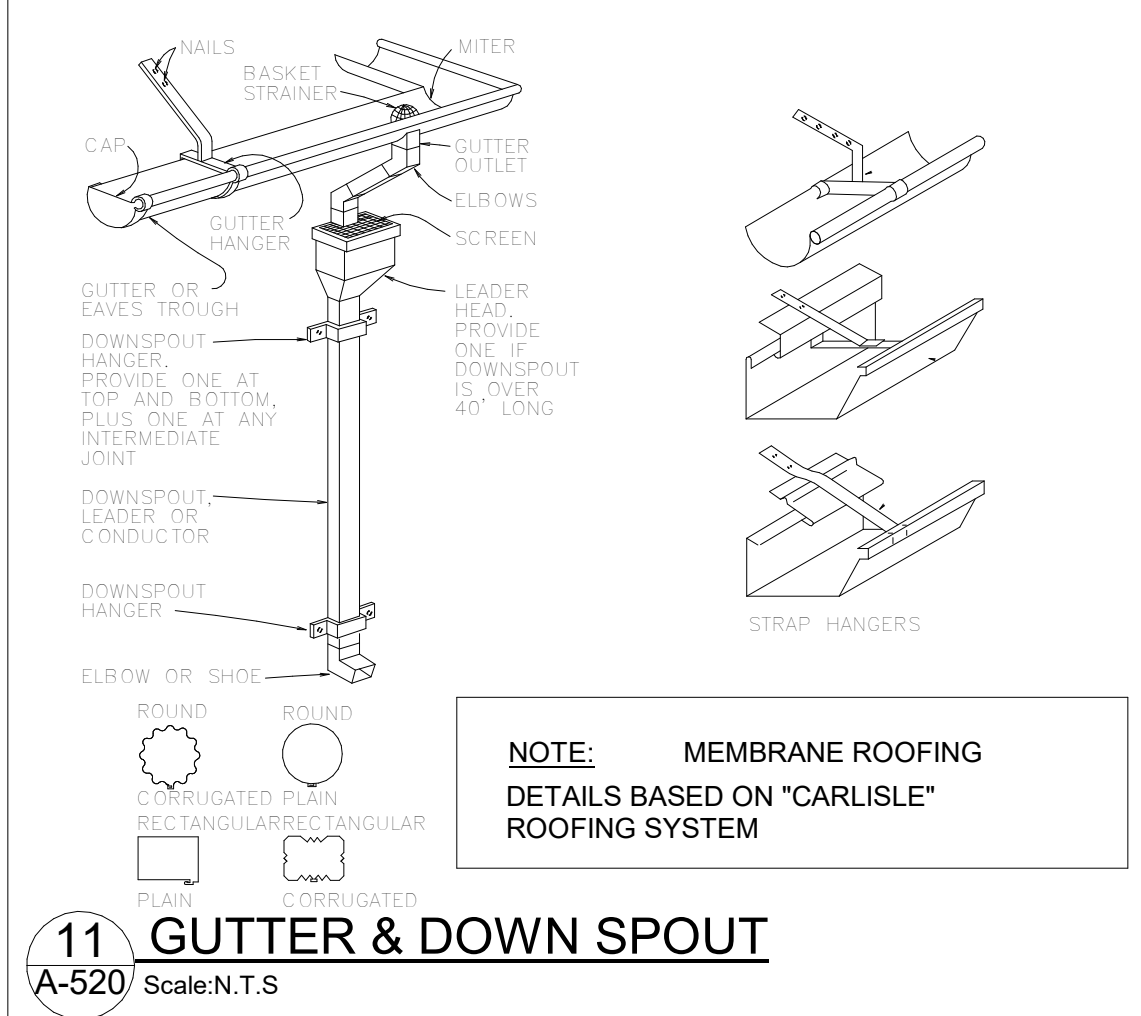
7 GENERIC DRIP EDGE
A-520 Scale:N.T.S



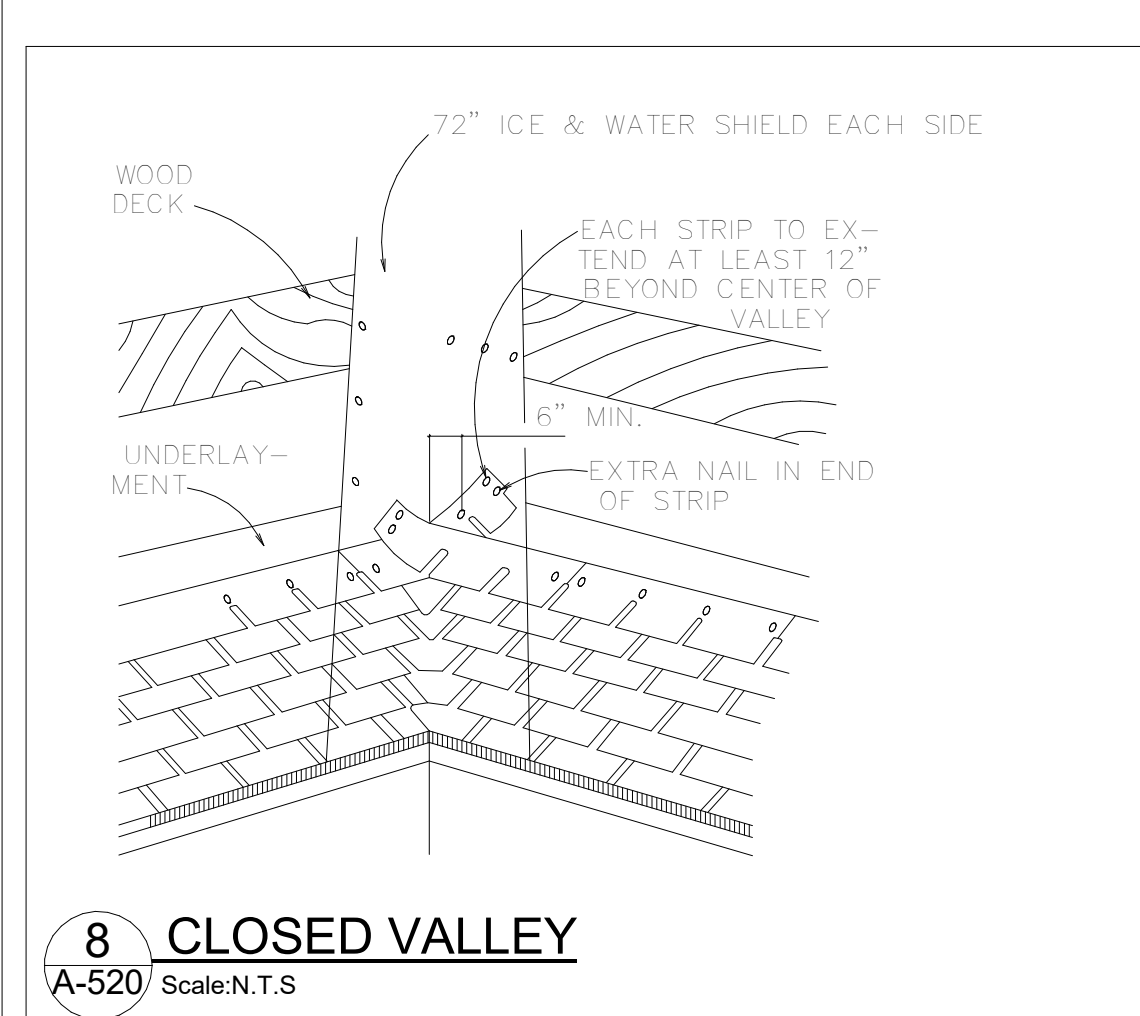
3 CEE-RIB EXPANSION JOINT
A-520 Scale:N.T.S



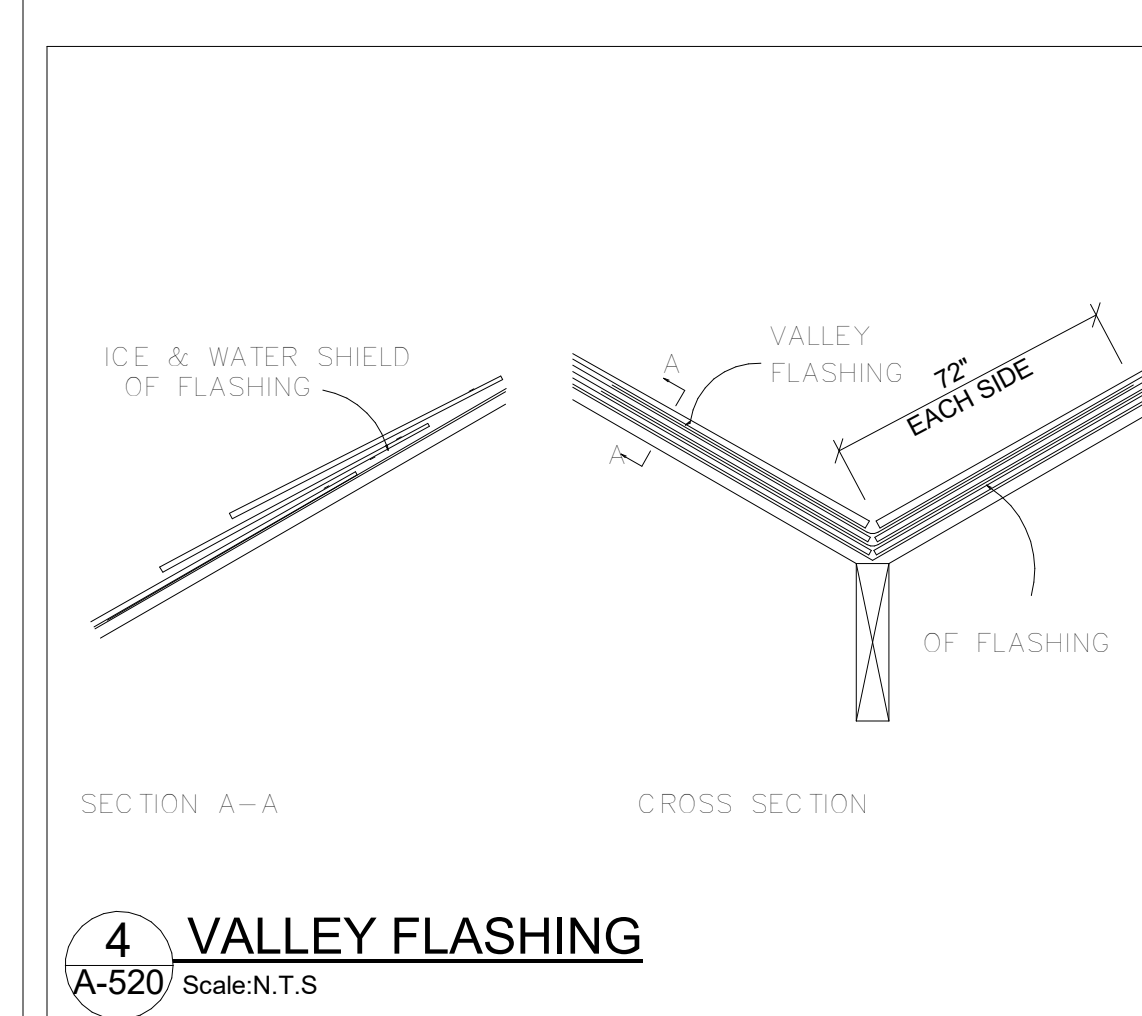
15 NOT USED
A-520 Scale:N.T.S



11 GUTTER & DOWN SPOUT
A-520 Scale:N.T.S



8 CLOSED VALLEY
A-520 Scale:N.T.S



4 VALLEY FLASHING
A-520 Scale:N.T.S

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PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

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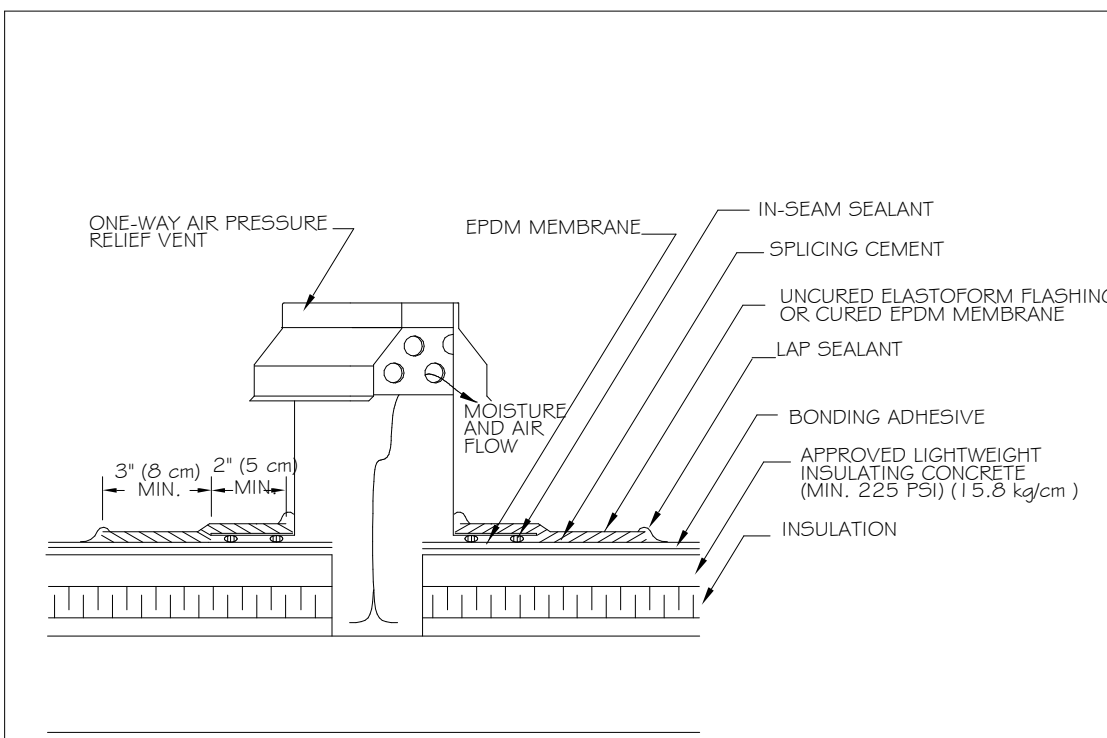
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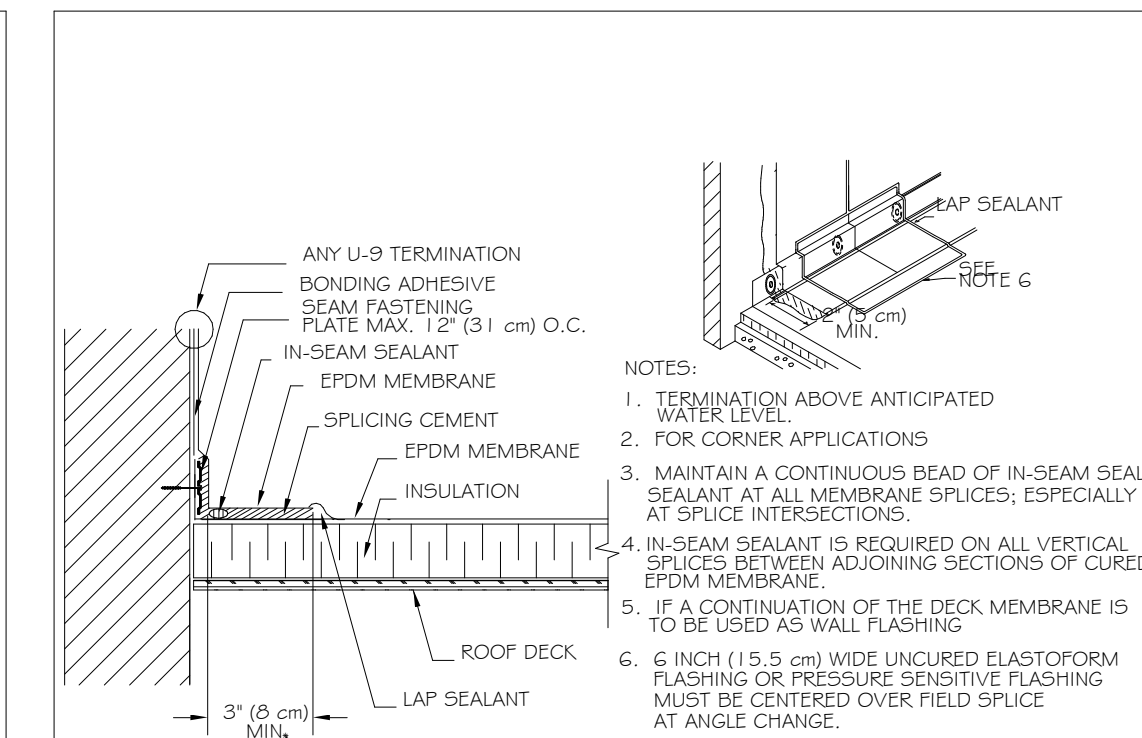
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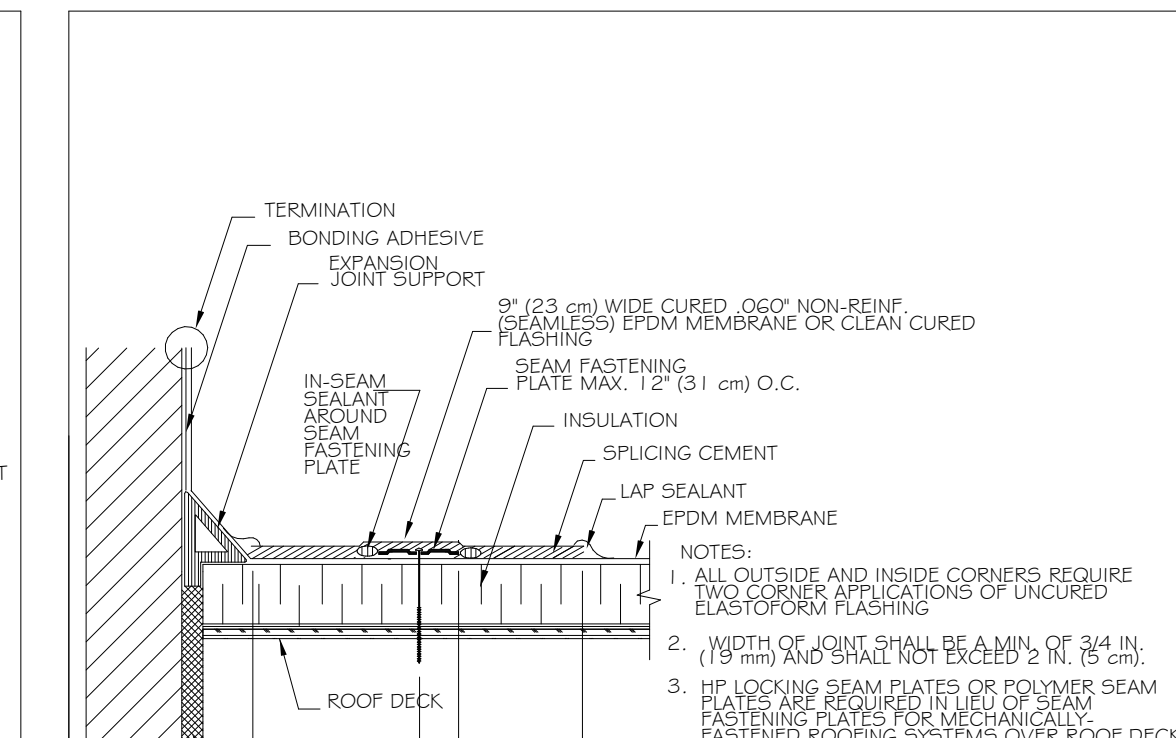
CONSULTANTS:



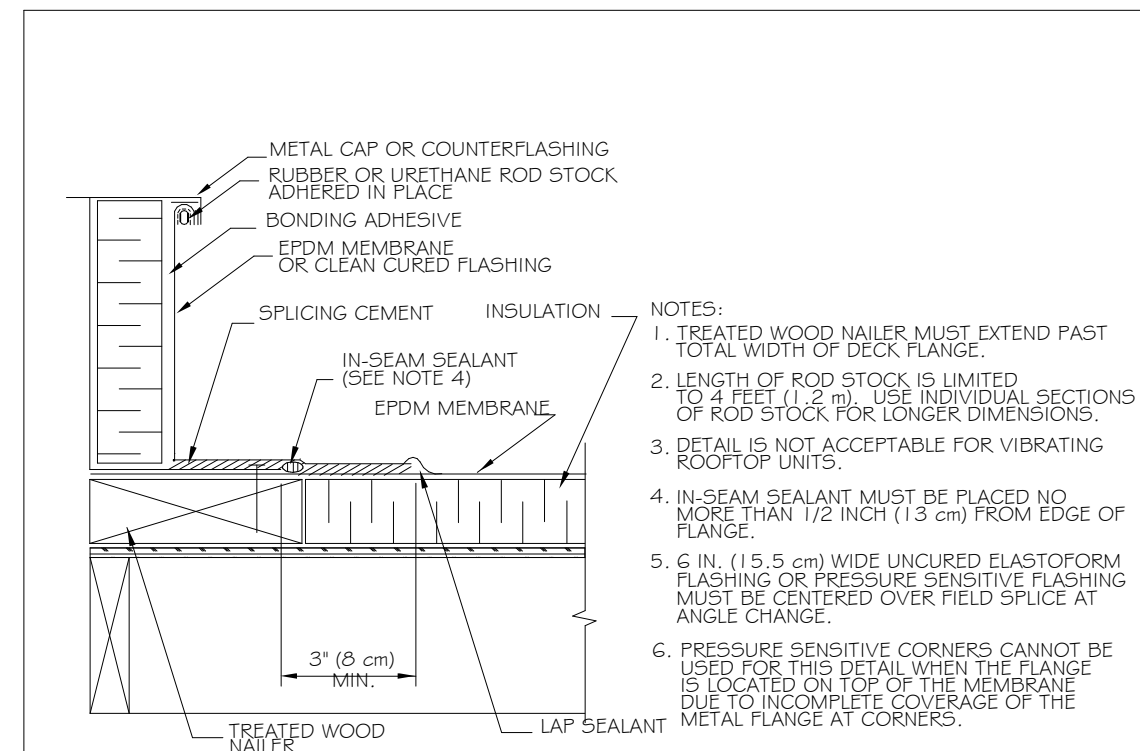
1 ONE-WAY AIR PRESSURE RELIEF VENT
Scale: N.T.S.



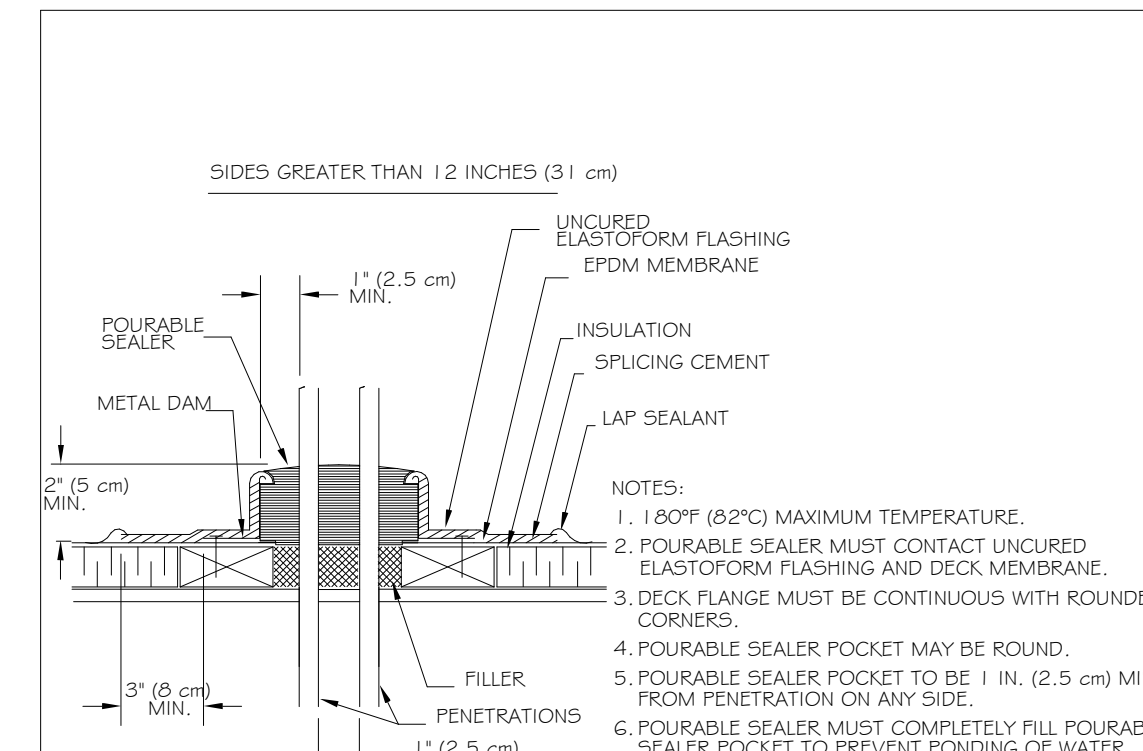
2 PARAPET/CURB CURED EPDM
Scale: N.T.S.



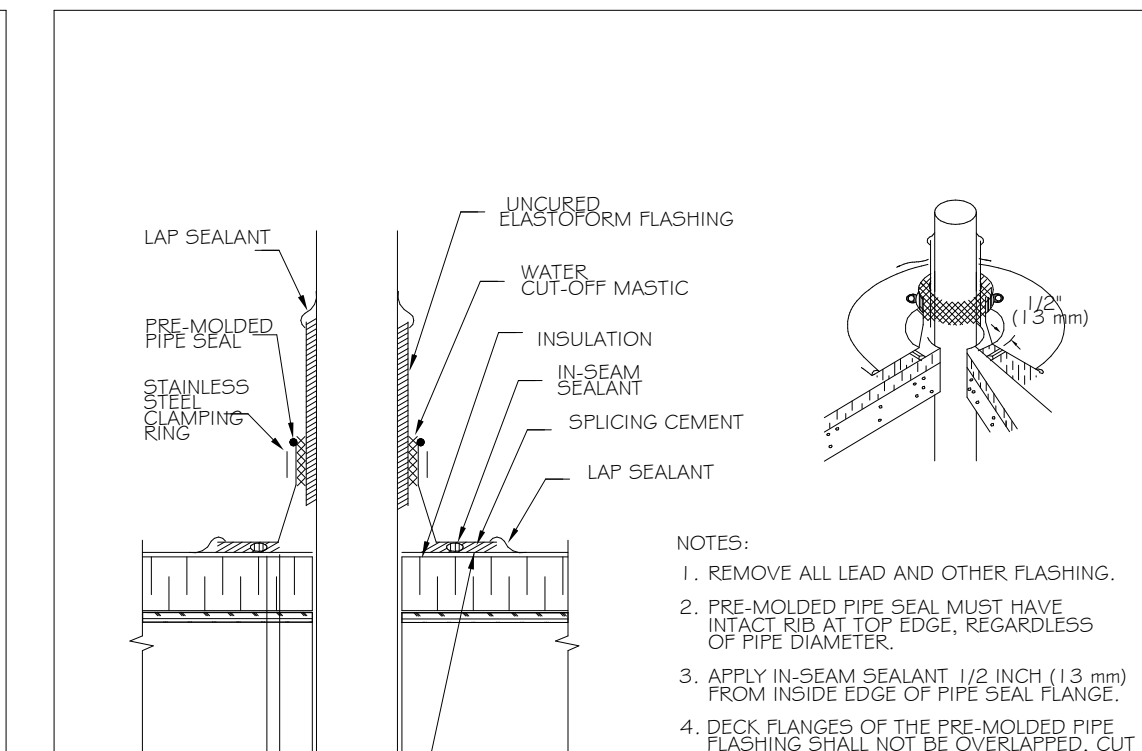
3 DECK TO WALL
Scale: N.T.S.



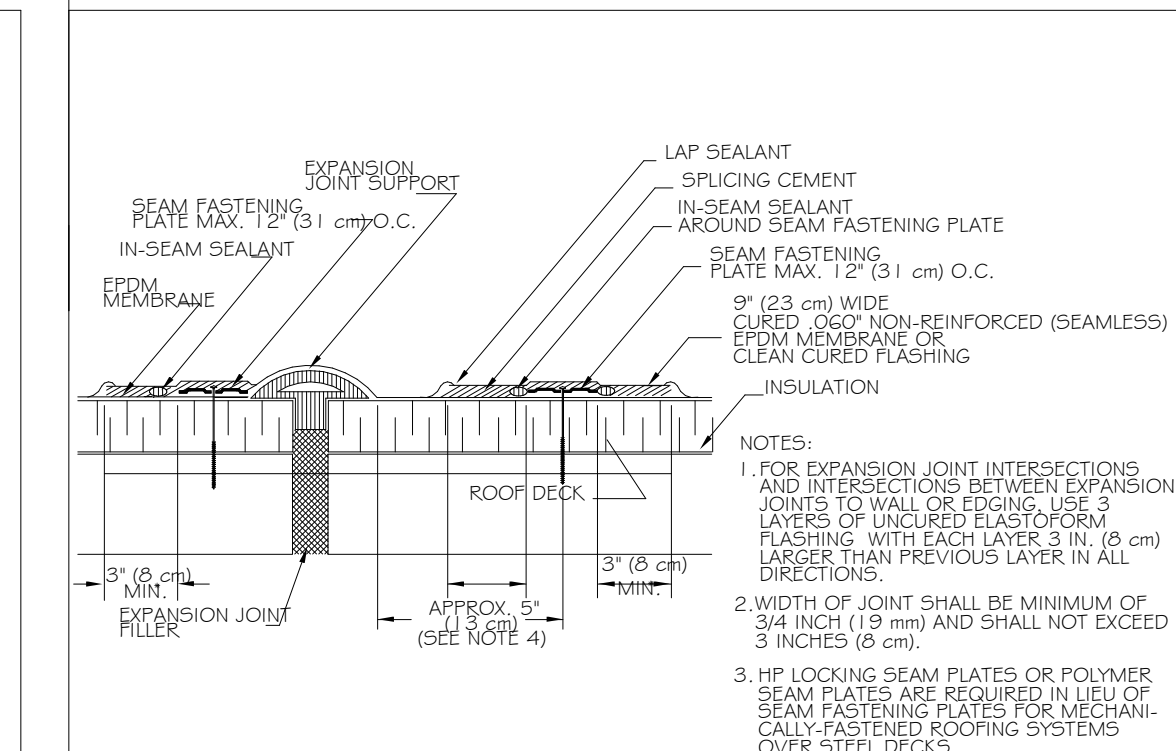
4 SELF-FLASHING CURB
Scale: N.T.S.



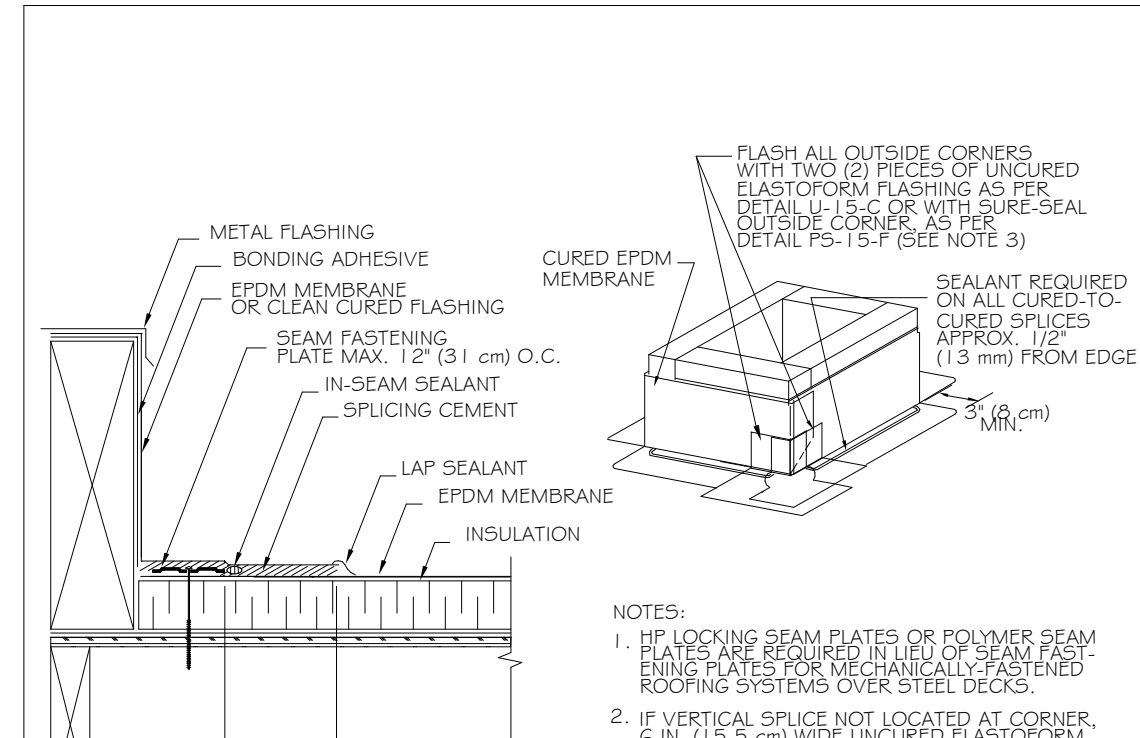
5 FIELD FAB. POURABLE SEALER POCKET
Scale: N.T.S.



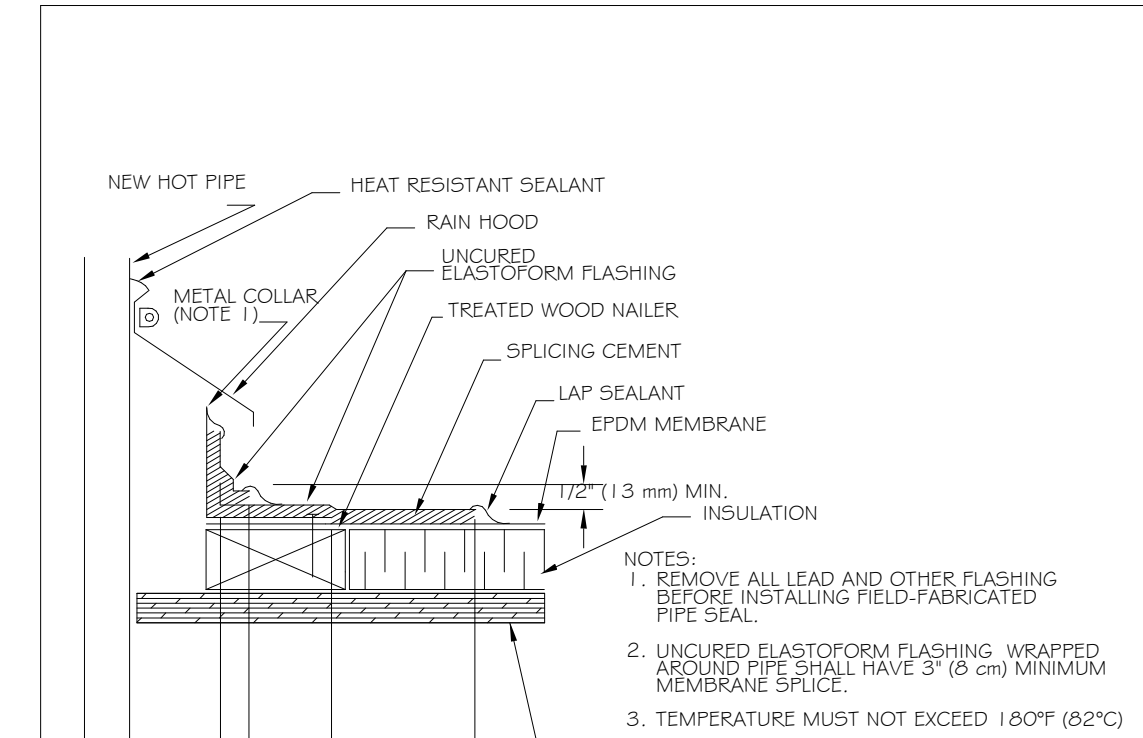
6 PRE-MOLDED VENT PIPE & EXTENSION
Scale: N.T.S.



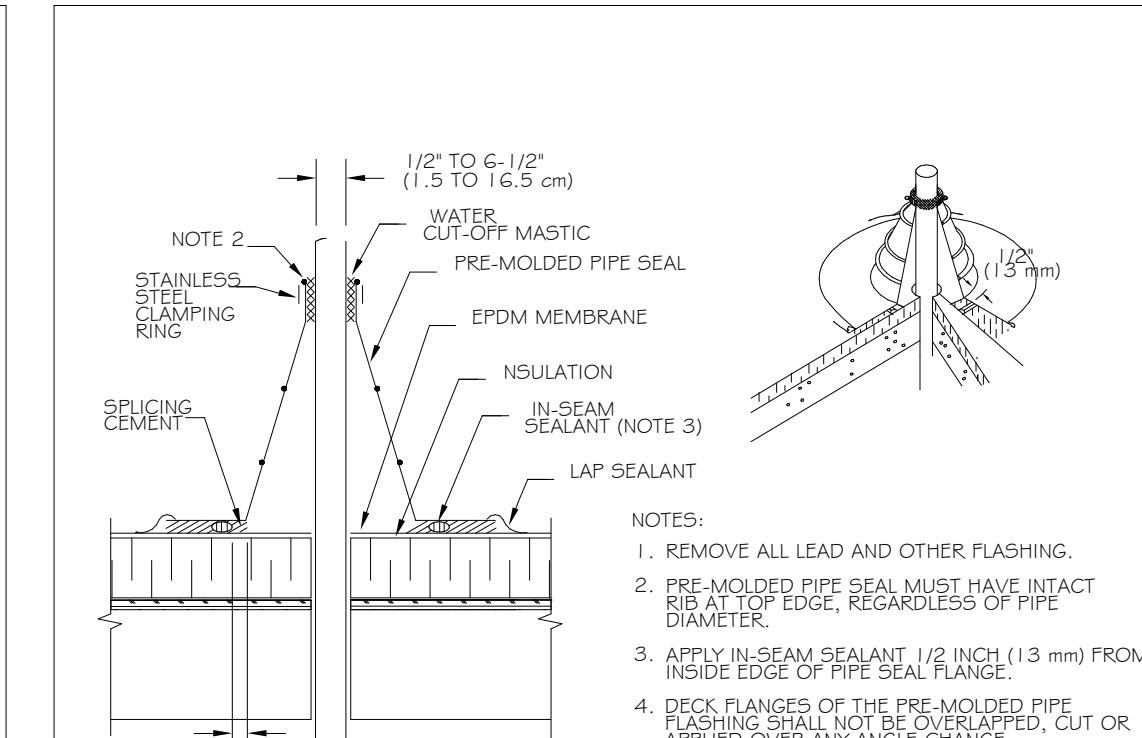
7 DECK TO DECK EXPANSION JOINT
Scale: N.T.S.



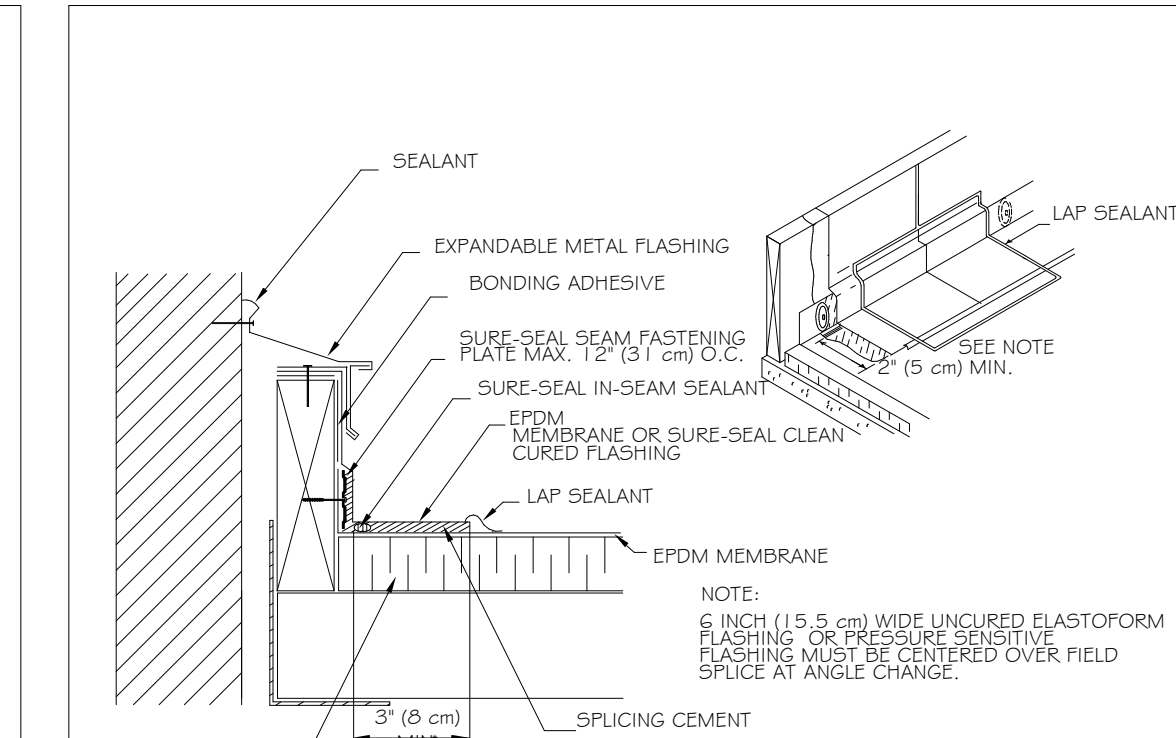
8 CURB FLASHING (OPTION #2)
Scale: N.T.S.



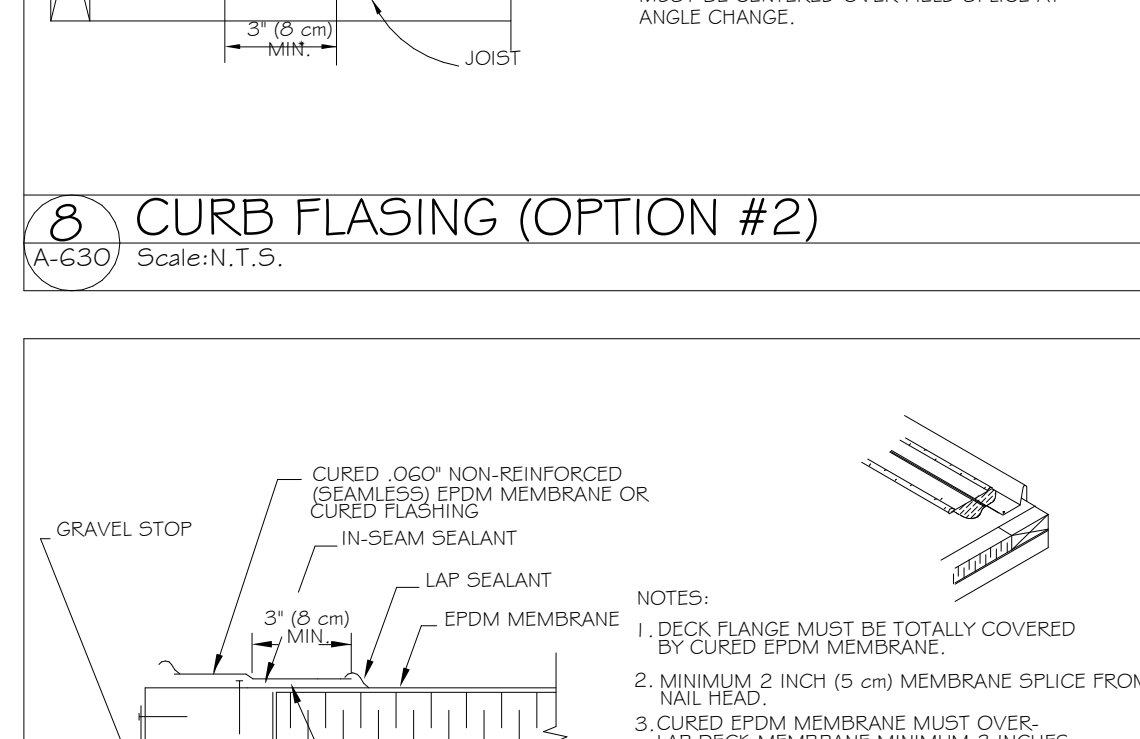
9 FIELD FABRICATED NEW HOT STACK
Scale: N.T.S.



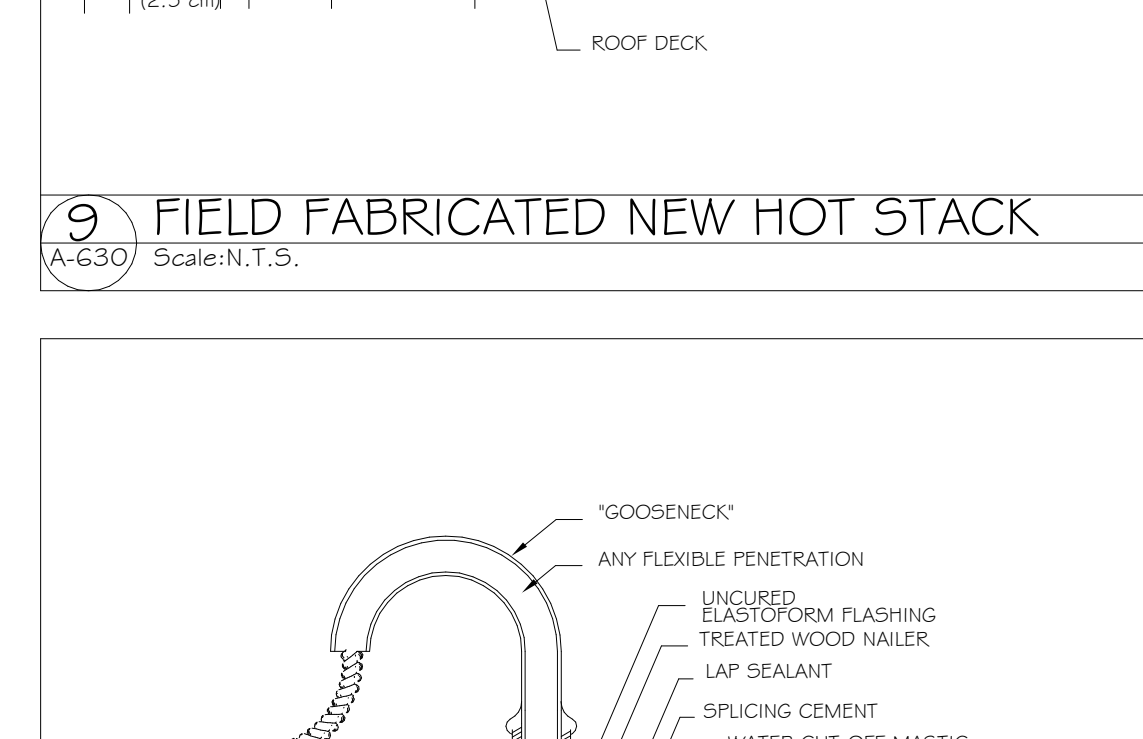
10 PRE-MOLDED VENT PIPE FLASHING
Scale: N.T.S.



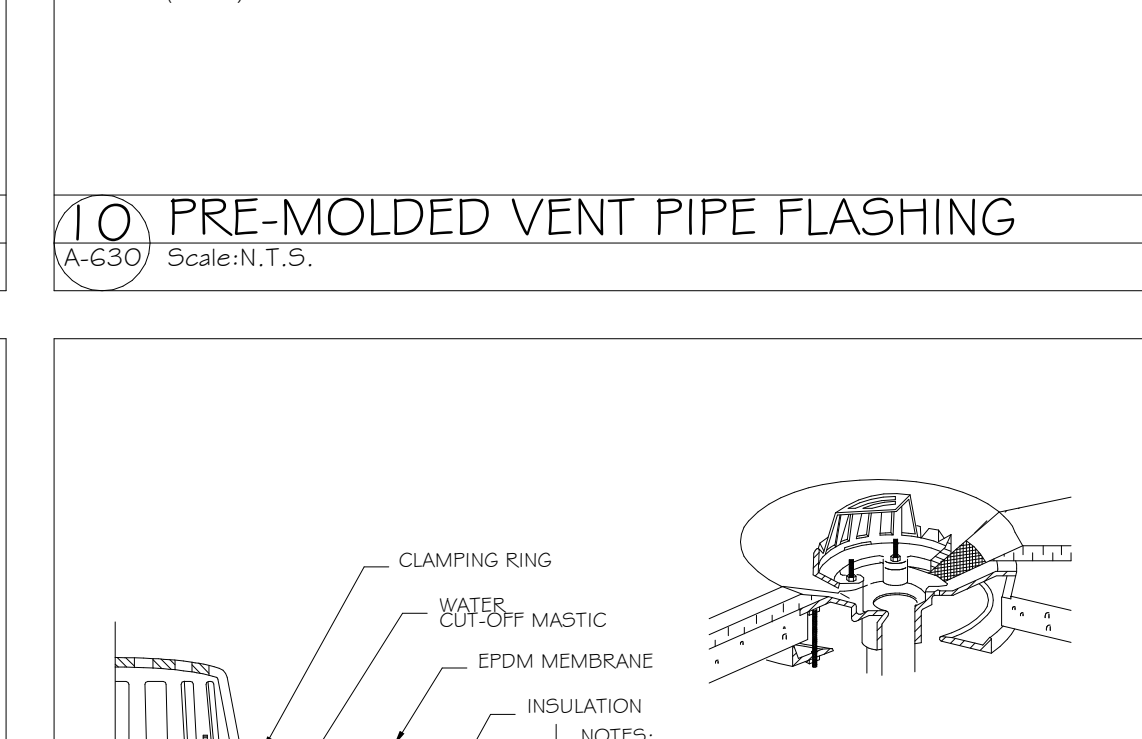
11 SHEAR AND EXPANSION COVER
Scale: N.T.S.



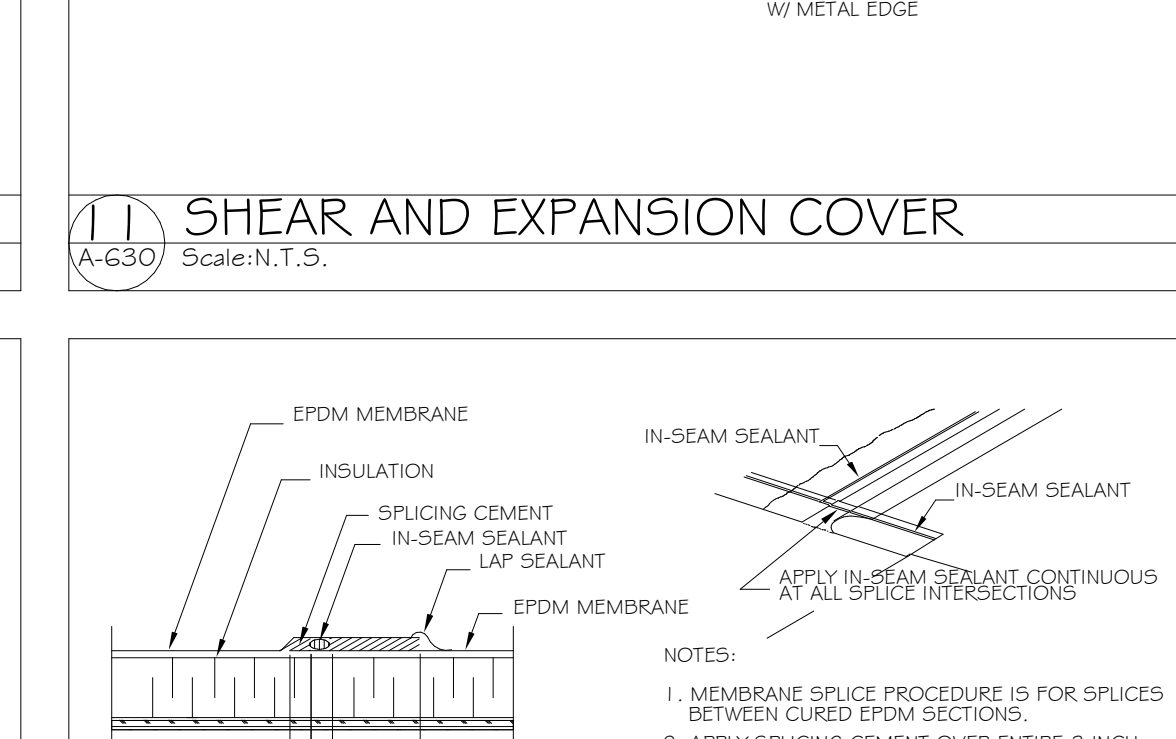
12 METAL EDGE TERMINATION
Scale: N.T.S.



13 FLEXIBLE PENETRATION
Scale: N.T.S.



14 ROOF DRAIN
Scale: N.T.S.



15 MEMBRANE SPLICE
Scale: N.T.S.

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Date 04/28/2025
Drawn by DM
Checked by Checker
Scale 1/8" = 1'-0"

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TYPICAL ROOF DETAILS

A-630

10-12 CORINTHIAN RESIDENCES

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PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT



ARCHITECTURE

KHALSA DESIGN, INC.
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Scale As indicated

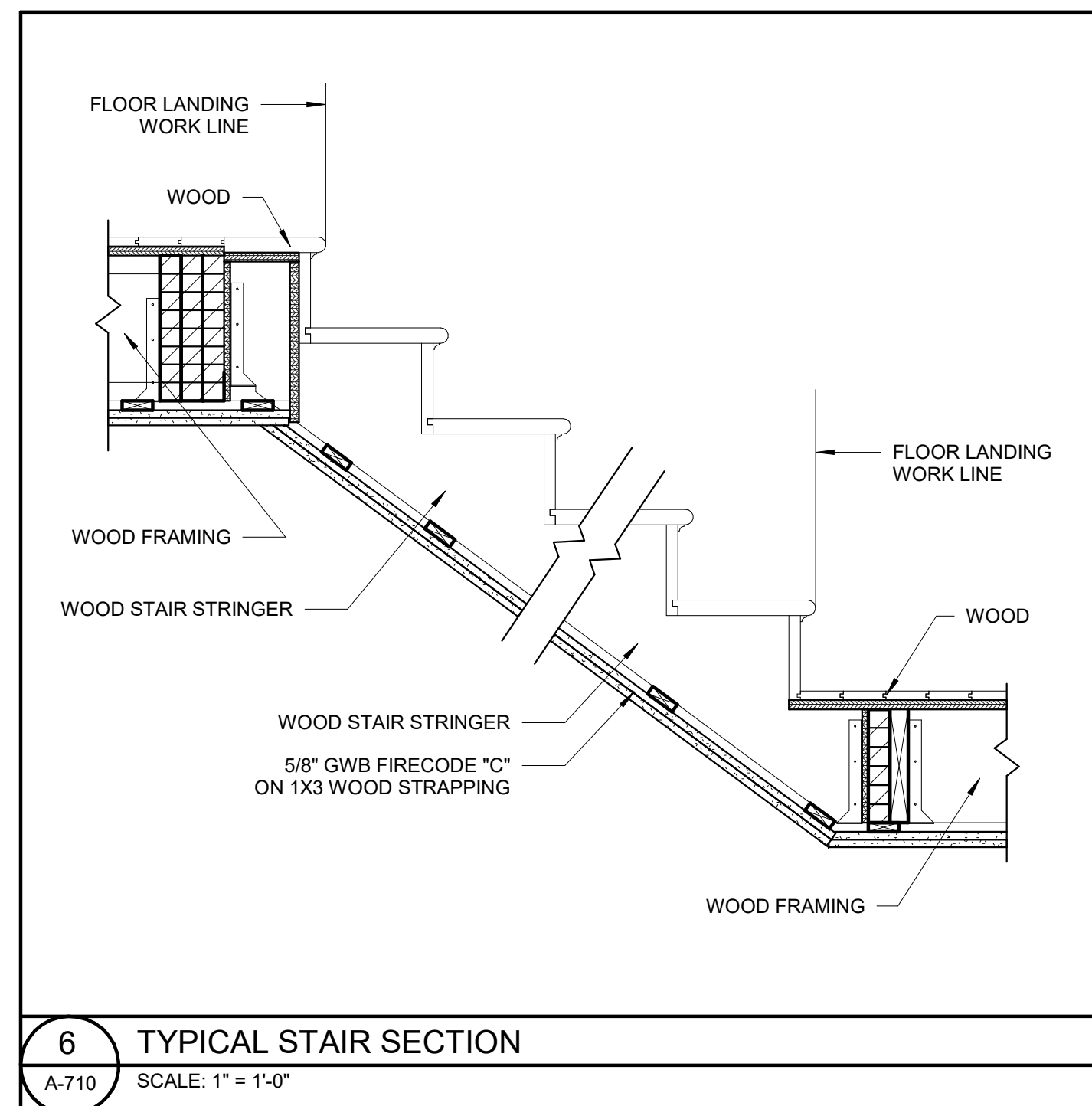
REVISIONS

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STAIR DETAILS

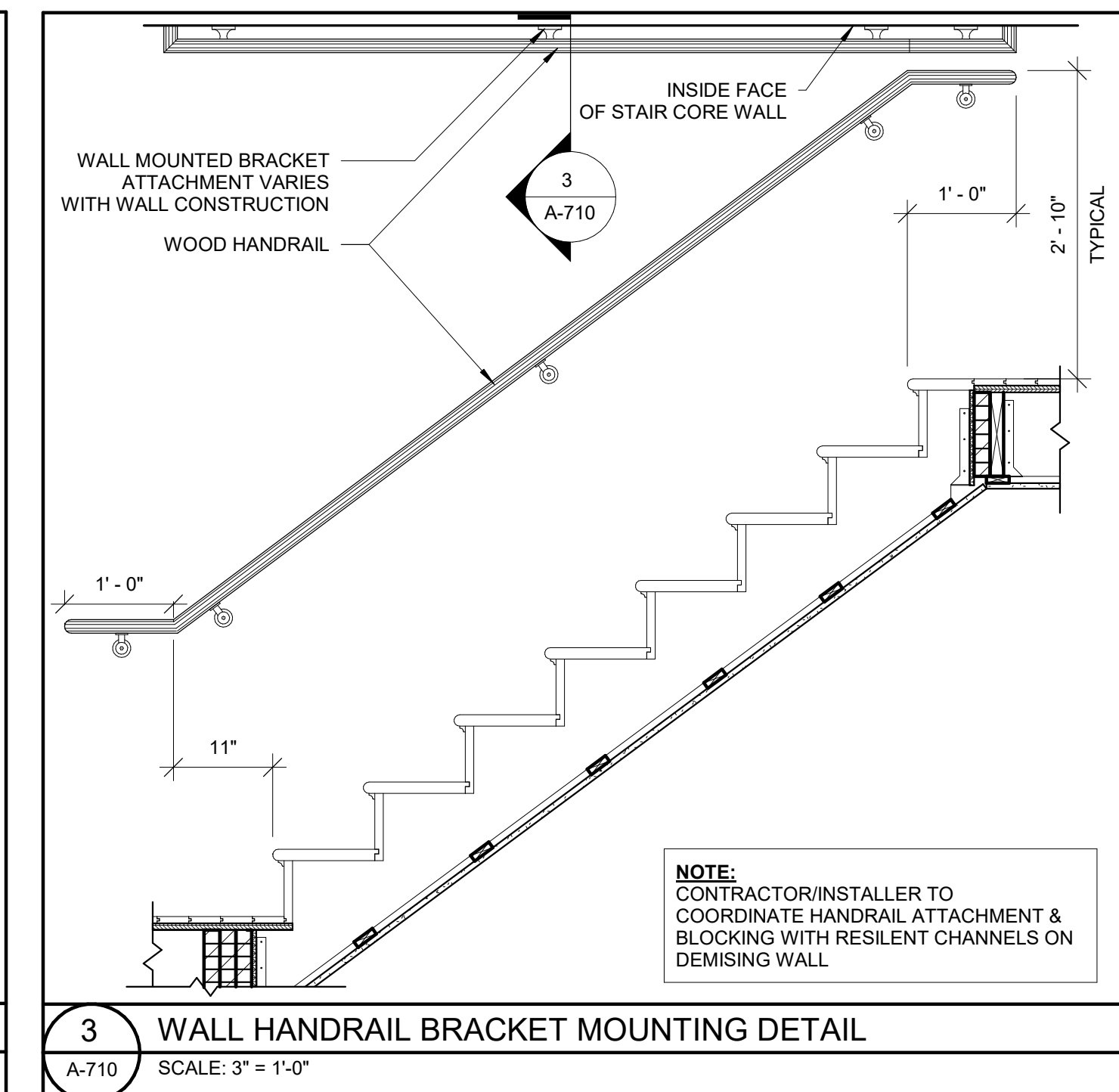
A-710

10-12 CORINTHIAN RESIDENCES



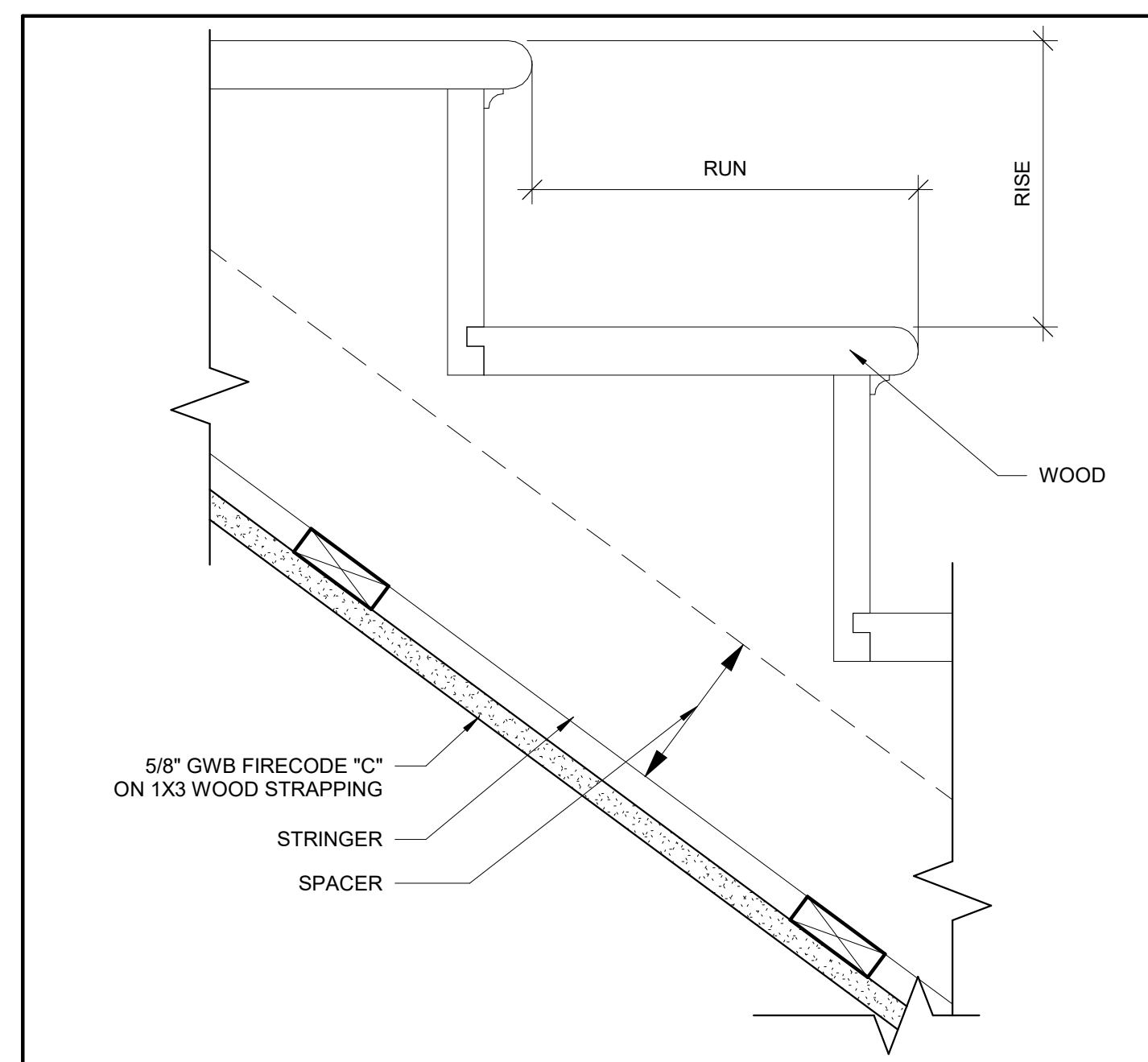
6 TYPICAL STAIR SECTION

A-710 SCALE: 1" = 1'-0"



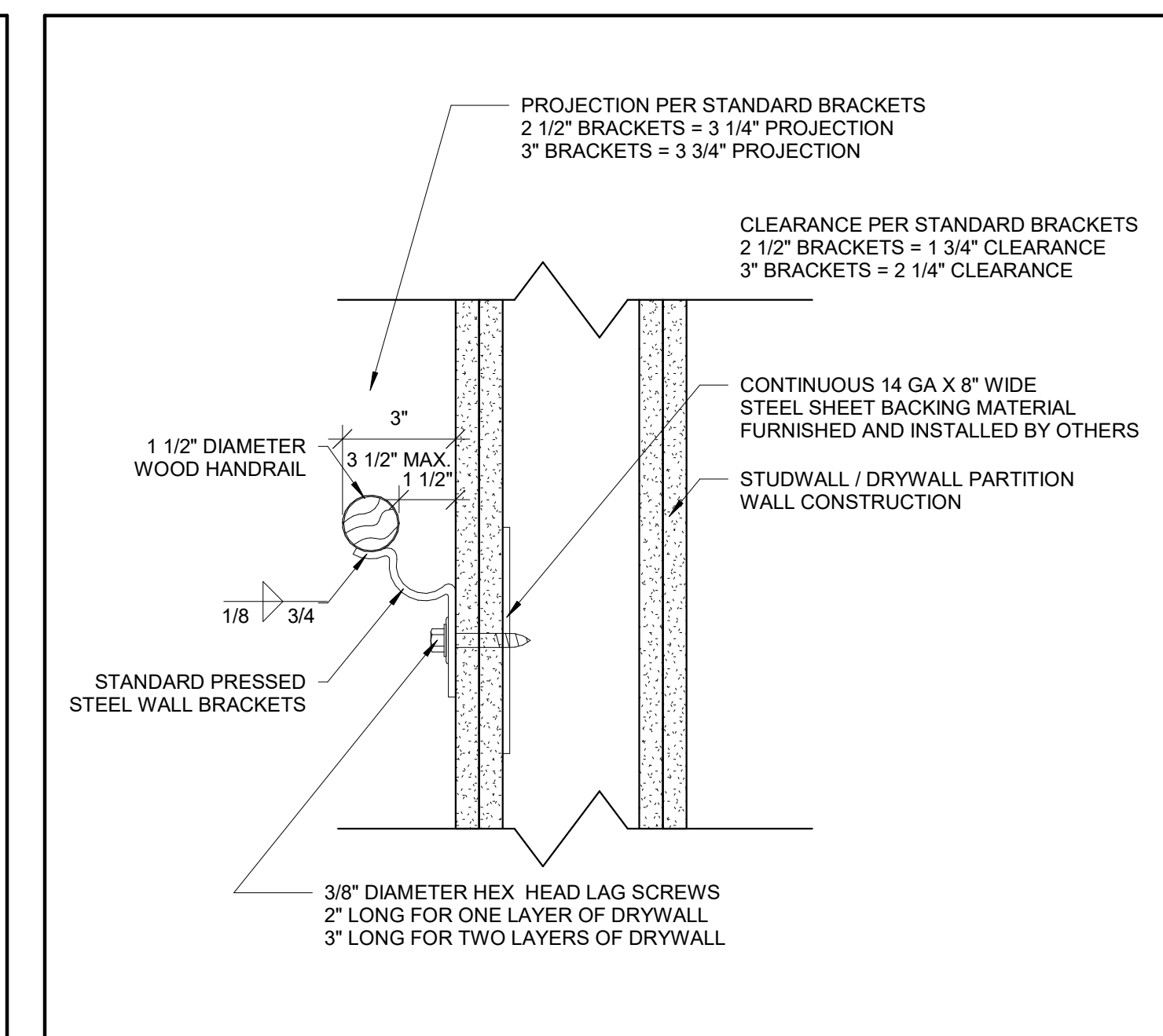
3 WALL HANDRAIL BRACKET MOUNTING DETAIL

A-710 SCALE: 3" = 1'-0"



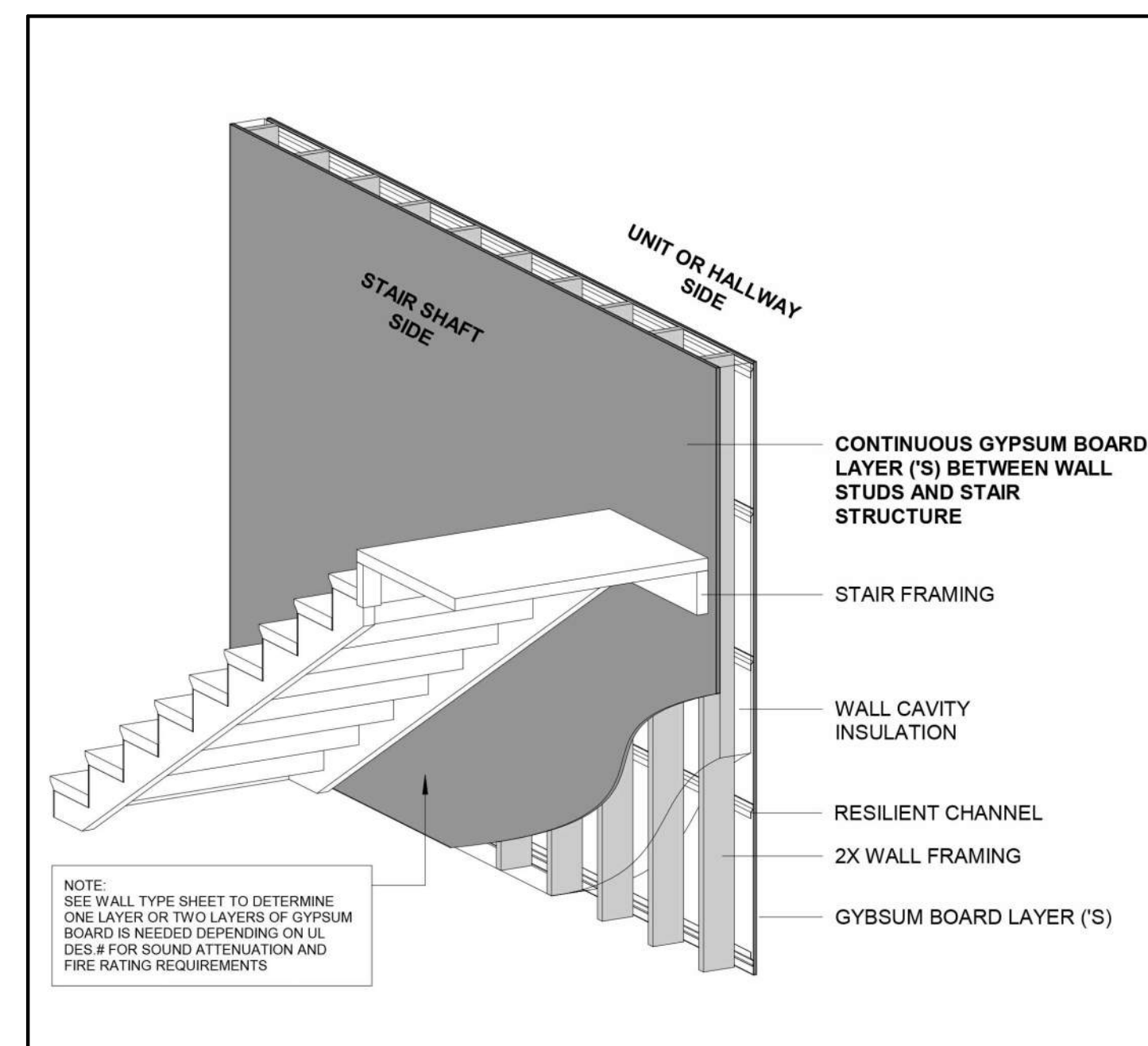
5 WOOD STAIR DETAIL

A-710 SCALE: 3" = 1'-0"



2 TYPICAL WALL RAIL

A-710 SCALE: 3/4" = 1'-0"



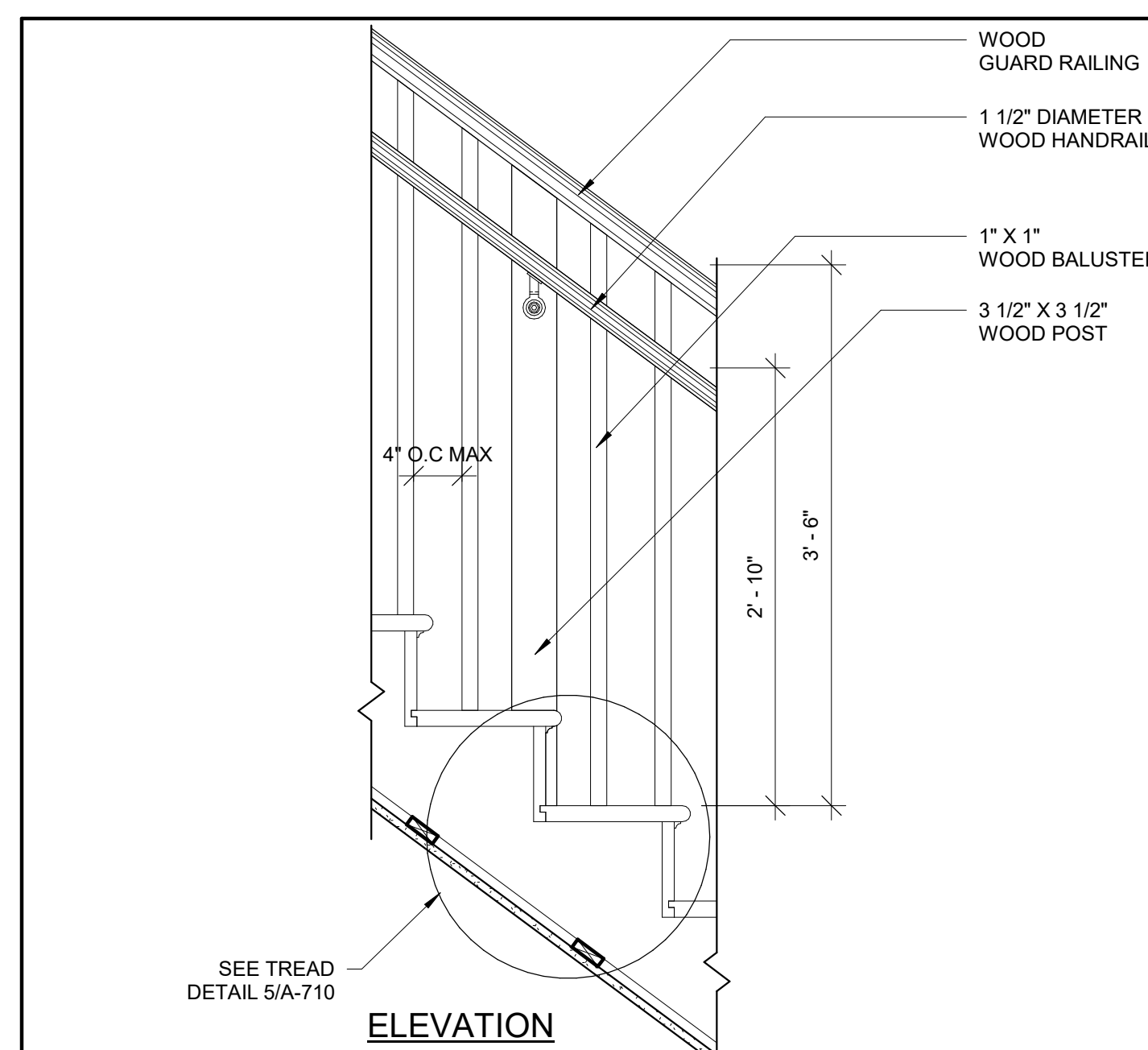
7 STAIR FRAMING 3D DIAGRAM

A-710 SCALE: NOT TO SCALE

NOTE: SEE WALL TYPE SHEET TO DETERMINE ONE LAYER OR TWO LAYERS OF GYPSUM BOARD IS NEEDED DEPENDING ON UL DESIGN FOR SOUND ATTENUATION AND FIRE RATING REQUIREMENTS

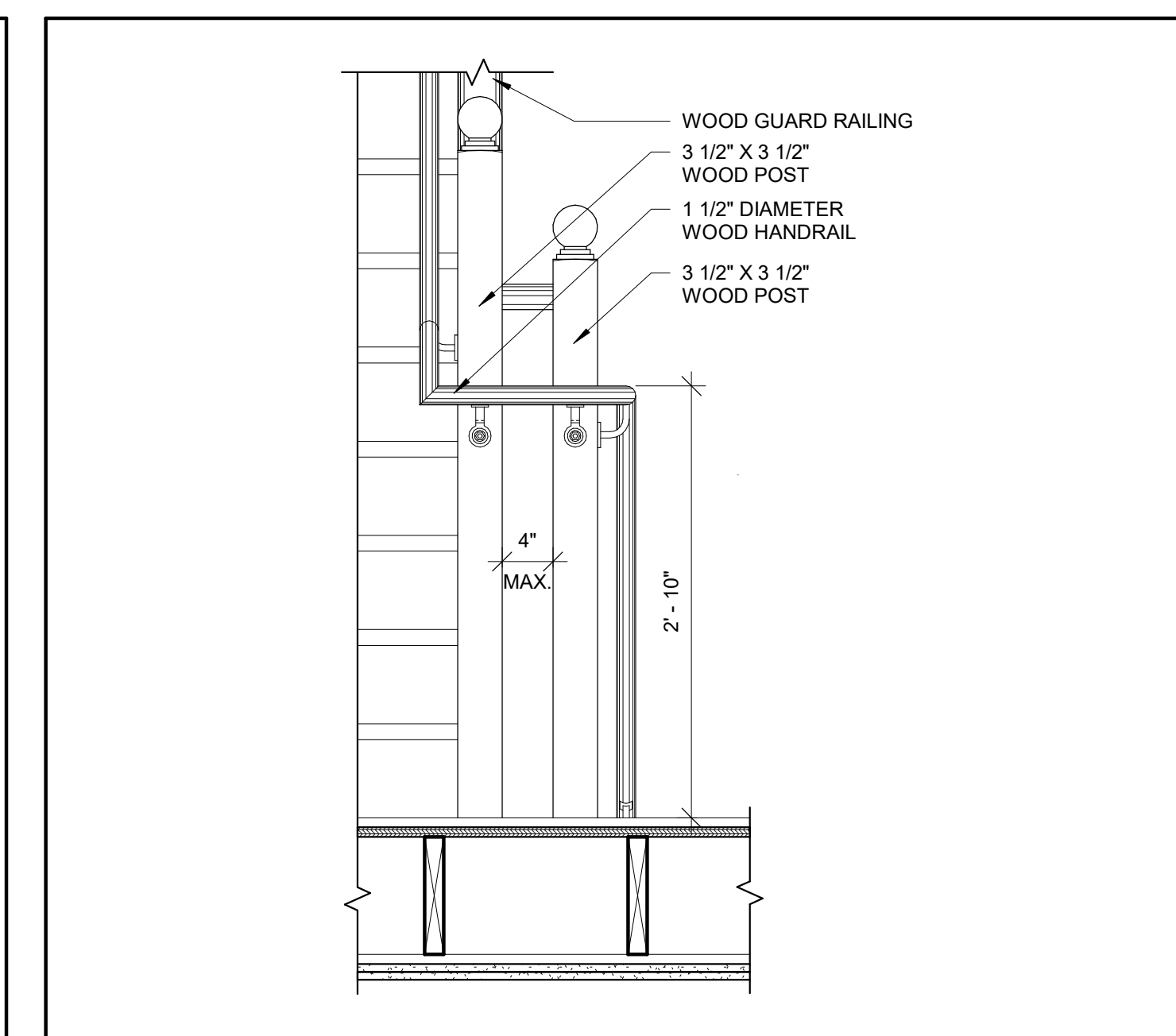
NOTE: HAT CHANNELS DO NOT SUFFICE FOR STC PURPOSES. USE RC-1 DELUXE CHANNELS, PROFILE SHOWN BELOW.

| HAT CHANNEL | RC-1 DELUXE CHANNEL |
|---|---------------------|
| | |
| NOT PERMITTED (EXCEPT FOR USE WITH GENIE CLIPS) | PERMITTED |



4 PICKET RAIL INTERMEDIATE POST

A-710 SCALE: 1" = 1'-0"



1 PICKET RAIL TRANS. BETWEEN LANDINGS

A-710 SCALE: 1" = 1'-0"

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| DOOR SCHEDULE | | | | | | | | | | |
|---------------|---------------------------|----------------|----------------|---------------|----------|---------|-------------|---------|------|------|
| Type Mark | LOCATION | DOOR STYLE | FRAME MATERIAL | DOOR MATERIAL | WIDTH | HEIGHT | FIRE RATING | DETAILS | | |
| | | | | | | | | HEAD | JAMB | SILL |
| 1 | BUILDING ENTRY | EXTERIOR ENTRY | | | 3' - 0" | 6' - 8" | | | | |
| 2 | BALCONIES | GLASS SLIDER | | | 5' - 8" | 6' - 8" | | | | |
| U1 | UNIT ENTRY | SINGLE FLUSH | | | 3' - 0" | 6' - 8" | 45 MIN | | | |
| U2 | BEDROOMS / MAAB BATHROOMS | SINGLE FLUSH | | | 2' - 10" | 6' - 8" | | | | |
| U3 | BATHROOMS | SINGLE FLUSH | | | 2' - 8" | 6' - 8" | | | | |
| U4 | CLOSETS | SINGLE FLUSH | | | 2' - 6" | 6' - 8" | | | | |
| U5 | CLOSETS | SINGLE FLUSH | | | 2' - 4" | 6' - 8" | | | | |
| U6 | CLOSETS | SINGLE FLUSH | | | 2' - 0" | 6' - 8" | | | | |
| U8 | LAUNDRY | DOUBLE FLUSH | | | 5' - 8" | 6' - 8" | | | | |
| U9 | CLOSETS | DOUBLE FLUSH | | | 4' - 6" | 6' - 8" | | | | |
| U10 | CLOSETS | DOUBLE FLUSH | | | 3' - 6" | 6' - 8" | | | | |
| U11 | CLOSETS | DOUBLE FLUSH | | | 3' - 0" | 6' - 8" | | | | |

| WINDOW SCHEDULE | | | | | | | | | | |
|-----------------|-------|-------------|---------------|---------|----------|-------------|-------------|--------|------|------|
| TYPE MARK | Count | STYLE | ROUGH OPENING | | MATERIAL | HEAD HEIGHT | SILL HEIGHT | DETAIL | | |
| | | | WIDTH | HEIGHT | | | | HEAD | JAMB | SILL |
| A | 32 | DOUBLE HUNG | 3' - 0" | 6' - 0" | | 8' - 0" | 2' - 0" | | | |
| B | 12 | DOUBLE HUNG | 3' - 0" | 5' - 4" | | 7' - 7" | 2' - 3" | | | |
| C | 6 | DOUBLE HUNG | 2' - 6" | 6' - 0" | | 8' - 0" | 2' - 0" | | | |
| F | 4 | DOUBLE HUNG | 2' - 0" | 5' - 4" | | 7' - 7" | 2' - 3" | | | |
| G | 4 | DOUBLE HUNG | 1' - 6" | 6' - 0" | | 8' - 0" | 2' - 0" | | | |
| I | 4 | CASEMENT | 3' - 0" | 3' - 0" | | 8' - 0" | 5' - 0" | | | |
| J | 2 | CASEMENT | 2' - 6" | 4' - 0" | | 7' - 7" | 3' - 7" | | | |
| K | 5 | FIXED | 3' - 0" | 1' - 6" | | 8' - 0" | 6' - 6" | | | |

PROJECT NAME
10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

ARCHITECT



ARCHITECTURE

Khalsa Design, Inc.
 17 IVALOO STREET SUITE 400
 SOMERVILLE, MA 02143

TELEPHONE: 617-591-8682

CONSULTANTS:

WINDOW NOTES:

- CONTRACTOR TO VERIFY SIZES OF EXISTING WINDOW OPENINGS TO REMAIN, PRIOR TO ORDERING OF WINDOWS
- BEDROOM WINDOWS TO COMPLY WITH EMERGENCY ESCAPE AND RESCUE MINIMUM OPENING AREA, HEIGHT & WIDTH AS REQUIRED BY THE IBC 2015 (MA AMENDMENTS), WINDOW TO COMPLY w/ MIN. NET CLEAR OPENING DIMENSIONS OF 20" X 24" & 5.7 NET S.F. SILL HEIGHT OF OPENING TO BE A MAXIMUM OF 3'-8" ABOVE THE FINISHED FLOOR.
- ALL WINDOWS THAT HAVE OPENINGS LESS THAN 36" ABOVE THE FINISHED FLOOR AND MORE THAN 72" ABOVE FINISHED GRADE SHALL HAVE A WINDOW OPENING CONTROL DEVICE. THE WINDOW OPENING CONTROL DEVICE, AFTER OPERATION TO RELEASE THE CONTROL DEVICE ALLOWING THE WINDOW TO FULLY OPEN, SHALL NOT REDUCE THE MINIMUM NET CLEAR OPENING AREA OF TH WINDOW UNIT TO LESS THAN THE AREA REQUIRED FOR EMERGENCY ESCAPE AND RESCUE OPENING.
- WINDOWS SHALL HAVE EXTERIOR MUNTINS AS SHOWN ON THE ELVATIONS & HALF SCREENS ON ALL WINDOWS.
- WINDOW SUBMITALL TO BE SUBMITTED TO ARCHITECT PRIOR TO ORDERING OF WINDOWS.
- ALL FINISHES AND HARDWARE TO BE SELECTED BY OWNER.
- LOCATIONS REQUIRING TEMPERED GLASS TO BE VERIFIED PRIOR TO ORDERING WINDOWS.

| | | | | | |
|----------------------|---------------|---------|---------------|---------------|---------------|
| ELEVATION-FRONT VIEW | | | | | |
| STYLE | SINGLE-HINGED | SLIDING | SINGLE-HINGED | SINGLE-HINGED | SINGLE-HINGED |
| TAG | 1 | 2 | U1 | U2 | U3 |

| | | | | |
|----------------------|-------------|-------------|-------------|-------------|
| ELEVATION-FRONT VIEW | | | | |
| STYLE | DOUBLE HUNG | DOUBLE HUNG | DOUBLE HUNG | DOUBLE HUNG |
| TAG | A | B | C | D |

| | | | | | |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| ELEVATION-FRONT VIEW | | | | | |
| STYLE | SINGLE-HINGED | SINGLE-HINGED | SINGLE-HINGED | DOUBLE-HINGED | DOUBLE-HINGED |
| TAG | U4 | U5 | U6 | U7 | U8 |

| | | | | |
|----------------------|-------------|----------|----------|----------|
| ELEVATION-FRONT VIEW | | | | |
| STYLE | DOUBLE HUNG | CASEMENT | CASEMENT | CASEMENT |
| TAG | E | F | G | H |

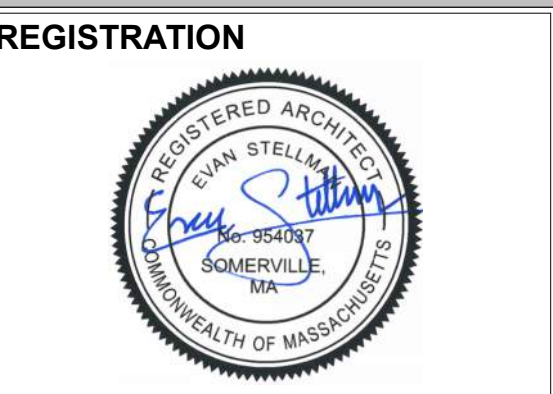
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|----------------------|---------------|-----------------|-----------------|
| ELEVATION-FRONT VIEW | | | |
| STYLE | DOUBLE-HINGED | DOUBLE - HINGED | DOUBLE - HINGED |
| TAG | U9 | U10 | U11 |

| | | | |
|----------------------|----------|----------|-------|
| ELEVATION-FRONT VIEW | | | |
| STYLE | CASEMENT | CASEMENT | FIXED |
| TAG | I | J | K |

DOOR NOTES:

- OWNER TO SELECT HARDWARE AND FINISHES.
- ALL GLASS DOORS TO BE TEMPERED.

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 Checked by: Checker
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REVISIONS

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DOOR & WINDOW SCHEDULE

A-900

10-12 CORINTHIAN RESIDENCES

PROJECT NAME

10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
**10-12 CORINTHIAN ROAD
SOMERVILLE, MA**

CLIENT

ARCHITECT



ARCHITECTURE

Khalsa Design, Inc.
17 IVALOO STREET SUITE 400
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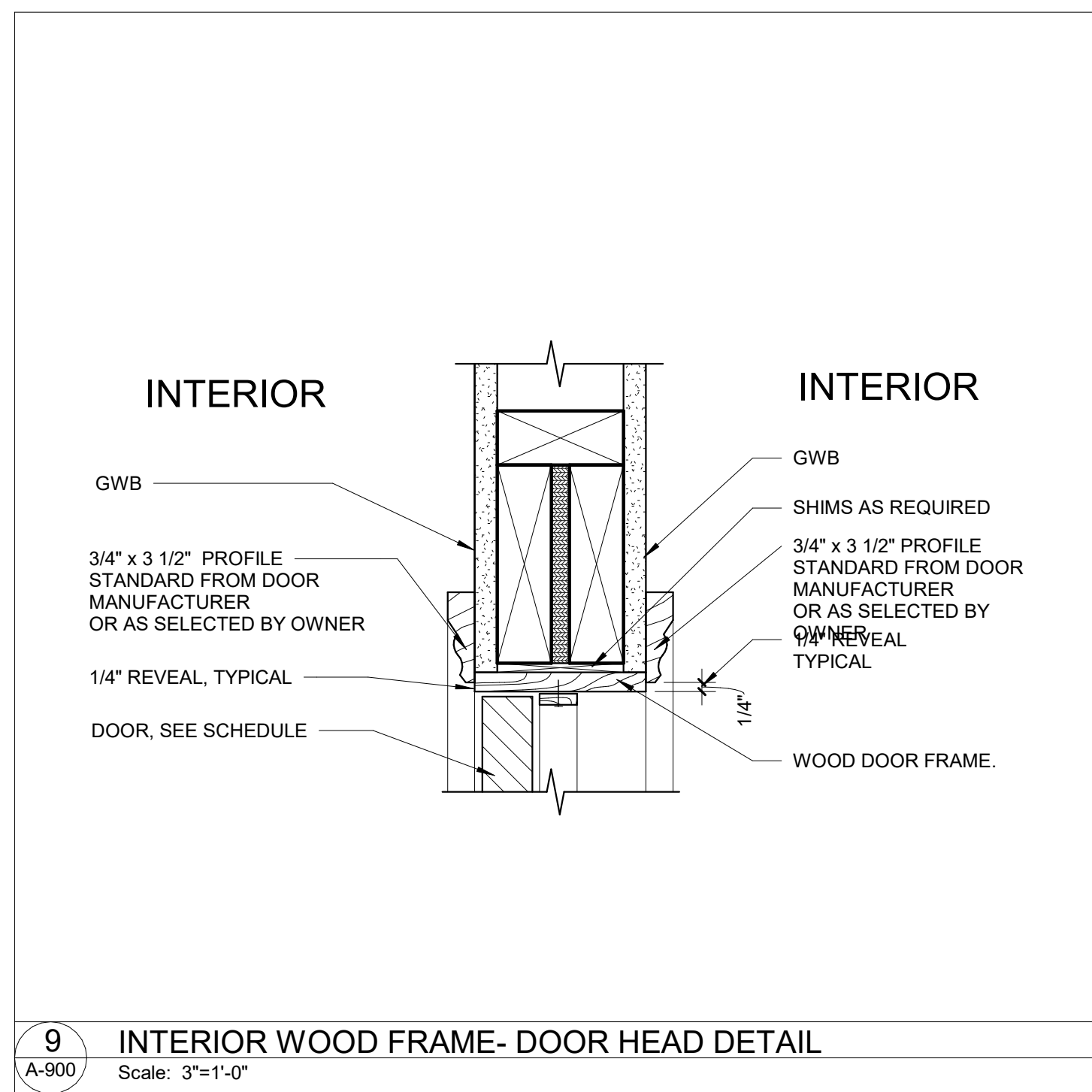
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DOOR, WINDOW & FINISH FLOOR DETAILS

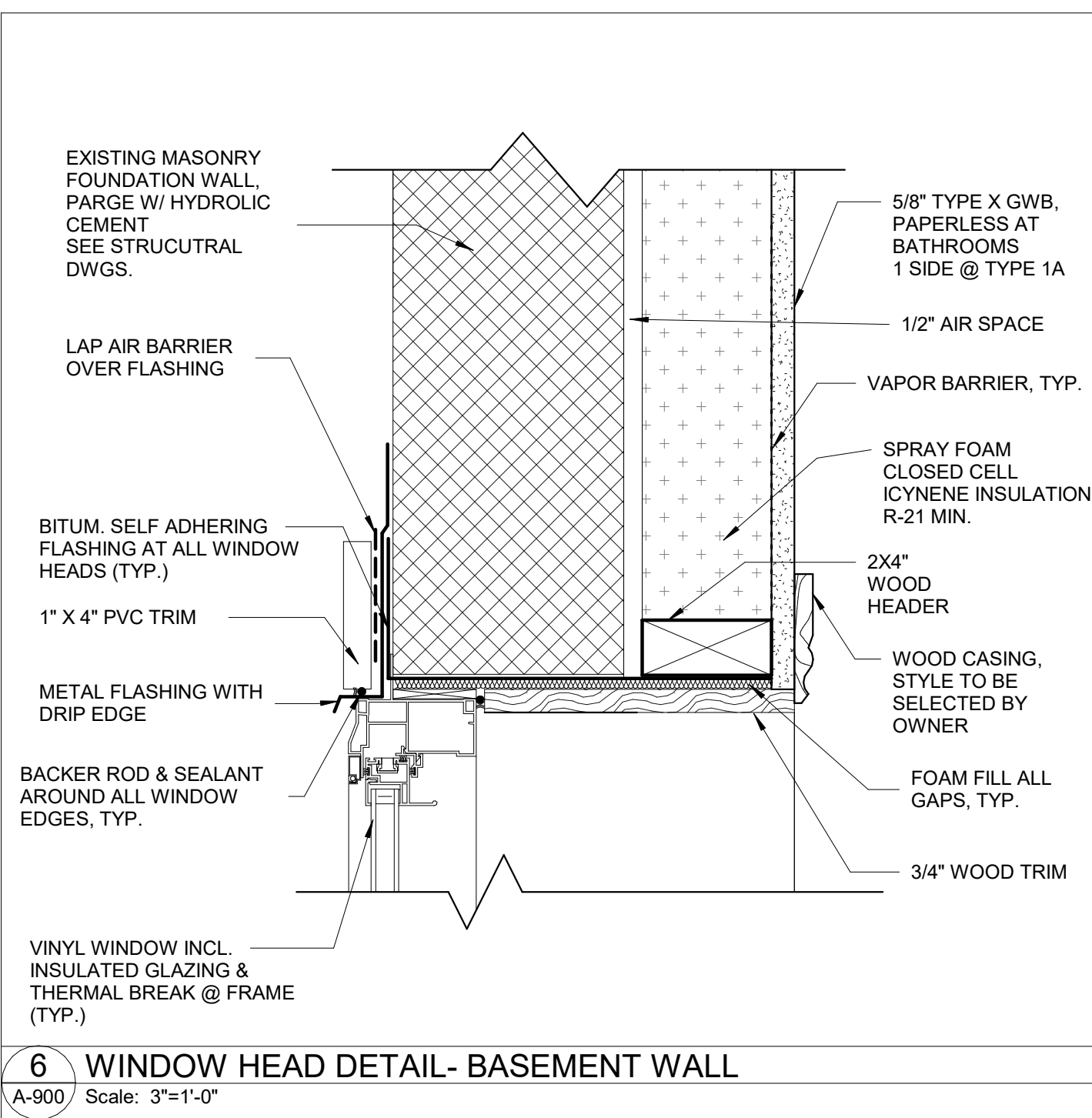
A-901

10-12 CORINTHIAN RESIDENCES



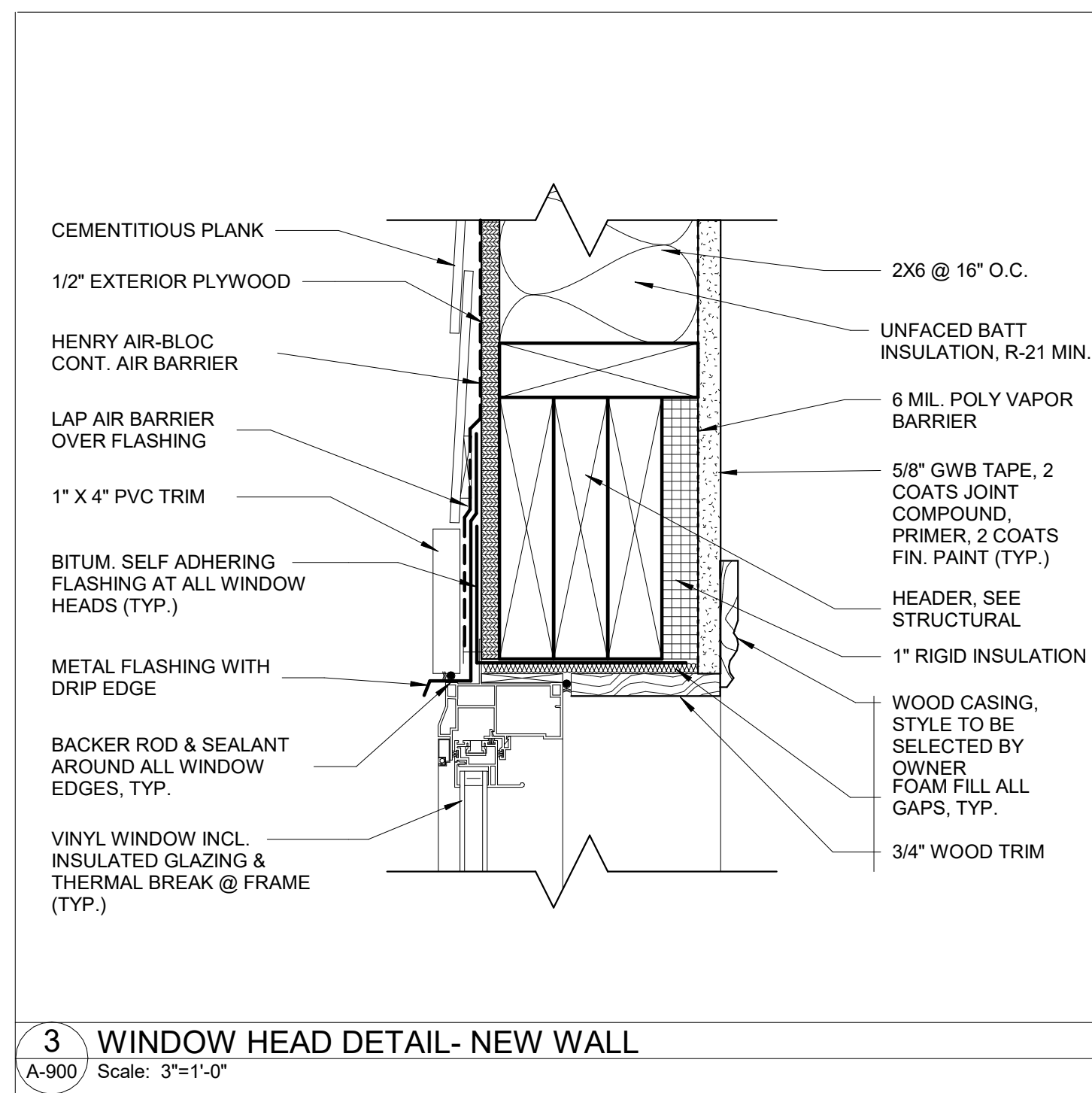
9 INTERIOR WOOD FRAME- DOOR HEAD DETAIL

A-900 Scale: 3"=1'-0"



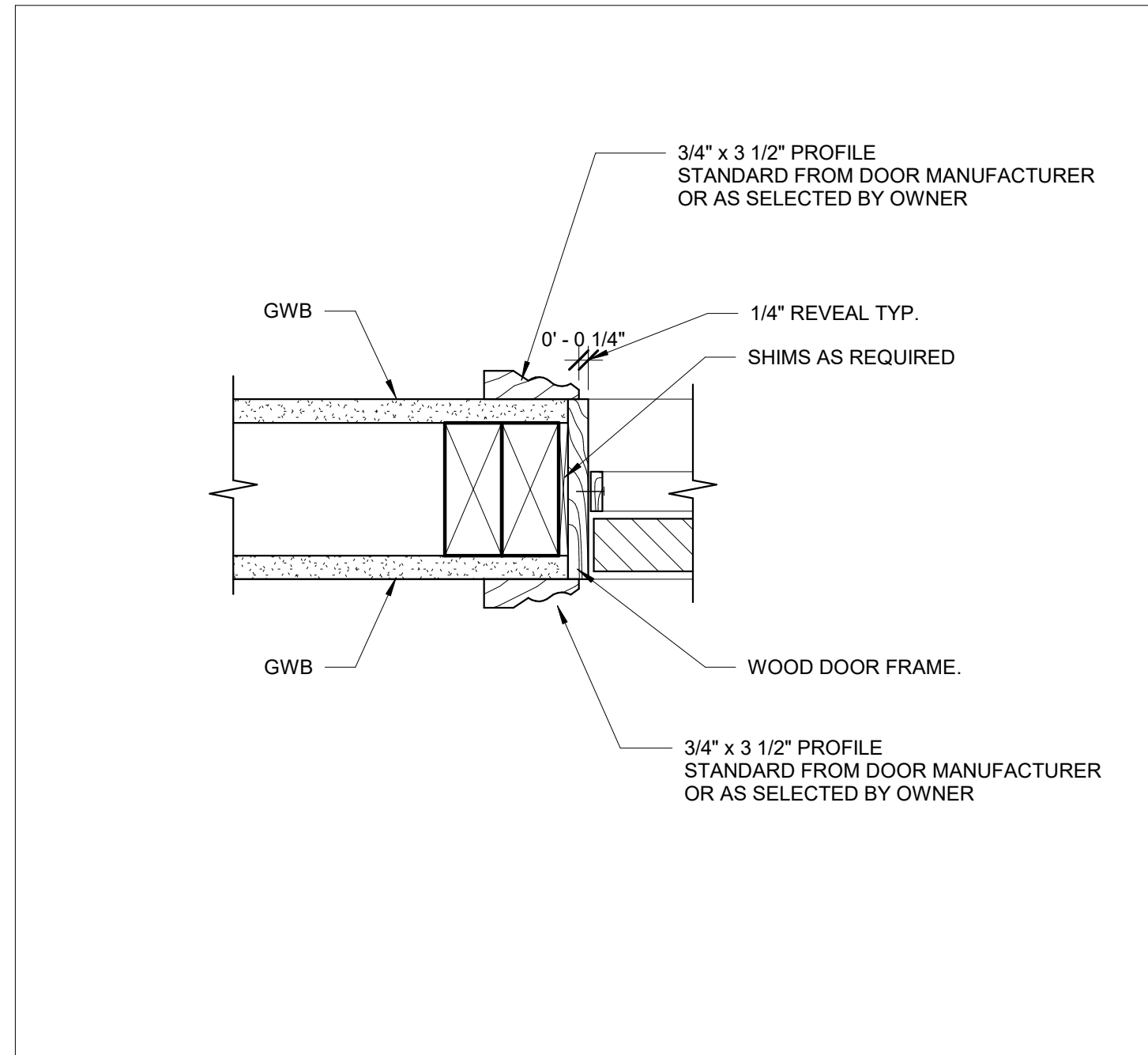
6 WINDOW HEAD DETAIL- BASEMENT WALL

A-900 Scale: 3"=1'-0"



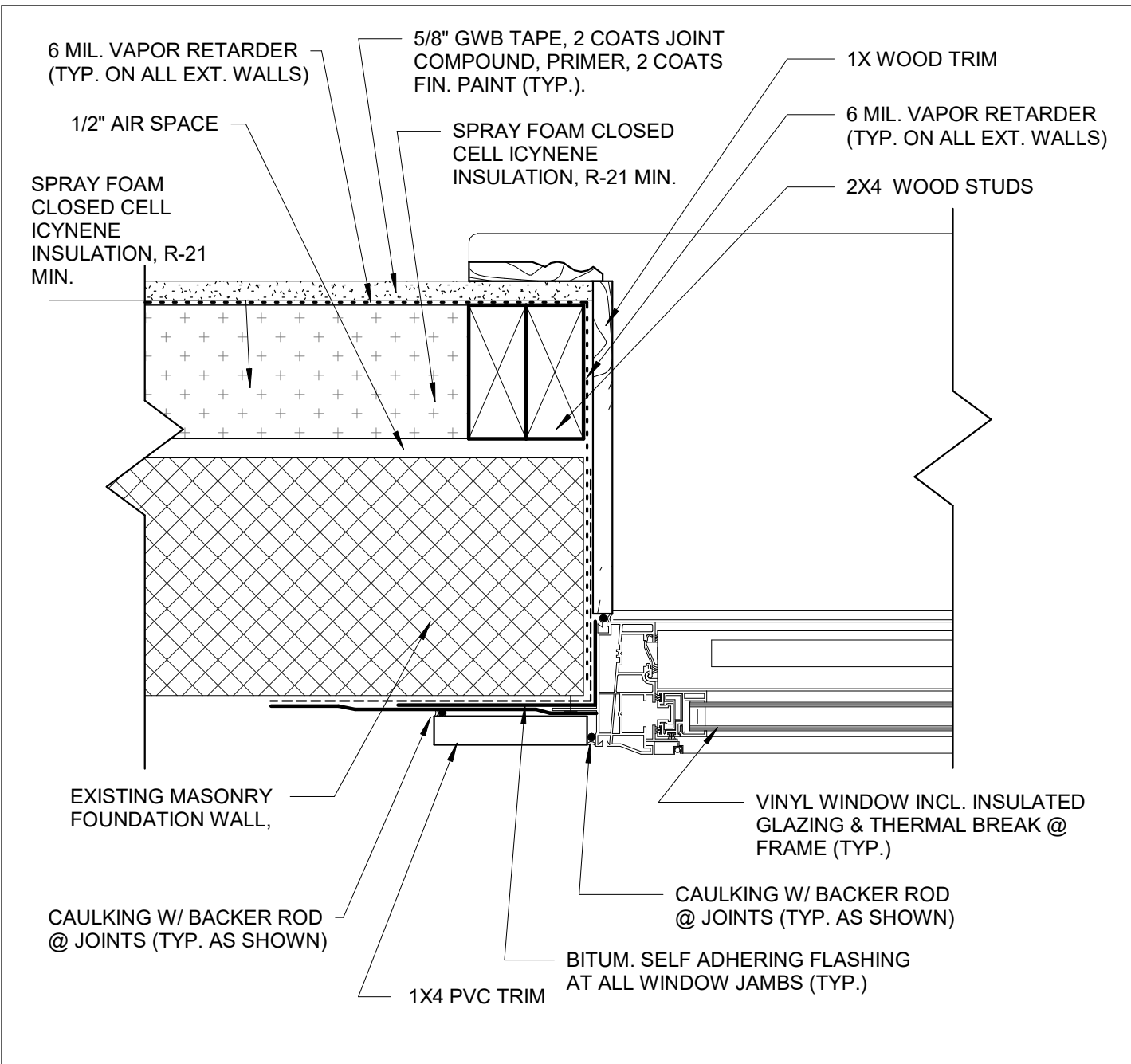
3 WINDOW HEAD DETAIL- NEW WALL

A-900 Scale: 3"=1'-0"



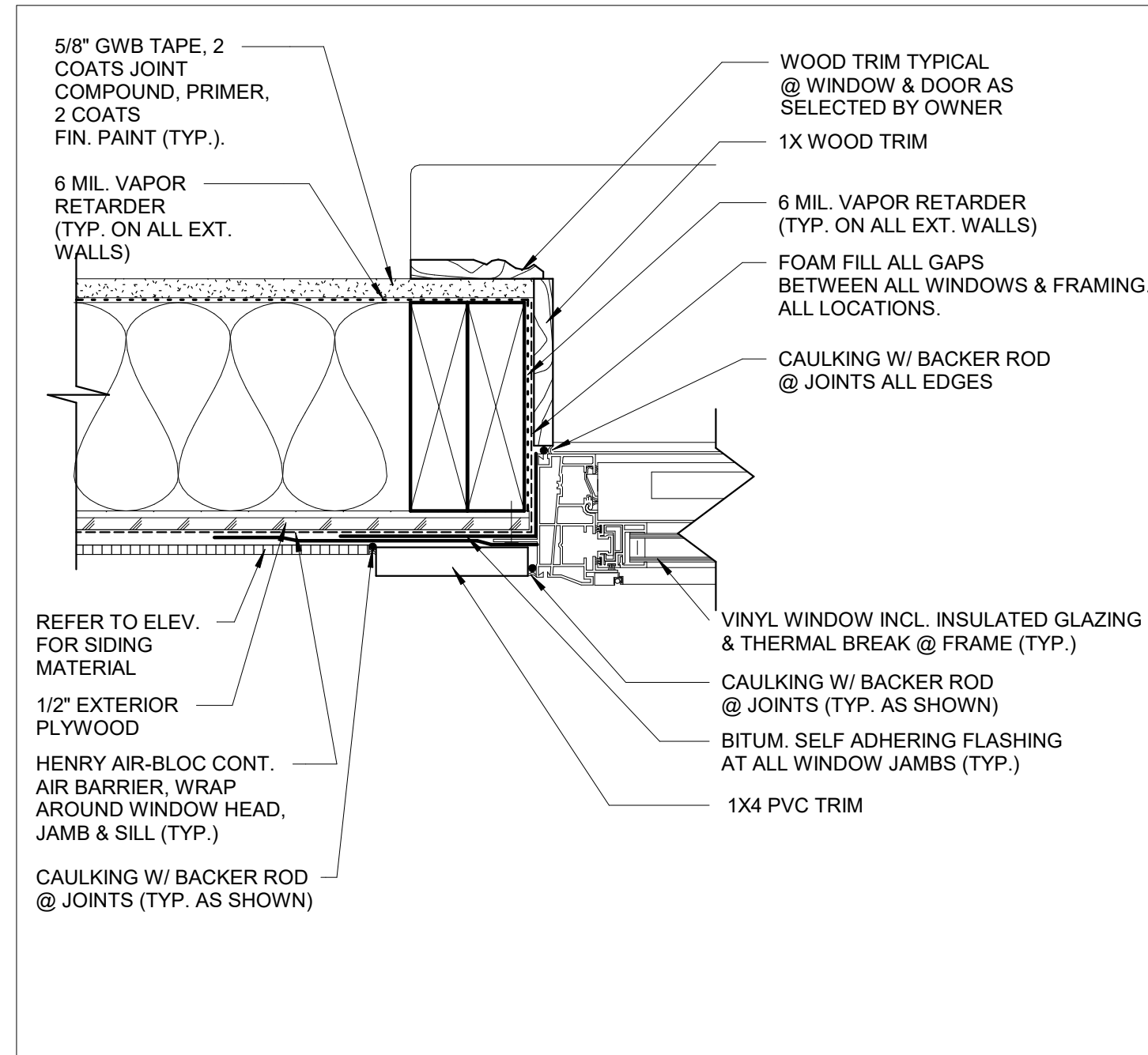
8 INTERIOR WOOD FRAME- DOOR JAMB DETAIL

A-900 Scale: 3"=1'-0"



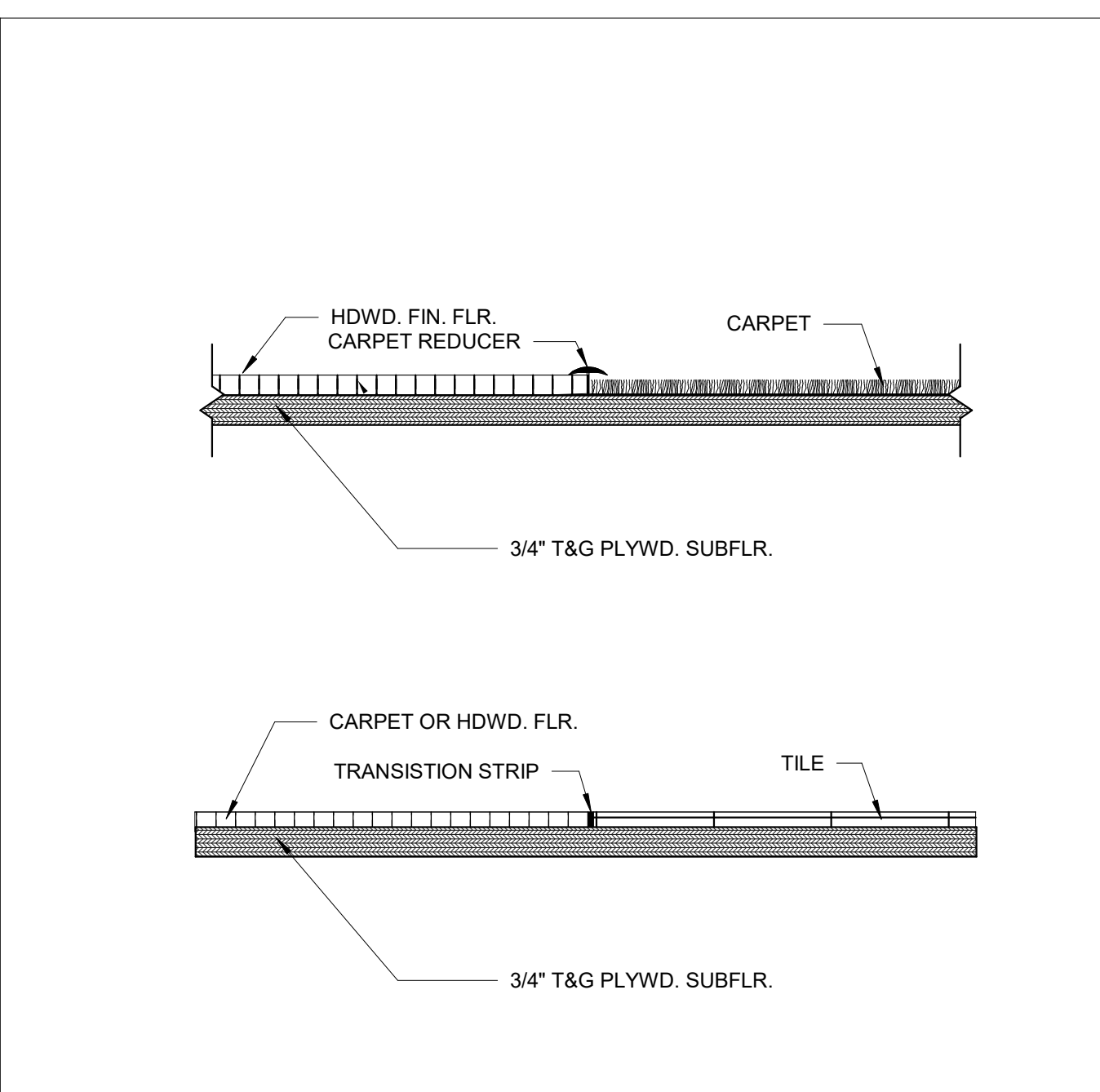
5 WINDOW JAMB DETAIL- BASEMENT WALL

A-900 Scale: 3"=1'-0"



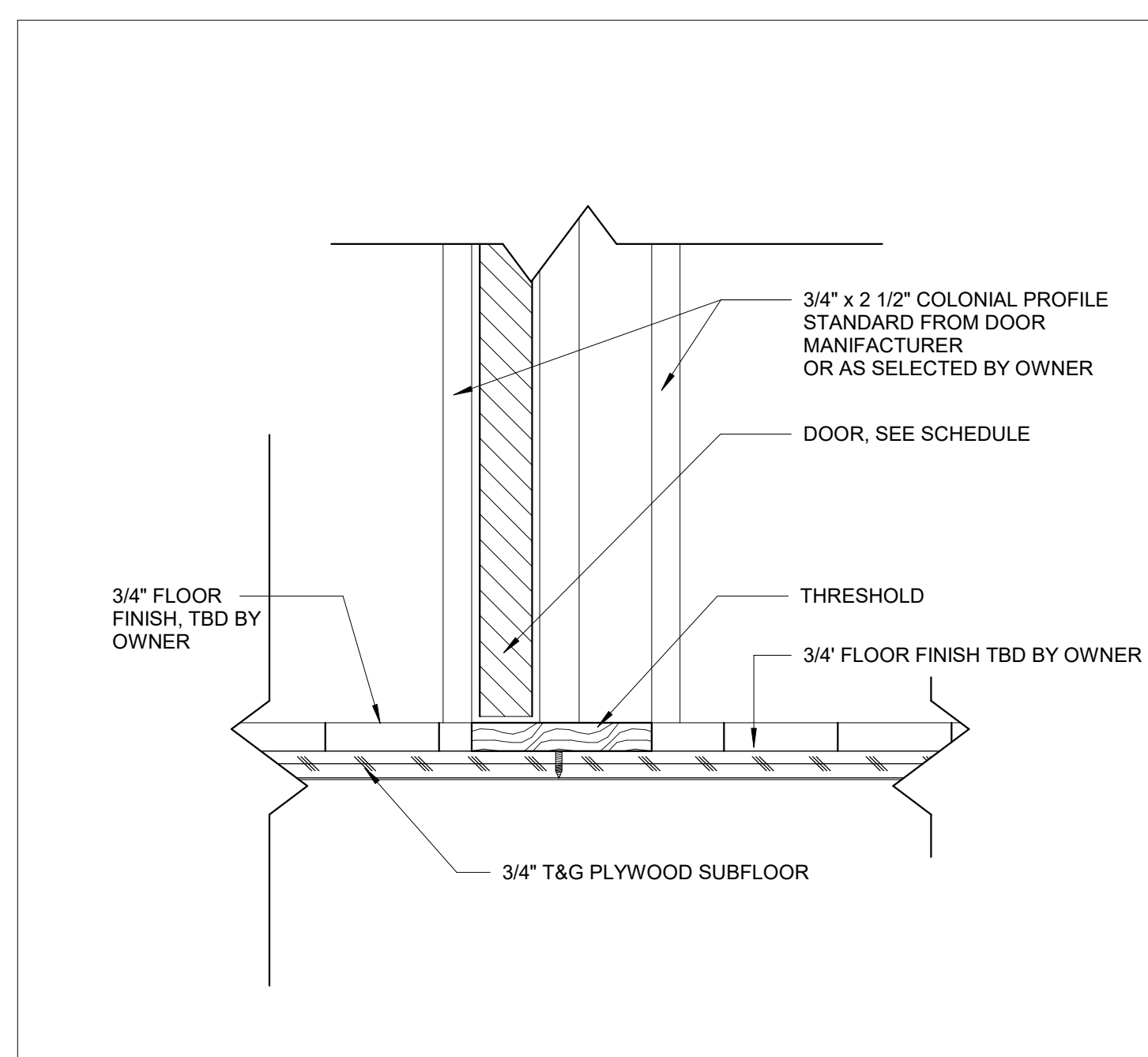
2 WINDOW JAMB DETAIL- NEW WALL

A-900 Scale: 3"=1'-0"



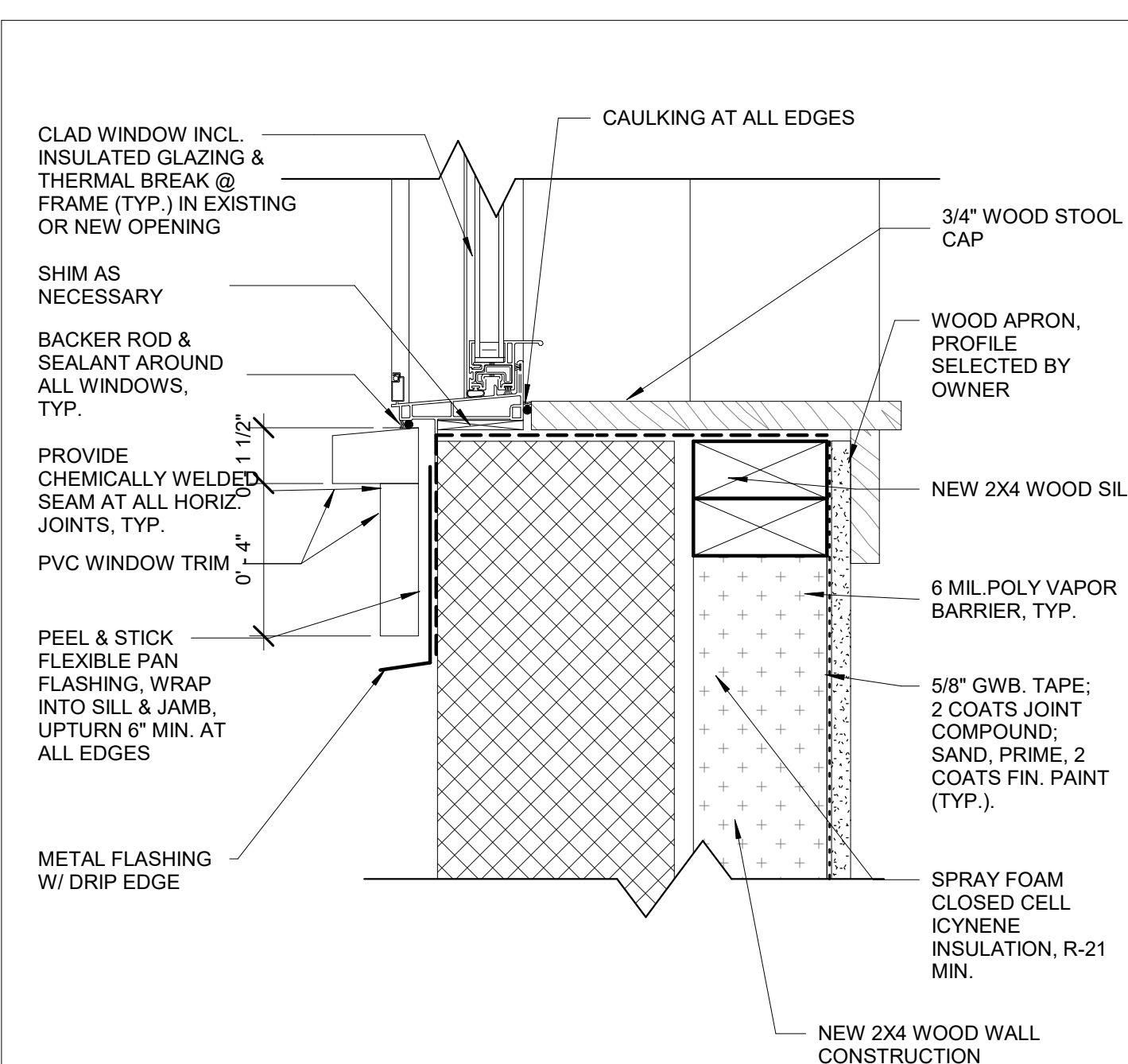
10 FINISH FLOOR DETAILS

A-900 Scale: 3"=1'-0"



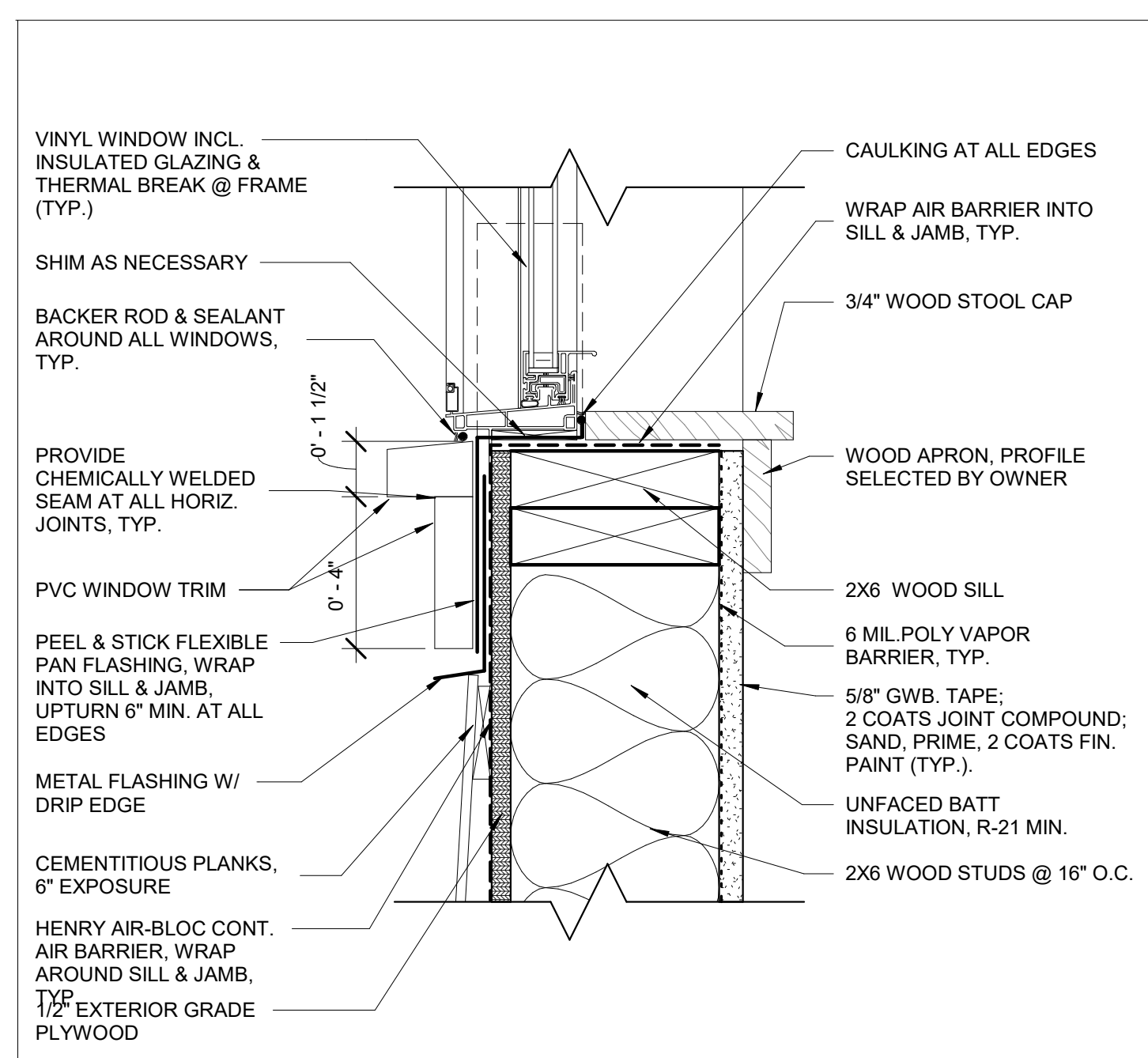
7 INTERIOR WOOD FRAME- DOOR THRESHOLD DETAIL

A-900 Scale: 3"=1'-0"



4 WINDOW SILL DETAIL- BASEMENT WALL

A-900 Scale: 3"=1'-0"



1 WINDOW SILL DETAIL- NEW WALL

A-900 Scale: 3"=1'-0"

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PROJECT NAME
10-12 CORINTHIAN RESIDENCES

PROJECT ADDRESS
10-12 CORINTHIAN ROAD
SOMERVILLE, MA

CLIENT

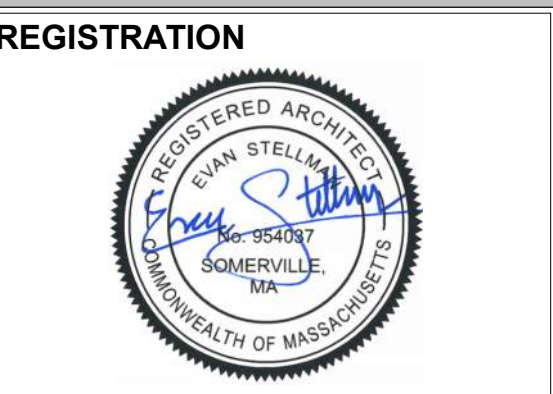
ARCHITECT



ARCHITECT
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 SOMERVILLE, MA 02143
 TELEPHONE: 617-591-8682

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| Date | 04/28/2025 |
| Drawn by | YD |
| Checked by | JSK |
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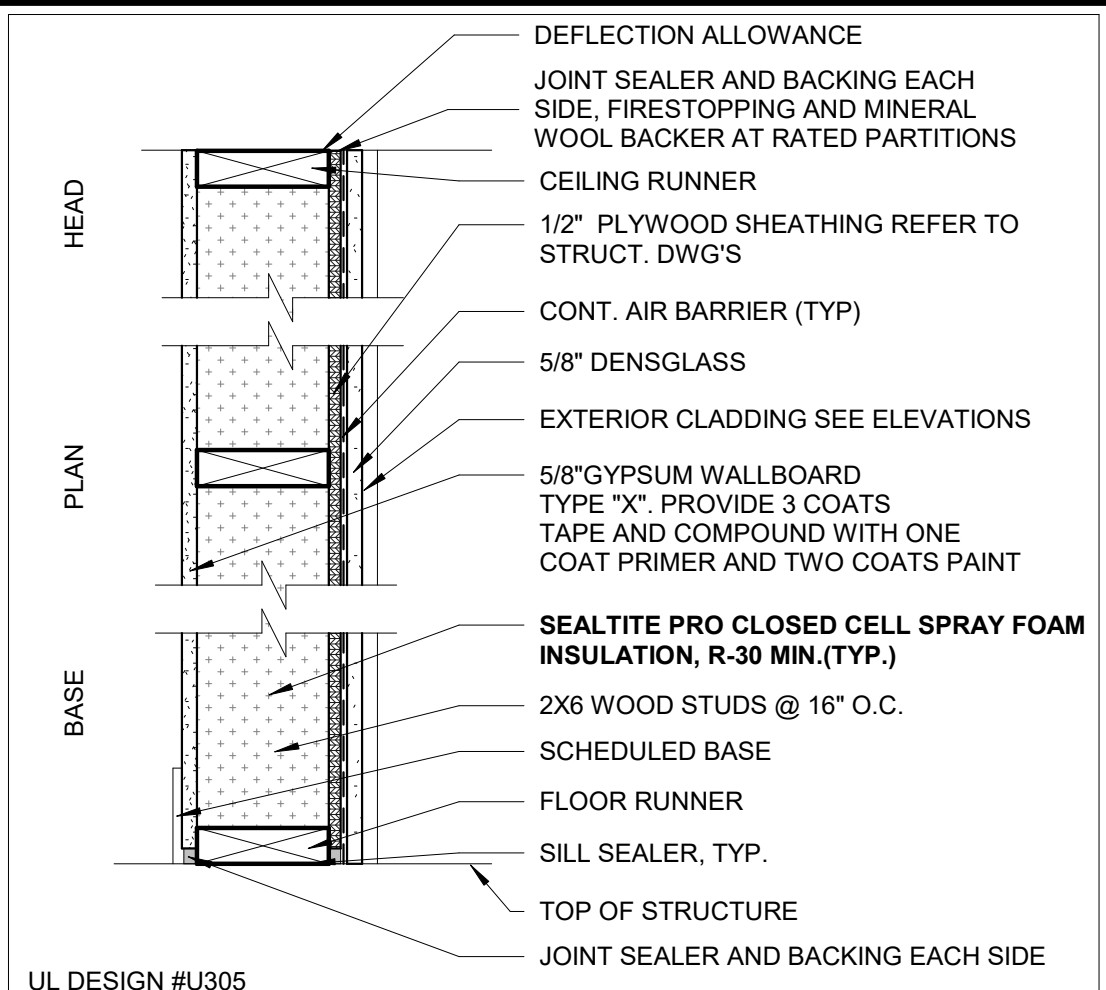
REVISIONS

| No. | Description | Date |
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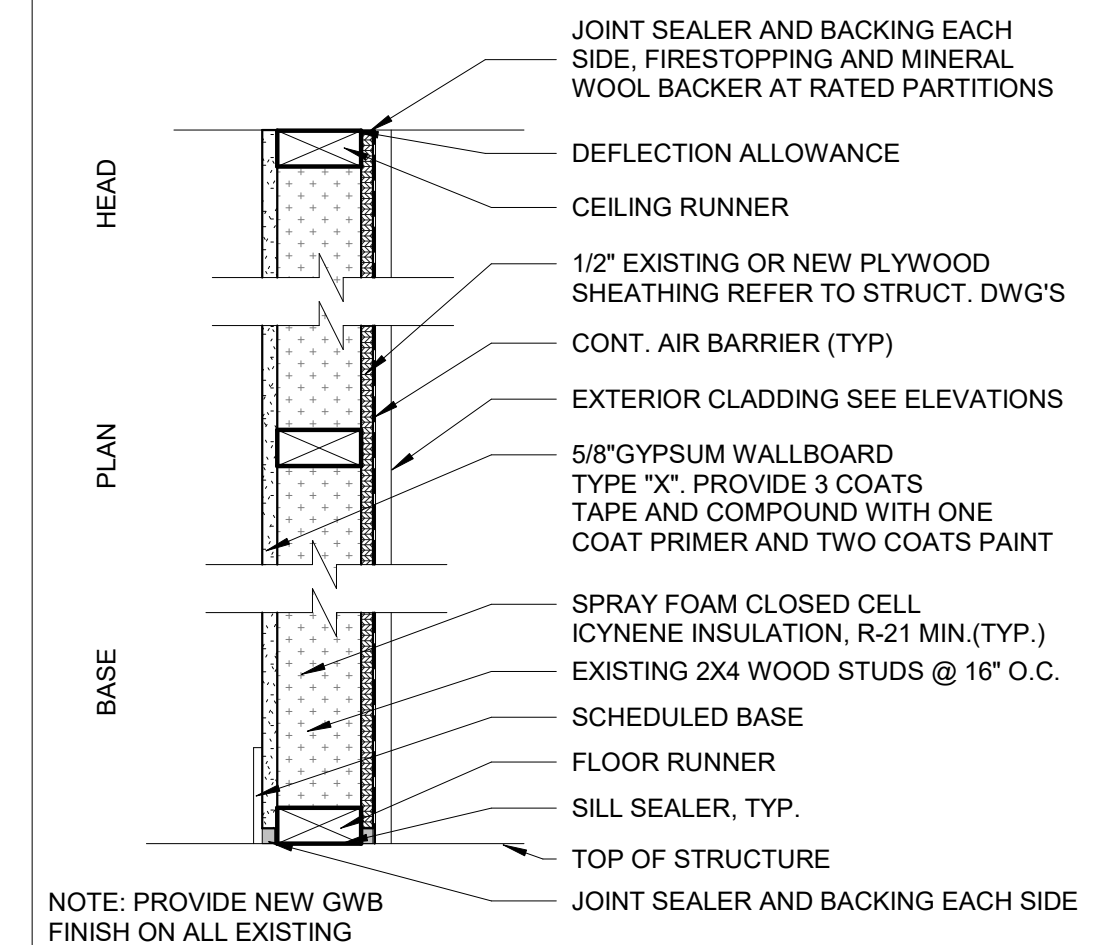
PARTITION TYPES

A-910

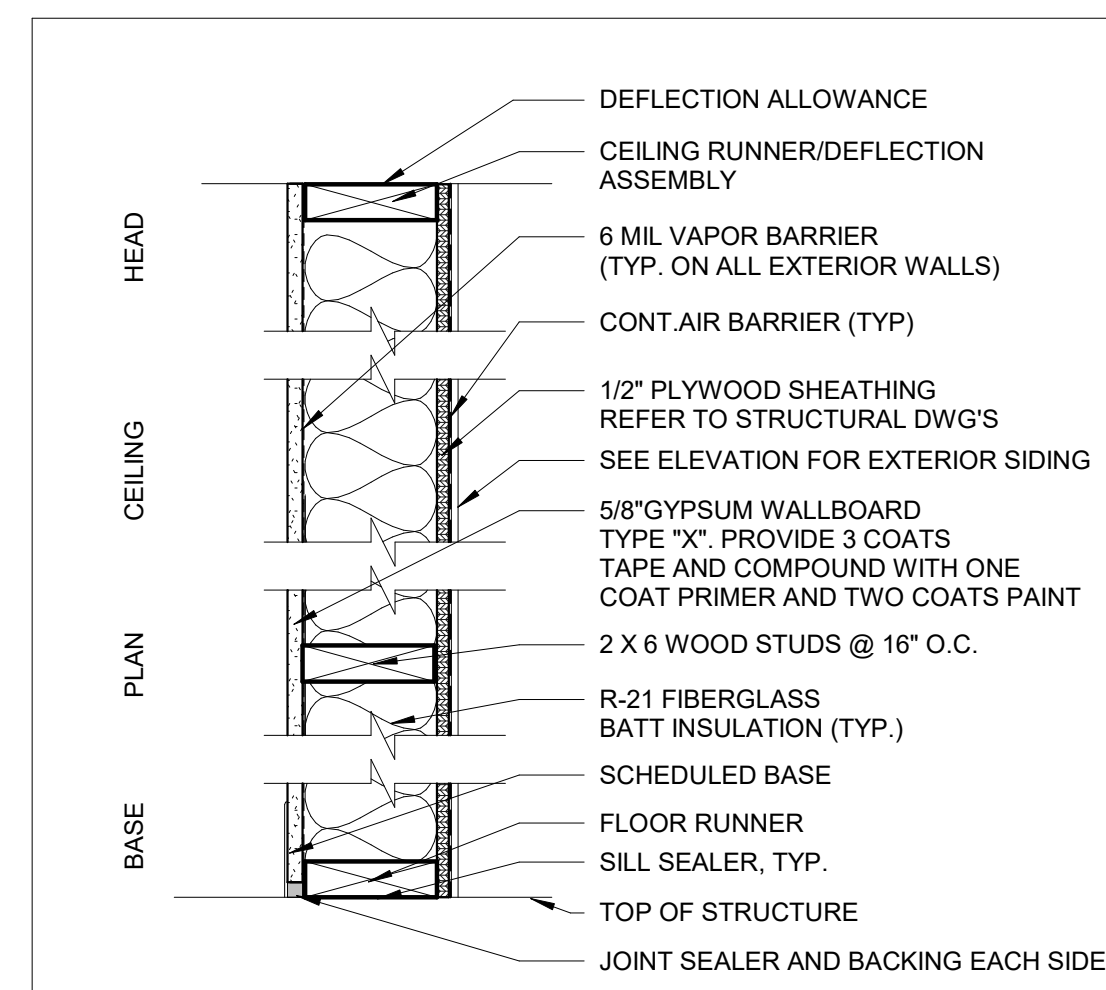
10-12 CORINTHIAN RESIDENCES



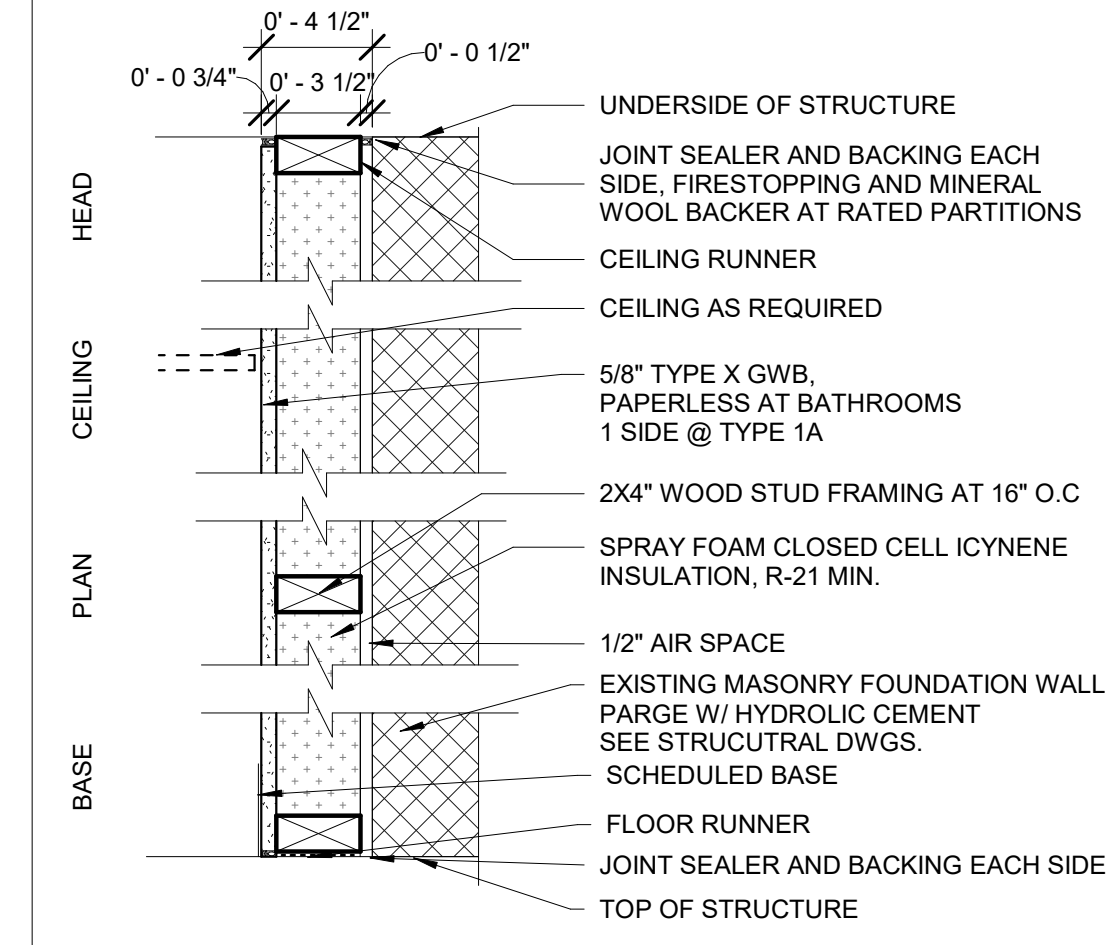
7 EXTERIOR WALL TYPE- 1 HOUR FIRE RATED
 SCALE: 1-1/2" = 1'-0"



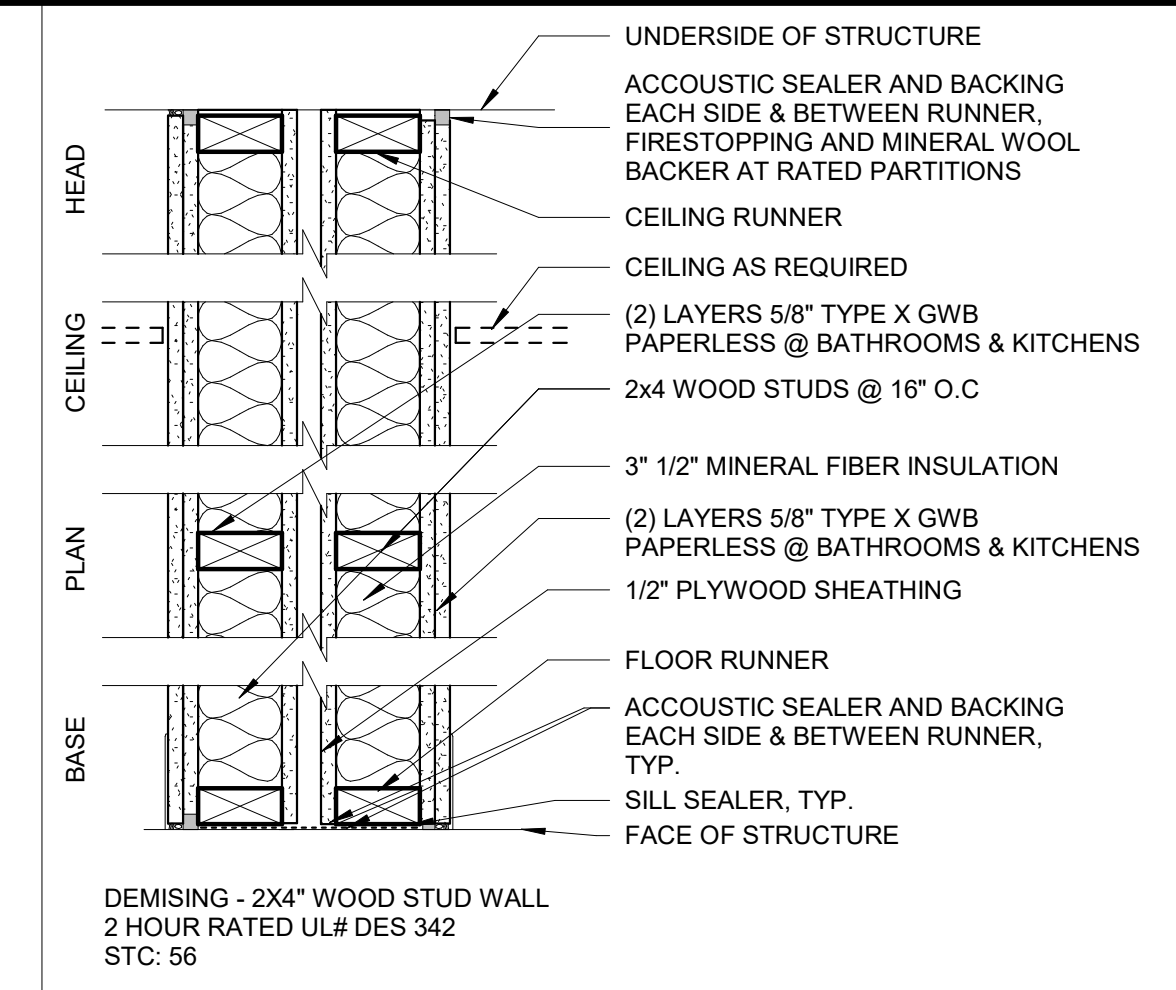
6 EXTERIOR WALL TYPE- EXISTING WALL
 SCALE: 1-1/2" = 1'-0"



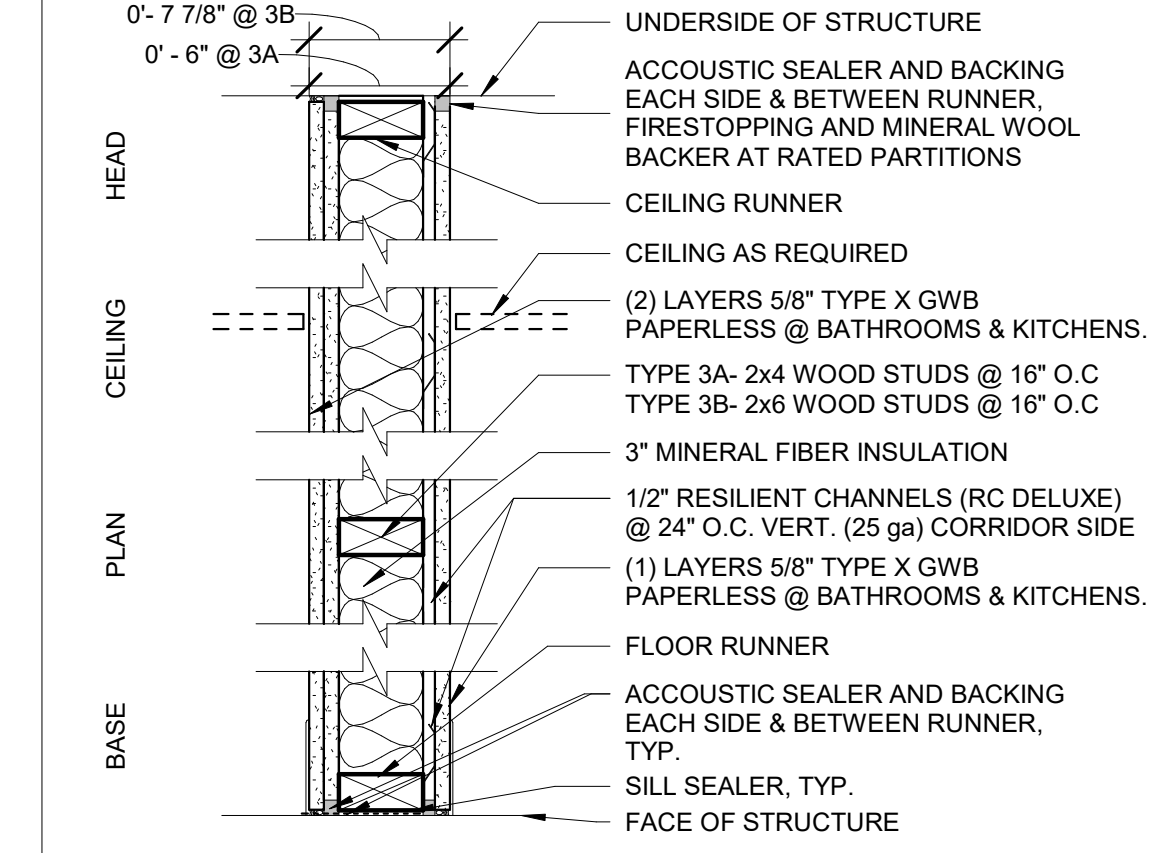
5 EXTERIOR WALL TYPE- NEW WALL
 SCALE: 1-1/2" = 1'-0"



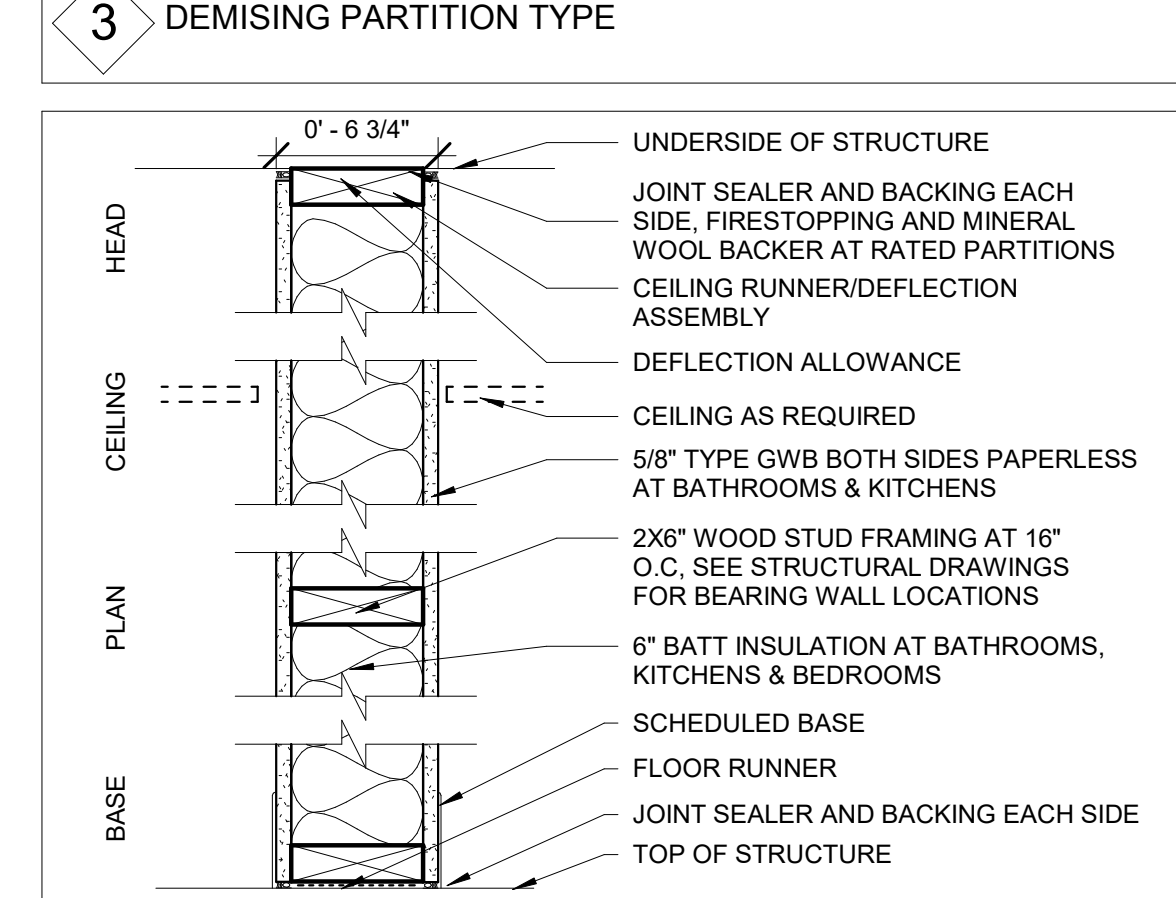
4 FURRED MASONRY WALL
 SCALE: 1-1/2" = 1'-0"



3C PARTY WALL TYPE

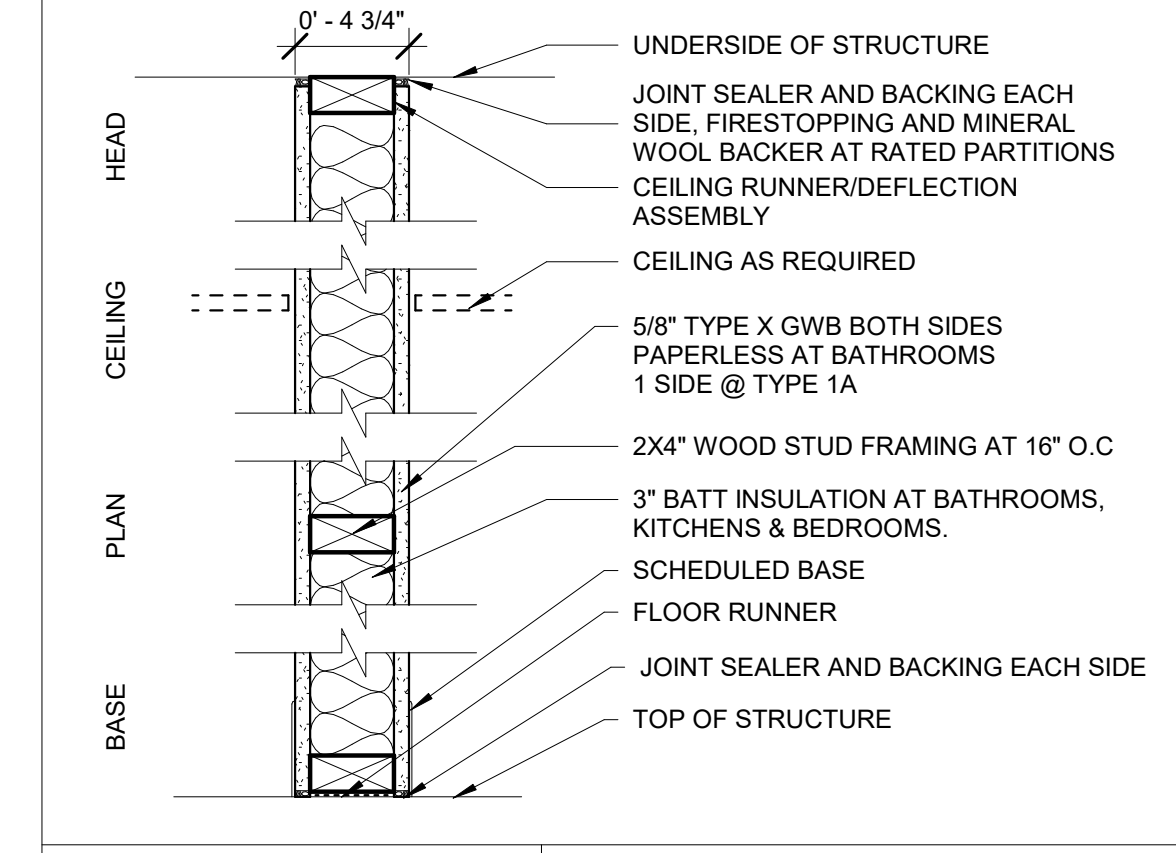


3A DEMISING - 2X4\"/>



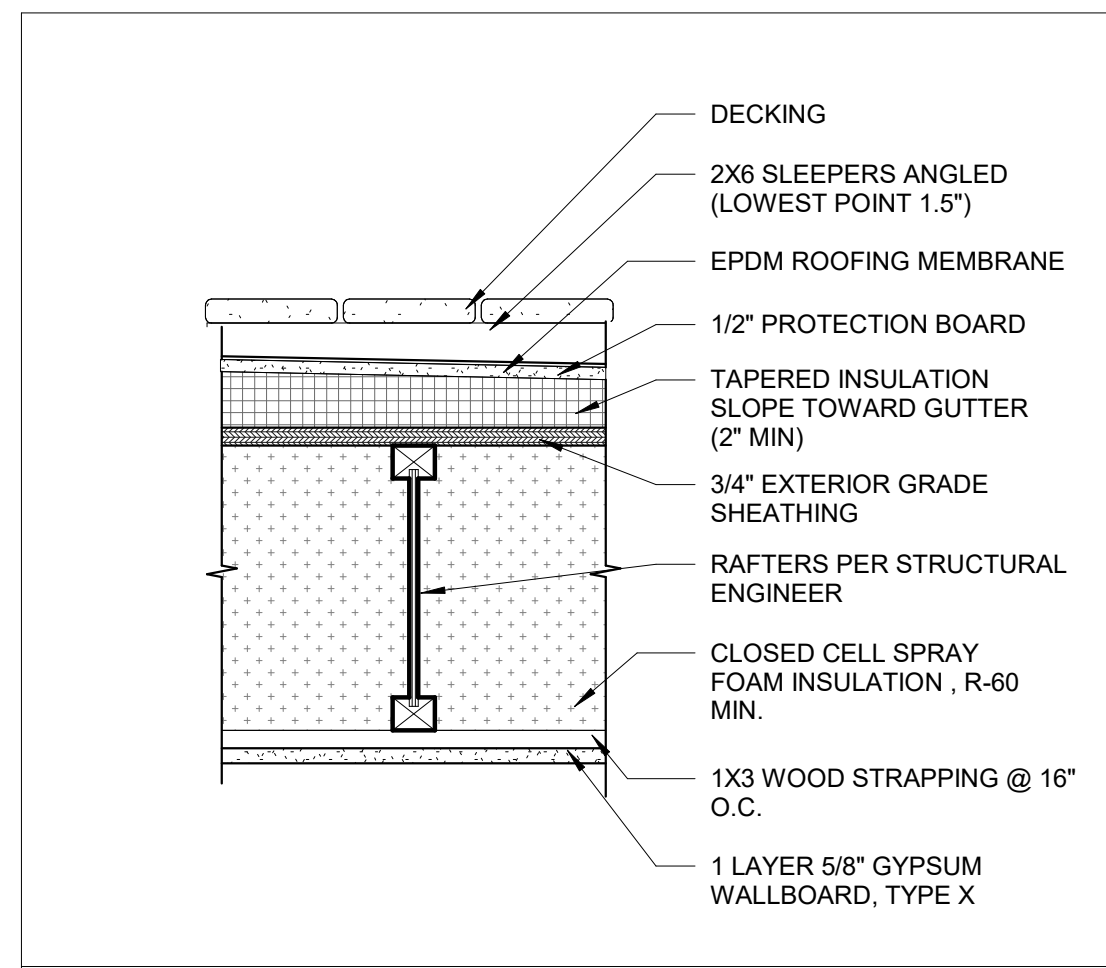
3B DEMISING - 2X6\"/>

3 DEMISING PARTITION TYPE

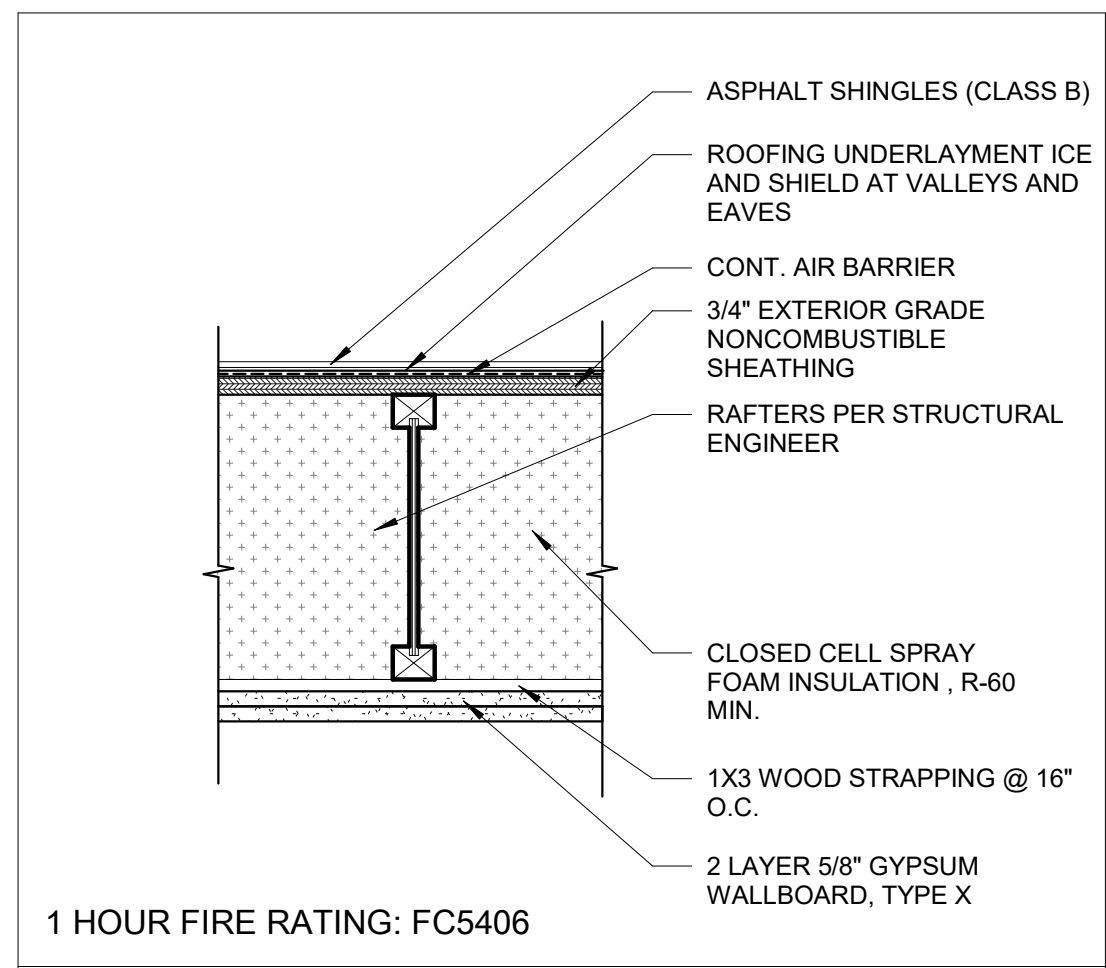


2 6\"/>

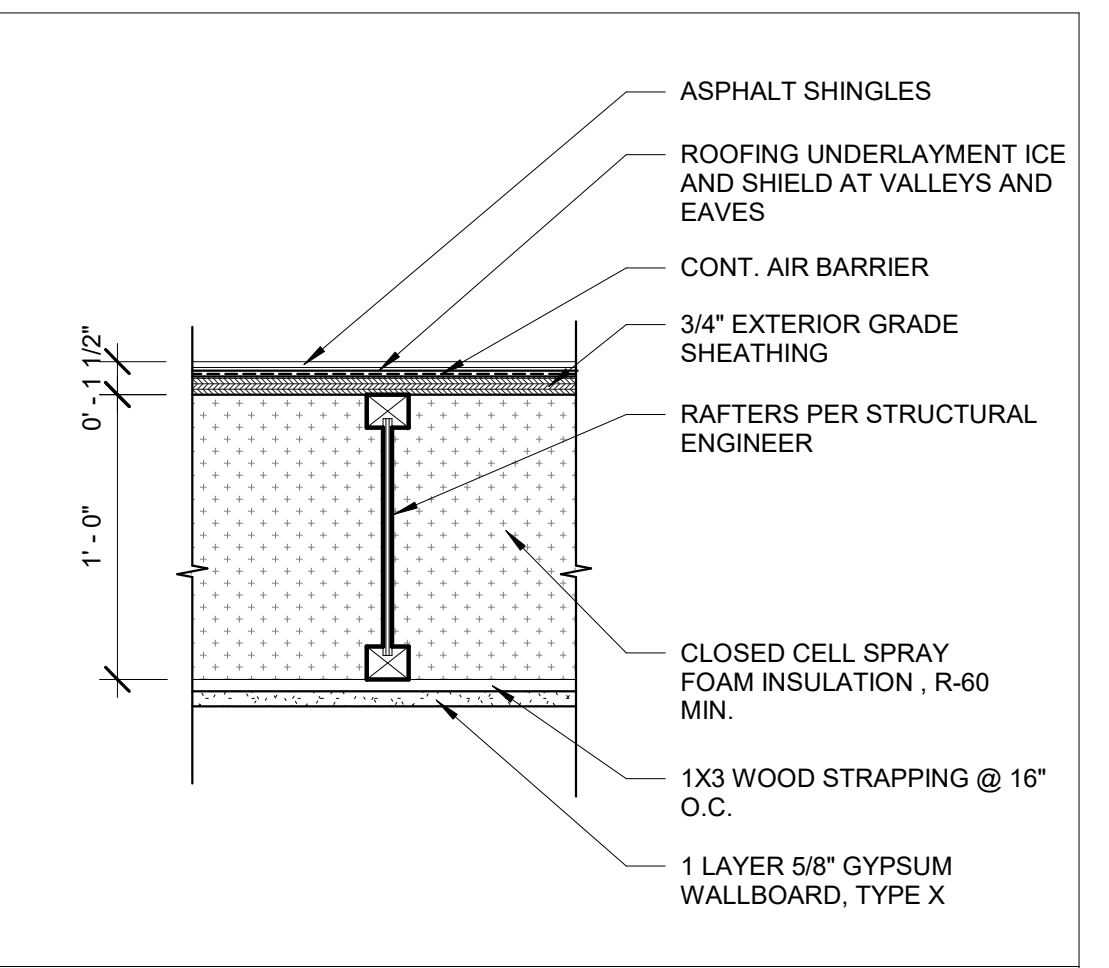
1 TYPICAL 2X4\"/>



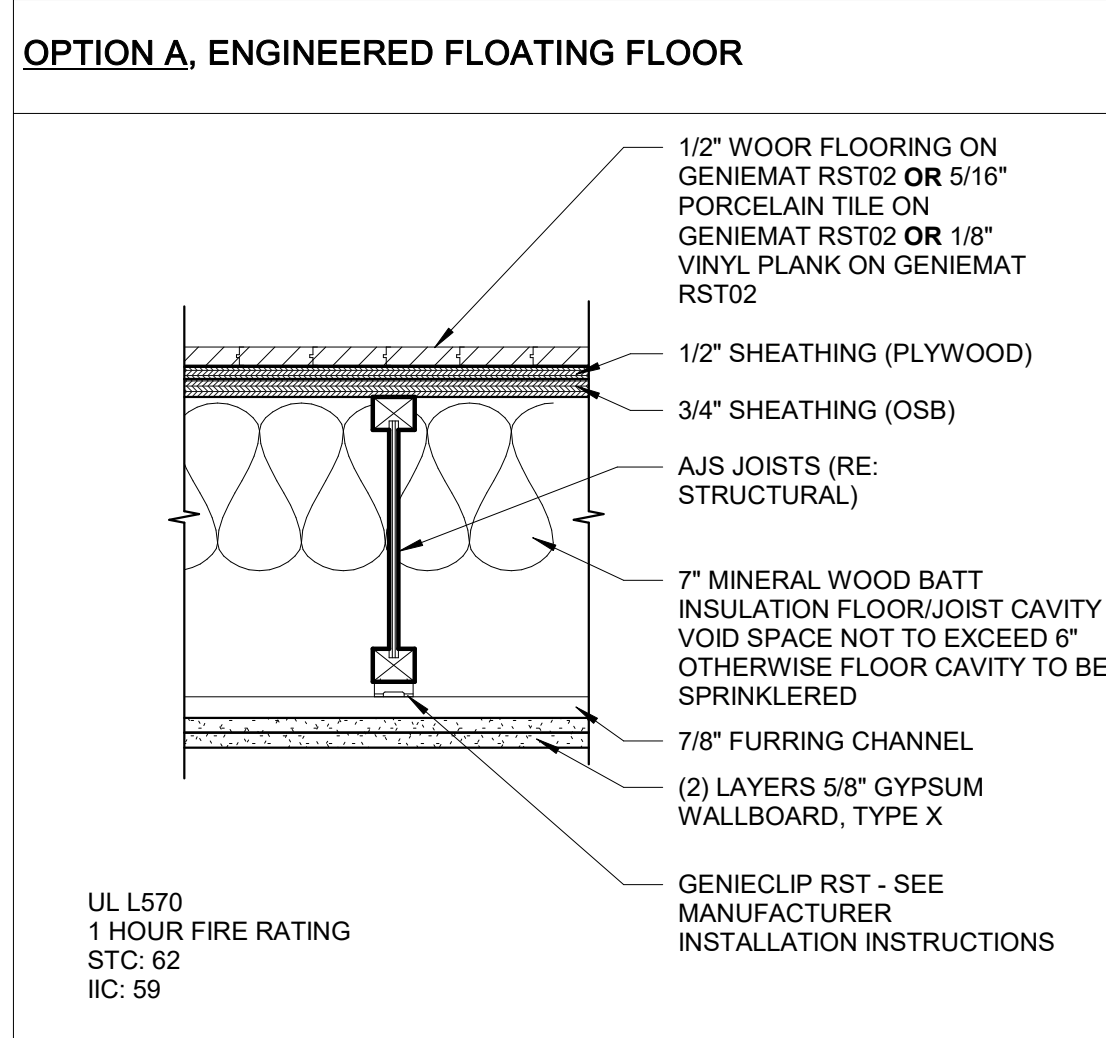
R3 NEW ROOF/DECK ASSEMBLY
 SCALE: 1-1/2" = 1'-0"



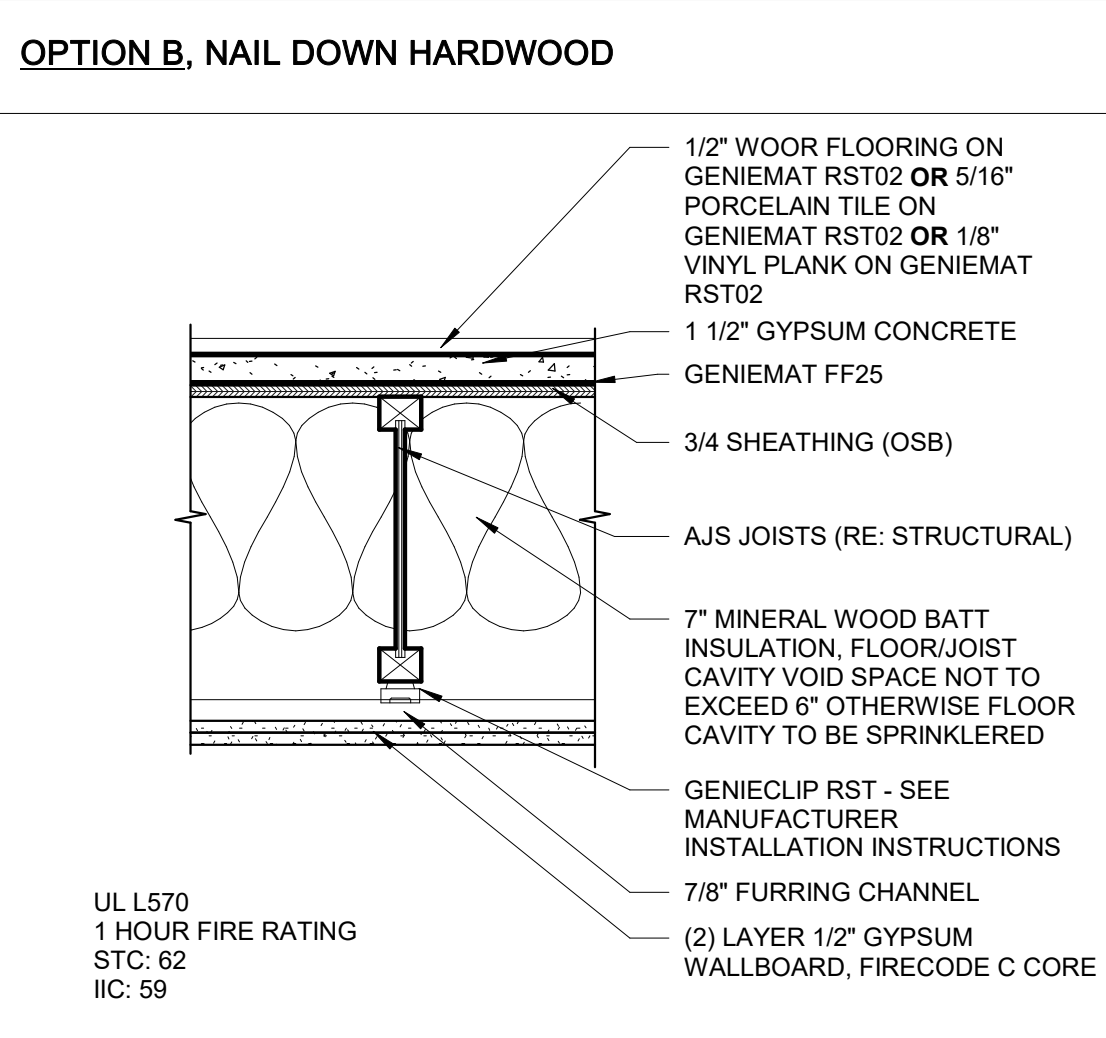
R2 FIRE RATED NEW ROOF/CEILING ASSEMBLY
 SCALE: 1-1/2" = 1'-0"



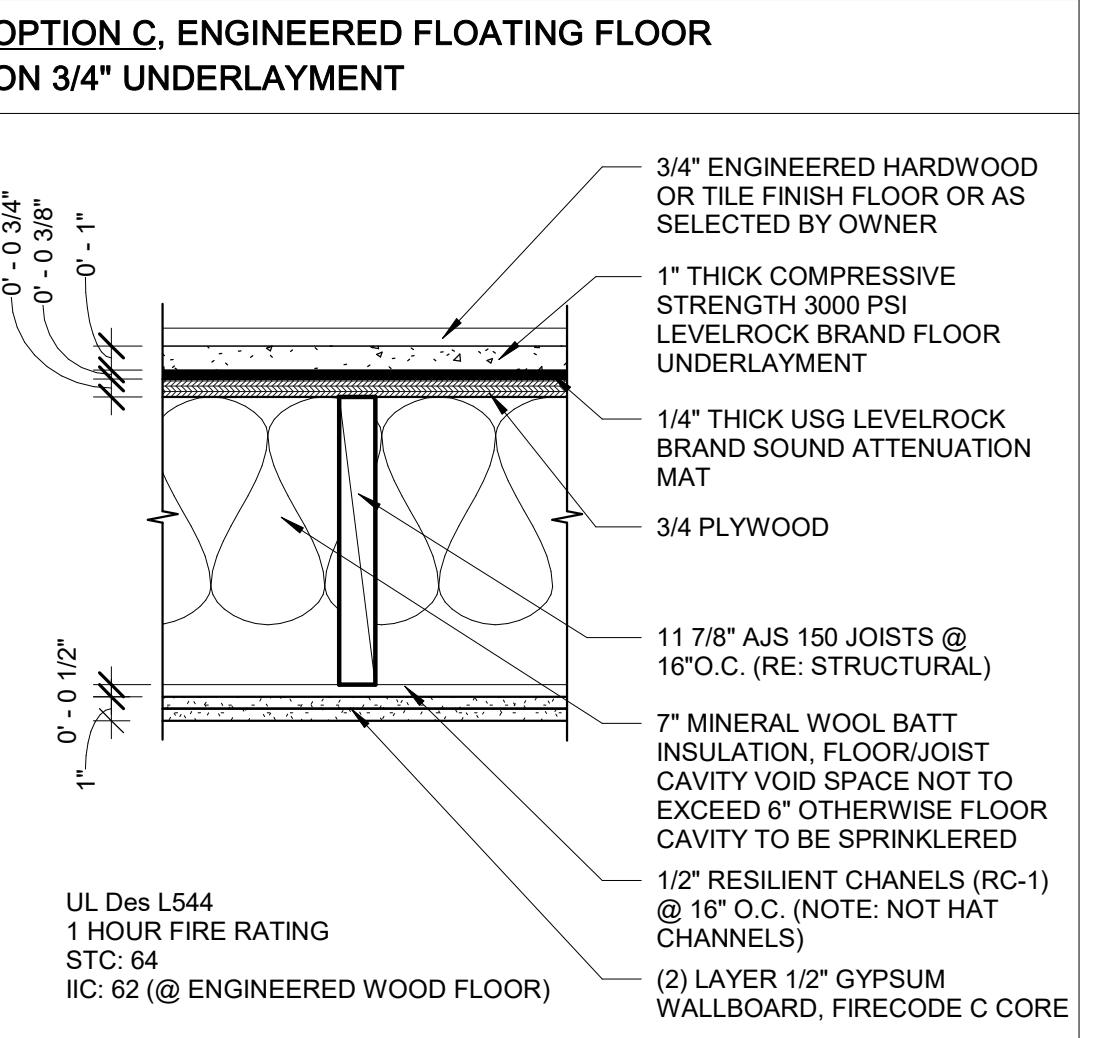
R1 NEW ROOF/CEILING ASSEMBLY
 SCALE: 1-1/2" = 1'-0"



F2 1 HOUR RATED FLOOR/CEILING ASSEMBLY
 SCALE: 1-1/2" = 1'-0"

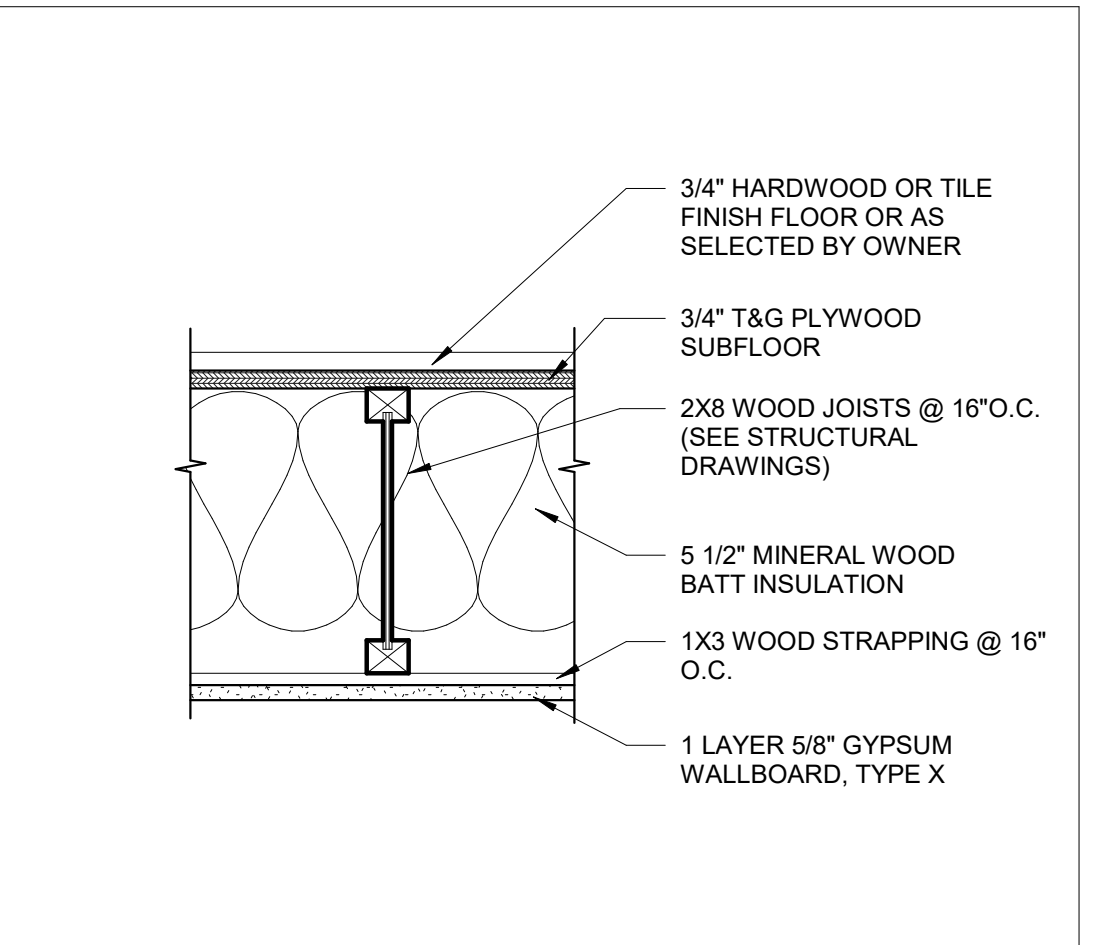


F2 1 HOUR RATED FLOOR/CEILING ASSEMBLY
 SCALE: 1-1/2" = 1'-0"



F2 1 HOUR RATED FLOOR/CEILING ASSEMBLY
 SCALE: 1-1/2" = 1'-0"

PARTITION F2 NOTE: THREE OPTIONS TO ACHIEVE REQUIRED ACOUSTICAL RATING PROVIDED BELOW. CONTRACTOR TO DISCUSS SELECTED OPTION WITH ARCHITECT PRIOR TO CONSTRUCTION. SELECTED OPTION WILL EFFECT FINISHED FLOOR HEIGHT AND STAIR CONSTRUCTION.



F1 NEW FLOOR/CEILING ASSEMBLY BETWEEN SAME DWELLING UNITS
 SCALE: 1-1/2" = 1'-0"

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DESIGN LOADS PER MASSACHUSETTS STATE BUILDING CODE

LIVE LOADS

Table with 2 columns: Description (e.g., Flat roof snow load, sleeping areas, common corridors) and Load (e.g., 40 psf, 100 psf).

WIND LOADS

MASSACHUSETTS STATE BUILDING CODE 127 MPH, EXPOSURE B

DEAD LOAD

WEIGHT OF MATERIALS AND CONSTRUCTION

THESE STRUCTURAL PLANS HAVE BEEN DESIGNED TAKING IN ACCORDANCE WITH ALL APPLICABLE CODES REGULATIONS AND TAKES INTO CONSIDERATION ALL DEAD, LIVE, SNOW, WIND, ROOF PONDING AND SEISMIC LOADS, AS WELL AS ALL LOAD COMBINATIONS (PER SECTIONS 1604-1613 OF THE 2015 INTERNATIONAL BUILDING CODE

GENERAL CONDITIONS

- 1. ALL STRUCTURAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST ADICTION OF THE MASSACHUSETTS STATE BUILDING CODE AND THE INTERNATIONAL BUILDING CODE.
2. CONTRACTOR SHALL BUILD EXACTLY WHAT IS SHOWN ON STRUCTURAL DRAWINGS. ANY PROPOSED DEPARTURES FROM WHAT IS INDICATED MUST BE REVIEWED AND APPROVED WITH THE ENGINEER PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL SUBMIT CONSTRUCTION DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT AND IS ENTIRELY RESPONSIBLE FOR: COORDINATING THE WORK OF ALL TRADES, VERIFYING ALL THE PROPOSED AND EXISTING BUILDING AND SITE CONDITIONS, CONFIRMING ALL NEW AND EXISTING BUILDING DIMENSIONS, ELEVATIONS, AND MEASUREMENTS, FRAMING CONDITIONS, MEASUREMENTS AND ALL OTHER RELATED PROPOSED AND EXISTING BUILDING CONDITIONS.
4. ENGINEER'S DESIGN IS DERIVED FROM ASSUMED FIELD CONDITIONS. ANY DISCREPANCIES BETWEEN MUST IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO ANY CONSTRUCTION.
5. THE CONTRACTOR SHALL CAREFULLY VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF THE WORK, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ENGINEERING AND ARCHITECTURAL DOCUMENTS.
6. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. THE GENERAL CONTRACTOR SHALL EXAMINE THE STRUCTURAL AND MECHANICAL DRAWINGS FOR THE REQUIRED OPENINGS AND SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL CONTRACTOR. PROVIDING ALL OPENINGS REQUIRED BY THE MECHANICAL, ELECTRICAL, OR PLUMBING TRADES SHALL BE A PART OF THE GENERAL CONTRACT, WHETHER OR NOT SHOWN IN THE STRUCTURAL DRAWINGS. ANY DEVIATION FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR REVIEW.
7. SPECIAL DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPLICABLE TO ALL PARTS OF THE STRUCTURAL WORK UNLESS SPECIFICALLY NOTED OTHERWISE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF TEMPORARY SHORING, BRACING, OR OTHERWISE PROTECTING ANY PORTION OF THE STRUCTURE, SITE AND UTILITIES FROM DAMAGE DURING CONSTRUCTION. THE ENGINEER IS SPECIFYING THE FINISHED CONDITION ONLY, WITHOUT ASSUMING KNOWLEDGE NOR RESPONSIBILITY FOR HOW THE CONTRACTOR WILL ACHIEVE THIS RESULT.
9. FOR EXACT LOCATIONS OF FLOOR AND ROOF OPENINGS, POSTS, ETC., SEE ARCHITECTURAL DRAWINGS.
10. ALL SOIL PREPARATION AND SITE WORK FOR FOUNDATION SUBGRADE TO BE PER GEOTECHNICAL REPORT PROVIDED BY KMM GEOTECHNICAL CONSULTANTS LLC, DATED FEBRUARY 19, 2018. CONTRACTOR TO CONTACT KMM GEOTECHNICAL TO VERIFY SUBGRADE PRIOR TO INSTALLING FOOTING FORMWORK AND PRIOR TO PLACING SLAB ON GRADE.

FOUNDATIONS

- 1. EXCAVATE TO LINES AND GRADES REQUIRED TO PROPERLY INSTALL THE FOUNDATIONS AS REQUIRED BY THE ARCHITECTURAL PLANS.
2. ALL FOOTINGS SHALL BE PLACED ON INORGANIC, UNDISTURBED SOIL OR CONTROLLED STRUCTURAL BACKFILL. FOOTING ELEVATIONS GIVEN ARE NOT TO BE CONSTRUED AS LIMITING IN ANY WAY TO THE DEPTH OF EXCAVATION REQUIRED TO REACH ADEQUATE BEARING. REFER TO GEOTECHNICAL REPORT FOR BEARING CAPACITY.
3. NO FOUNDATION SHALL BE PLACED IN WATER OR FROZEN GROUND. CONTRACTOR IS REQUIRED TO ENSURE DRY AND UNFROZEN CONDITION POST POURING UNTIL THE CONCRETE HAS REACHED 75% OF ITS SPECIFIED DESIGN STRENGTH.
4. EXTERIOR FOOTINGS SHALL BE PLACED SOIL AT A MINIMUM DEPTH OF 4 FEET, OR AS MODIFIED BY THE STRUCTURAL ENGINEER, BELOW THE LOWEST ADJACENT GROUND EXPOSED TO FREEZING. ANY ADJUSTMENT OF FOOTING ELEVATIONS DUE TO FIELD CONDITIONS MUST HAVE THE APPROVAL OF THE ARCHITECT.
5. SOIL BEARING CAPACITY FOR ALL WALLS, FOOTINGS, AND PIERS TO BE MIN. 4000 PSF PER GEOTECHNICAL REPORT. CONTRACTOR TO ENSURE PROPER SOIL IMPROVEMENTS ARE MADE TO ACHIEVE THE PROPER BEARING STRATA.
6. BACKFILL BELOW FOOTINGS AND SLABS SHALL BE MADE WITH APPROVED GRANULAR MATERIALS PLACED IN 6" LAYERS. LAYERS SHALL BE COMPACTED TO 98% DENSITY AT OPTIMUM MOISTURE CONTENT, AS DEFINED BY ASTM D1557.
7. PROVIDE FOUNDATION DRAINAGE/WATERPROOFING, AND FOUNDATION WALL INSULATION AS INDICATED ON THE CIVIL/DRAINAGE DRAWINGS.
8. PROVIDE METAL OR PVC SLEEVES IN THE FOUNDATION WALLS FOR SEWER, GAS, ELECTRIC, AND WATER LINES, AS REQUIRED.

CONCRETE

- 1. ALL CONCRETE WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE LATEST EDITION OF ACI-318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
2. ALL CONCRETE SHALL BE CONTROLLED CONCRETE, MIXED AND PLACED UNDER THE SUPERVISION OF A CONCRETE TESTING AGENCY APPROVED BY THE OWNER.
3. CONCRETE SHALL BE NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE, AS INDICATED, WITH A SAND AND GRAVEL AGGREGATE - TYPE 1 OR TYPE II PORTLAND CEMENT AND HAVING A MINIMUM COMPRESSIVE STRENGTH (f'c) IN 28 DAYS AS FOLLOWS UNLESS INDICATED ON PLANS.
FOOTINGS 4000 PSI (NORMAL WT.)
BASEMENT WALLS & PIERS 4000 PSI (NORMAL WT.)
INTERIOR SLABS 4000 PSI (NORMAL WT.)
CONCRETE NOT OTHERWISE SPECIFIED 4000 PSI (NORMAL WT.)
MAXIMUM DENSITY OF NORMAL WEIGHT CONCRETE SHALL BE 150 POUNDS PER CUBIC FOOT.
4. REINFORCING STEEL: TYPICAL - ASTM A615, GRADE 60. FIELD BENT - ASTM A615, GRADE 40 WELDED WIRE FABRIC - ASTM A185.
5. REINFORCING STEEL SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ARCHITECT FOR APPROVAL. THESE DRAWINGS SHALL SHOW COMPLETE BAR LAYOUT, SIZES, OPENINGS, ACCESSORIES, AND ALL OTHER INFORMATION NECESSARY FOR COMPLETE AND ACCURATE FABRICATION AND PLACEMENT OF REINFORCING STEEL.
6. THE CONTRACTOR SHALL SUBMIT A CONCRETE MIX DESIGN TO THE OWNER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO THE FIRST PLACEMENT.
7. CONTRACTOR SHALL PROVIDE A CONCRETE POURING SEQUENCE TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL 7 DAYS PRIOR TO CONCRETE PLACEMENT.
8. INSPECTION AND TESTING OF CAST-IN-PLACE CONCRETE WORK WILL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY, UNDER A SEPARATE CONTRACT WITH THE OWNER. IF CONCRETE FAILS, CONTRACTOR SHALL PROMPTLY REPLACE CONCRETE MATERIALS OR REDD WORK WHICH HAS BEEN REJECTED BY ARCHITECT AND/OR TESTING AGENCY, AT NO EXPENSE TO THE OWNER.
9. INSPECTION AND APPROVAL BY THE OWNER OR THEIR REPRESENTATIVE SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO PROVIDE QUALITY CONTROL, MATERIALS, AND WORKMANSHIP FULLY INSURING THAT THIS WORK WILL CONFORM TO THE CONTRACT REQUIREMENTS.
10. SAMPLING AND TESTING FOR QUALITY ASSURANCE DURING THE PLACEMENT OF CONCRETE MAY INCLUDE THE FOLLOWING, AS DIRECTED BY THE ARCHITECT. SAMPLES WILL BE MADE AT THE POINT OF DISCHARGE FROM THE READY-MIX TRUCK.
A. SLUMP TEST, COMPLYING WITH ASTM C143; ONE TEST FOR EACH SET OF COMPRESSION STRENGTH TEST SPECIMENS. SLUMP AT THE POINT OF DISCHARGE FROM THE READY-MIX TRUCK SHALL BE 3"-5".
B. COMPRESSION TEST SPECIMENS, COMPLYING WITH ASTM C31; ONE SET OF 4 STANDARD CYLINDERS FOR EACH COMPRESSION STRENGTH TEST. ONE SET OF CYLINDERS SHALL BE TAKEN FROM THE FIRST FOOTING POUR, AND TWO SETS SHALL BE TAKEN DURING FOUNDATION WALL POURS, AT AN INTERVAL CHOSEN BY THE ARCHITECT.
C. COMPRESSION STRENGTH TESTS SHALL COMPLY WITH ASTM C39; ONE SPECIMEN TESTED AT 7 DAYS, 2 SPECIMENS TESTED AT 28 DAYS, AND 1 SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED.
11. ALL CONCRETE EXPOSED TO THE WEATHER OR POSSIBLE FREEZE/THAW ACTION SHALL CONTAIN AN AIR ENTRAINMENT ADMIXTURE.
12. ALL CONCRETE SHALL BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS, EXCEPT WHERE SPECIFICALLY NOTED. VERTICAL CONSTRUCTION JOINTS AND STOPS IN SHORED CONCRETE WORK SHALL BE MADE A MIDSAN. HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH VERTICAL CONSTRUCTION JOINTS.
13. GROUT UNDER COLUMN BASE PLATES AND UNDER OTHER BEARING PLATES SHALL BE NON-SHRINK, NONMETALLIC GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 3 DAYS, NON-SHRINK GROUT SHALL BE "EMBECCO 153" BY MASTER BUILDERS, "SONOROGRUT" BY SOMNEBORN BUILDING PRODUCTS, "FIVE STAR GROUT" BY U.S. GROUT CORPORATION, OR EQUAL AS APPROVED BY THE ARCHITECT AND ENGINEER.
14. ALL KEYS SHALL BE 2"x4" (NOMINAL) UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
15. CONCRETE MUST REACH THE FOLLOWING PERCENTAGES OF ITS 28-DAY COMPRESSIVE STRENGTH (f'c) BEFORE CURMS OR SHORES MAY BE REMOVED:
20%
16. REFER TO THE ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES, WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301-SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
17. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIPS WASHES, REGLES, CONCRETE FINISHES, MASONRY ANCHORS, AND FOR MISCELLANEOUS EMBEDDED BOLTS, PLATES, ANCHORS, ANCHORS, ETC.
18. THE PLACEMENT OF SLEEVES, OUTLET BOXES, BOX-OUTS, ANCHORS, ETC., FOR THE MECHANICAL, ELECTRICAL, AND PLUMBING TRADES IS THE RESPONSIBILITY OF THE TRADE INVOLVED. HOWEVER, ANY BOX-OUTS NOT COVERED BY TYPICAL DETAILS IN THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
19. UNLESS OTHERWISE NOTE, COVER TO REINFORCING BARS SHALL AS INDICATED BELOW.
CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH 3"
CONCRETE IN CONTACT WITH EARTH OR WEATHER 2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH, FOR SLABS, WALLS & BEAMS 1/2"

REINFORCED MASONRY:

- 1. MASONRY CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS AND FOR CONCRETE MASONRY CONSTRUCTION (ACI 530, ACI 530.1/ACI 530.2) AND SPECIFICATIONS FOR MASONRY STRUCTURES AND RELATED COMMENTARIES (ACI 530/30.1/ACI 530.2/MS 602).
2. MASONRY UNITS SHALL CONFORM TO ASTM C55 OR ASTM C90 AND ARE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C140. F'm = 15000PSI.
3. THICKNESS OF BED JOINTS DOES NOT EXCEED 3/8".
4. MORTAR FOR BLOCK WALL CONSTRUCTION SHALL BE TYPE M OR S CONFORMING TO ASTM C270.
5. GROUT FOR PIERS AND BLOCK WALLS SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 psi DETERMINED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C1019.
6. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT BARS TO BE WELDED SHALL CONFORM TO ASTM A706.
7. WIRE FOR JOINT REINFORCING SHALL CONFORM TO ASTM A82, YIELD POINT = 70 ksi (MIN).
8. UNLESS NOTED OTHERWISE ON PLANS, PROVIDE THE FOLLOWING MINIMUM REINFORCEMENT:
9. #5 @ 32" OC VERTICAL AND #9 GA. LADDER OR TRUSS TYPE @ 16" OC HORIZONTAL.
10. PROVIDE BOND BEAMS, AT THE TOP OF FOUNDATION WALLS AND THE TOP OF PARAPETS, AT EACH FLOOR LEVEL, AND WHERE SHOWN ON THE DRAWINGS. MAXIMUM SPACE BETWEEN HORIZONTAL BOND BEAMS SHALL NOT EXCEED 8'-0".
11. UNLESS NOTED OTHERWISE ON PLANS, PROVIDE THE FOLLOWING ADDITIONAL VERTICAL REINFORCEMENT IN THE CELL IMMEDIATELY ADJACENT TO EACH SIDE OF A MASONRY OPENING AND IN THE CELL OF DISCONTINUOUS WALLS. THESE BARS ARE TO EXTEND FULL HEIGHT OF THE WALL OR IN THE CASE OF MASONRY OPENING AT MULTI-STORY WALLS, FROM STORY TO LEVEL ABOVE TO STORY LEVEL BELOW THE OPENING.
12. 6" AND 8" CMU WALLS - 1-#5
13. 10" AND 12" CMU WALLS - 2-#6
14. EXTEND ADDITIONAL REINFORCEMENT A MINIMUM OF 36 BAR DIAMETERS BEYOND THE OPENING.
15. THE MINIMUM LENGTH OF LAP FOR REINFORCING BARS EMBEDDED IN GROUT IS 48 BAR DIAMETERS, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
16. PLACE REINFORCING BARS BEFORE GROUTING. PLACE GROUT IN LIFTS NOT EXCEEDING 5 FEET. CONSOLIDATE EACH LIFT BY THE USE OF THE POUR MAY BE MADE AFTER THE INITIAL WATER LOSS AND RECONSOLIDATION OF THE PRIOR LIFT, WHILE IT IS STILL PLASTIC.
17. PROPERLY SECURE REINFORCING BARS TO MAINTAIN THE POSITIONS INDICATED ON THE DRAWINGS. BARS TO BE LOCATED IN CENTER OF CELLS UNLESS OTHERWISE NOTED.
18. ALL CMU SHALL BE BRACED DURING CONSTRUCTION FOR THE GOVERNING CODE LATERAL DESIGN LOADS UNLESS OTHERWISE RESTRICTED BY THE ARCHITECT.
19. THE FOLLOWING STEPS ARE TO BE FOLLOWED WHEN LAYING MASONRY IN THE TEMPERATURES STATED BELOW:
40 - 32 DEG F (MEAN DAILY AIR TEMPERATURE)
HEAT MIXING WATER OR AGGREGATE TO 70° F.
PROTECT MASONRY FROM RAIN OR SNOW FOR 24 HOURS.
32 - 20 DEG F (MEAN DAILY AIR TEMPERATURE)
HEAT MIXING WATER AND AGGREGATE TO 70° F.
PROVIDE WIND BRACING FOR WIND VELOCITY IN EXCESS OF 15 M.P.H. COVER MASONRY WITH INSULATING BLANKETS FOR 24 HOURS AND PROVIDE HEAT SOURCES ON BOTH SIDES OF MASONRY CONSTRUCTION.
BELOW 20° F (MEAN DAILY AIR TEMPERATURE)
HEAT MIXING WATER & AGGREGATE TO 70° F.
PROVIDE ENCLOSURES AND HEAT TO MAINTAIN 40° MINIMUM TEMPERATURE. TEMPERATURES IN MASONRY UNITS SHALL BE MAINTAINED ABOVE 40° F.
MAINTAIN MASONRY ABOVE 40° F FOR 24 HOURS BY ENCLOSURES AND SUPPLEMENTAL HEAT.
6. INSPECTION AND TESTING OF MASONRY WORK WILL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY UNDER A SEPARATE CONTRACT WITH THE OWNER. IF THE MASONRY FAILS, CONTRACTOR SHALL PROMPTLY REPLACE MATERIALS OR REDD WORK WHICH HAS BEEN REJECTED BY ARCHITECT, ENGINEER AND/OR TESTING AGENCY, AT NO EXPENSE TO THE OWNER.

BRICK VENEER

- 1. MAINTAIN A MINIMUM 1 IN. AIR SPACE
2. WHERE CORRUGATED ANCHORS ARE USED, MAINTAIN A MAXIMUM 1 IN. AIR SPACE
3. DO NOT EXCEED 4/8 IN. BETWEEN BACK OF BRICK AND SHEATHING
4. COMPLETELY FILL THE AIR SPACE BELOW WALL BASE FLASHING WITH GROUT AND MORTAR
5. WHERE CONTINUOUS INSULATION IS PLACED BETWEEN THE VENEER AND BACKING, MAINTAIN 1 IN. BETWEEN THE BACK OF THE BRICK AND THE FACE OF THE INSULATION
6. DO NOT SPACE ANCHORS MORE THAN 32 IN. HORIZONTALLY AND 24 IN. VERTICALLY.
7. WHERE CORRUGATED METAL ANCHORS ARE INSTALLED, THEIR MAXIMUM THICKNESS SHOULD BE NO. 22 U.S. GAGE (0.03 IN.)
8. PROVIDE ADDITIONAL ANCHORS WITHIN 12 IN. OF OPENINGS LARGER THAN 16 IN. AT A MAXIMUM SPACING OF 16 IN.
9. FOR RESIDENTIAL CONSTRUCTION, PROVIDE ONE ANCHOR FOR EACH 2 SQ FT OF WALL AREA. WHERE VENEER IS LAID IN STACK BOND, INSTALL SINGLE WIRE JOINT REINFORCEMENT.
10. SECURE ANCHORS THROUGH THE SHEATHING TO THE BRICK.
11. FASTEN ANCHORS WITH CORROSION-RESISTANT #8 COMMON NAIL OR EQUIVALENT, AND WITHIN 1 IN. OF THE 90 DEGREE BEND OF CORRUGATED ANCHORS.
13. PROVIDE HOT-DIPPED GALVANIZED STEEL LINTEL ANGLES IN ACCORDANCE WITH THE FOLLOWING SCHEDULE: PROVIDE 6 INCHES OF BEARING PER END OF LINTEL:
ONE ANGLE PER 4" WIDTH OF MASONRY
R.0c3"-0" L 3-1/2 x 3-1/2 x 1/4"
R.0c4"-0" L 4 x 3-1/2 x 1/4"
R.0c5"-0" L 5 x 3-1/2 x 5/16"
R.0c6"-0" L 6 x 3-1/2 x 5/16"
R.0c8"-0" L 8 x 3-1/2 x 5/16"
14. FOR TYPICAL VENEER APPLICATIONS, USE TYPE N MORTAR COMPLYING WITH ASTM C270
15. WHERE BASIC WIND SPEED EXCEEDS 100 MPH USE TYPE S MORTAR

ROUGH CARPENTRY

- 1. ALL ROUGH CARPENTRY WORK SHALL BE EXECUTED IN CONFORMANCE WITH THE LATEST EDITION OF THE MASSACHUSETTS BUILDING CODE (MBC) AND THE INTERNATIONAL BUILDING CODE (IBC).
2. REFER TO THE MBC AND IBC FOR FRAMING COMPONENTS NOT SPECIFIED IN PLANS AND CONDITIONS. NOTIFY THE ENGINEER OF ANY COMPONENT NOT DEFINED IN EITHER THE MBC AND IBC OR IN THESE DRAWINGS.
3. REFER TO IBC FASTENER SCHEDULE FOR STRUCTURAL MEMBERS TABLE 2304.9.1 FOR CONNECTION FASTENING NOT IDENTIFIED IN THESE PLANS OR DETAILS.
4. ENGINEER MAKES NO CLAIMS TOWARDS EXISTING CONDITIONS.
5. WHEN NOT OTHERWISE IDENTIFIED, ALL WOOD BEAMS, JOISTS, RAFTERS, HEADERS, STRINGERS, PLATES, AND SILLS SHALL BE SPRUCE PINE FIR #2 OR BETTER, WITH A MINIMUM Fb = 875 PSI (SINGLE USE) AND Fb = 1000 PSI (REPETITIVE USE), AND E SHALL BE 1,400,000 PSI OR BETTER.
6. WOOD STUDS MAY BE EASTERN HEMLOCK, EASTERN SPRUCE, OR HEM-FIR, GRADED "STUD" GRADE, #2 OR BETTER.
7. LVL BEAMS, AS NOTED ON PLANS, SHALL HAVE A MINIMUM Fb = 3100 PSI, E = 2,000,000 PSI, AND Fv = 285 PSI. LVL BEAMS SHALL BE "VERSALAM" BY BOISE CASCADE. NO SUBSTITUTIONS WILL BE ACCEPTED, UNLESS THE ENGINEER SPECIFICALLY APPROVES ANOTHER PRODUCT SUBMITTED BY THE CONTRACTOR.
8. WOOD "I" BEAMS SHALL BE BY BOISE CASCADE. NO SUBSTITUTIONS WILL BE ACCEPTED, UNLESS THE ENGINEER SPECIFICALLY APPROVES ANOTHER PRODUCT SUBMITTED BY THE CONTRACTOR. MANUFACTURER'S RECOMMENDATIONS FOR BEARING, REINFORCING, CUTS, FASTENERS, AND FINISHES, INCLUDING THE FOLLOWING:
9. ENGINEERED WOOD POSTS (VERSA COLUMNS), AS NOTED ON PLANS, SHALL BE VERSA-LAM 1.7 2650.
10. PLYWOOD WALL SHEATHING, ROOF SHEATHING, AND SUBFLOORING SHALL BE APA GRADE, TRADEMARKED C INTERIOR WITH EXTERIOR GLUE. SUBFLOORING SHALL BE 3/4" THICK TONGUE AND GROOVE, AND SHALL BE GLUED TO FLOOR JOISTS WITH AN APPROVED ADHESIVE PRIOR TO NAILING. ROOF SHEATHING SHALL BE 1/2" THICK AND WALL SHEATHING SHALL BE 1/2" THICK.
11. SILL WOOD HAVING DIRECT CONTACT WITH CONCRETE OR MASONRY, AND WHEREVER WOOD IS WITHIN 8" OF FINISHED GRADE OR PART OF OPEN DECK CONSTRUCTION, SHALL BE PRESSURE TREATED.
12. ALL METAL CONNECTORS INCLUDING JOIST AND BEAM HANGERS AND COLUMN CAP AND BASES SHALL BE BY SIMPSON STRONG-TIE CORP. THE CONTRACTOR SHALL STRICTLY ADHERE TO MANUFACTURER'S FASTENING REQUIREMENTS. CONTRACTOR TO VERIFY ALL CONNECTOR SIZES TO FRAMING ELEMENTS BEFORE ORDERING.
13. UNLESS DETAILED OR SPECIFIED OTHERWISE ON THE PLANS, HEADERS AND BEAMS SHALL BE SUPPORTED BY AT LEAST ONE JACK STUD AND ONE KING STUD.
14. FOR WOOD JOIST SPANS UP TO 14 FEET, PROVIDE A SINGLE ROW OF FULL DEPTH BLOCKING BETWEEN JOISTS AT MIDSPAN. FOR SPANS EXCEEDING 14 FEET, PROVIDE TWO ROWS OF FULL DEPTH BLOCKING BETWEEN JOISTS AT THIRD POINTS OF THE SPAN.
15. GABLE-END WALL STUDS IN CATHEDRAL, PARTIAL CATHEDRAL, OR HIGH CEILING SPACES SHALL SPAN FROM THE FLOOR PLATE TO THE UNDERSIDE OF THE ROOF RAFTERS. THEY SHOULD NOT BE INTERRUPTED BY ANY HORIZONTAL PLATES OR BEAMS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
16. MEMBERS WITHIN SHUT-UP BEAMS, WHETHER MADE OF SAWN OR ENGINEERED LUMBER, SHALL ONLY BE SPLICED OVER SUPPORTS.
17. PROVIDE SIMPSON H1 OR H2.5 HURRICANE TIES BETWEEN EACH RAFTER BOTTOM AND ITS BEARING POINT.
18. CONTRACTOR SHALL CAREFULLY COORDINATE THE WORK OF ALL TRADES TO MINIMIZE THE NEED FOR CUT, BORED OR NOTCHED IN FRAMING LUMBER. STRUCTURAL FLOOR MEMBERS SHALL NOT BE CUT, BORED OR NOTCHED IN EXCESS OF THE LIMITATIONS SPECIFIED IN THE BUILDING CODE WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.
19. AT WOOD POSTS LANDING ON FLOOR DECK, PROVIDE SOLID VERTICAL WOOD BLOCKING WITHIN DECK SANDWICH TO LINK UPPER POST WITH LOWER SUPPORT. BLOCKING TO MATCH UPPER POST SIZE.
20. BEAMS COMPRISED OF 3 LVLS OR MORE SHALL BE BOLTED TOGETHER WITH A MINIMUM OF 2-1/2" #8 BOLTS AT 16" ON CENTER OR 3-1/4" DIAMETER SELF TAPPING LAG SCREWS AT 16" ON CENTER, ALTERNATING INSERTION SIDES, FOLLOW MANUF. SPECS, UNLESS NOTED OTHERWISE ON DRAWINGS.
21. IN ADDITION TO THE FLOOR JOIST SHOWN IN THE PLANS, CONTRACTOR SHALL INSTALL DOUBLE JOISTS UNDER ALL PARTITIONS WALLS RUNNING PARALLEL TO THE DIRECTION OF FRAMING.
22. MINIMUM BEAM BEARING TO BE 3 INCHES UNLESS NOTED OTHERWISE ON PLAN.
23. BEARING WALL SCHEDULE
-ALL EXTERIOR WALLS:
2x6@16"OC WITH 2 ROWS OF HORIZONTAL BLOCKING AT 1/3 POINTS
-1ST FLOOR INTERIOR BEARING WALLS:
2x4@16 OR 2x6@16"OC WITH 2 ROWS OF HORIZONTAL BLOCKING AT 1/3 POINTS
-2ND & 3RD FLOOR INTERIOR BEARING WALLS:
2x4@16 OR 2x6@16"OC WITH 1 ROW OF HORIZ. BLOCKING AT MID-HEIGHT OF WALL

STRUCTURAL STEEL

- 1. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC SPECIFICATIONS AND CODES, LATEST EDITION.
2. ALL WIDE FLANGE SECTION STRUCTURAL BEAMS (W) SHALL BE ASTM A992 Fy = 50 KSI. BASE PLATES, CHANNELS, ANGLES, AND MISC. STRUCTURAL STEEL SHALL BE ASTM A-36, Fy = 36 KSI. ALL SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL BE ASTM A-500 GRADE B Fy MINIMUM 46 KSI.
3. ALL ANCHOR BOLTS AND THREADED RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554 AND A307.
4. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-325 FOR 3/4" DIAMETER HIGH STRENGTH BOLTS UNLESS NOTED OTHERWISE.
5. ALL WELDING ELECTRODES SHALL BE E70XX.
6. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL CONFORM TO THE AWS "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION" LATEST EDITION.
7. NO CONNECTION SHALL CONSIST OF LESS THAN TWO 3/4" DIAMETER BOLTS OR WELDS DEVELOPING A MINIMUM OF 10,000 POUNDS UNLESS NOTED OTHERWISE.
8. ALL FILLET WELDS SHALL BE A MINIMUM OF 1/4" UNLESS NOTED OTHERWISE.
9. ALL WELDS SHALL BE VISUALLY INSPECTED AND ALL FULL PENETRATION WELDS SHALL BE INSPECTED BY ULTRA-SONIC TESTING.
10. AN INDEPENDENT STEEL TESTING AGENCY SHALL PERFORM ALL INSPECTION AND TESTING, THE STRUCTURAL STEEL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE ABOVE TESTING REQUIREMENTS TO BE COMPLETED. A COPY OF ALL TEST REPORTS SHALL BE FILED WITH THE ARCHITECT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS AND STABILITY.
12. AFTER FABRICATION, ALL STEEL, EXCEPT THAT TO BE GALVANIZED, SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS AND RECEIVE ONE COAT OF APPROVED PAINT.
13. THE FABRICATOR SHALL FURNISH CHECKED SHOP AND ERECTION DRAWINGS AND OBTAIN APPROVAL PRIOR TO FABRICATING ANY STRUCTURAL STEEL.
14. CUTS, HOLES, OPENINGS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON SHOP DRAWINGS FOR STRUCTURAL STEEL AND SHALL BE MADE IN THE SHOP. BURNING OF HOLES OR CUTS IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED EXCEPT BY WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER OF RECORD.
15. FULL MOMENT CONNECTIONS SHALL BE DESIGNED AND DETAILED TO DEVELOP THE FULL CAPACITY OF THE MEMBERS BEING CONNECTED.
16. SHOP DRAWINGS SHALL BE DESIGNED AND DETAILED BY AN ENGINEER REGISTERED IN THE PROJECT STATE. SUBMIT STAMPED CALCULATION PACKAGE ALONG WITH THE STAMPED SHOP DRAWINGS FOR ENGINEER TO REVIEW.

Table with 6 columns: CHECK IF REQUIRED, INSPECTION TASK (STANDARD & CODE REFERENCE), CONTINUOUS INSPECTION, PERIODIC INSPECTION, SPECIAL INSPECTIONS FIRM, NOTES & SCOPE. Rows include Verification of Soils, Excavation and Filling, Concrete Construction, and Structural Masonry (Quality Assurance Program, Level B).

NOTE: QUALITY CONTROL AS SPECIFIED IN AISC 360 SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR. QUALITY ASSURANCE AS SPECIFIED IN AISC 308 SHALL BE PROVIDED BY OTHERS



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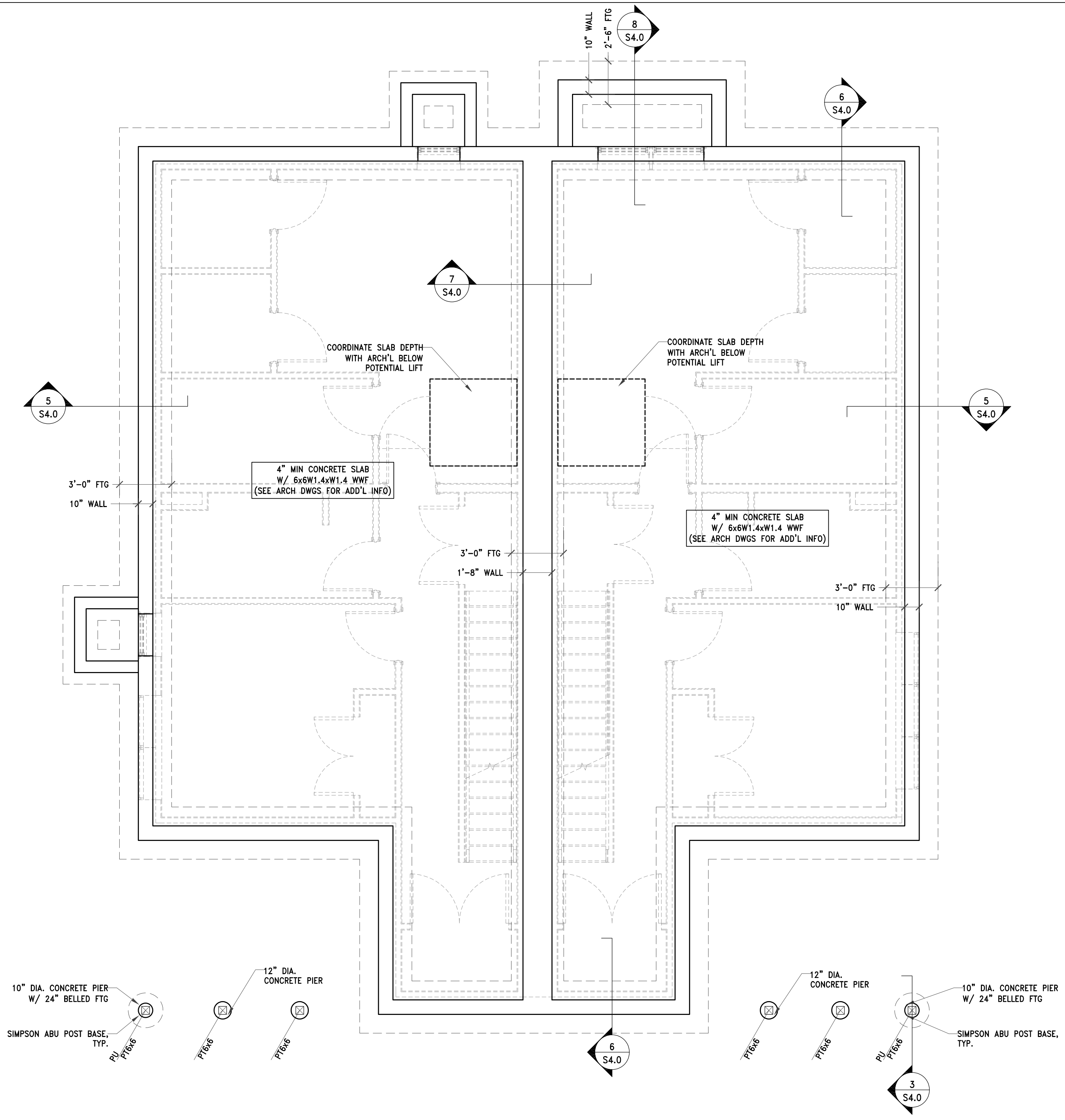
UPDATED

Date : 15 APRIL, 2025
DRAWING SCALES
SHOWN ARE BASED ON
AN 24x36 SIZE DRAWING

GENERAL NOTES

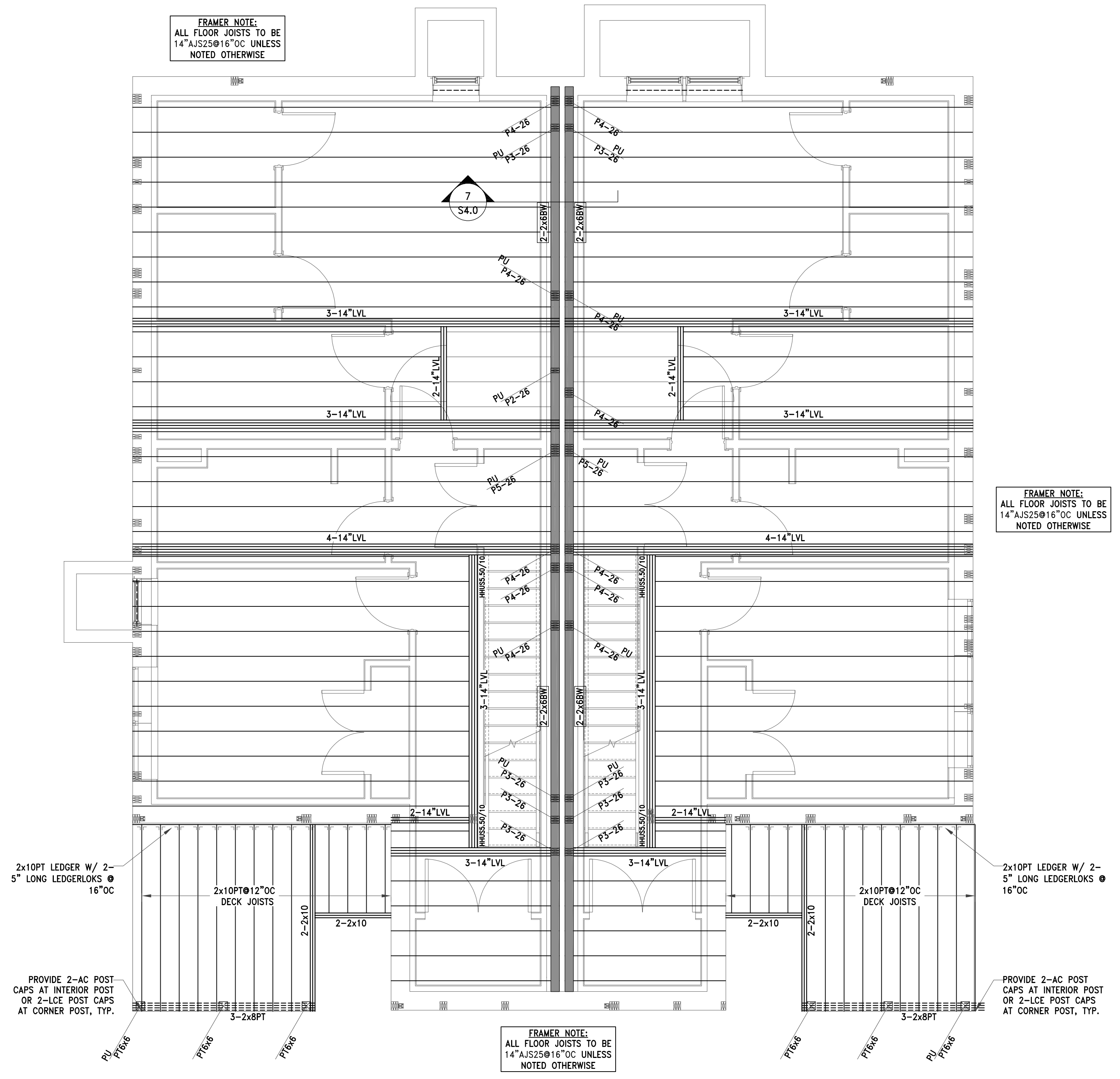
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617-775-7250
Mike@DavidsonEngineer.com



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

FOUNDATION NOTES:
1. ALL FOUNDATION DIMENSIONS AND ELEVATIONS TO BE VERIFIED WITH SITE CONDITIONS AND ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ENGINEERING AND ARCHITECTURAL DOCUMENTS.



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

NOTES:
1. ALL INDIVIDUAL LVLS ARE 1/2" THICK UNLESS NOTED OTHERWISE ON PLAN.
2. BEAMS COMPRISED OF 2 LVLS OR MORE SHALL BE BOLTED TOGETHER WITH A MINIMUM OF 2-1/2" BOLTS AT 16" ON CENTER OR 3-1/2" DIAMETER SELF TAPPING LAG SCREWS AT 16" ON CENTER, ALTERNATING INSERTION SIDES, FOLLOW MANUF. SPECS, UNLESS NOTED OTHERWISE ON DRAWING.
3. BW DENOTES BEARING WALLS CONSISTING OF 2x6@16"OC. SEE FRAMING NOTES FOR HORIZ. BRACING.
4. SH INDICATES SIMPSON STRONG-TIE TYPE HANGER REQUIRED AT BEAM CONNECTION. ALL SIMPSON HANGERS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS WITH THE MAXIMUM FASTENER SIZE AND QUANTITY.
5. SH - INDICATES SHEARWALL HOLDOWN LOCATION AT BASE OF WALL BELOW THIS FRAMING LEVEL. REFERENCE SHEARWALL PLAN AND DETAILS FOR ADDITIONAL INFORMATION.
6. HD-A - INDICATES SHEARWALL HOLDOWN LOCATION AT BASE OF WALL ABOVE THIS FRAMING LEVEL. REFERENCE SHEARWALL PLAN AND DETAILS FOR ADDITIONAL INFORMATION. PROVIDE ADDITIONAL FRAMING AS REQUIRED TO ACCOMMODATE "PAIR" HOLDOWNS.



**1004-1006 Broadway Residences
Somerville, MA**

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Date : 15 APRIL, 2025

DRAWING SCALES SHOWN ARE BASED ON AN 24x36 SIZE DRAWING

FOUNDATION PLAN AND FIRST FLOOR FRAMING

S1.0



**1004-1006 Broadway Residences
Somerville, MA**

Rev: Date:

UPDATED

Date : 15 APRIL, 2025

DRAWING SCALES SHOWN ARE BASED ON AN 24x36 SIZE DRAWING

FRAMING PLANS

S3.0

FRAMER NOTE:
ALL CEILING JOISTS TO BE 2x12@16"OC UNLESS NOTED OTHERWISE

FRAMER NOTE:
ALL CEILING JOISTS TO BE 2x12@16"OC UNLESS NOTED OTHERWISE

FRAMER NOTE:
ALL ROOF RAFTERS TO BE 2x12@16"OC UNLESS NOTED OTHERWISE

FRAMER NOTE:
ALL ROOF RAFTERS TO BE 2x12@16"OC UNLESS NOTED OTHERWISE

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

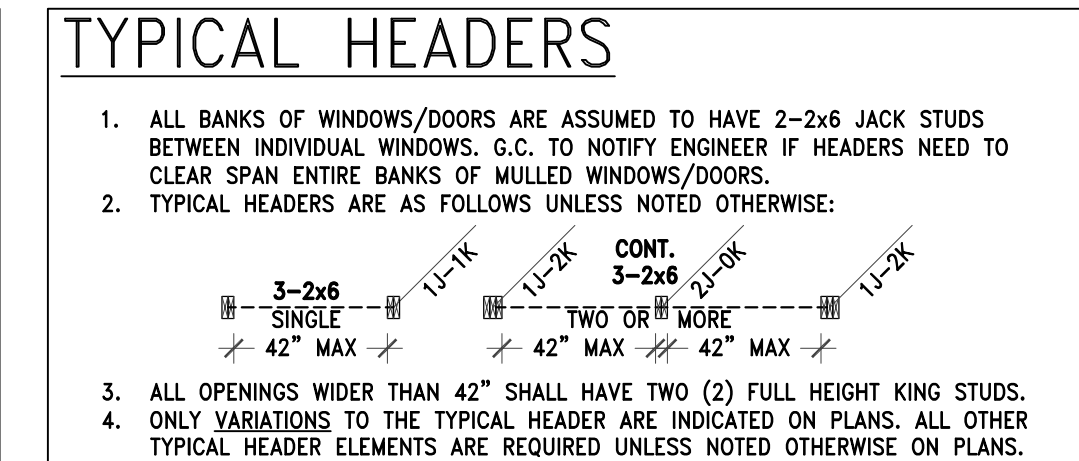
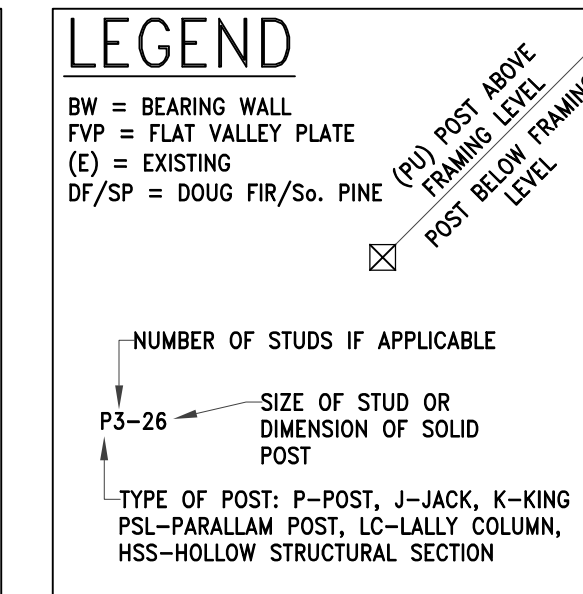
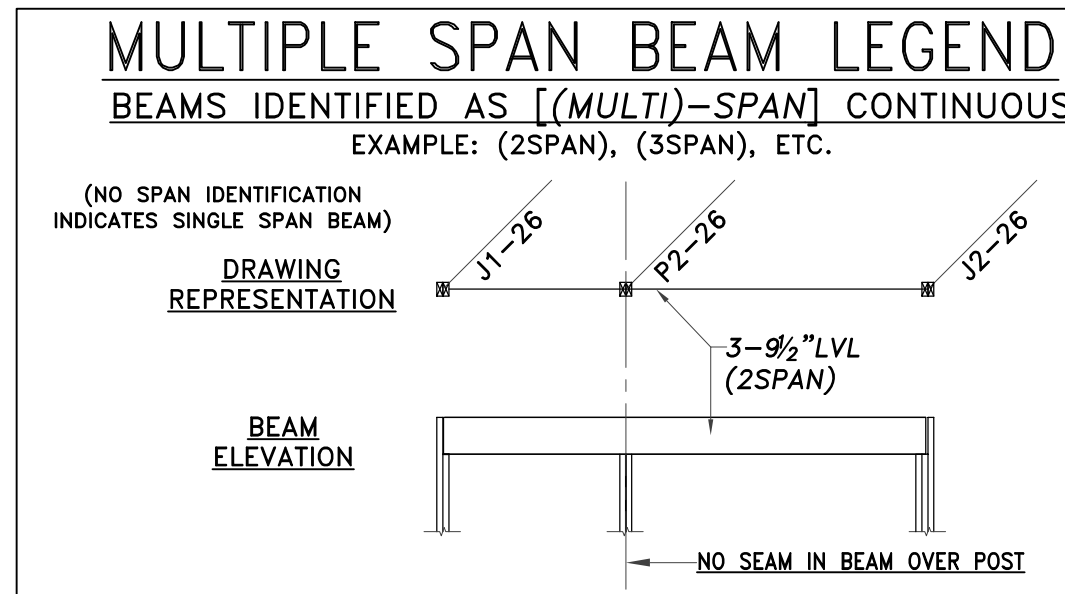
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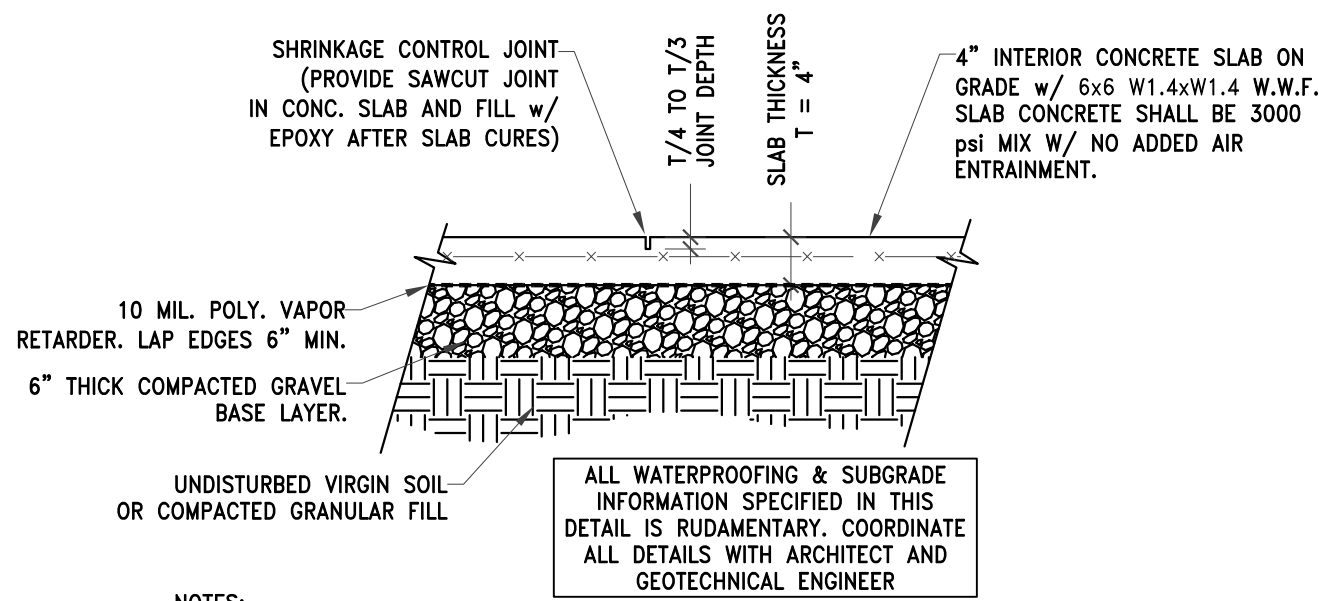
1. ALL INDIVIDUAL LVLS ARE 1 1/2" THICK UNLESS NOTED OTHERWISE ON PLAN.
2. PROVIDE SIMPSON HARDWARE CONNECTING EACH RAFTER TO STRUCTURE BELOW. SEE ROUGH CARPENTRY NOTE #21.
3. BEAMS COMPRISED OF 2 LVLS OR MORE SHALL BE BOLTED TOGETHER WITH A MINIMUM OF 2-1/2" BOLTS AT 16" ON CENTER OR 3-3/4" DIAMETER SELF TAPPING LAG SCREWS AT 16" ON CENTER, ALTERNATING INSERTION SIDES, FOLLOW MANUF. SPECS, UNLESS NOTED OTHERWISE ON DRAWING.
4. BW DENOTES BEARING WALLS CONSISTING OF 2x6@16"OC. SEE FRAMING NOTES FOR HORIZ. BRACING.
5. INDICATES PER SIMPSON STRONG-TIE TYPE HANGER REQUIRED AT BEAM CONNECTION. ALL SIMPSON HANGERS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS WITH THE MAXIMUM FASTENER SIZE AND QUANTITY.

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

NOTES:

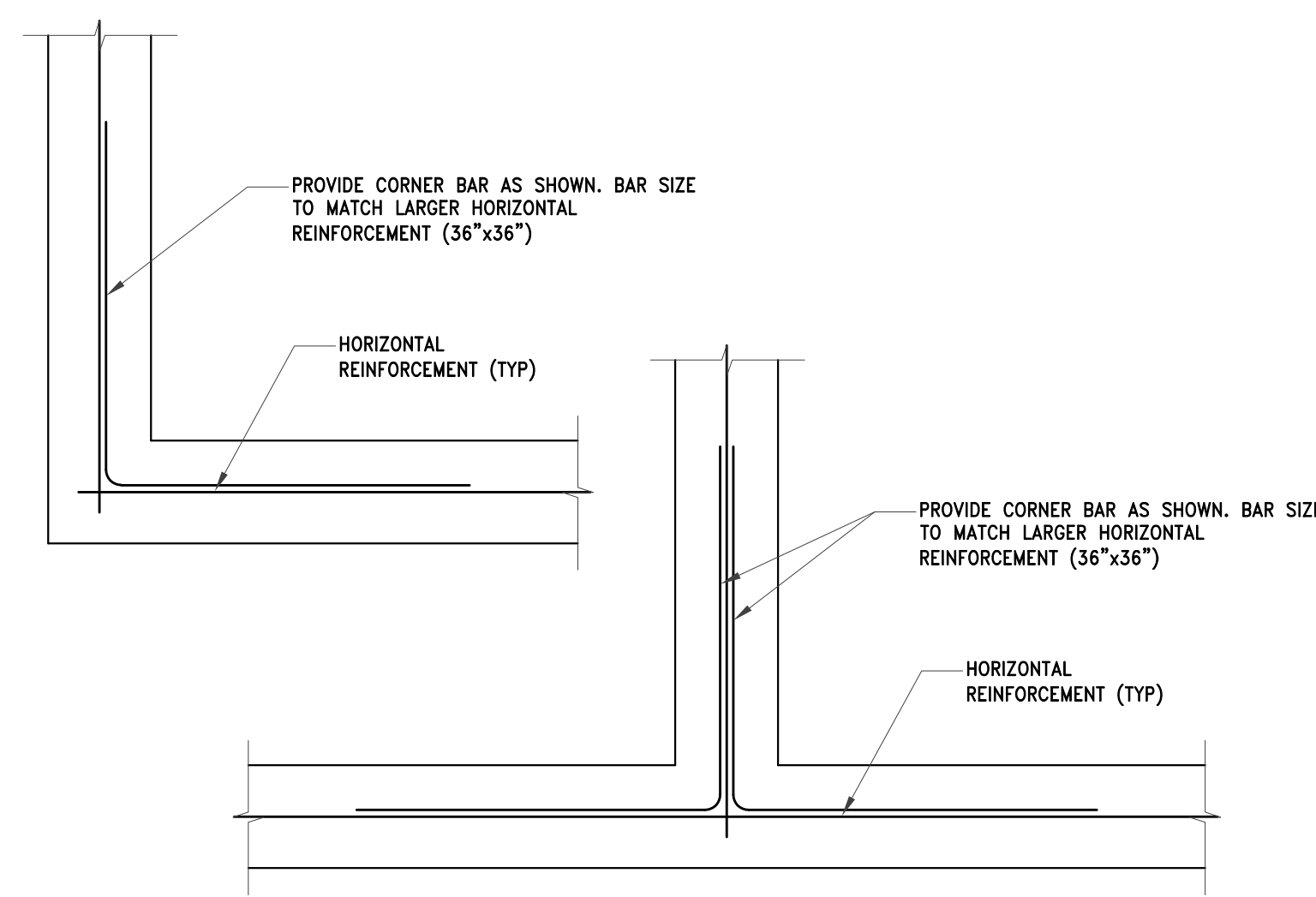
1. ALL INDIVIDUAL LVLS ARE 1 1/2" THICK UNLESS NOTED OTHERWISE ON PLAN.
2. ALL RAFTER TO HIP OR VALLEY CONNECTION TO BE MADE W/ A MINIMUM OF 6-12d NAILS.
3. ALL CEILING TO RAFTER CONNECTIONS TO BE MADE W/ A MINIMUM OF 8-12d NAILS.
4. ALL RAFTER TO LVL RIDGE CONNECTIONS TO BE MADE WITH A MINIMUM OF 6-12d NAILS EOSP AND ONE OF THE THREE FOLLOWING OPTIONS (UNLESS DETAILED/NOTED OTHERWISE ON PLANS):
4.1. SINGLE SIMPSON LS70 FRAMING ANGLE
4.2. COLLAR TIES LOCATED IN UPPER THIRD OF THE ATTIC SPACE FASTENED TO RAFTERS W/ (4) 12d NAILS
4.3. 1" x 20 GA RIDGE STRAP FASTENED TO OPPOSING RAFTERS
5. ALL VALLEYS AND HIPS TO BE CONNECTED TO RIDGES WITH A MINIMUM OF 12 EOSP 16d NAILS AND A LS90 FRAMING ANGLE.
6. PROVIDE SIMPSON HARDWARE CONNECTING EACH RAFTER TO STRUCTURE BELOW. SEE ROUGH CARPENTRY NOTE #21.
7. BEAMS COMPRISED OF 2 LVLS OR MORE SHALL BE BOLTED TOGETHER WITH A MINIMUM OF 2-1/2" BOLTS AT 16" ON CENTER OR 3-3/4" DIAMETER SELF TAPPING LAG SCREWS AT 16" ON CENTER, ALTERNATING INSERTION SIDES, FOLLOW MANUF. SPECS, UNLESS NOTED OTHERWISE ON DRAWING.
8. BW DENOTES BEARING WALLS CONSISTING OF 2x6@16"OC. SEE FRAMING NOTES FOR HORIZ. BRACING.
9. WHERE APPLICABLE, ALL FIRST RAFTERS SHALL BE FASTENED THROUGH SHEATHING AND INTO WALL STUDS WITH 2-LEDGERLOCKS AT 16"OC.



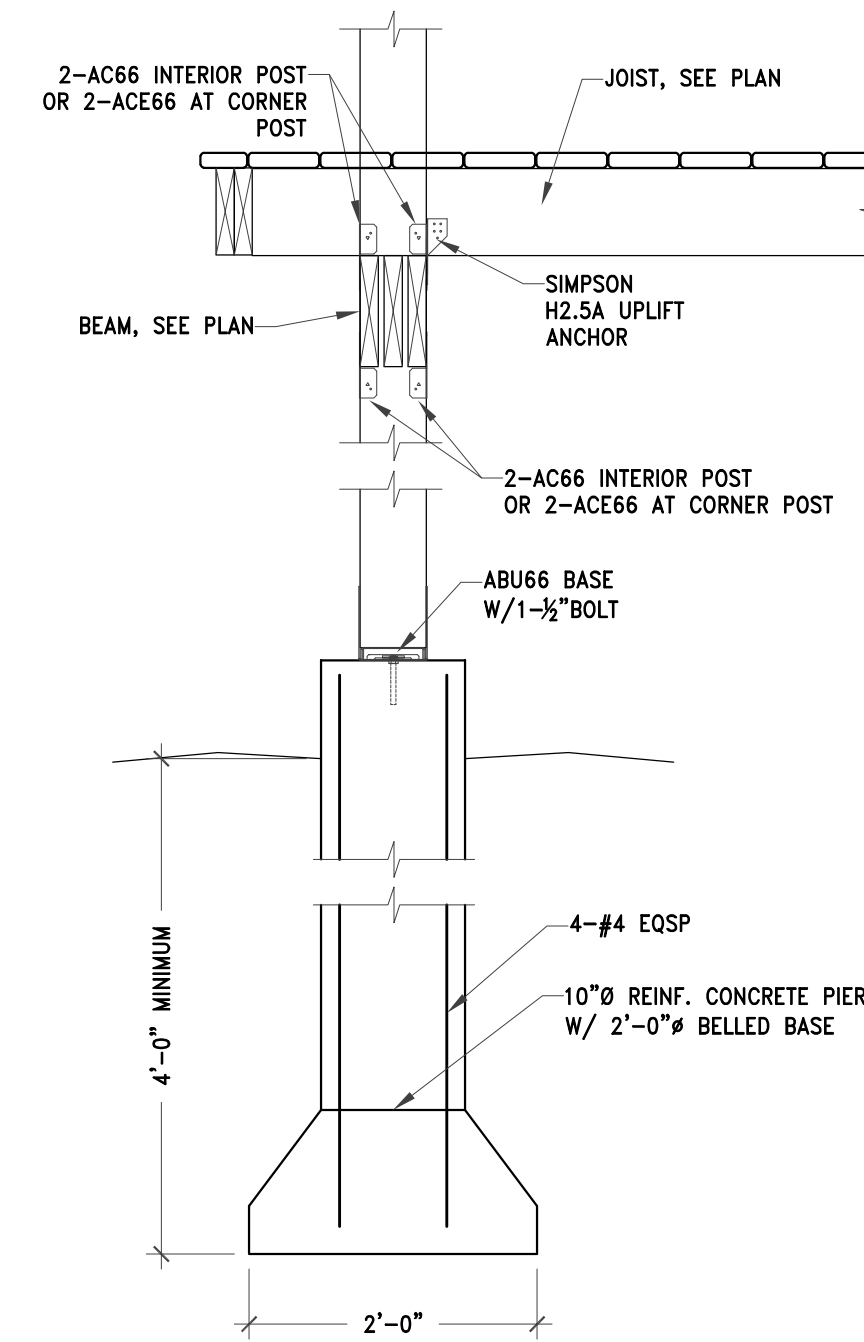


- NOTES:
1. SAWCUT SHRINKAGE CONTROL JOINTS SHALL BE PROVIDED WITHIN 12 HRS. OF SLAB PLACEMENT, AS SOON AS CONCRETE IS CAPABLE OF SUPPORTING SAWCUTTING EQUIPMENT.
 2. LOCATE SHRINKAGE CONTROL JOINTS AS INDICATED ON SLAB PLAN, OR AT MAXIMUM SPACING OF 20 FT. O.C. IF NOT INDICATED ON PLANS. RESULTING SHAPE SHALL NOT BE GREATER THAN 400 S.F. NOR EXCEED A 1:5 - 1 LENGTH TO WIDTH RATIO.
 3. OPTIONALLY, THE SHRINKAGE CONTROL MAY SUBSTITUTE PRE-FABRICATED PLASTIC STRIPS INSTEAD OF SAWCUTTING. SUBMIT CATALOG CUTS FOR APPROVAL PRIOR TO USING.
 4. INSTALLATION OF ALL NON-STRUCTURAL CONCRETE SLABS-ON-GRADE SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST ADDITIONS OF BOTH ACI-308 AND ACI-302.
 5. COORDINATE ALL HEATING AND INSULATION DETAILS, SLAB FINISHES AND COATINGS, AND SLAB PITCH WITH ARCHITECTURAL DRAWINGS.
 6. PROVIDE #4 x 48\"/>

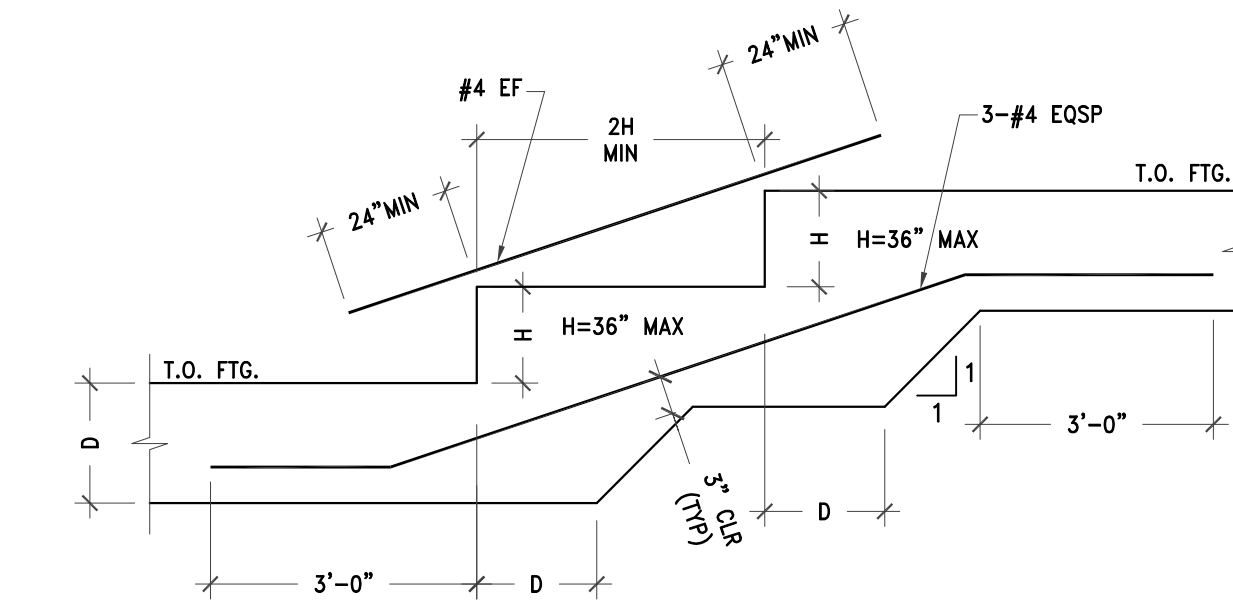
1 TYP. INTERIOR SLAB ON GRADE DETAIL
SCALE: NONE



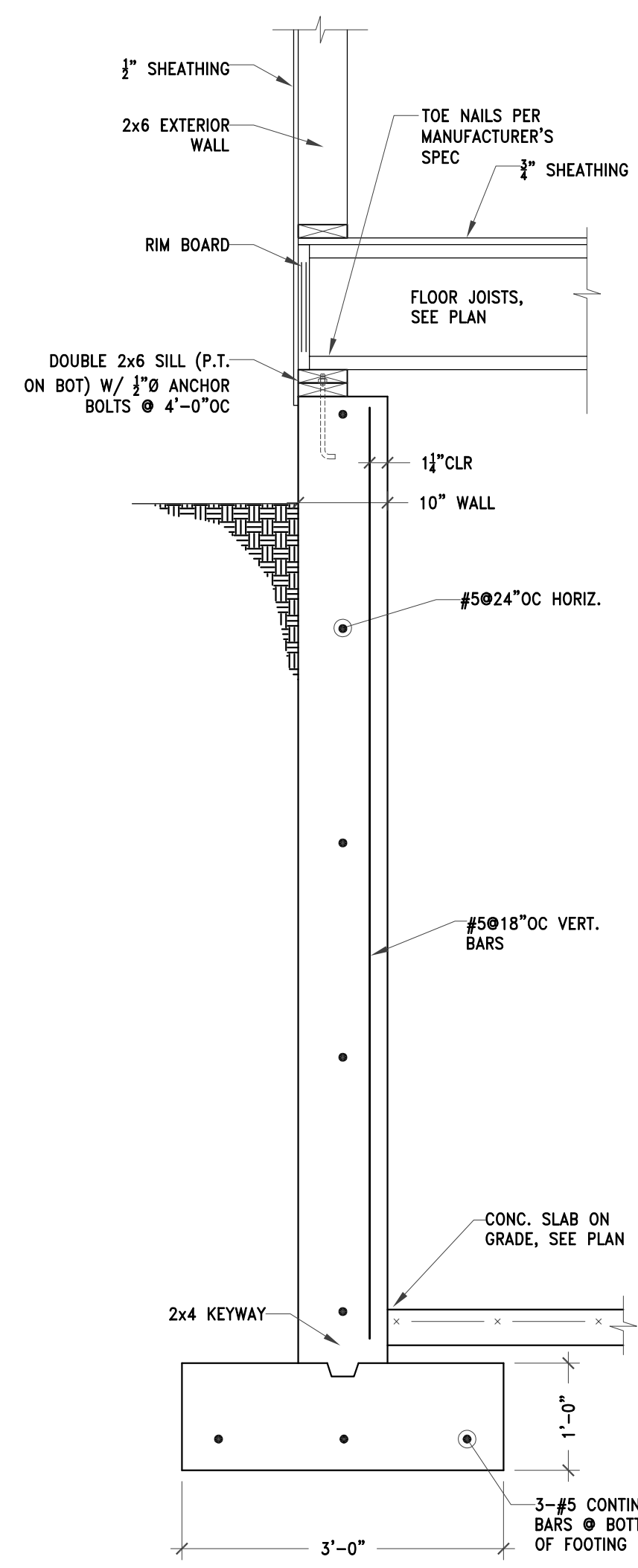
2 TYPICAL HORIZONTAL WALL REINF.
SCALE: NONE



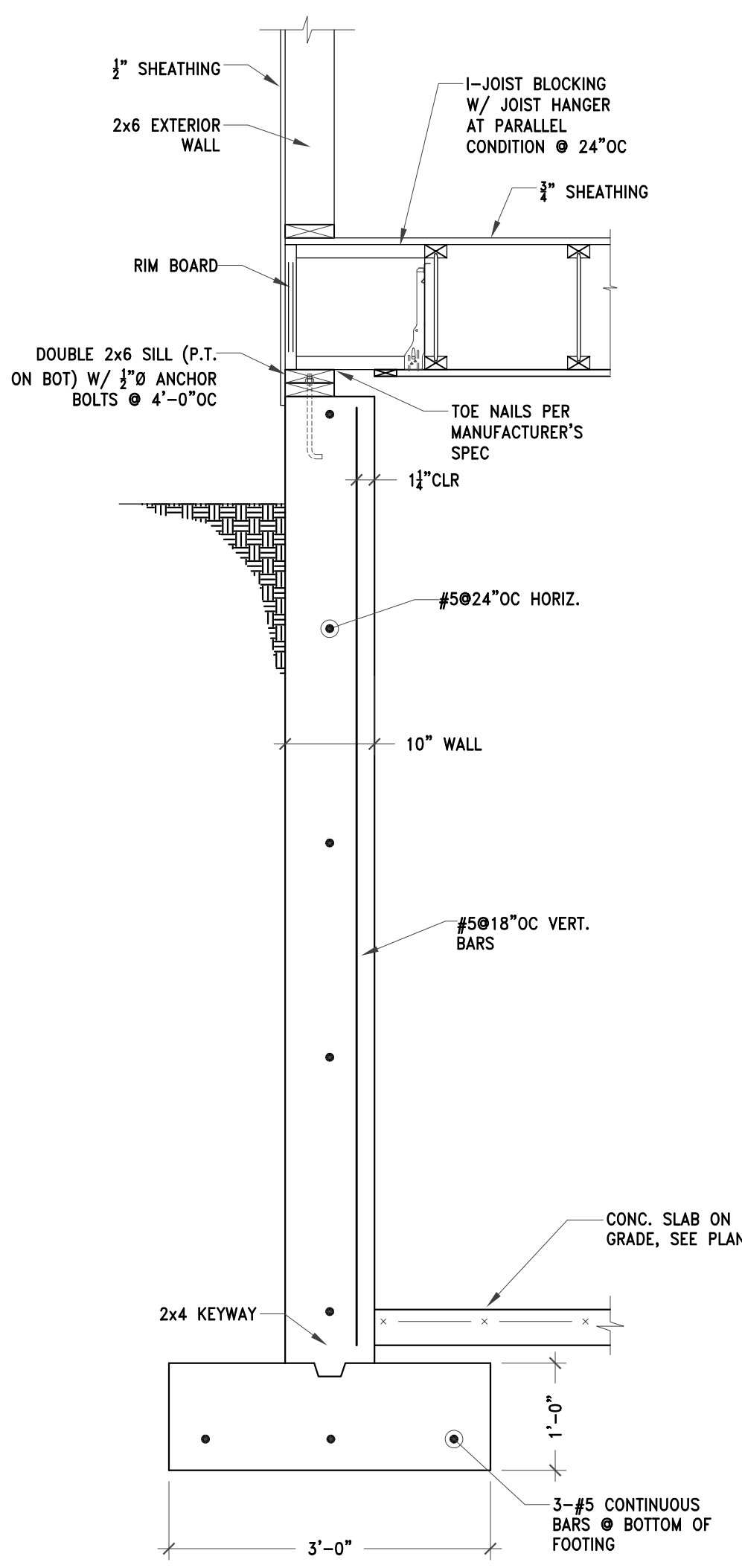
3 PORCH DETAIL
SCALE: 3/4\"/>



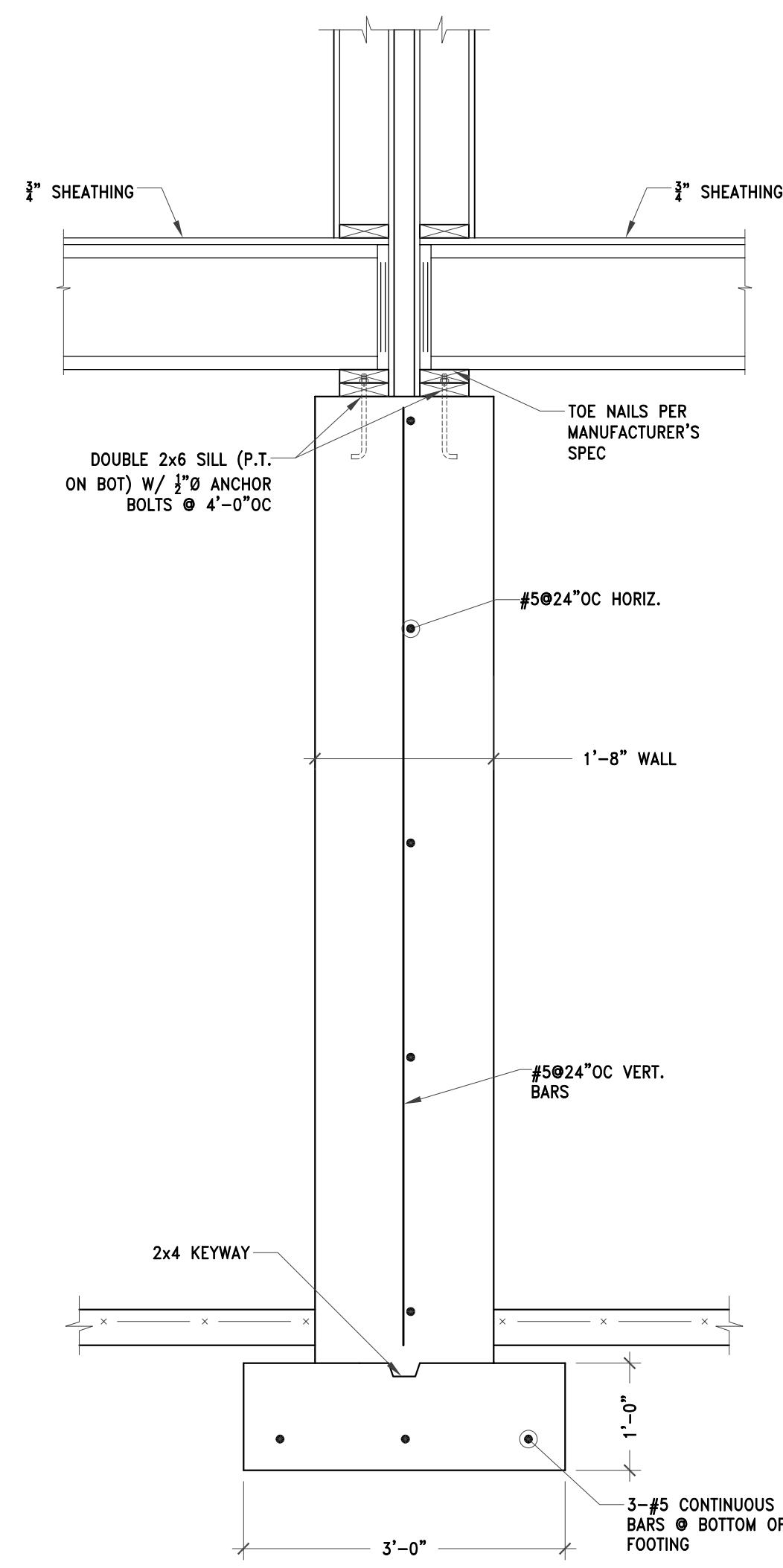
4 TYPICAL STEP FTG DETAIL
SCALE: 3/4\"/>



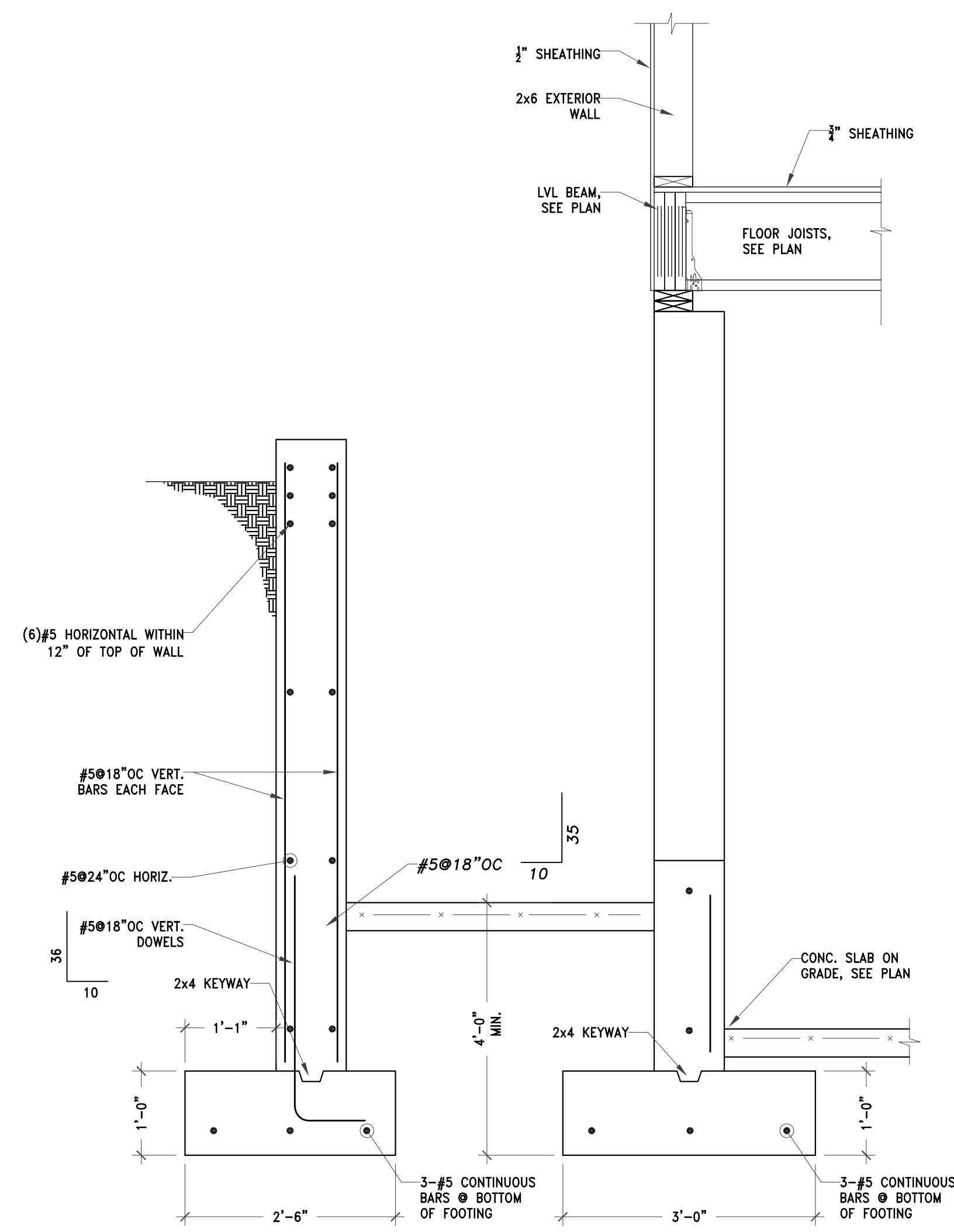
5 FOUNDATION DETAIL
SCALE: 3/4\"/>



6 FOUNDATION DETAIL
SCALE: 3/4\"/>



7 FOUNDATION DETAIL
SCALE: 3/4\"/>



8 FOUNDATION DETAIL
SCALE: 3/4\"/>



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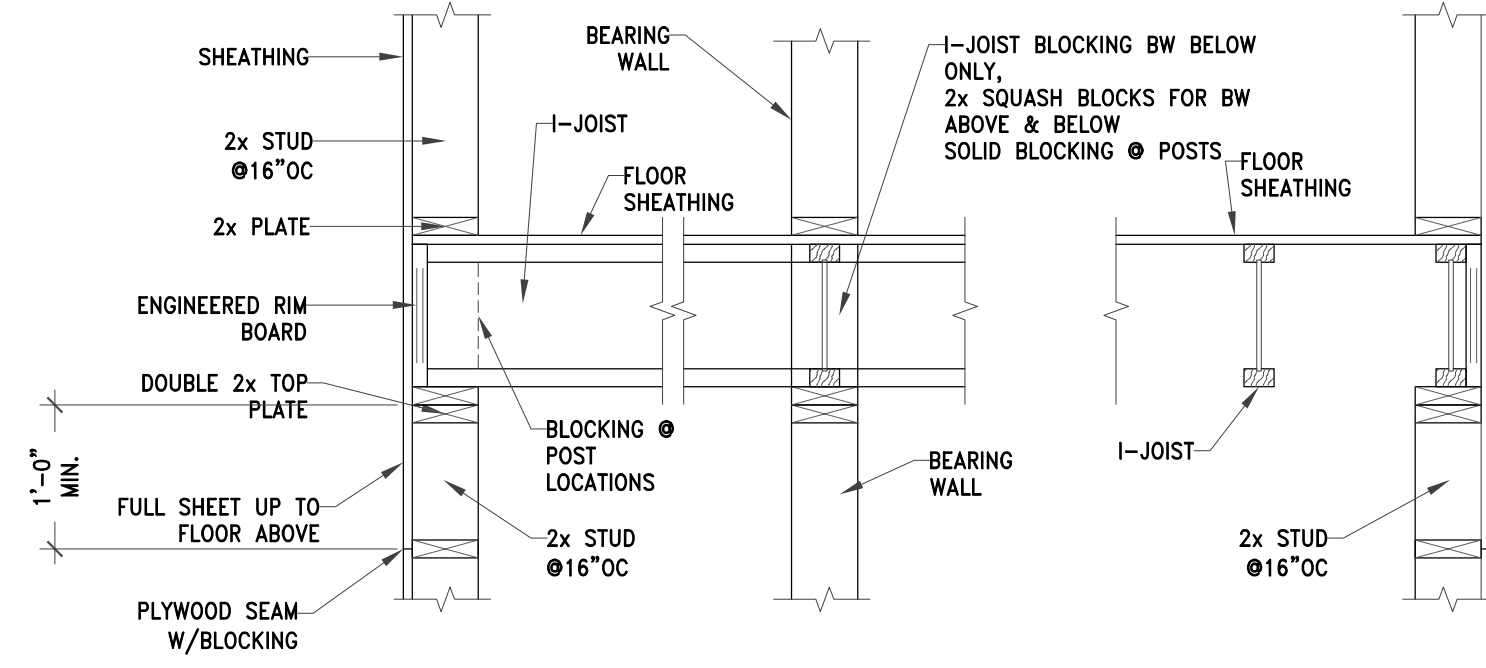
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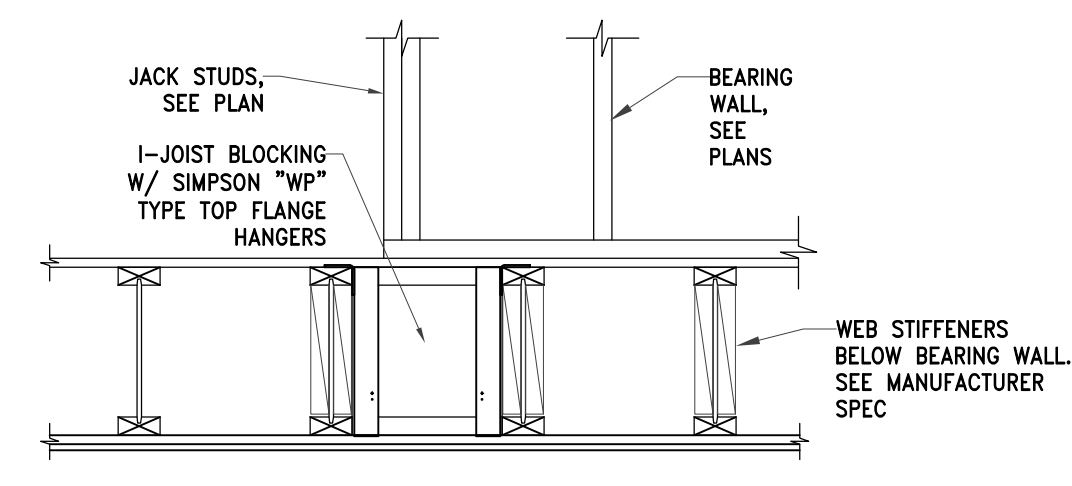
DRAWING SCALES SHOWN ARE BASED ON AN 24x36 SIZE DRAWING

FOUNDATION DETAILS

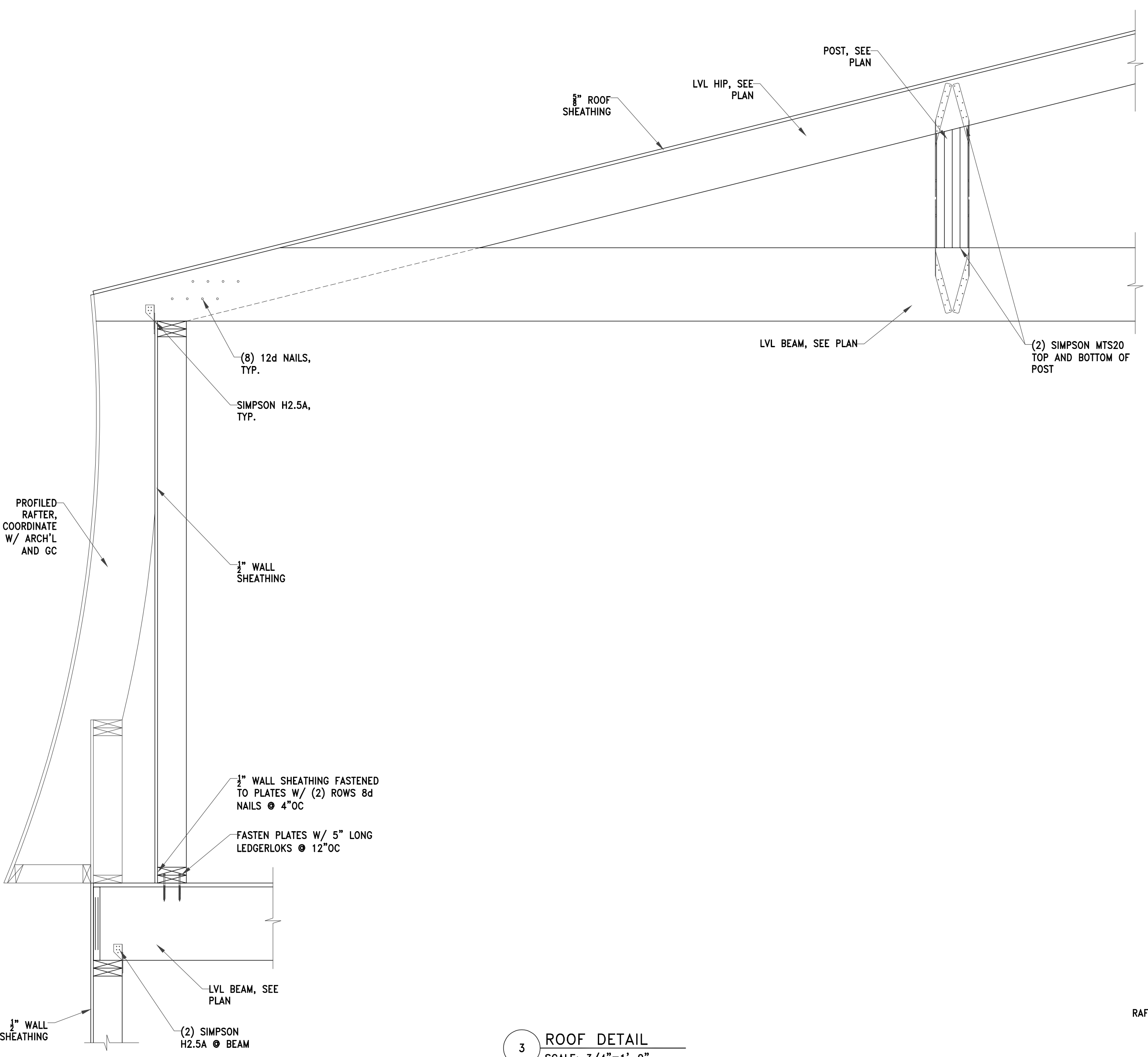
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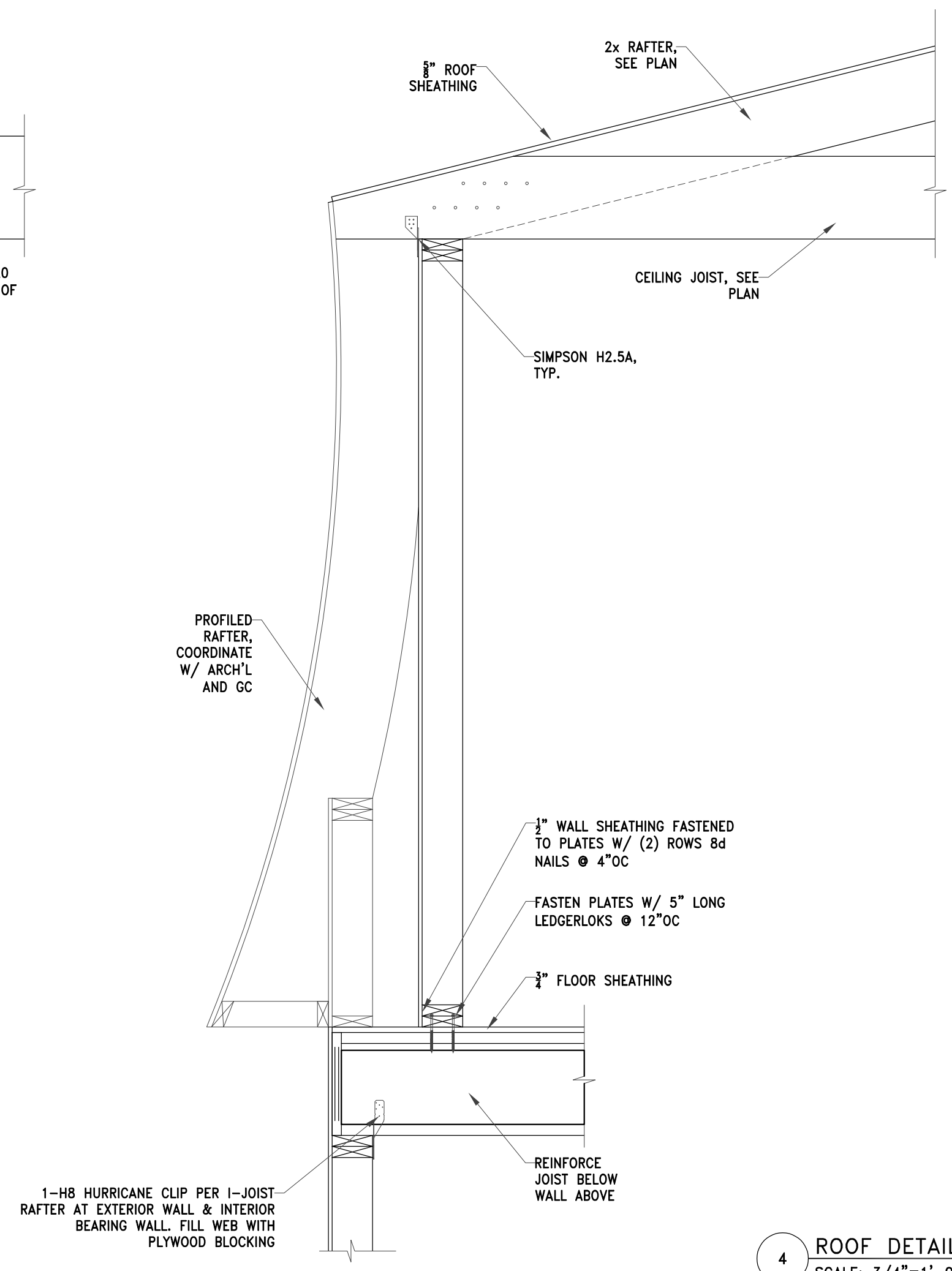
1 TYPICAL JOIST DETAIL
SCALE: 3/4"=1'-0"



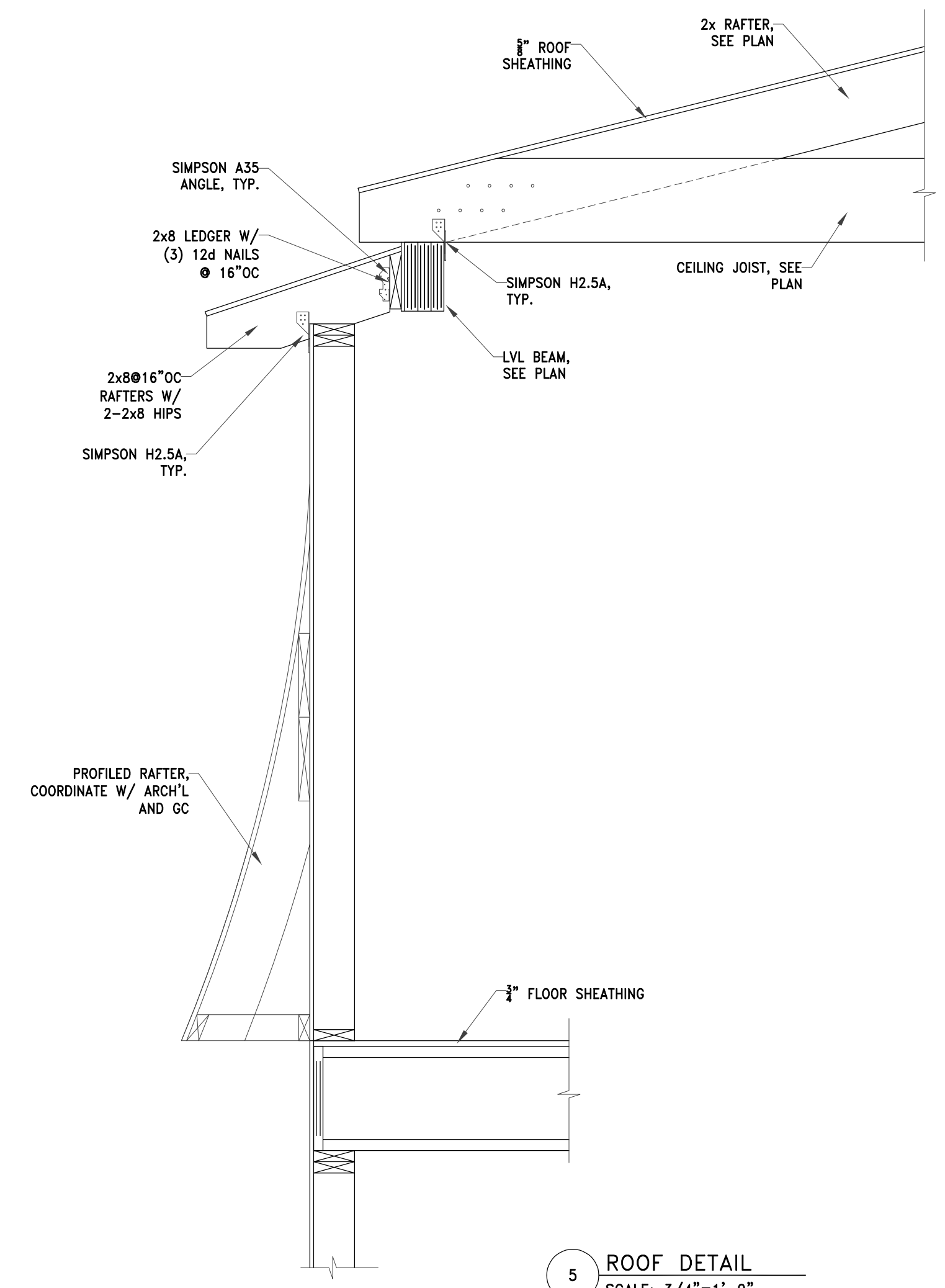
2 I JOIST REINFORCEMENT DETAILS
SCALE: 3/4"=1'-0"



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



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



5 ROOF DETAIL
SCALE: 3/4"=1'-0"



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FOUNDATION DETAILS

S5.0



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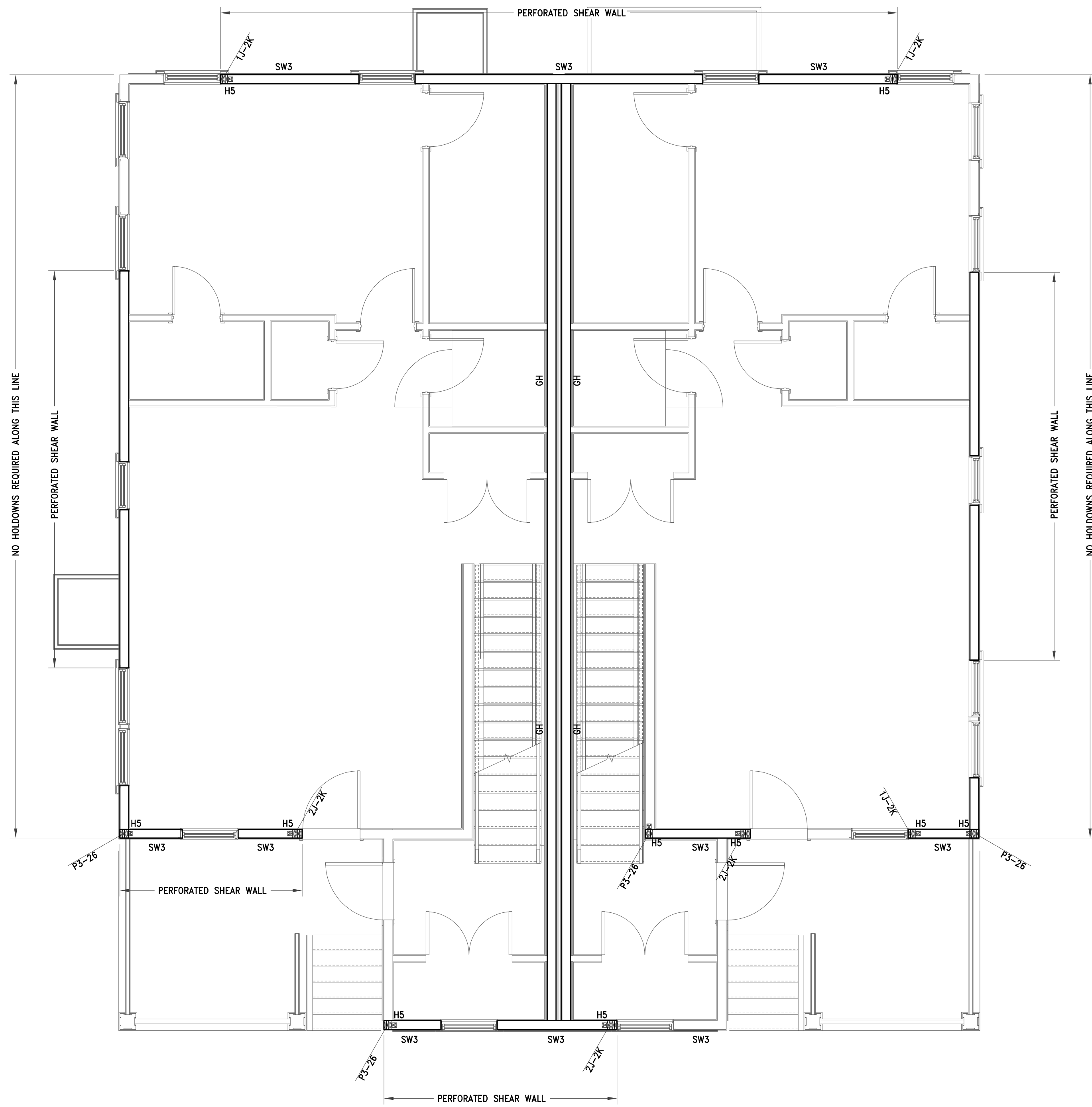
UPDATED

Date : 15 APRIL, 2025

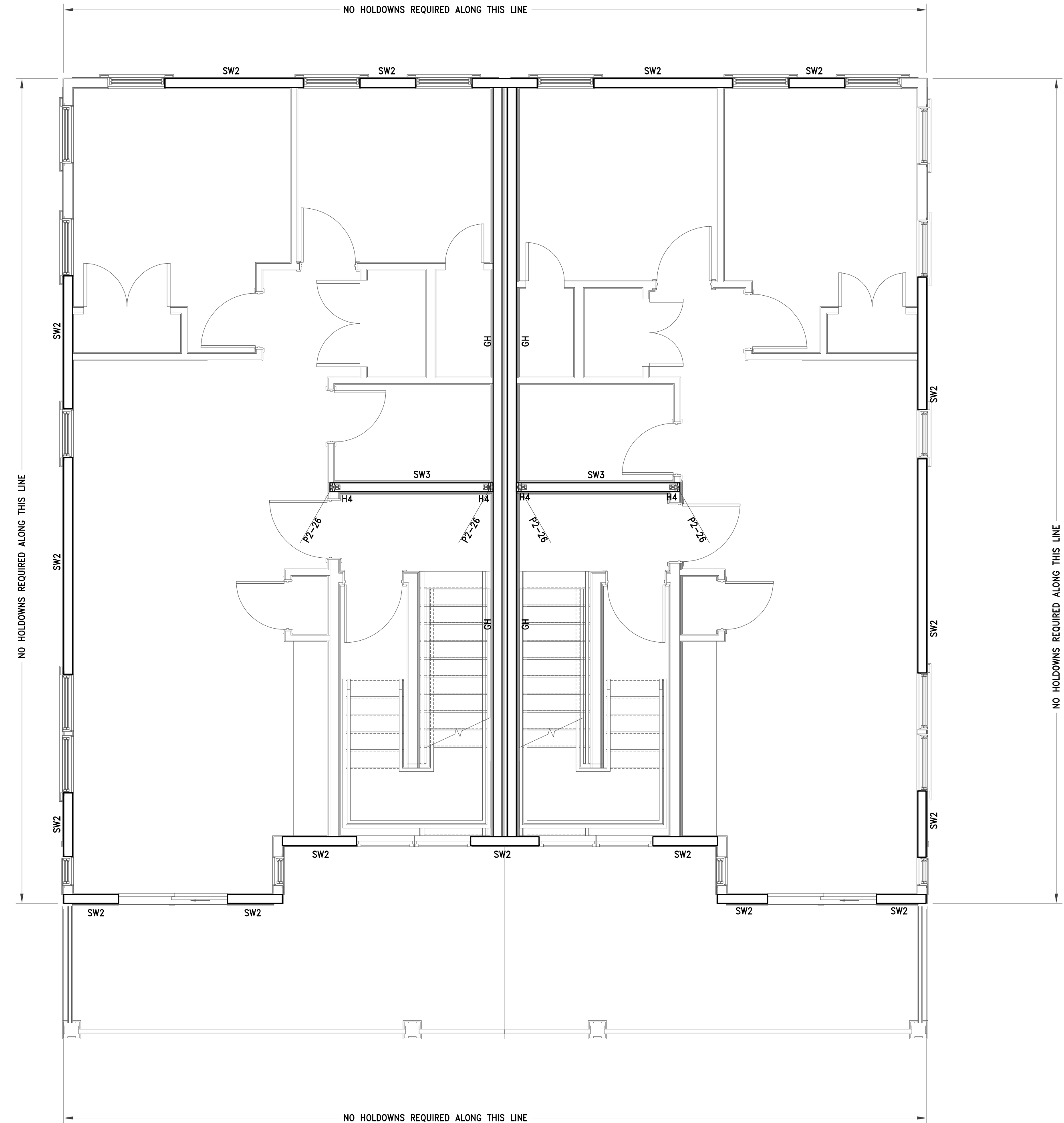
DRAWING SCALES
SHOWN ARE BASED ON
AN 24x36 SIZE DRAWING

SHEAR WALLS

S6.0



FIRST FLOOR SHEAR WALLS
SCALE: 1/4"=1'-0"



SECOND FLOOR SHEAR WALLS
SCALE: 1/4"=1'-0"

LATERAL FRAMING NOTES:

1. THE STRUCTURAL DESIGN OF THIS RESIDENCE WAS PERFORMED IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE.
2. FRAMING COMPONENTS AND FASTENERS AS IDENTIFIED IN THESE DRAWINGS AND NOTES ADEQUATELY RESIST THE LATERAL LOAD REQUIREMENTS AS DEFINED BY THE INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS.
3. ALL PLYWOOD SEAMS IN A SHEARWALL SHALL BE BLOCKED WITH DIMENSIONAL LUMBER OF THE SAME SIZE AS THE WALL STUDS.
4. REFER TO PLANS AND SECTIONS FOR STUD SIZES, STUDS SHALL BE SPACED AT 16 INCHES ON CENTER UNLESS NOTED OTHERWISE ON PLAN.
5. CARE SHOULD BE TAKEN TO ADJUST NAIL GUN PRESSURE SO AS TO NOT OVER DRIVE NAILS INTO PLYWOOD. NAIL HEADS SHOULD BE FLUSH WITH PLYWOOD FACE. OVER DRIVING NAILS GREATLY REDUCES THE EFFECTIVENESS OF THE SHEARWALL.
6. FOR FRAMING SIZES REFER TO FRAMING PLANS.

SHEARWALL SCHEDULE

| SHEARWALL ID TAG | PLYWOOD | WALL STUDS | BLOCKING | NAILING |
|------------------|---|------------|----------------------|----------------------|
| ID TAG | ON PLAN | MODEL # | HOLDOWN FASTENED TO: | FASTENERS TO FRAMING |
| GH | GYP FASTENING (PANEL EDGES MUST BE BLOCKED) FUNCTIONS SUFFICIENTLY AS HOLDOWN | | | |
| PH | PLYWOOD FASTENING FUNCTIONS SUFFICIENTLY AS HOLDOWN | | | |
| SW1 | SINGLE SIDE | SINGLE 2x | UNBLOCKED | 8d @ 6" O.C. |
| SW2 | SINGLE SIDE | SINGLE 2x | BLOCKED | 8d @ 6" O.C. |
| SW3 | SINGLE SIDE | SINGLE 2x | BLOCKED | 8d @ 4" O.C. |
| SW4 | SINGLE SIDE | SINGLE 2x | BLOCKED | 8d @ 3" O.C. |
| SW5 | SINGLE SIDE | DOUBLE 2x | BLOCKED | 8d @ 2" O.C. |
| SW6 | BOTH SIDES | DOUBLE 2x | BLOCKED | 8d @ 3" O.C. |
| SW7 | BOTH SIDES | DOUBLE 2x | BLOCKED | 8d @ 2" O.C. |

SHEARWALL NOTES:
1. ALL SHEARWALLS ASSUMED TO HAVE 1/2" GYPSUM BOARD (DRYWALL) FASTENED TO STUDS W/ #6 SCREWS AT 8" O.C. EDGE & 12" O.C. FIELD

HOLDOWN SCHEDULE

| HOLDOWN ID TAG ON PLAN | SIMPSON MODEL # | HOLDOWN FASTENED TO: | FASTENERS TO FRAMING | THREADED ROD DIAMETER | THREADED ROD EMBED. INTO CONC. |
|------------------------|-----------------|----------------------|---|-----------------------|--------------------------------|
| H2 | HDU2-SDS2.5 | 2-SPF WALL STUD | SDS SCREWS | 5/8" DIA. | 8" |
| STRAP OPT | MSTC40 | 2-SPF WALL STUD | 28-2 1/2" 10d 1/2" ABOVE & 1/2" BELOW RIM | 5/8" DIA. | 8" |
| H4 | HDU4-SDS2.5 | 2-SPF WALL STUD | SDS SCREWS | 5/8" DIA. | 8" |
| STRAP OPT | MSTC52 | 2-SPF WALL STUD | 44-2 1/2" 10d 3/4" ABOVE & 1/2" BELOW RIM | 5/8" DIA. | 8" |
| H5 | HDU5-SDS2.5 | 2-SPF WALL STUD | SDS SCREWS | 5/8" DIA. | 8" |
| STRAP OPT | MSTC52 | 2-SPF WALL STUD | 48-2 1/2" 10d 3/4" ABOVE & 1/2" BELOW RIM | 5/8" DIA. | 8" |
| H8 | HDU8-SDS2.5 | 3-SPF WALL STUD | SDS SCREWS | 7/8" DIA. | 12" |
| STRAP OPT | MST72 | 3-SPF WALL STUD | 68-2 1/2" 10d 1/2" ABOVE & 1/2" BELOW RIM | 7/8" DIA. | 12" |
| H8-DF | HDU8-SDS2.5 | 3-DF/SP WALL STUD | SDS SCREWS | 7/8" DIA. | 12" |
| H11 | HDU11-SDS2.5 | 6x6 DF POST | SDS SCREWS | 1" DIA. | 12" |
| H14 | HDU14-SDS2.5 | 6x6 DF POST | SDS SCREWS | 1" DIA. | 16" ** |
| ST1 | CS-20x42" LONG | 2-SPF WALL STUD | 18-2 1/2" 10d 1/2" ABOVE & 1/2" BELOW RIM | 16" ** | |

HOLDOWN NOTES:

1. STRAP OPTION MAY BE USED IN LIEU OF HOLDOWN AT UPPER FLOOR LEVELS
2. ALL THREADED ROD HOLDOWNS SHALL BE FASTENED TO CONCRETE FOUNDATIONS WITH SIMPSON AT-XP HIGH STRENGTH EPOXY SYSTEM INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
3. ALL MULTI-PLY WALL STUDS FASTENED TO HOLDOWNS SHALL BE GANGED TOGETHER IN ACCORDANCE WITH BUILDING CODE AND GENERAL NOTES.
4. ** - HDU14 REQUIRES HEAVY-HEX NUT
5. "PAIR" - INDICATES ONE HOLDOWN ABOVE FLOOR SYSTEM CONNECTED TO A SECOND HOLDOWN BELOW THE FLOOR SYSTEM
6. # - INDICATES SHEARWALL HOLDOWN LOCATION AT BASE OF WALL BELOW THIS FRAMING LEVEL. REFERENCE SHEARWALL PLAN AND DETAILS FOR ADDITIONAL INFORMATION.
7. HD-A - INDICATES SHEARWALL HOLDOWN LOCATION AT BASE OF WALL ABOVE THIS FRAMING LEVEL. REFERENCE SHEARWALL PLAN AND DETAILS FOR ADDITIONAL INFORMATION. PROVIDE ADDITIONAL FRAMING AS REQUIRED TO ACCOMMODATE "PAIR" HOLDOWNS.

LEGEND

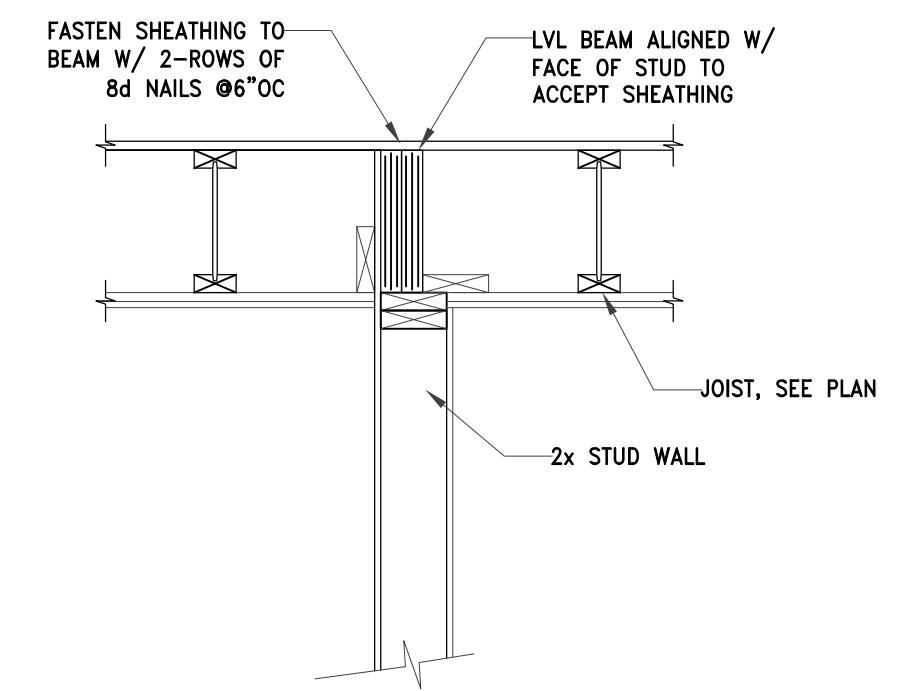
- BW = BEARING WALL
- FVP = FLAT VALLEY PLATE
- (E) = EXISTING
- DF/SP = DOUG FIR/So. PINE
- (N) POST ABOVE FRAMING LEVEL
- (B) POST BELOW FRAMING LEVEL
- NUMBER OF STUDS IF APPLICABLE
- SIZE OF STUD OR DIMENSION OF SOLID POST
- TYPE OF POST: P-POST, J-JACK, K-KING, PSL-PARALLAM POST, LC-LALLY COLUMN, HSS-HOLLOW STRUCTURAL SECTION



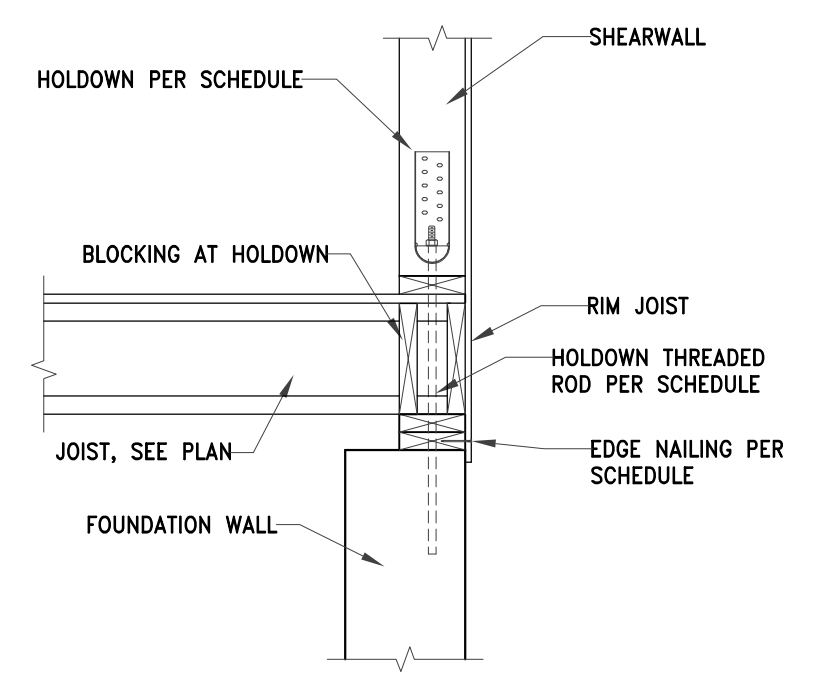
PROVIDE AND INSTALL SOLID BLOCKING AS SPECIFIED IN SHEARWALL PLAN, FASTEN PLYWOOD TO BLOCKING IN ACCORDANCE WITH SHEARWALL PLAN.

FRAMER NOTE:
 PROVIDE AND INSTALL HORIZONTAL 4'x8' PLYWOOD PANEL CENTERED ON THE RIM JOIST. THIS PLYWOOD TIE PANEL SHALL BE FASTENED TO THE BOTTOM OF ALL UPPER FLOOR STUDS WITH 8d NAILS @ 6" O.C. (3 NAILS PER STUD). PLYWOOD PANEL SHALL BE FASTENED TO THE CONTINUOUS RIM JOIST WITH (2) ROWS OF 10d NAILS @ 6" O.C. THIS PLYWOOD TIE PANEL SHALL BE FASTENED TO TOP OF ALL LOWER FLOOR STUDS WITH 8d NAILS @ 6" O.C. (3 NAILS PER STUD). ALL SOLE PLATES AND TOP PLATES SHALL BE NAILED WITH 8d NAILS @ 6" O.C.
 **EXCEPTION:
 PLYWOOD PANEL SHALL BE FASTENED TO EVERY FULL HEIGHT KING STUD AND JACK STUD AT ALL WINDOW AND DOOR LOCATIONS WITH 5-8d NAILS INTO EACH KING AND JACK

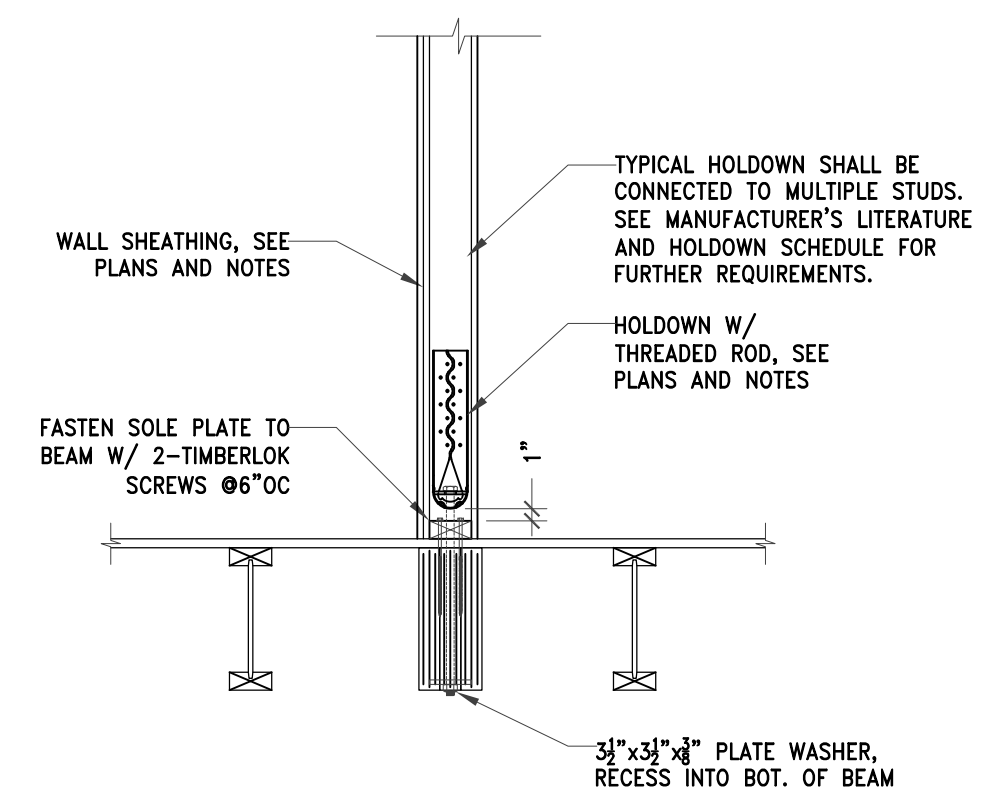
1 PLYWOOD TIE PANEL DETAIL ACROSS FLOOR LEVELS
 SCALE: 3/4"=1'-0"



2 INTERIOR SHEARWALL CONN TO BEAM ABOVE
 SCALE: 3/4"=1'-0"



3 HOLDOWN CONNECTION TO FDN
 SCALE: 3/4"=1'-0"



4 TYPICAL INTERIOR SHEARWALL HOLDOWN @ BEAM
 SCALE: 3/4"=1'-0"



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**SHEAR WALLS
 DETAILS**

S6.1