

# WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

Owner

Chicago, IL 60611

BOOTH HANSEN  
333 South Des Plaines Street  
Chicago, IL 60661

RAMAKER  
855 Community Drive  
Sauk City, WI 53583

OWNER

ARCHITECT

STRUCTURES



## DRAWINGS

### SHEET LIST - GENERAL

| Sheet Number | Sheet Name          |
|--------------|---------------------|
| G001         | GENERAL INFORMATION |
| G002         | CODE ANALYSIS       |

### SHEET LIST - ARCHITECTURAL

| Sheet Number | Sheet Name                      |
|--------------|---------------------------------|
| A001         | SITE PLAN                       |
| A100         | BASEMENT & LEVEL 1 PLAN         |
| A101         | LEVEL 2 & ROOF PLAN             |
| A110         | BASEMENT & LEVEL 1 RCP          |
| A111         | LEVEL 2 RCP                     |
| A200         | EXTERIOR ELEVATIONS             |
| A201         | EXTERIOR ELEVATIONS             |
| A300         | BUILDING SECTION                |
| A301         | BUILDING SECTIONS               |
| A302         | WALL SECTIONS & DETAILS         |
| A303         | WALL SECTIONS & DETAILS         |
| A400         | ENLARGED STAIR PLANS & SECTIONS |
| A401         | INTERIOR ELEVATIONS             |
| A402         | INTERIOR ELEVATIONS             |
| A600         | SCHEDULES                       |
| A601         | SCHEDULES                       |

### SHEET LIST - STRUCTURAL

| Sheet Number | Sheet Name                                  |
|--------------|---------------------------------------------|
| S001         | STRUCTURAL NOTES                            |
| S101         | FOUNDATION & 1ST FLR PLAN                   |
| S102         | SECOND FLR PLAN & ROOF FRAMING PLAN         |
| S301         | FOUNDATION DETAILS & SCHEDULES              |
| S302         | FOUNDATION DETAILS                          |
| S601         | WOOD LATERAL SHEAR WALL DETAILS & SCHEDULES |
| S602         | WOOD GRAVITY WALL & HDR DETAILS & SCHEDULES |
| S603         | WOOD FLOOR FRAMING DETAILS                  |
| S604         | WOOD ROOF FRAMING DETAILS                   |

### SHEET LIST - MECHANICAL

| Sheet Number | Sheet Name            |
|--------------|-----------------------|
| M100         | DUCT ROUTING DIAGRAMS |

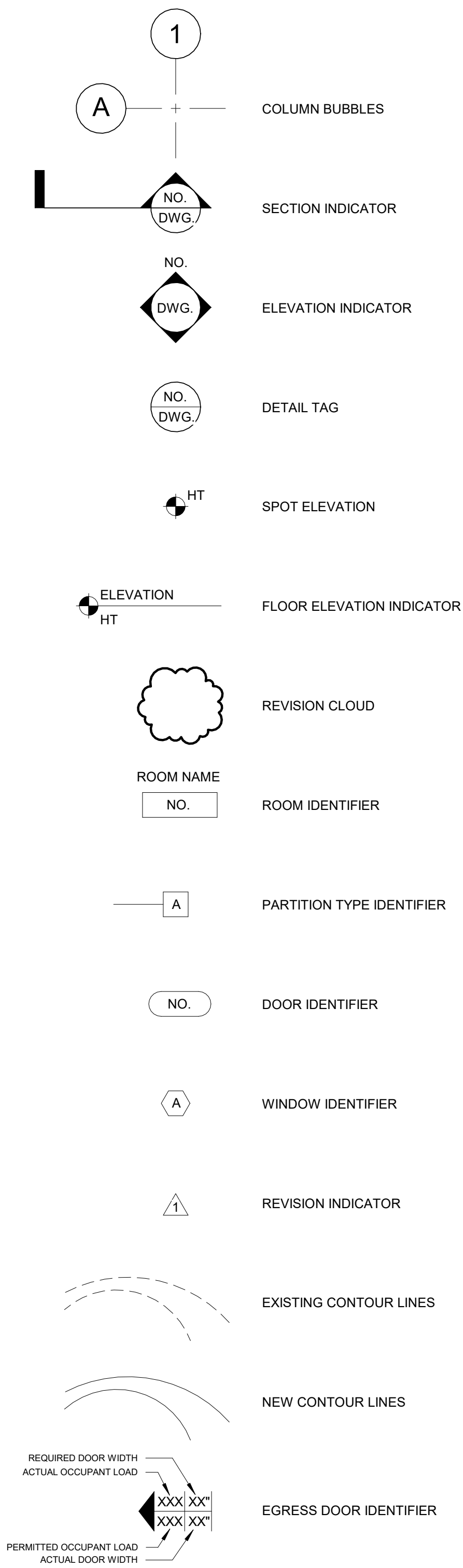
ISSUED FOR CONSTRUCTION NOVEMBER 19, 2021



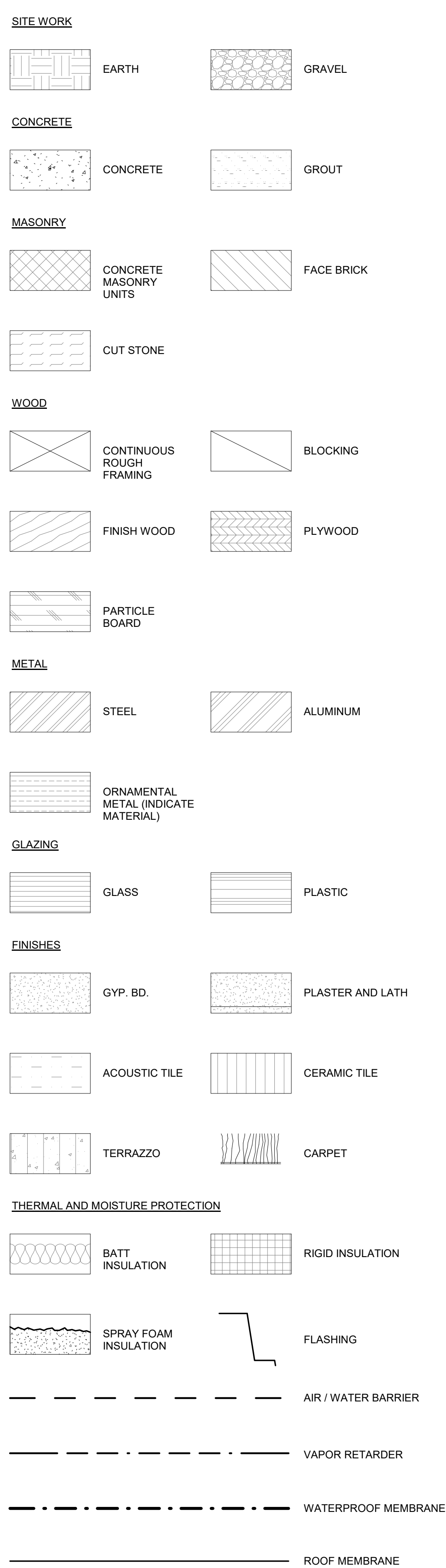
ABBREVIATIONS

|          |                                      |           |                                |
|----------|--------------------------------------|-----------|--------------------------------|
| A.F.F.   | above finished floor                 | M.H.      | manhole                        |
| ACOUST.  | acoustic(al)                         | MANUF.    | manufacturer                   |
| ACT      | acoustical ceiling tile              | M.O.      | masonry opening                |
| ADJ      | adjustible                           | MATL      | material(s)                    |
| A/C      | air conditioning                     | MAX       | maximum                        |
| ALUM.    | aluminum                             | MECH.     | mechanical                     |
| ARCH.    | architect(ural)                      | MTL       | metal                          |
| A.D.     | area drain                           | MIN.      | minimum                        |
|          |                                      | MISC.     | miscellaneous                  |
| BSMT.    | basement                             | MULL      | mullion                        |
| BM       | beam                                 |           |                                |
| BTWN     | between                              | N.R.C.    | noise reduction coefficient    |
| BIT      | bituminous                           | NO.       | number                         |
| BLK      | block                                | NOM.      | nominal                        |
| BLKNG    | blocking                             | N         | north                          |
| BD       | board                                | N.I.C.    | not in contract                |
| BTM.     | bottom                               | N.T.S.    | not to scale                   |
| B/       | bottom of                            |           |                                |
| BLDG     | building                             | O.C.      | on center(s)                   |
| B.U.R.   | built up roofing                     | OPNG      | opening                        |
|          |                                      | OPP.      | opposite                       |
|          |                                      | O.D.      | outside diameter               |
|          |                                      | O.H.      | overhead                       |
| CPT      | carpet                               | PNT       | paint(ed)                      |
| C.I.     | cast iron                            | PART. BD. | particle board                 |
| C.B.     | catch basin                          | P. LAM.   | plastic laminate               |
| CLG      | ceiling                              | PLUMB.    | plumbing                       |
| C.T.     | ceramic tile                         | PLYWD     | plywood                        |
| COL.     | column                               | PT        | point                          |
| CONC.    | concrete                             | P.V.C.    | polyvinyl chloride             |
| C.M.U.   | concrete masonry unit                | PFIN      | prefinished                    |
| CONST.   | construction                         |           |                                |
| CONT.    | continuous or continue               | Q.T.      | quarry tile                    |
| C.O.     | carbon monoxide                      |           |                                |
| CONTR.   | contract(or)                         | REFRIG.   | refrigerator                   |
| C.J.     | control joint                        | REQ'D     | required                       |
| C.S.     | counter sink                         | R.A.      | return air                     |
|          |                                      | R.O.W.    | right of way                   |
| DTL      | detail                               | R         | riser                          |
| DIAM.    | diameter                             | R.D.      | roof drain                     |
| DIM.     | dimension                            | RM        | room                           |
| DR       | door                                 | R.O.      | rough opening                  |
| D.H.     | double hung                          | R.S.      | roller shade                   |
| DN       | down                                 |           |                                |
| D.S.     | down spout                           | S.A.      | supply air                     |
| DWG      | drawing                              | SECT.     | section                        |
| D.F.     | drinking fountain                    | SHT       | sheet                          |
|          |                                      | SIM       | similar                        |
| E        | east                                 | S.C.      | solid core                     |
| ELEC     | electric(al)                         | S.T.C.    | sound transmission coefficient |
| E.W.C.   | electric water cooler                | S         | south                          |
| EMER.    | emergency                            | SPRK      | sprinkler                      |
| EQ.      | equal                                | SQ.       | square                         |
| EXIST.   | existing                             | SQ. FT.   | square feet                    |
| EXP.     | exposed                              | SQ. IN.   | square inches                  |
| EXT.     | exterior                             | S.S.      | stainless steel                |
|          |                                      | STD       | standard                       |
| FIN      | finish(ed)                           | STL       | steel                          |
| F.A.C.P. | fire alarm control panel             | STOR.     | storage                        |
| F.E      | fire extinguisher                    | STRUCT.   | structural                     |
| F.E.C.   | fire extinguisher cabinet            | SUSP.     | suspended                      |
| F.H.S.   | fire hose station                    | SYM.      | symetrical                     |
| FL       | floor(ing)                           |           |                                |
| F.D.     | floor drain                          | T.V.      | television                     |
| FTNG     | footing                              | T.C.      | terra cotta                    |
| FDN      | foundation                           | THK       | thick(ness)                    |
|          |                                      | T&G       | tongue and groove              |
| GA       | gauge                                | T/        | top of                         |
| GALV.    | galvanized                           | T         | Tread                          |
| G.C.     | general contract(or)                 | TYP.      | typical                        |
| GL       | glass, glazing                       |           |                                |
| GYP. BD. | gypsum wall board                    | U.N.O.    | unless noted otherwise         |
|          |                                      | U.L.      | Underwriters' Laboratory       |
| HDWD     | hardwood                             | VERT.     | vertical                       |
| HTG      | heating                              | V.I.F.    | verify in field                |
| HVAC     | heating/ventilating/air conditioning | V.B.      | vinyl base                     |
| HT       | height                               | V.C.T.    | vinyl composition tile         |
| H.M.     | hollow metal                         | V.T.      | vinyl tile                     |
| H.P.     | high point                           | V.W.C.    | vinyl wall covering            |
| HORIZ.   | horizontal                           |           |                                |
| H.B.     | hose bib                             | W.C.      | water closet                   |
|          |                                      | W.P.      | water proofing                 |
| I.D.     | inside diameter                      | W.R.      | water resistant                |
| IC       | impact insulation class              | W.W.F.    | welded wire fabric             |
| INSUL.   | insulation                           | W         | west                           |
| INT.     | interior                             | WNDW      | window                         |
| INV.     | invert                               | W/        | with                           |
|          |                                      | W/IN      | within                         |
| JT       | joint                                | W/O       | without                        |
| LAM.     | laminate(d)                          | WD        | wood                           |
| LAV.     | lavatory                             | W.P.      | work point                     |
| L        | length, long                         | W.I.      | wrought iron                   |
| L.P.     | low point                            | W.H.      | water heater                   |
| LVT      | luxury vinyl tile                    |           |                                |
| LT       | light                                |           |                                |

GRAPHIC SYMBOLS



MATERIAL DESIGNATIONS



GENERAL ARCHITECTURAL NOTES:

1. ANY CONFLICTS IN THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ARCHITECTS ATTENTION PRIOR TO CONSTRUCTION OF THE ITEM.
2. CONTRACTOR SHALL STAKE SITE OUT AND CONFIRM BUILDING LOCATION ON SITE RELATIVE TO PROPERTY LINES AND ZONING SETBACKS AS DESCRIBED IN THE OWNER'S SURVEY AND THE CONTRACT DOCUMENTS PRIOR TO START OF CONSTRUCTION.
3. ALL DIMENSIONS ARE TO FINISHED FACE OF WALL, U.N.O.
4. DRAWINGS ARE NOT TO BE SCALED. IF FIELD VERIFIED DIMENSIONS DIFFER FROM THE WRITTEN DIMENSIONS ON THE DRAWINGS THE CONTRACTOR IS TO IMMEDIATELY CONTACT THE DESIGNER FOR VERIFICATION.
5. ANY APPLIED LIVE LOADINGS ON THE STRUCTURE DURING THE CONSTRUCTION PROCESS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR CONFIRMATION THAT SUCH LOADING CAN BE ACCOMMODATED BY THE BUILDING STRUCTURAL DESIGN.
6. ALL CONCRETE SLABS ON GRADE SHALL HAVE A MINIMUM CLASS A VAPOR RETARDER.
7. CONCRETE FLOOR SLAB TOLERANCES SHALL BE: FOR FLATNESS SOV (SPECIFIED OVERALL VALUE) OF FF30 AND MLV (SPECIFIED MINIMUM VALUE) OF FF24; FOR LEVELNESS SOV OF FL20 AND MLV OF FL15, IF NOT SPECIFIED IN CONCRETE SPECIFICATIONS.
8. CONTROL JOINTS ON CONCRETE SLABS ON GRADE SHALL BE CAULKED WITH A CONCRETE COLORED SEALANT AS SPECIFIED.
9. CONCRETE FLOOR SLAB FINISHES SHALL MEET THE APPLIED FLOOR FINISH, ROOF OR WATERPROOFING MATERIAL MANUFACTURERS REQUIREMENTS.
10. ALL SURFACES TO BE PAINTED SHALL BE PREPPED PER THE PAINT MANUFACTURER RECOMMENDATIONS.
11. ELECTRICAL PANELS, AND HVAC AND MECHANICAL GRILLES ETC. TO BE PAINTED TO MATCH THE BACKGROUND COLOR OF THE ADJACENT WALL COVERING OR WALL UNLESS LOCAL CODES REQUIRE OTHERWISE.
13. MAINTAIN MINIMUM CODE REQUIRED VERTICAL CLEARANCE IN ALL EGRESS PATHS.
14. TEMPORARY FALL PROTECTION SHALL BE PROVIDED ALONG EDGES OF FLOOR AREAS GREATER THAN 2'-0" ABOVE ADJACENT FLOOR OR GROUND LEVEL.
15. NO BUILDING MATERIAL SHALL BE INSTALLED IN AN ENVIRONMENT THAT IS NOT ACCEPTABLE TO THE MANUFACTURER OF SUCH A PRODUCT.

BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|-----|-------------|------|

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

|                |      |
|----------------|------|
| PROJECT NUMBER | 2111 |
|----------------|------|

WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

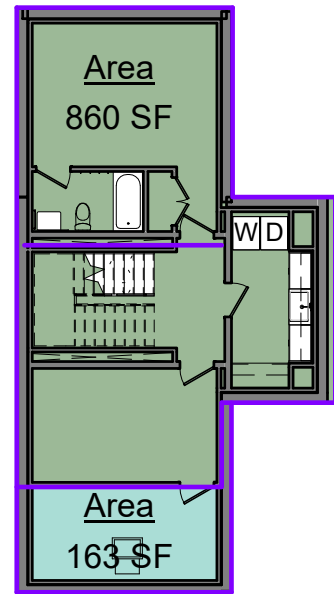
GENERAL INFORMATION

G001

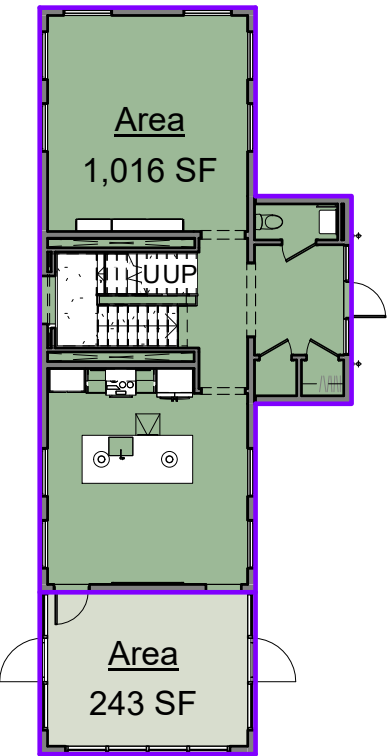


| Item                                                                                                                          | Issue           | Chapter / Article | Ordinance Requirement | Actual | Location / Sheet No. | Comments                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|-----------------------|--------|----------------------|---------------------------------------------------------------------------------------------------|
| <b>ENERGY CODE REQUIREMENTS</b>                                                                                               |                 |                   |                       |        |                      |                                                                                                   |
| 1.01 Showing Compliance                                                                                                       | a) Prescriptive | SPS 322.30        |                       |        |                      |                                                                                                   |
| 1.02 Building Thermal Envelope                                                                                                |                 | Table 322.31-1    |                       |        |                      |                                                                                                   |
| a) Climate Zone                                                                                                               |                 |                   | 2                     |        |                      |                                                                                                   |
| b) Fenestration U-Factor                                                                                                      |                 |                   | 0.35                  |        |                      |                                                                                                   |
| c) Skylight U-Factor                                                                                                          |                 |                   | 0.60                  |        |                      |                                                                                                   |
| d) Ceiling R-Value                                                                                                            |                 |                   | 49                    |        |                      |                                                                                                   |
| e) Wood Frame Wall R-Value                                                                                                    |                 |                   | 21                    |        |                      |                                                                                                   |
| f) Mass Wall R-Value                                                                                                          |                 |                   | 19/21                 |        |                      | Above-ground walls of masonry cavity per R402.2.5                                                 |
| g) Floor R-Value                                                                                                              |                 |                   | 38                    |        |                      | Or insulation sufficient to fill the framing cavity with a minimum of R-19.                       |
| h) Basement Wall R-Value                                                                                                      |                 |                   | 15/19                 |        |                      | continuous @ interior or exterior / interior cavity                                               |
| i) Crawl space Wall R-Value                                                                                                   |                 |                   | 10/13                 |        |                      |                                                                                                   |
| j) Heated slab R-Value                                                                                                        |                 |                   | 10/15                 |        |                      |                                                                                                   |
| k) Unheated slab R-Value                                                                                                      |                 |                   | 10                    |        |                      | The R-value applies to any slab, the bottom of which is less than 12 inches below adjacent grade. |
| 1.03 Thermally Isolated Sunrooms                                                                                              |                 | SPS 322.35        |                       |        |                      |                                                                                                   |
| a) Roofs                                                                                                                      |                 |                   | R-24                  |        |                      |                                                                                                   |
| b) opaque walls                                                                                                               |                 |                   | R-13                  |        |                      |                                                                                                   |
| c) Max fenestration U-Factor                                                                                                  |                 |                   | 0.5                   |        |                      |                                                                                                   |
| d) Max skylight U-factor                                                                                                      |                 |                   | 0.75                  |        |                      |                                                                                                   |
| 2.00 Air Leakage                                                                                                              |                 | SPS 322.37        |                       |        |                      |                                                                                                   |
| a) Windows, skylights, sliding glass doors                                                                                    |                 |                   | 0.3 cfm per sq ft     |        |                      |                                                                                                   |
| b) Swinging doors                                                                                                             |                 |                   | 0.5 cfm per sq ft     |        |                      |                                                                                                   |
| 3.00 Vapor Retarder                                                                                                           |                 | SPS 322.38        |                       |        |                      |                                                                                                   |
| a) Provide in all frame walls, frame floors and frame ceilings installed on the warm in winter side of the thermal insulation |                 |                   |                       |        |                      |                                                                                                   |
| b) It shall cover the exposed insulation and interior face of the framing                                                     |                 |                   |                       |        |                      |                                                                                                   |
| c) Under concrete floor, min 6 mils                                                                                           |                 |                   |                       |        |                      |                                                                                                   |
| d) Not required:                                                                                                              |                 |                   |                       |        |                      |                                                                                                   |
| Where batt has foil or kraft paper backing on warm-in winter side                                                             |                 |                   |                       |        |                      |                                                                                                   |
| Where at least 50% of the req'd R-value is provided by spray foam w/ a perm rating of 1.0 or less                             |                 |                   |                       |        |                      |                                                                                                   |
| Under slab of an unconditioned attached garage                                                                                |                 |                   |                       |        |                      |                                                                                                   |

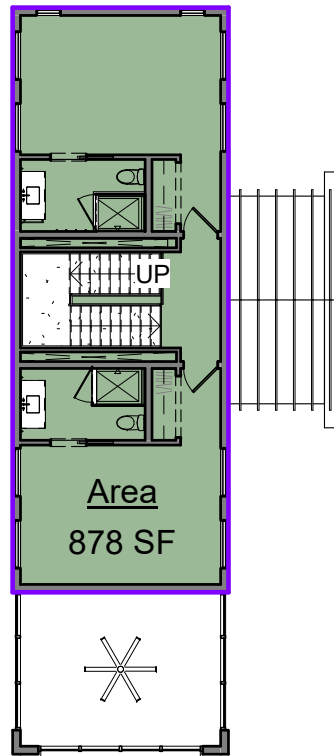
| GROSS BUILDING AREA |            |                           |
|---------------------|------------|---------------------------|
| LEVEL               | FLOOR AREA | NOTES                     |
| SECOND FLOOR        | 878 SF     |                           |
| FIRST FLOOR         | 1,016 SF   |                           |
| FIRST FLOOR         | 243 SF     | (EXTERIOR - SCREEN PORCH) |
| LOWER FLOOR         | 860 SF     |                           |
| LOWER FLOOR         | 163 SF     | (UNFINISHED - MECHANICAL) |
| Grand total         | 3,160 SF   |                           |



3 LOWER FLOOR  
1/16" = 1'-0"



1 FIRST FLOOR  
1/16" = 1'-0"



2 SECOND FLOOR  
1/16" = 1'-0"

| Item                                                                                                                                                                                                                 | Issue | Chapter / Article          | Ordinance Requirement                                    | Actual | Location / Sheet No. | Comments                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|----------------------------------------------------------|--------|----------------------|-------------------------------------------------------|
| <b>ZONING REQUIREMENTS</b>                                                                                                                                                                                           |       |                            |                                                          |        |                      |                                                       |
| 1.01 Zoning District                                                                                                                                                                                                 |       |                            | PUD                                                      |        |                      |                                                       |
| 2.01 Private Driveway                                                                                                                                                                                                |       | 360-9-J                    |                                                          |        |                      |                                                       |
| a) Min width                                                                                                                                                                                                         |       |                            | 18'                                                      |        |                      |                                                       |
| b) Min turning radius                                                                                                                                                                                                |       |                            | 50'                                                      |        |                      |                                                       |
| 3.01 R-1 Single-Family Residence                                                                                                                                                                                     |       | 360-37                     |                                                          |        |                      |                                                       |
| a) Roadway setback, Townroad                                                                                                                                                                                         |       | 360-37-B                   |                                                          |        |                      |                                                       |
| b) Sideyard setback                                                                                                                                                                                                  |       | 360-37-C                   | 10'                                                      |        |                      |                                                       |
| c) Rearyard setback                                                                                                                                                                                                  |       | 360-37-C                   | 10'                                                      |        |                      |                                                       |
| d) Building height (excludes chimneys)                                                                                                                                                                               |       | 360-37-D-1                 | 35' max.                                                 |        |                      |                                                       |
| e) Building Width                                                                                                                                                                                                    |       | 360-37-D-2                 | 24' min.                                                 |        |                      |                                                       |
| f) Roof pitch                                                                                                                                                                                                        |       | 360-37-D-3                 | 4/12                                                     |        |                      |                                                       |
| g) Overhang                                                                                                                                                                                                          |       | 360-37-D-4                 | Min 12"                                                  |        |                      |                                                       |
| h) Living area per dwelling unit                                                                                                                                                                                     |       | 360-37-E-1                 | 760 sf                                                   |        |                      |                                                       |
| <b>2019 BUILDING CODE REQUIREMENTS</b>                                                                                                                                                                               |       |                            |                                                          |        |                      |                                                       |
| 1.01 Occupancy                                                                                                                                                                                                       |       |                            | R3                                                       |        |                      |                                                       |
| 1.02                                                                                                                                                                                                                 |       |                            |                                                          |        |                      |                                                       |
| 2.01 Live Loads                                                                                                                                                                                                      |       | SPS 321.02                 |                                                          |        |                      |                                                       |
| a) Floors                                                                                                                                                                                                            |       |                            | 40 #/sf                                                  |        |                      |                                                       |
| b) Garage Floors                                                                                                                                                                                                     |       |                            | 50 #/sf                                                  |        |                      |                                                       |
| c) Exterior balconies, decks, porches                                                                                                                                                                                |       |                            | 40 #/sf                                                  |        |                      |                                                       |
| d) Ceilings w/ storage                                                                                                                                                                                               |       |                            | 20 #/sf                                                  |        |                      |                                                       |
| e) Ceilings w/o storage                                                                                                                                                                                              |       |                            | 5 #/sf                                                   |        |                      |                                                       |
| 2.02 Snow Loads                                                                                                                                                                                                      |       |                            |                                                          |        |                      |                                                       |
| Snow load listed on zone map                                                                                                                                                                                         |       |                            | Zone 2, 30 #/sf                                          |        |                      |                                                       |
| 2.03 Wind Loads                                                                                                                                                                                                      |       |                            |                                                          |        |                      |                                                       |
| 3.00 Number of Exits                                                                                                                                                                                                 |       | SPS 321.03                 |                                                          |        |                      |                                                       |
| a) Each dwelling unit shall be provided with at least 2 exist doors from first floor                                                                                                                                 |       |                            |                                                          |        |                      |                                                       |
| b) Exits from second floor                                                                                                                                                                                           |       | SPS 321.03(2)              | 2                                                        |        |                      |                                                       |
| 1 from a stairway that leads to the first floor and discharges at grade.                                                                                                                                             |       |                            |                                                          |        |                      |                                                       |
| 2 a stairway or a balcony <15 above grade                                                                                                                                                                            |       |                            |                                                          |        |                      |                                                       |
| 3 ILO (2), windows in each second floor bedroom                                                                                                                                                                      |       |                            |                                                          |        |                      |                                                       |
| 3.01 Exit separation, the greater of:                                                                                                                                                                                |       |                            |                                                          |        |                      |                                                       |
| a) 1/3 the length of the longest diagonal of the floor                                                                                                                                                               |       |                            |                                                          |        |                      |                                                       |
| b) 20 feet                                                                                                                                                                                                           |       |                            |                                                          |        |                      |                                                       |
| 3.02 Requirements for egress windows                                                                                                                                                                                 |       | SPS 321.03(6)              | 20x24                                                    |        |                      |                                                       |
| a) Net clear width                                                                                                                                                                                                   |       |                            |                                                          |        |                      |                                                       |
| b) the lowest point of clear opening shall be no more than 60 inches above the floor.                                                                                                                                |       |                            |                                                          |        |                      |                                                       |
| c) If the lowest point of clear opening is more than 48" AFF, install a permanent platform                                                                                                                           |       |                            |                                                          |        |                      |                                                       |
| 3.03 Requirements for Egress Doors                                                                                                                                                                                   |       | SPS 321.03(7)              |                                                          |        |                      |                                                       |
| a) One exit door shall be                                                                                                                                                                                            |       |                            | 80x36                                                    |        |                      |                                                       |
| b) All others shall be                                                                                                                                                                                               |       |                            | 76x32                                                    |        |                      |                                                       |
| c) Double doors shall be                                                                                                                                                                                             |       |                            | 30x76 clear each leaf                                    |        |                      |                                                       |
| Interior Circulation, the following must be accessed by a dooropening that is 80" with a net clear opening of 30" or be                                                                                              |       |                            |                                                          |        |                      |                                                       |
| 3.04 a 32" door                                                                                                                                                                                                      |       | SPS 321.03(5)(1)           |                                                          |        |                      |                                                       |
| a) All entrances into common use areas                                                                                                                                                                               |       |                            | -                                                        |        |                      |                                                       |
| b) 50% of bedrooms                                                                                                                                                                                                   |       |                            | -                                                        |        |                      |                                                       |
| 3.05 Hallways                                                                                                                                                                                                        |       | SPS 321.03(5)(2)           |                                                          |        |                      |                                                       |
| a) Clear Width                                                                                                                                                                                                       |       |                            | 36"                                                      |        |                      |                                                       |
| 3.06 Stairways                                                                                                                                                                                                       |       | SPS 321.04                 |                                                          |        |                      |                                                       |
| a) Min width                                                                                                                                                                                                         |       |                            | 36"                                                      |        |                      |                                                       |
| b) Max riser height                                                                                                                                                                                                  |       |                            | 8"                                                       |        |                      |                                                       |
| c) Min tread depth                                                                                                                                                                                                   |       |                            | 9"                                                       |        |                      |                                                       |
| d) Winder treads                                                                                                                                                                                                     |       |                            |                                                          |        |                      |                                                       |
| minimum tread depth of 7 inches measured at a point 12 inches from the narrow end of the tread.                                                                                                                      |       |                            |                                                          |        |                      |                                                       |
| The depth of the immediately adjoining winder treads shall be equal at a point 12 inches from the narrow end of the tread or inside face of spindles or balusters.                                                   |       |                            |                                                          |        |                      |                                                       |
| e) Min clear headheight                                                                                                                                                                                              |       |                            | 76"                                                      |        |                      |                                                       |
| 3.07 Handrails & Guardrails                                                                                                                                                                                          |       | SPS 321.04(3)              |                                                          |        |                      |                                                       |
| a) Provide min (1) handrail for any stair w/ >3 risers                                                                                                                                                               |       |                            |                                                          |        |                      |                                                       |
| b) Must prevent through-passage of a 4 3/8 sphere                                                                                                                                                                    |       |                            |                                                          |        |                      |                                                       |
| c) Ropel/cable infill can be strung w/ max opening of 3.5" and vertical supports 4' apart                                                                                                                            |       |                            |                                                          |        |                      |                                                       |
| d) Must withstand a 200lb load                                                                                                                                                                                       |       |                            |                                                          |        |                      |                                                       |
| e) Handrail height                                                                                                                                                                                                   |       |                            | 30" - 38"                                                |        |                      |                                                       |
| f) Guards min height                                                                                                                                                                                                 |       |                            | 36"                                                      |        |                      |                                                       |
| 3.08 Landings                                                                                                                                                                                                        |       |                            |                                                          |        |                      |                                                       |
| a) Min depth of landing in direction of travel                                                                                                                                                                       |       | SPS 321.04(4)(b)           | 36"                                                      |        |                      |                                                       |
| b) Exterior landings                                                                                                                                                                                                 |       |                            | max 8" below int FF                                      |        |                      |                                                       |
| 4.00 Natural Light and Ventilation                                                                                                                                                                                   |       |                            |                                                          |        |                      |                                                       |
| a) Natural light per habitable room                                                                                                                                                                                  |       |                            | 8%                                                       |        |                      |                                                       |
| b) Habitable rooms in basement, other than bedrooms                                                                                                                                                                  |       |                            | 0%                                                       |        |                      |                                                       |
| c) Natural Ventilation (door, skylight, window) net area                                                                                                                                                             |       |                            | 3.50%                                                    |        |                      |                                                       |
| 4.01 Safety glass                                                                                                                                                                                                    |       | SPS 321.04(3)              |                                                          |        |                      |                                                       |
| a) Glazing adjacent to door w/in 2 ft of door, w/in 5' of floor                                                                                                                                                      |       |                            |                                                          |        |                      |                                                       |
| b) In any wall where the glazing is within 5 feet vertically of the lowest part of the inner rim of a bathtub, hot tub, shower, spa or whirlpool appliance/drain inlet and within 3 feet horizontally of the nearest |       |                            |                                                          |        |                      |                                                       |
| c) Within 4 feet vertically of a tread or landing in a stairway and within one foot horizontally of the near edge of the tread or landing                                                                            |       |                            |                                                          |        |                      |                                                       |
| d) Within 4 feet vertically of the floor and 3 feet horizontally of the nosing of the top or bottom tread of a stair.                                                                                                |       |                            |                                                          |        |                      |                                                       |
| 5.00 Ceiling Height min                                                                                                                                                                                              |       | SPS 321.06                 | 7"                                                       |        |                      |                                                       |
| 5.01 Crawl Space, provide access opening                                                                                                                                                                             |       | SPS 321.06(2)              | min 14x24                                                |        |                      |                                                       |
| 6.00 Fire Separation                                                                                                                                                                                                 |       | SPS 321.08(1) Table 321.08 |                                                          |        |                      |                                                       |
| a) Detached garage or accessory building, <5 ft                                                                                                                                                                      |       |                            | 3/4 hr wall, 1/3 hr door & window                        |        |                      |                                                       |
| b) Detached garage or accessory building, other dwelling 5 ft to 10 ft                                                                                                                                               |       |                            | 3/4 hr wall, 1/3 hr door & window                        |        |                      | Fire rated construction shall be in both facing walls |
| c) Detached garage, accessory building, other dwelling, >10 ft                                                                                                                                                       |       |                            | No req'                                                  |        |                      |                                                       |
| d) Property Lines, >3 ft                                                                                                                                                                                             |       |                            | No req'                                                  |        |                      |                                                       |
| 6.01 Attached garages, walls btwn any portion of the dwelling                                                                                                                                                        |       | SPS 321.08(1)(a)           | 3/4"                                                     |        |                      |                                                       |
| One layer of 5/8" Type X on garage side of wall OR                                                                                                                                                                   |       |                            |                                                          |        |                      |                                                       |
| One layer of 1/2" gyp bd on each side of wall                                                                                                                                                                        |       |                            |                                                          |        |                      |                                                       |
| 6.02 Fireblocking                                                                                                                                                                                                    |       | SPS 321.08(5)(1)           |                                                          |        |                      |                                                       |
| a) In concealed spaces of walls & partitions, @ ceiling and floor levels                                                                                                                                             |       |                            |                                                          |        |                      |                                                       |
| b) At all interconnections between concealed vertical and horizontal spaces                                                                                                                                          |       |                            |                                                          |        |                      |                                                       |
| c) In concealed spaces between stair stringers @ top and bottom of run                                                                                                                                               |       |                            |                                                          |        |                      |                                                       |
| d) At all openings around wires, cables, vents ducts, chimneys, fireplaces @ ceiling and floor level                                                                                                                 |       |                            |                                                          |        |                      |                                                       |
| 6.03 Smoke Detectors (listed w/ battery backup) locations:                                                                                                                                                           |       | SPS 321.09(1)              |                                                          |        |                      |                                                       |
| a) In each sleeping room                                                                                                                                                                                             |       |                            |                                                          |        |                      |                                                       |
| b) On floor levels containing sleeping areas, install outside of sleeping rm w/in 21' of door                                                                                                                        |       |                            |                                                          |        |                      |                                                       |
| c) On floors w/o sleeping areas, install in a common area on each flr                                                                                                                                                |       |                            |                                                          |        |                      |                                                       |
| 6.04 Carbon Monoxide Detector                                                                                                                                                                                        |       | SPS 321.09(2)              |                                                          |        |                      |                                                       |
| a) Basement                                                                                                                                                                                                          |       |                            |                                                          |        |                      |                                                       |
| b) Each floor                                                                                                                                                                                                        |       |                            |                                                          |        |                      |                                                       |
| c) On levels with sleeping areas, w/in 21' of door                                                                                                                                                                   |       |                            |                                                          |        |                      |                                                       |
| d) On levels w/o sleeping areas, w/in a common area                                                                                                                                                                  |       |                            |                                                          |        |                      |                                                       |
| 6.05 Foamed Insulation                                                                                                                                                                                               |       | SPS 321.11                 |                                                          |        |                      |                                                       |
| a) Foam plastic shall be separated from the interior by:                                                                                                                                                             |       |                            |                                                          |        |                      |                                                       |
| 1. 1/2" gyp bd                                                                                                                                                                                                       |       |                            |                                                          |        |                      |                                                       |
| 2. 1/2" wood structural panel                                                                                                                                                                                        |       |                            |                                                          |        |                      |                                                       |
| 3. 2x3" sawn lumber                                                                                                                                                                                                  |       |                            |                                                          |        |                      |                                                       |
| 7.01 Drainage                                                                                                                                                                                                        |       |                            |                                                          |        |                      |                                                       |
| a) 1/2" per ft for at least 10;                                                                                                                                                                                      |       |                            |                                                          |        |                      |                                                       |
| 7.02 Frost Protection                                                                                                                                                                                                |       |                            |                                                          |        |                      |                                                       |
| a) Footings & foundation placement                                                                                                                                                                                   |       |                            | below fros penetration level or 48", whichever is deeper |        |                      |                                                       |
| 7.03 Drain Tiles                                                                                                                                                                                                     |       | SPS 321.16                 |                                                          |        |                      |                                                       |
| a) Provide complete system where groundwater occurs above the bottom of the footing                                                                                                                                  |       | SPS 321.17                 |                                                          |        |                      |                                                       |
| b) Provide 4" of gravel beneath slab                                                                                                                                                                                 |       |                            |                                                          |        |                      |                                                       |
| 8.01 Garage Floors                                                                                                                                                                                                   |       | SPS 321.203                |                                                          |        |                      |                                                       |
| a) SOG                                                                                                                                                                                                               |       |                            | min 4" thick, on 4" granular fill                        |        |                      |                                                       |
| b) Drain to exterior or interior floor drain                                                                                                                                                                         |       |                            |                                                          |        |                      |                                                       |

## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

NO. DESCRIPTION DATE

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

## WILSON RESIDENCE

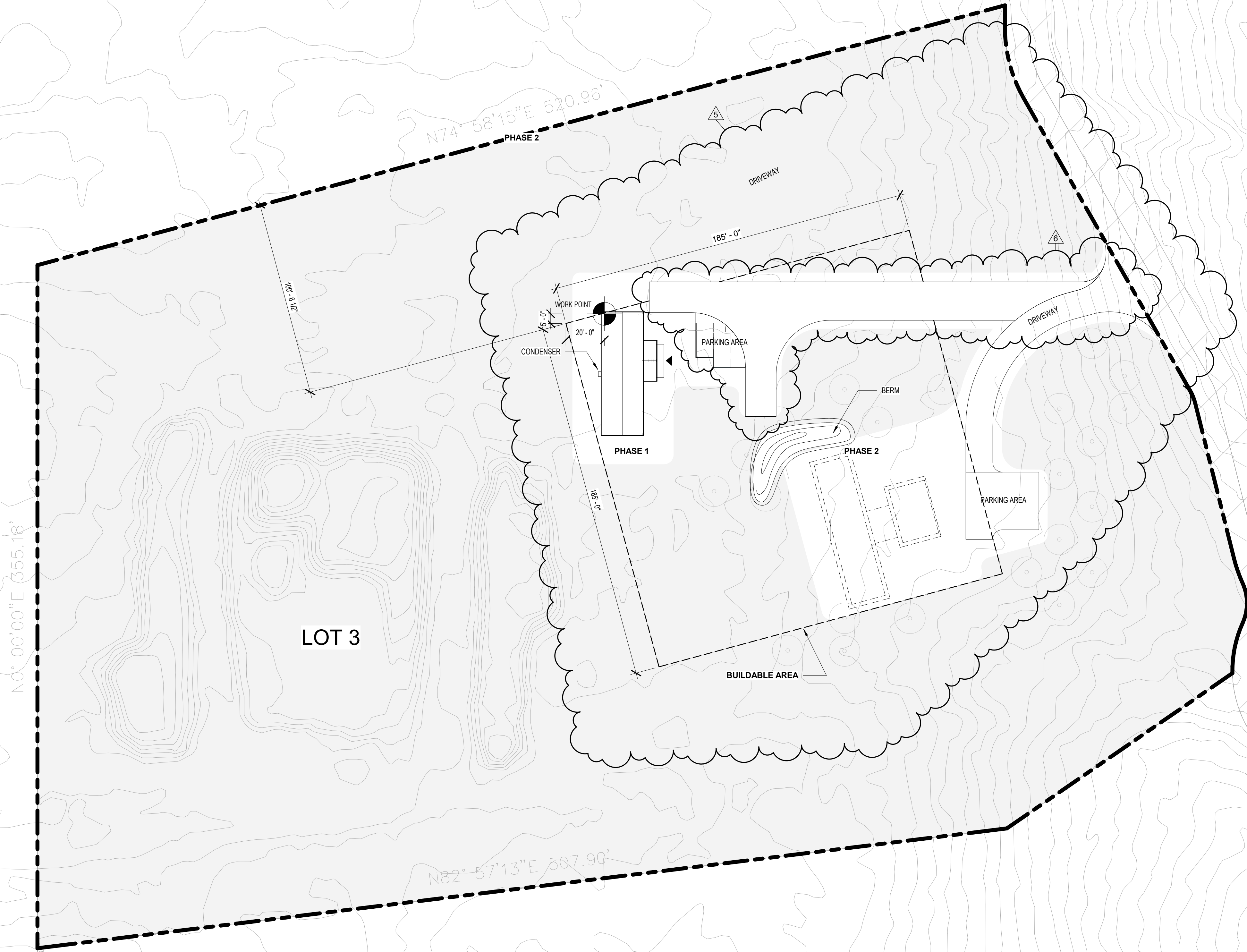
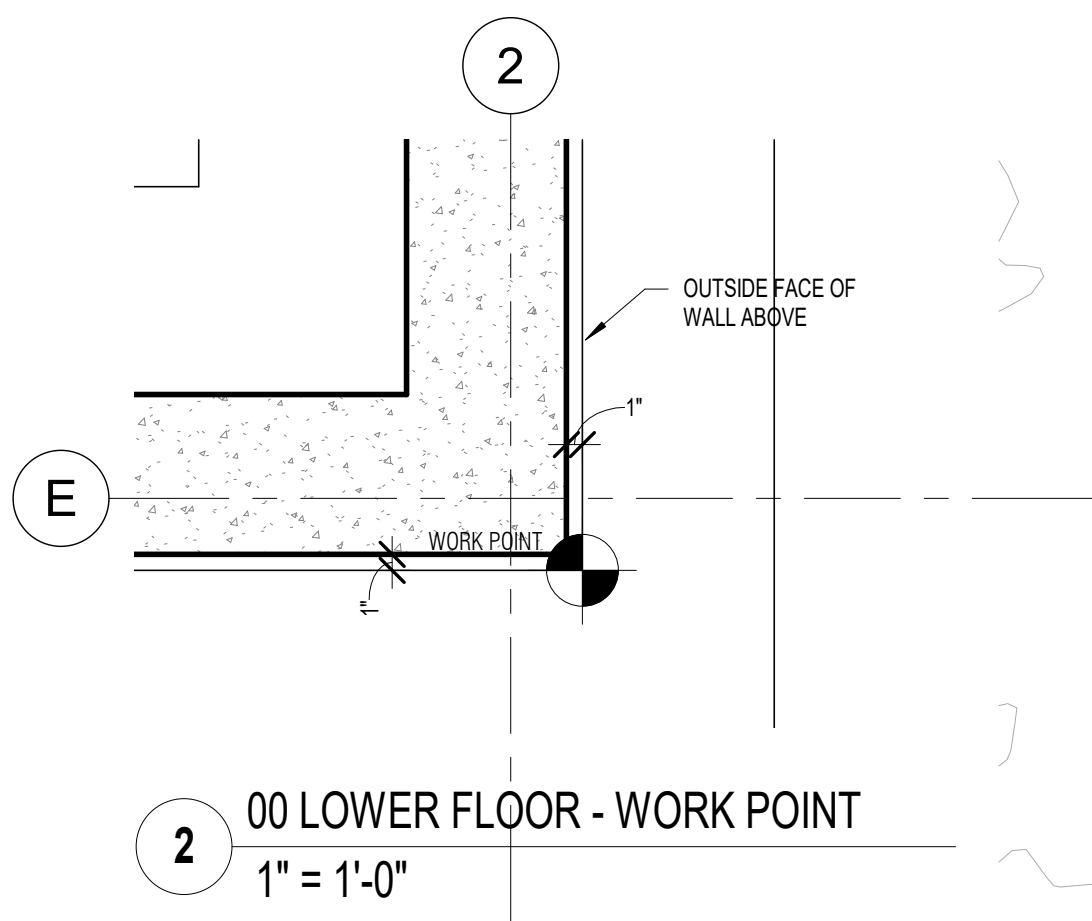
NEKOOSA, WI,  
SAND VALLEY, LOT 3

CODE ANALYSIS

# G002



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt



BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

|   |             |          |
|---|-------------|----------|
| 6 | BULLETIN 05 | 22.04.21 |
| 5 | BULLETIN 04 | 22.04.04 |
| 2 | BULLETIN 01 | 22.01.07 |

NO. DESCRIPTION DATE

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

SITE PLAN

A001



Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

### GENERAL NOTES

1. ALL INTERIOR PARTITIONS ARE "A4" TYPE U.N.O.

|   |             |          |
|---|-------------|----------|
| 7 | BULLETIN 06 | 22.08.08 |
| 3 | BULLETIN 02 | 22.02.07 |
| 2 | BULLETIN 01 | 22.01.07 |

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|-----|-------------|------|

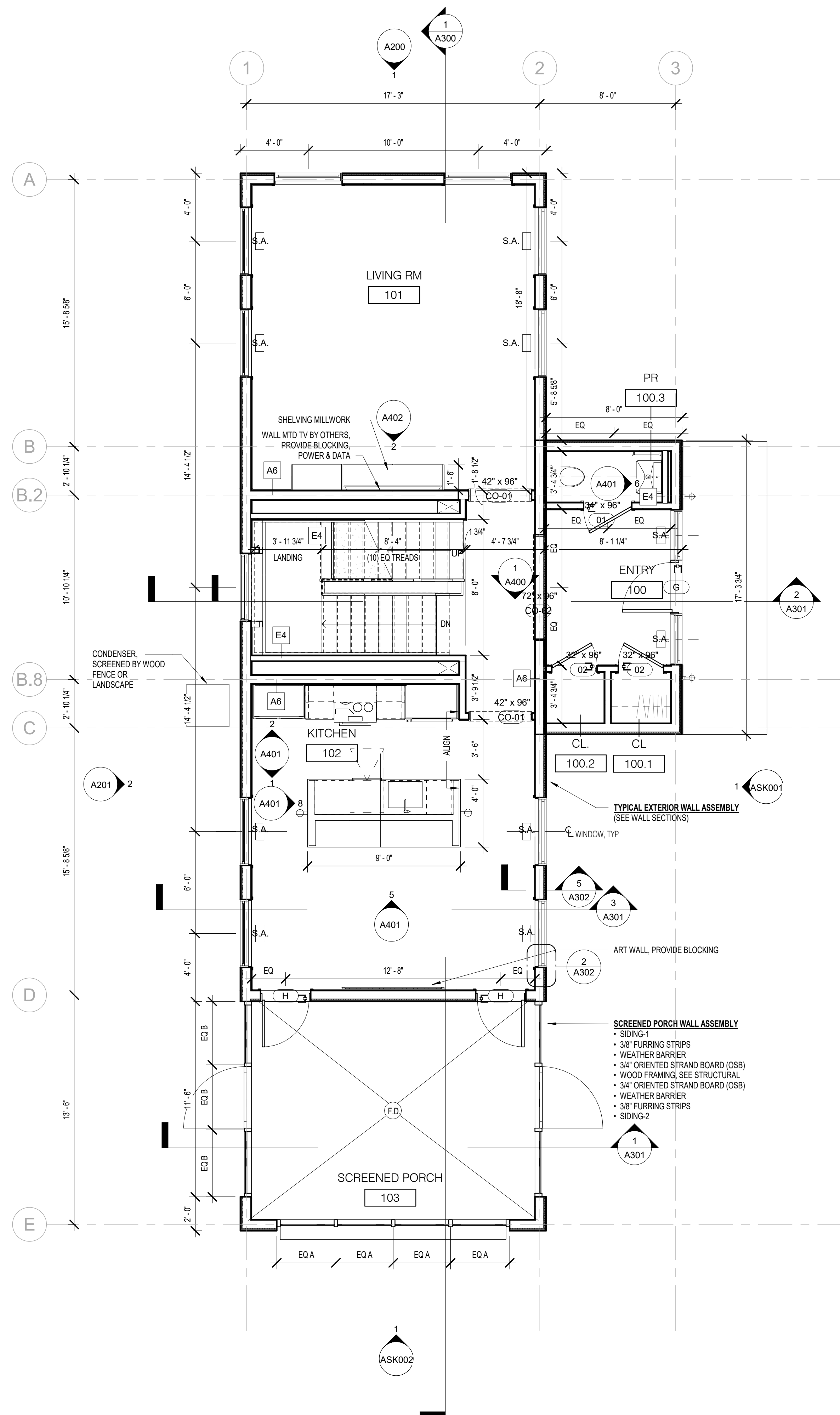
ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

|                |      |
|----------------|------|
| PROJECT NUMBER | 2111 |
|----------------|------|

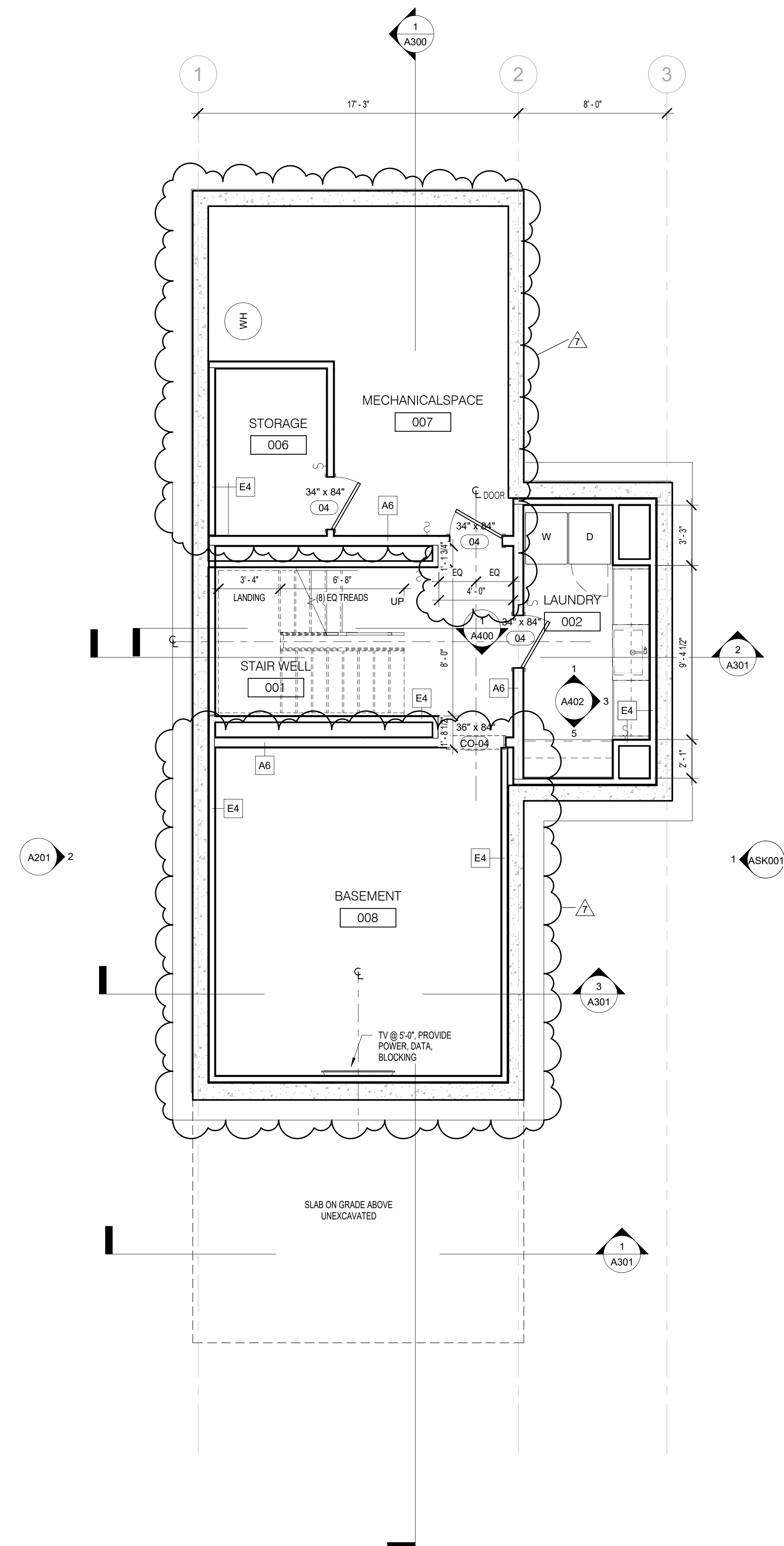
NEKOOSA, WI,  
SAND VALLEY, LOT 3

## BASEMENT & LEVEL 1 PLAN

# A100



2 01 FIRST FLOOR  
1/4" = 1'-0"



1 00 LOWER FLOOR  
1/4" = 1'-0"



### ROOFING GENERAL NOTES

1. NOT ALL REQUIRED ROOF BLOCKING IS INDICATED ON THE CONTRACT DOCUMENTS. ROOF SYSTEM MANUFACTURER REQUIRED WOOD BLOCKING SHALL BE PROVIDED TO MEET THEIR SYSTEM SPECIFIC REQUIREMENTS UNLESS NOTED OTHERWISE.

|   |             |          |
|---|-------------|----------|
| 4 | BULLETIN 03 | 22.03.04 |
| 3 | BULLETIN 02 | 22.02.07 |

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|-----|-------------|------|

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

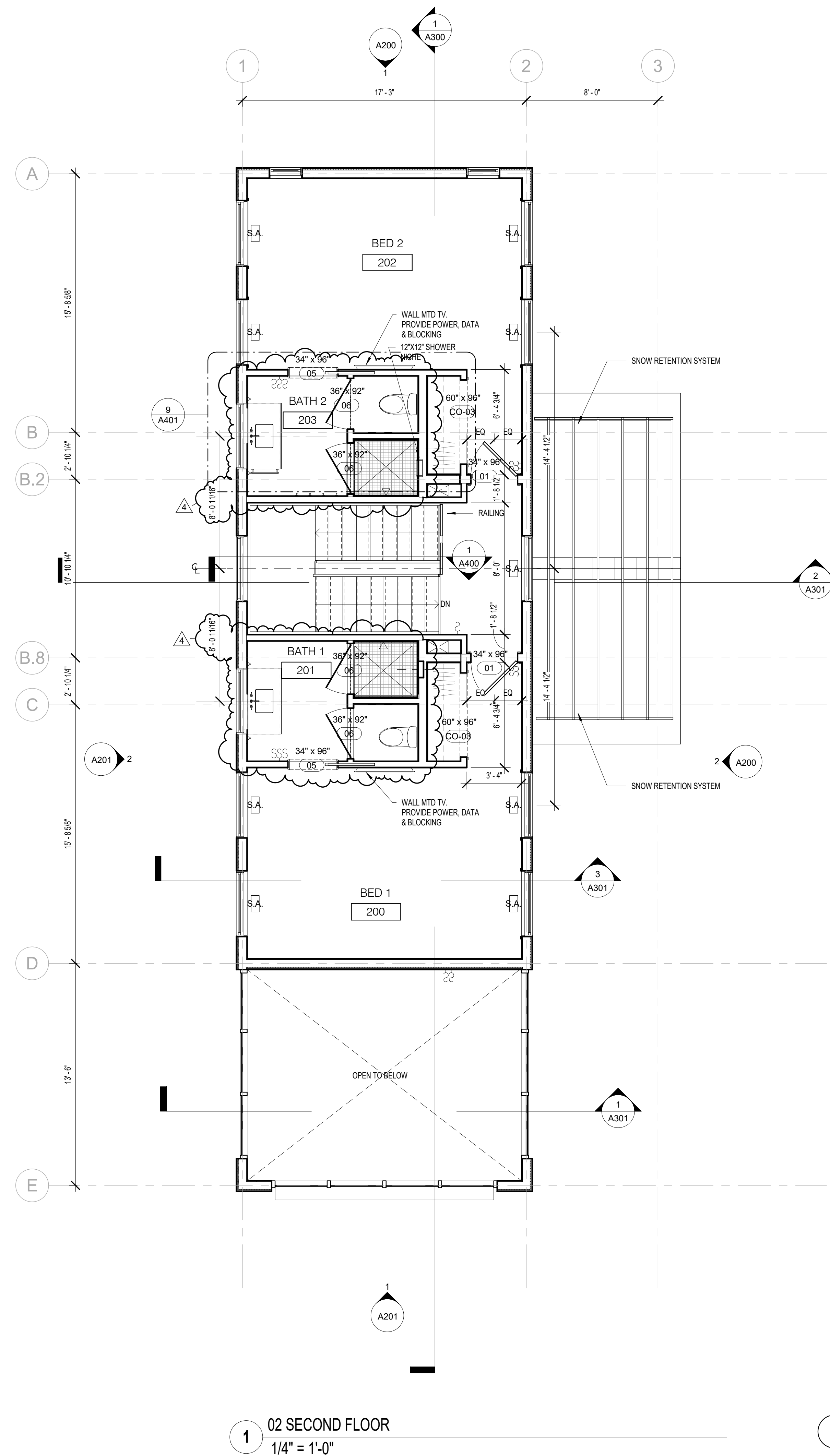
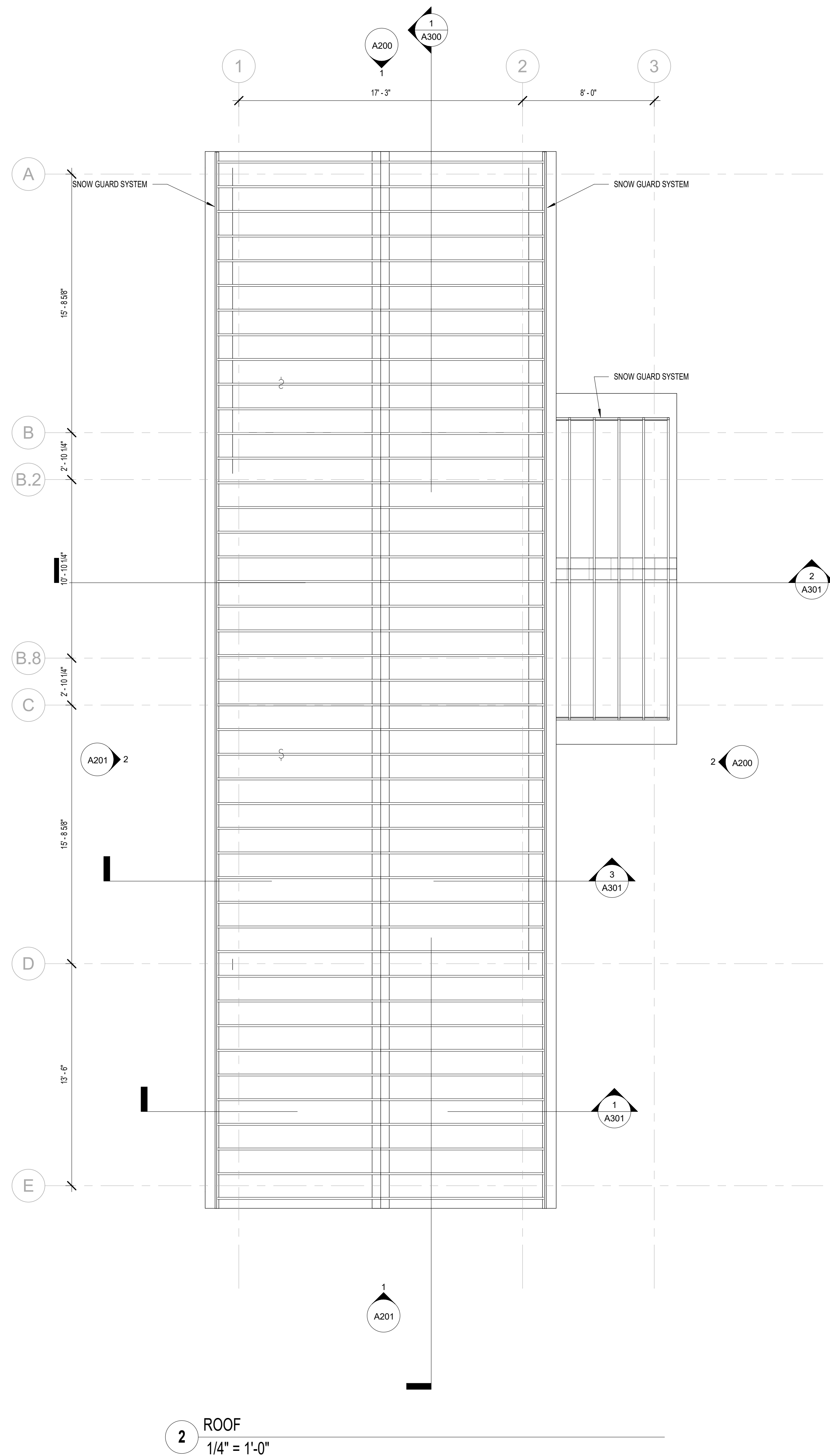
|                |      |
|----------------|------|
| PROJECT NUMBER | 2111 |
|----------------|------|

## WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

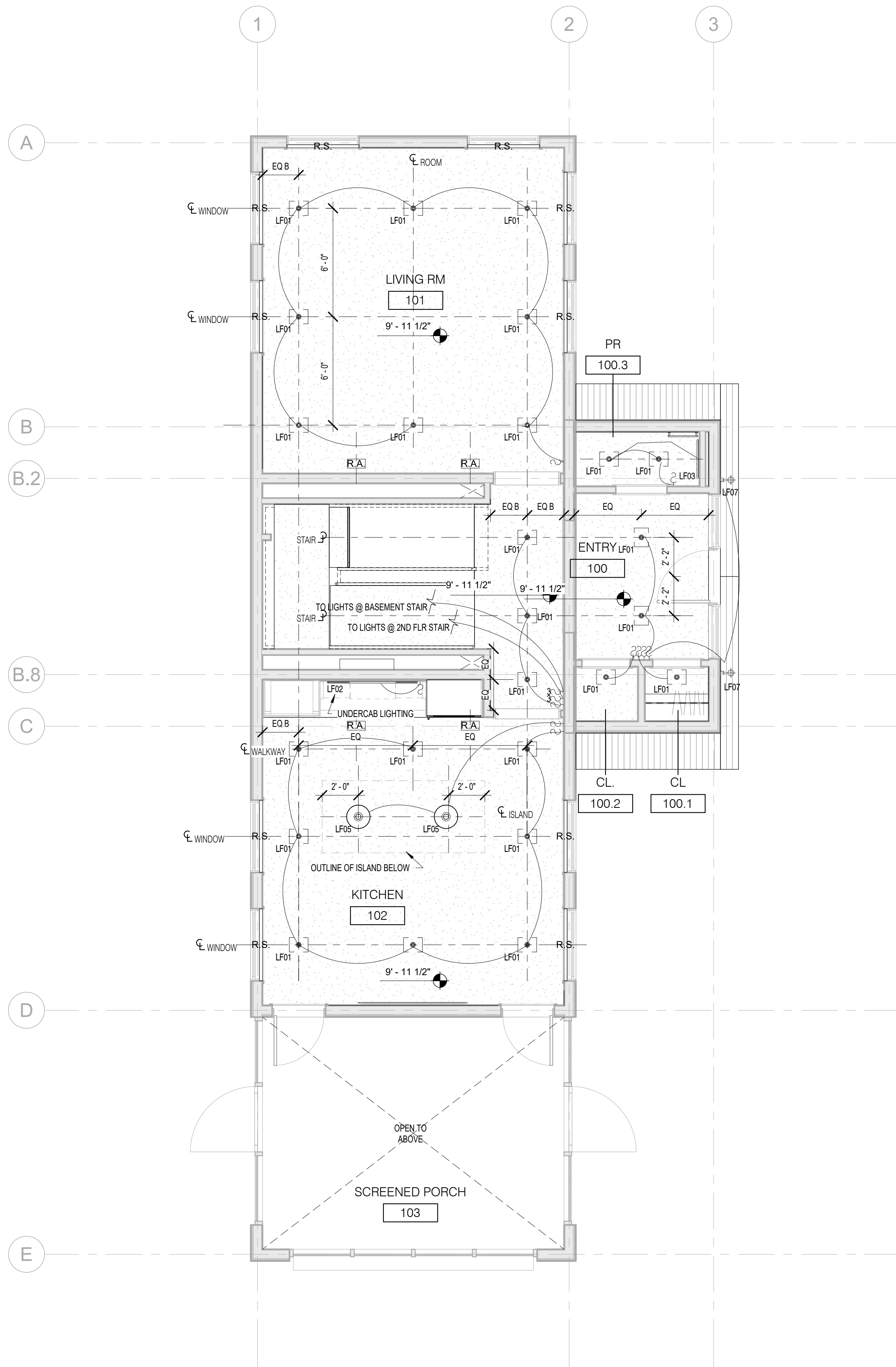
## LEVEL 2 &amp; ROOF PLAN

A101

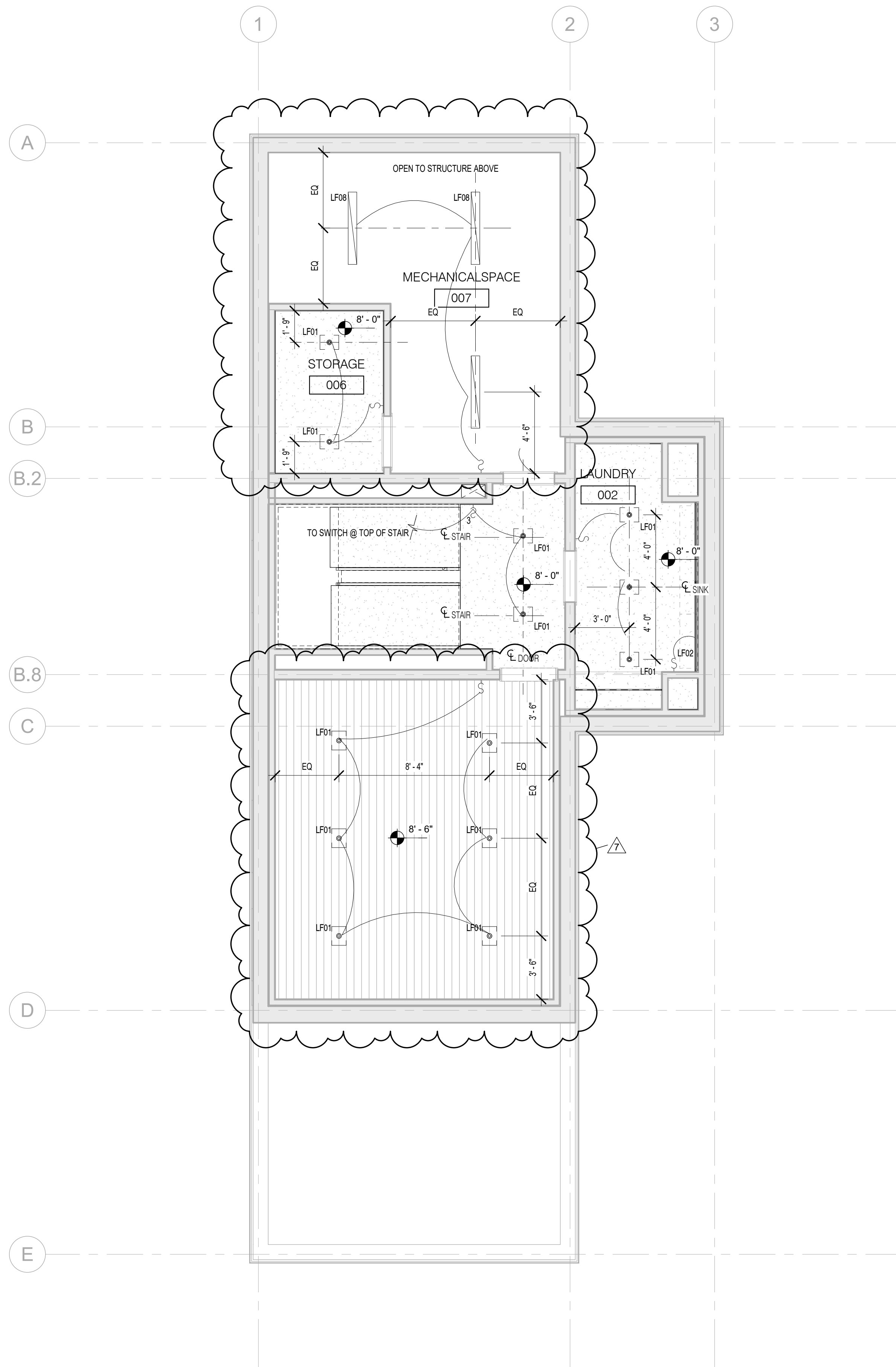




M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt



2 01 FIRST FLOOR  
1/4" = 1'-0"



1 LOWER FLOOR  
1/4" = 1'-0"

## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

### RCP GENERAL NOTES

1. RECESSED LIGHTING FIXTURE HOUSINGS SHALL BE SEALED TO THE CEILING OPENING IN BATHROOMS, BATHTUB AREAS, SHOWERS, STEAM AND SAUNA ROOMS TO KEEP MOISTURE FROM ENTERING THE CEILING PLENUM ABOVE.

### RCP LEGEND

|      |                      |
|------|----------------------|
| R.S. | ROLLER SHADE, MANUAL |
| R.A. | RETURN AIR DIFFUSER  |
| S.A. | SUPPLY AIR DIFFUSER  |

|   |             |          |
|---|-------------|----------|
| 7 | BULLETIN 06 | 22.08.08 |
| 3 | BULLETIN 02 | 22.02.07 |

NO. DESCRIPTION DATE

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

## WILSON RESIDENCE

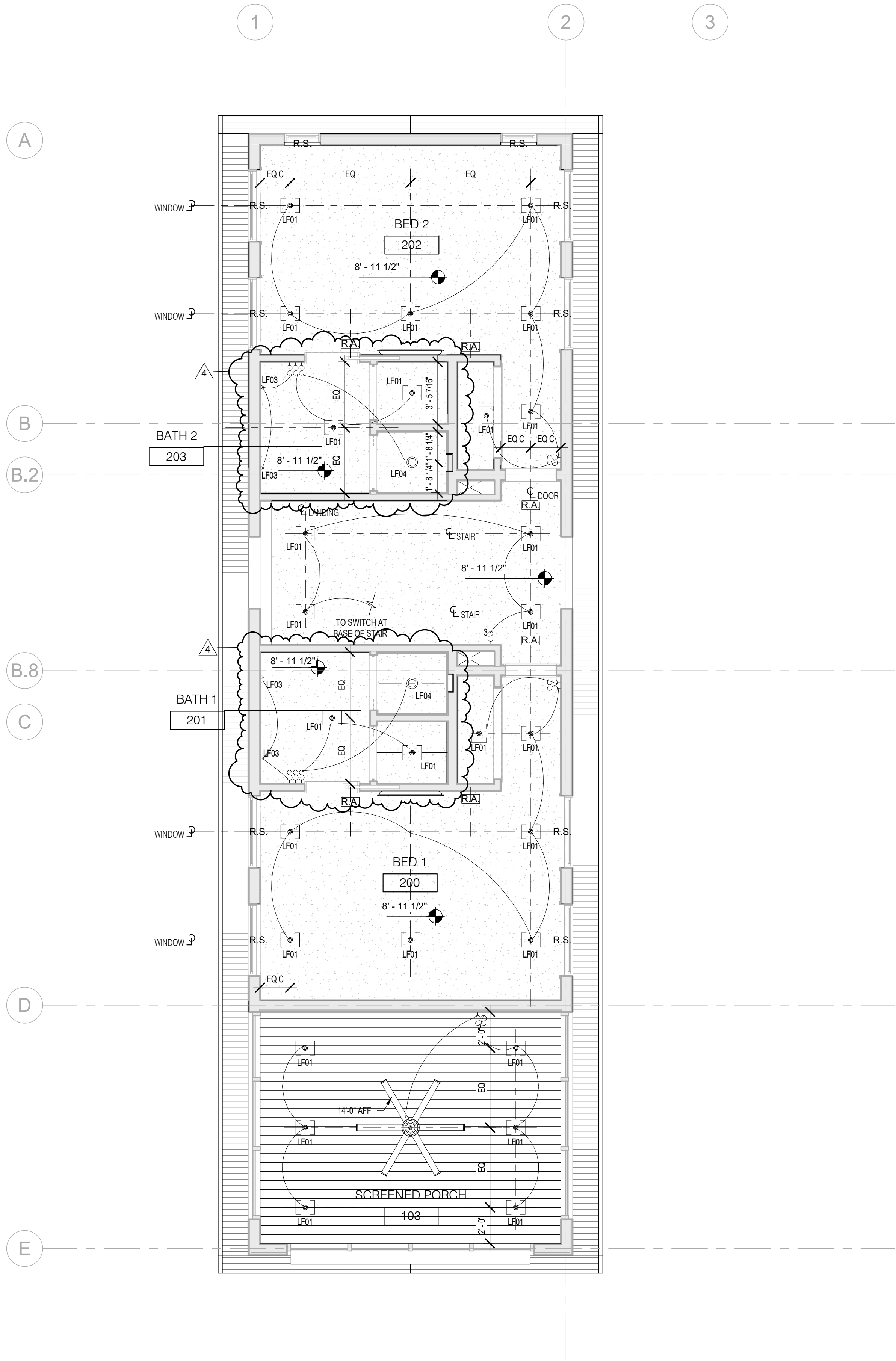
NEKOOSA, WI,  
SAND VALLEY, LOT 3

BASEMENT & LEVEL 1 RCP

A110



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt



02 SECOND FLOOR  
1/4" = 1'-0"

## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

### RCP GENERAL NOTES

1. RECESSED LIGHTING FIXTURE HOUSINGS SHALL BE SEALED TO THE CEILING OPENING IN BATHROOMS, BATHTUB AREAS, SHOWERS, STEAM AND SAUNA ROOMS TO KEEP MOISTURE FROM ENTERING THE CEILING PLENUM ABOVE.

### RCP LEGEND

|                                                                                     |      |                      |
|-------------------------------------------------------------------------------------|------|----------------------|
|  | R.S. | ROLLER SHADE, MANUAL |
|  | R.A. | RETURN AIR DIFFUSER  |
|  | S.A. | SUPPLY AIR DIFFUSER  |

|     |             |          |
|-----|-------------|----------|
| 4   | BULLETIN 03 | 22.03.04 |
| NO. | DESCRIPTION | DATE     |

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

## WILSON RESIDENCE

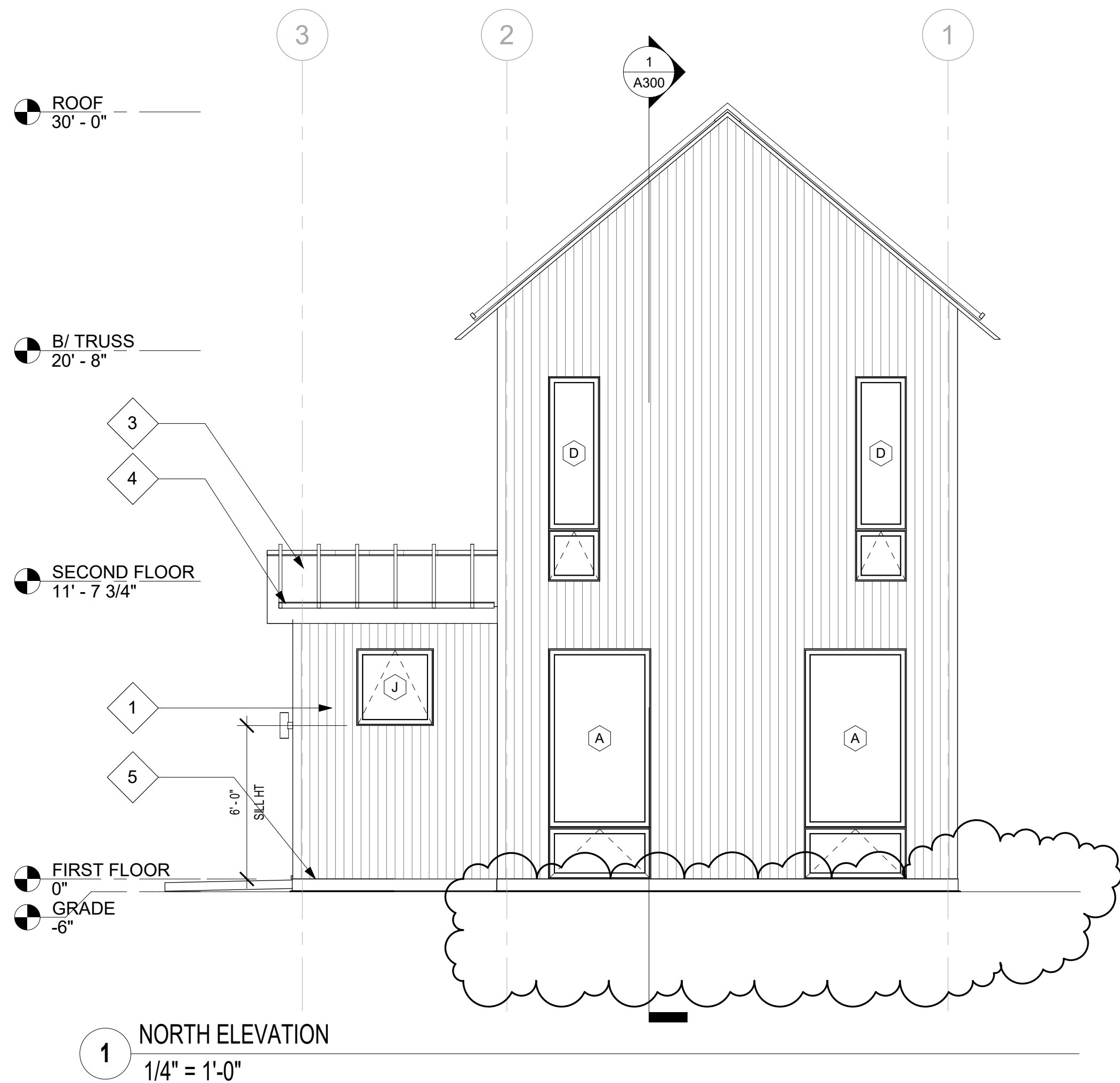
NEKOOSA, WI,  
SAND VALLEY, LOT 3

LEVEL 2 RCP

A111



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt



## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

### KEYNOTE LEGEND

- 1 SIDING-1
- 2 INSECT SCREEN
- 3 ROOF-1
- 4 SNOW GUARD SYSTEM (ENGINEERED BY OTHERS)
- 5 MTL BASE FLASHING

|     |             |          |
|-----|-------------|----------|
| 3   | BULLETIN 02 | 22.02.07 |
| NO. | DESCRIPTION | DATE     |

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

## WILSON RESIDENCE

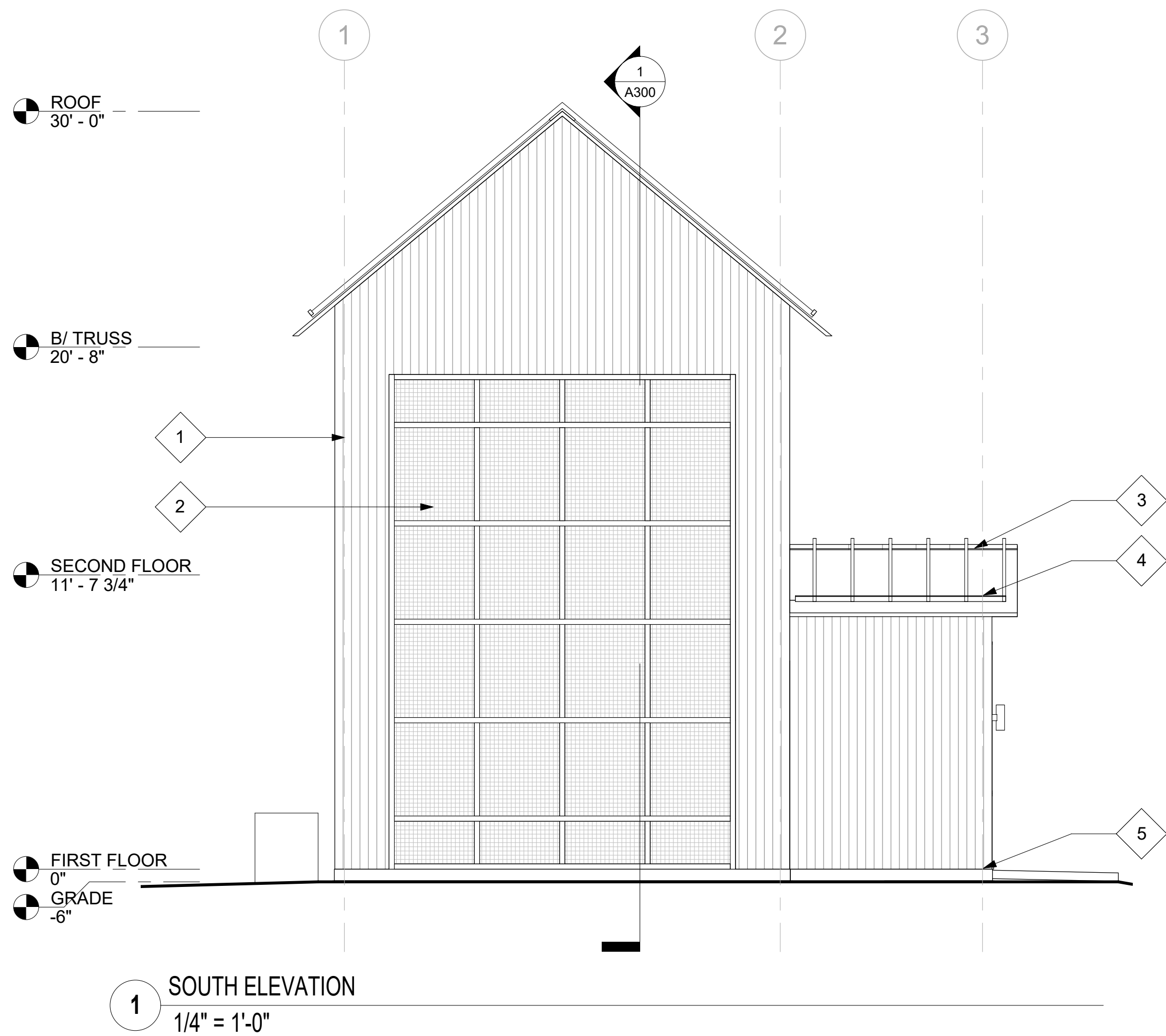
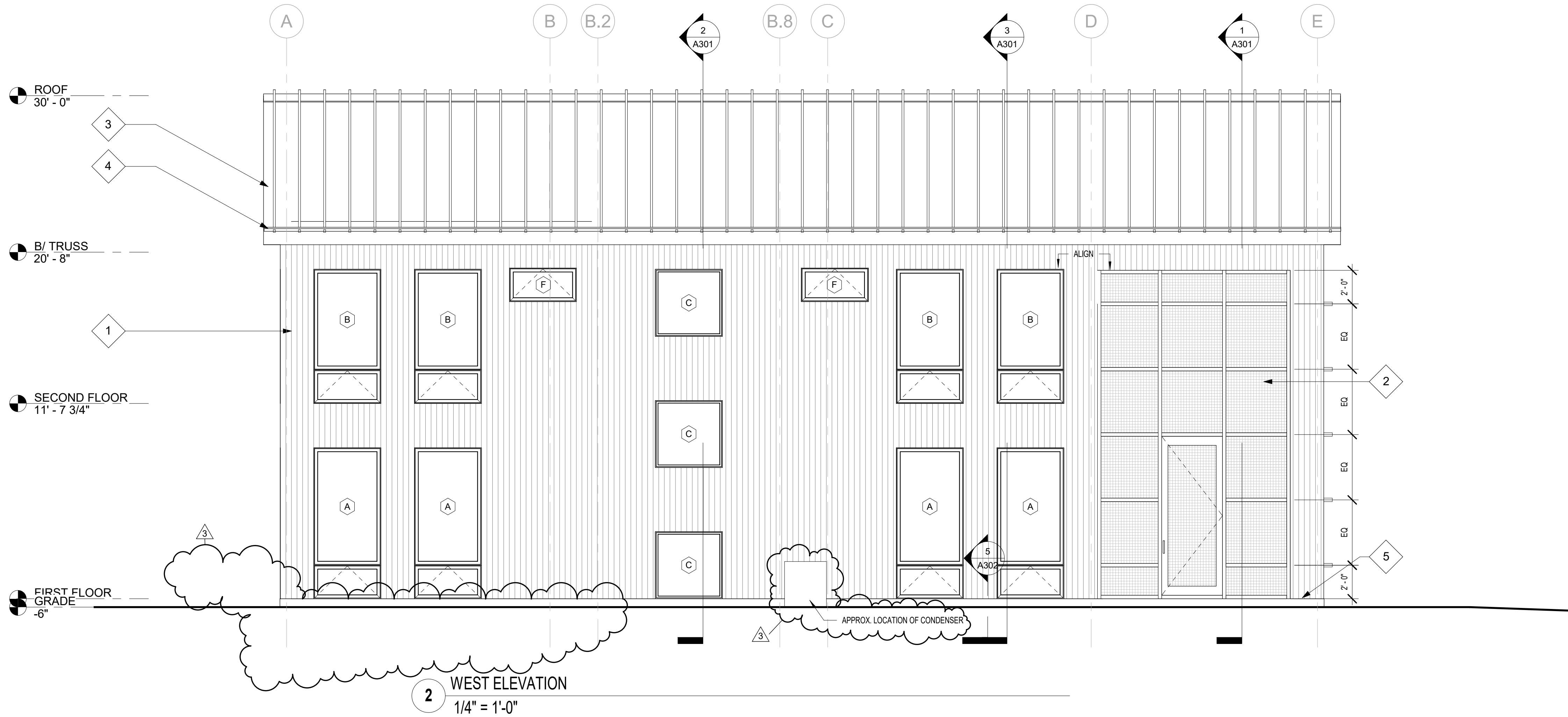
NEKOOSA, WI,  
SAND VALLEY, LOT 3

EXTERIOR ELEVATIONS

# A200



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt



BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

KEYNOTE LEGEND

- 1 SIDING-1
- 2 INSECT SCREEN
- 3 ROOF-1
- 4 SNOW GUARD SYSTEM (ENGINEERED BY OTHERS)
- 5 MTL BASE FLASHING

|     |             |          |
|-----|-------------|----------|
| 3   | BULLETIN 02 | 22.02.07 |
| NO. | DESCRIPTION | DATE     |

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

WILSON RESIDENCE

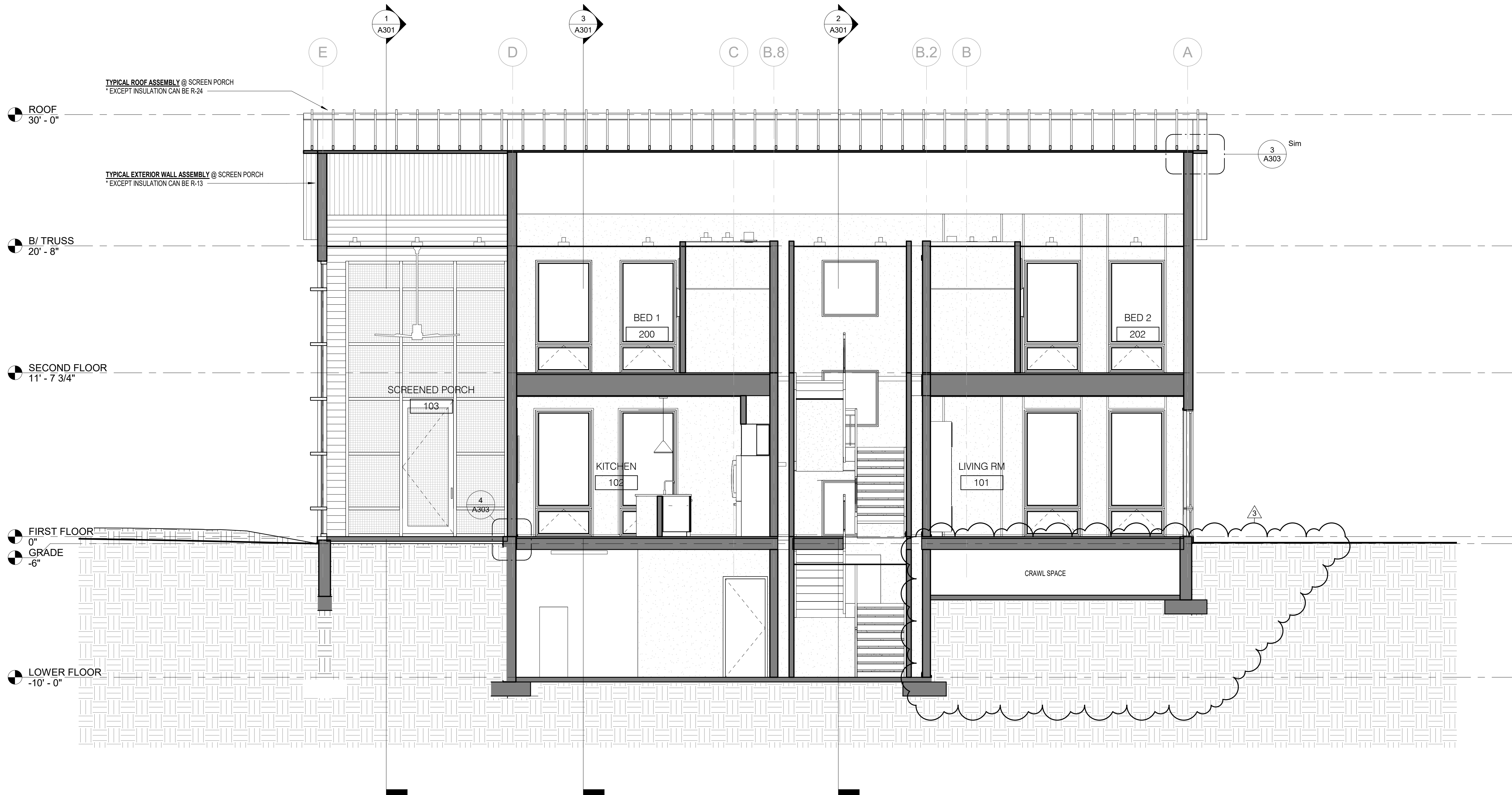
NEKOOSA, WI,  
SAND VALLEY, LOT 3

EXTERIOR ELEVATIONS

A201



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence- LR.rvt



1 BUILDING SECTION - LONG  
1/4" = 1'-0"

**BUILDING ENCLOSURE GENERAL NOTES**

1. CONTINUITY OF THERMAL, AIR, AND VAPOR BARRIERS IN BUILDING EXTERIOR ENCLOSURE SYSTEMS SHALL BE MAINTAINED AT ALL TRANSITIONS BETWEEN DIFFERENT MATERIALS.
2. ANY BUILDING EXTERIOR ENCLOSURE LATERAL LOADING, INCLUDING UPLIFT, THAT IS NOT SPECIFICALLY DESCRIBED ON THE CONTRACT DOCUMENTS SHALL BE BASED ON THE REQUIREMENTS OF LATEST EDITION OF ASCE 7 CHAPTER 6.

**BOOTH HANSEN**

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

|     |             |          |
|-----|-------------|----------|
| 3   | BULLETIN 02 | 22.02.07 |
| NO. | DESCRIPTION | DATE     |

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

**WILSON RESIDENCE**

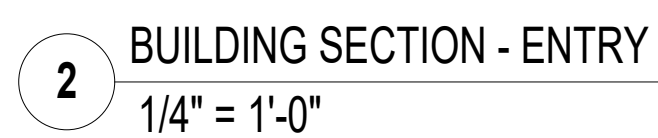
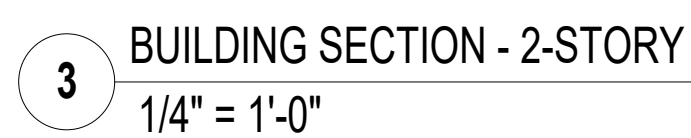
NEKOOSA, WI,  
SAND VALLEY, LOT 3

BUILDING SECTION

A300



Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661



ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

|                |      |
|----------------|------|
| PROJECT NUMBER | 2111 |
|----------------|------|

NEKOOSA, WI,  
SAND VALLEY, LOT 3

A301

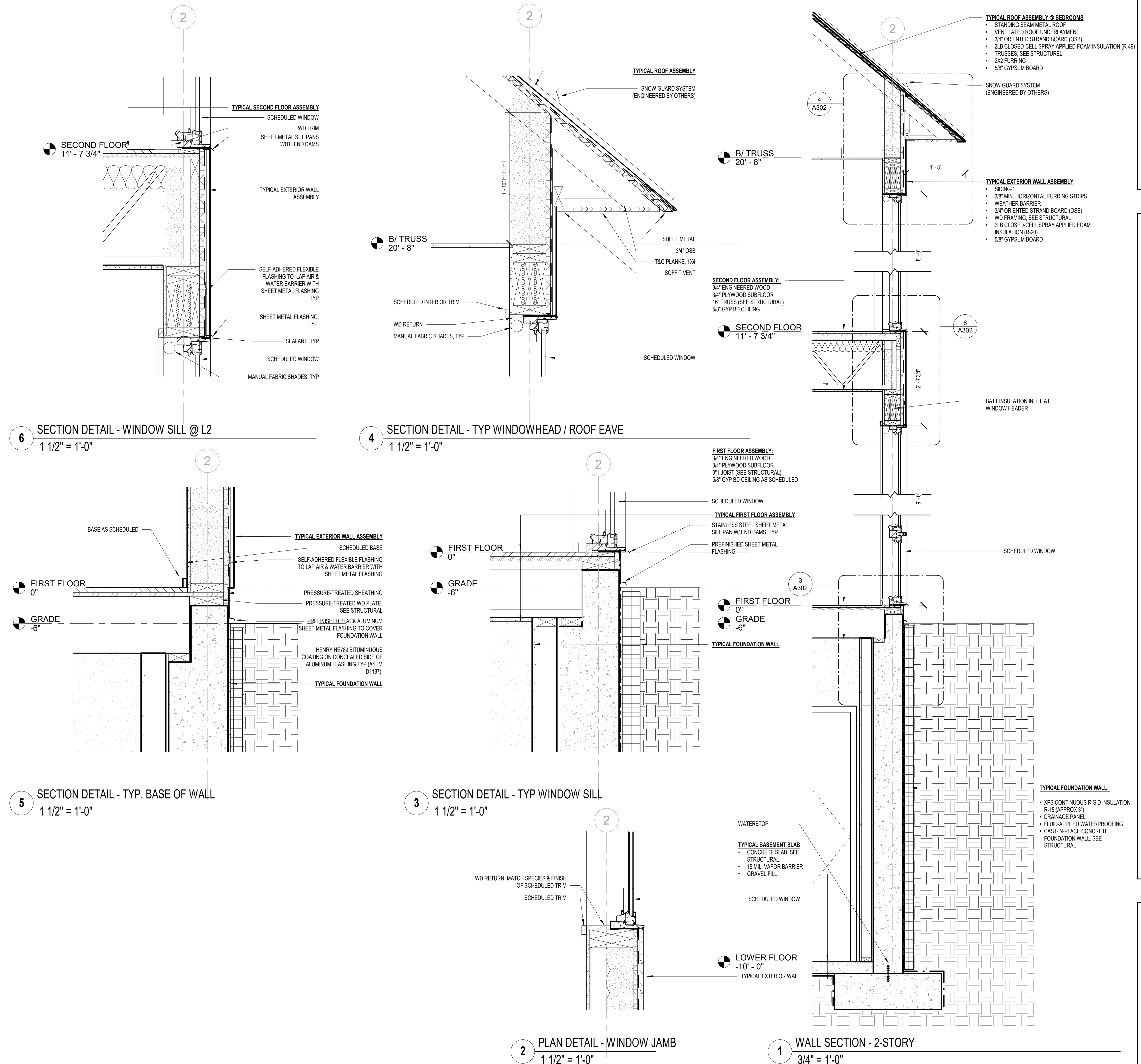


ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

|                |      |
|----------------|------|
| PROJECT NUMBER | 2111 |
|----------------|------|

NEKOOSA, WI,  
SAND VALLEY, LOT 3

## WALL SECTIONS & DETAILS





BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

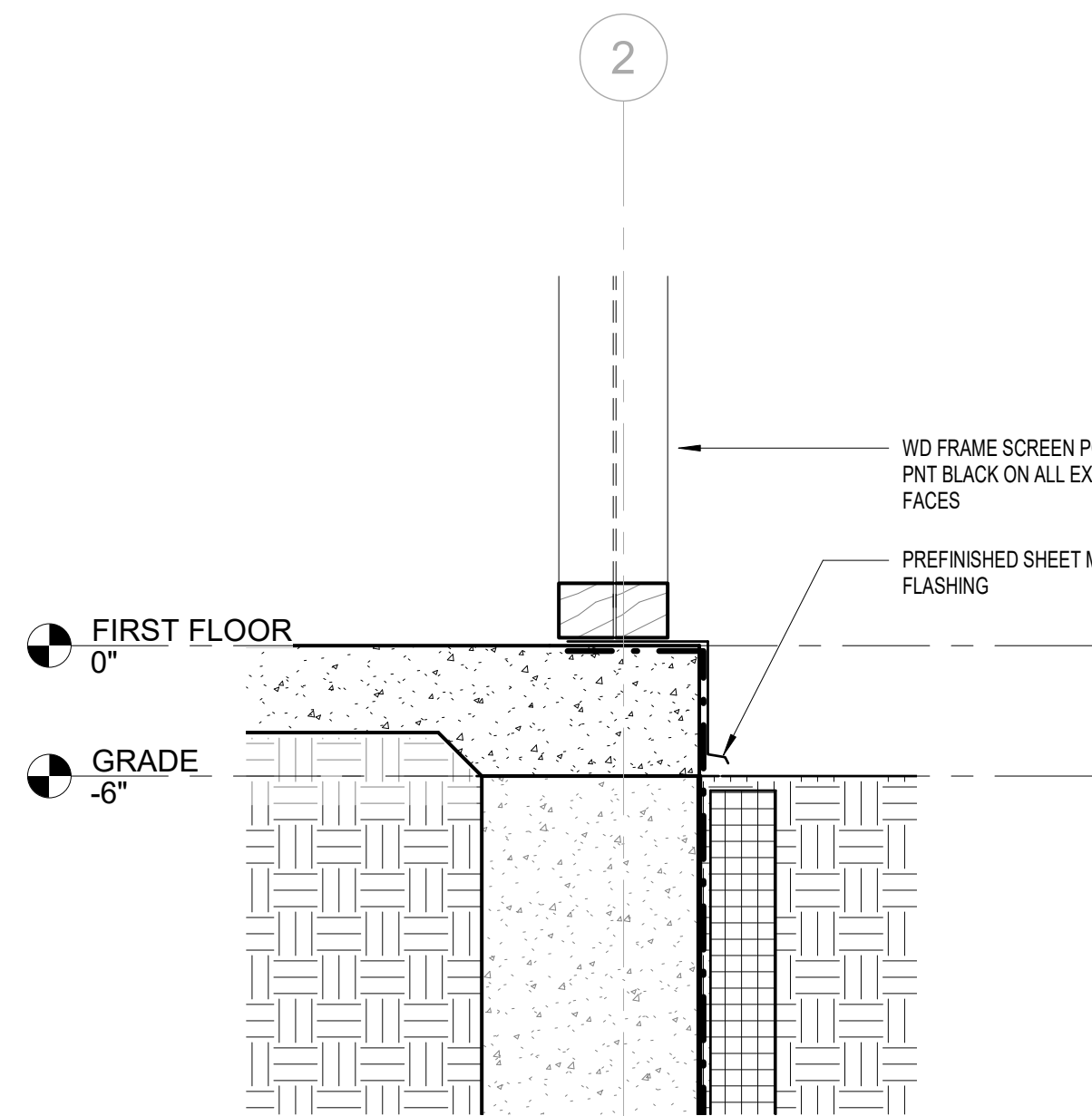
| NO.                                             | DESCRIPTION | DATE |
|-------------------------------------------------|-------------|------|
| ISSUED FOR<br>CONSTRUCTION<br>NOVEMBER 19, 2021 |             |      |
| PROJECT NUMBER                                  | 2111        |      |

WILSON RESIDENCE

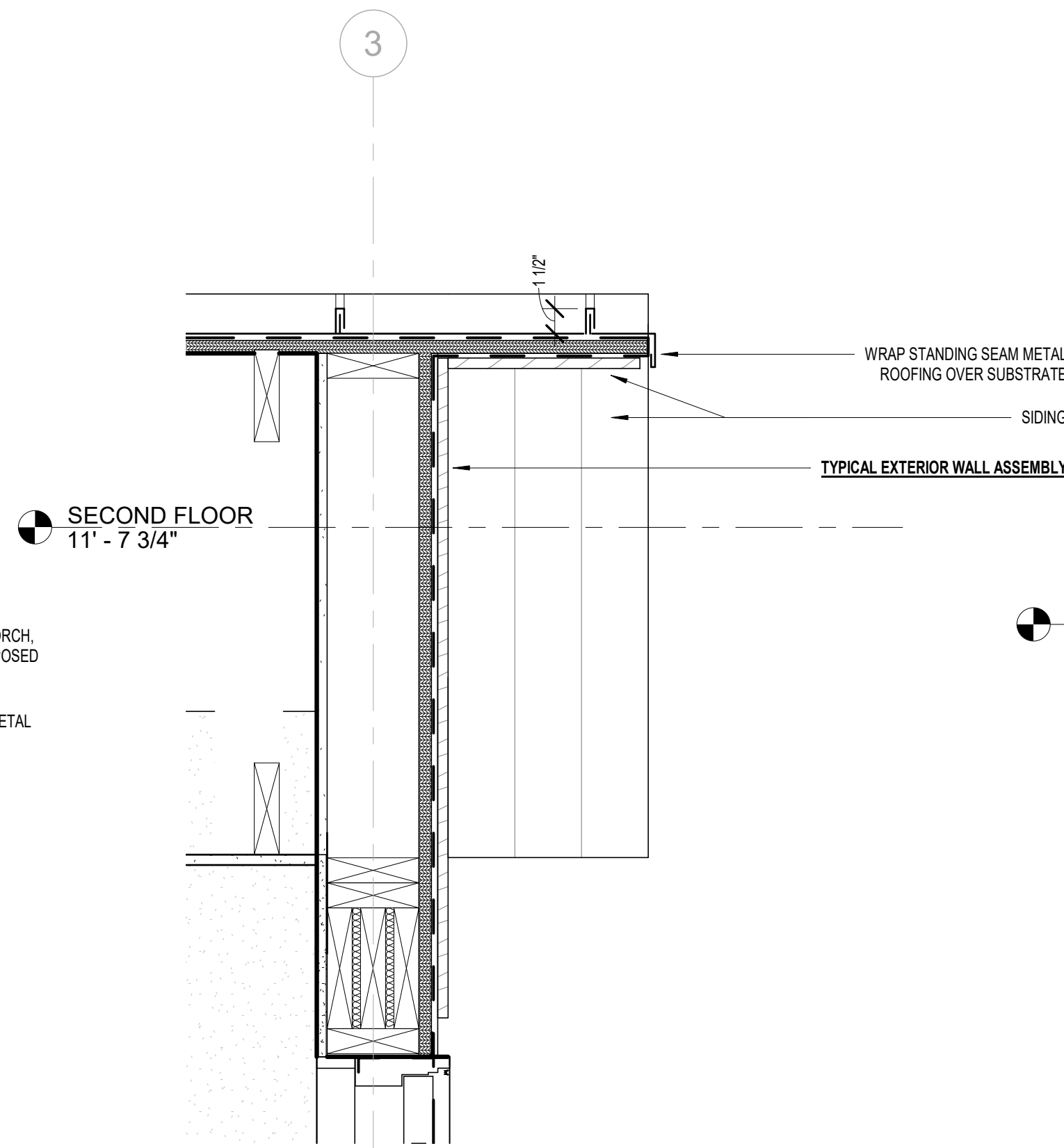
NEKOOSA, WI,  
SAND VALLEY, LOT 3

WALL SECTIONS & DETAILS

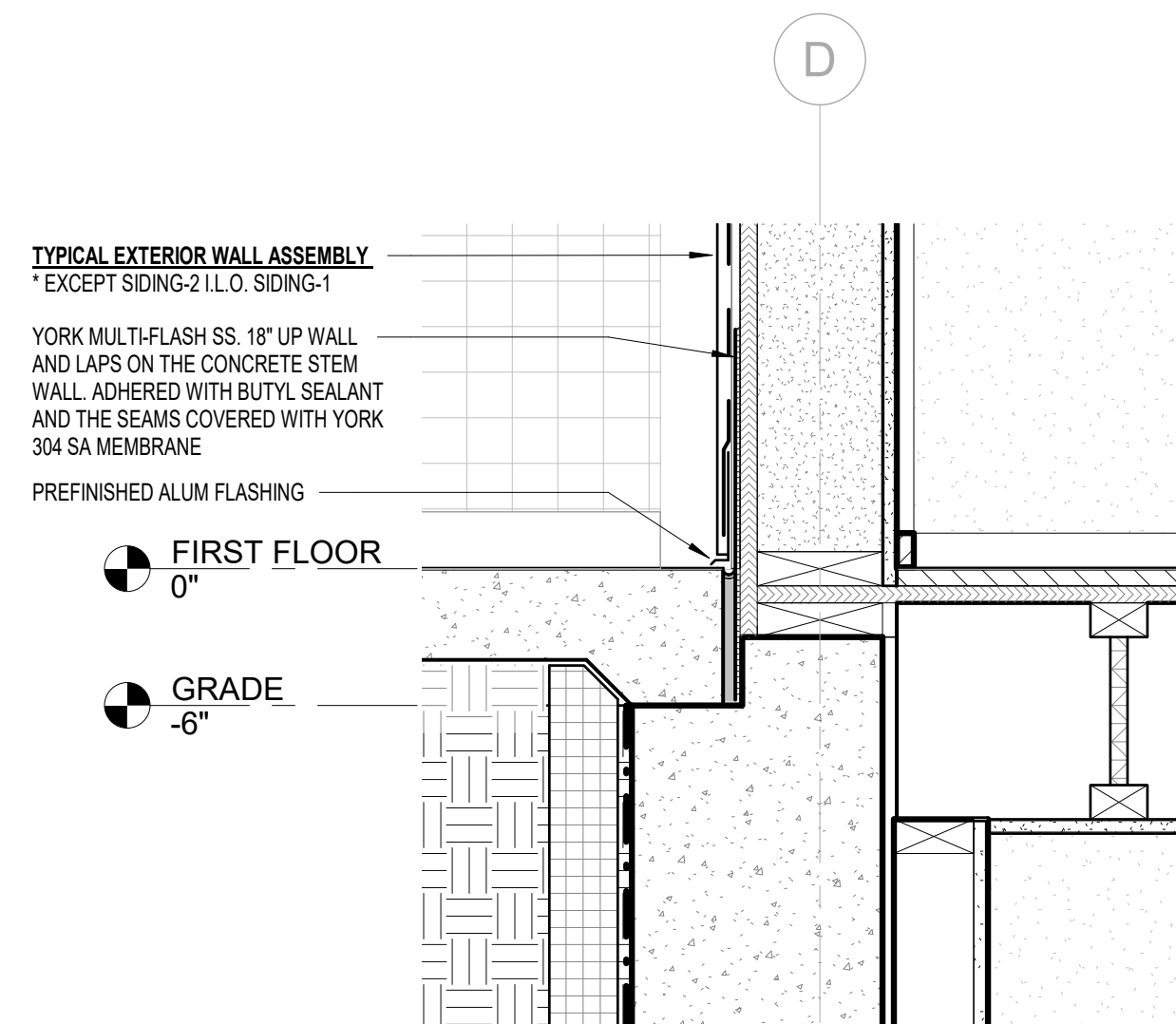
A303



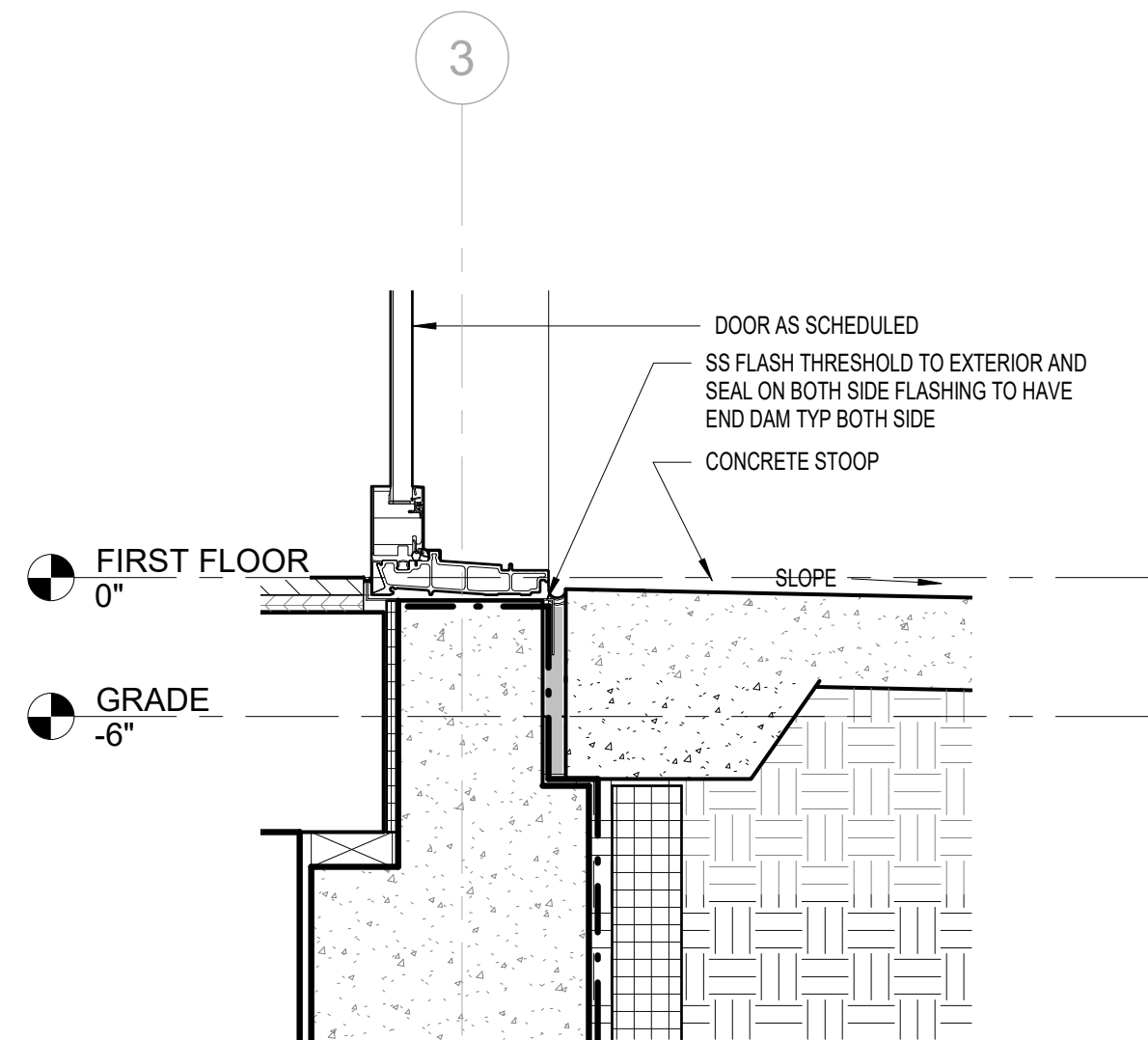
5 SECTION DETAIL - SCREEN PORCH  
1 1/2" = 1'-0"



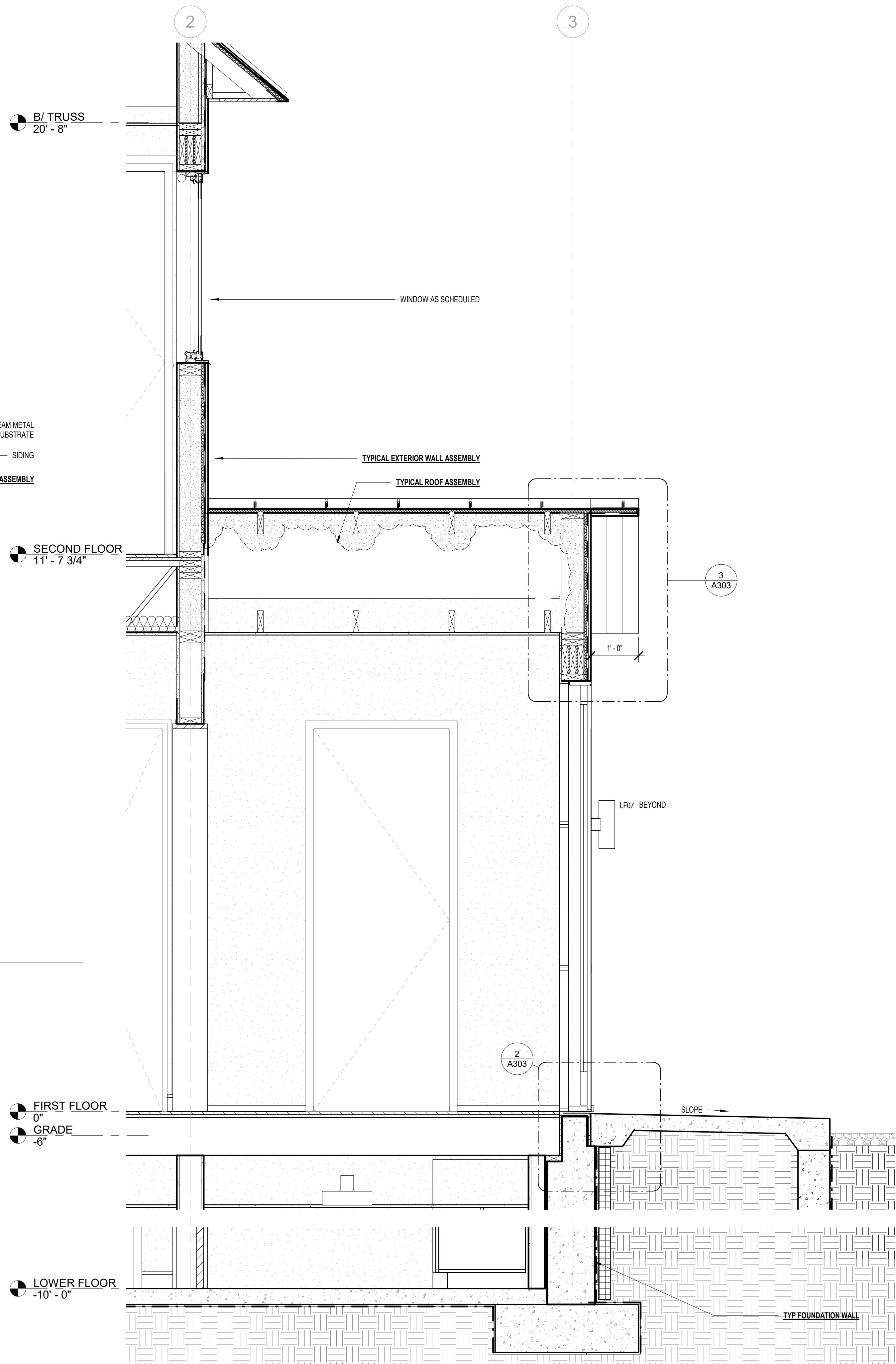
3 SECTION DETAIL - TYP. ROOF OVERHANG  
1 1/2" = 1'-0"



4 SECTION DETAIL - EXT WALL @ SCREEN PORCH  
1 1/2" = 1'-0"



2 SECTION DETAIL - ENTRY DOOR SILL  
1 1/2" = 1'-0"

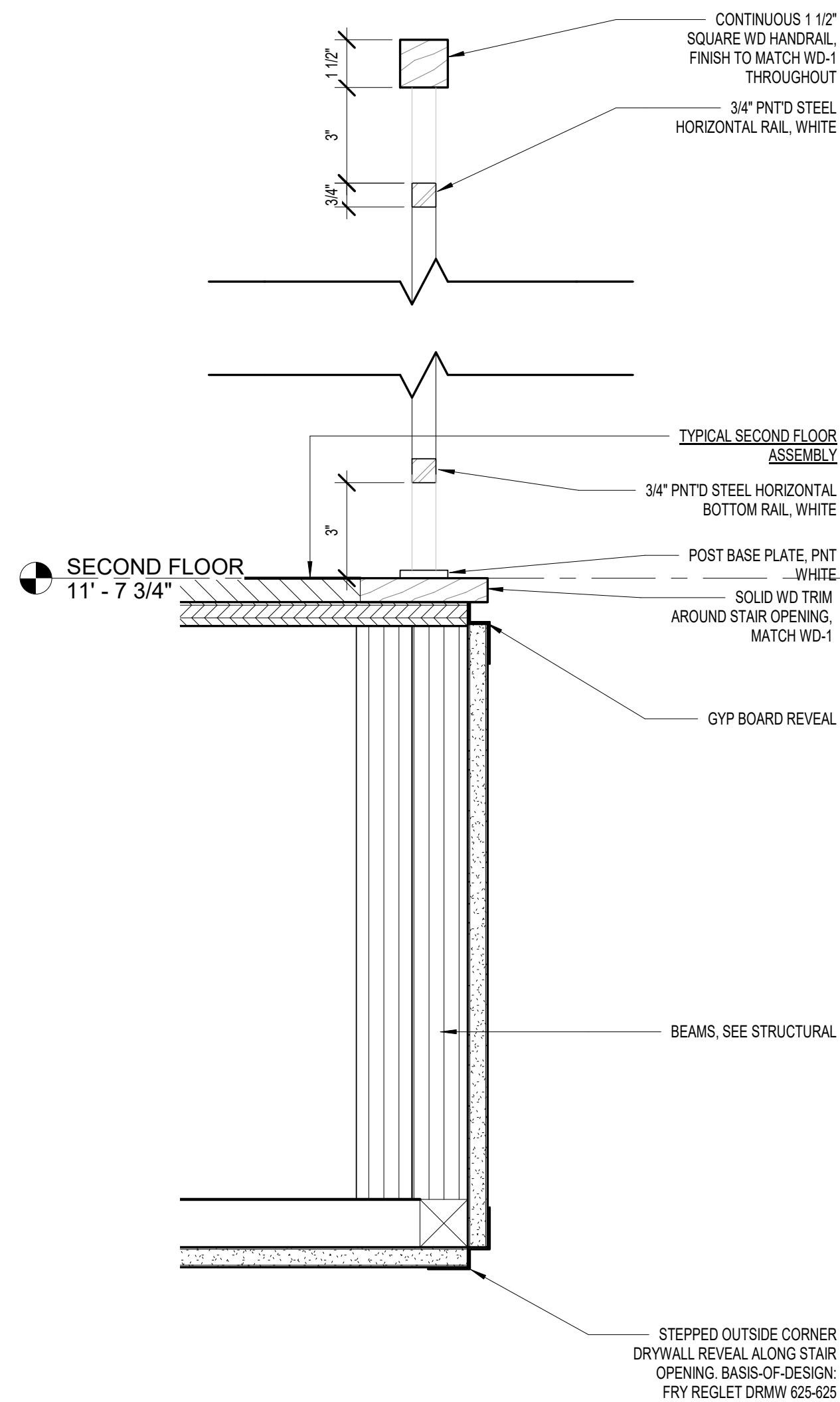


1 WALL SECTION - ENTRY  
3/4" = 1'-0"

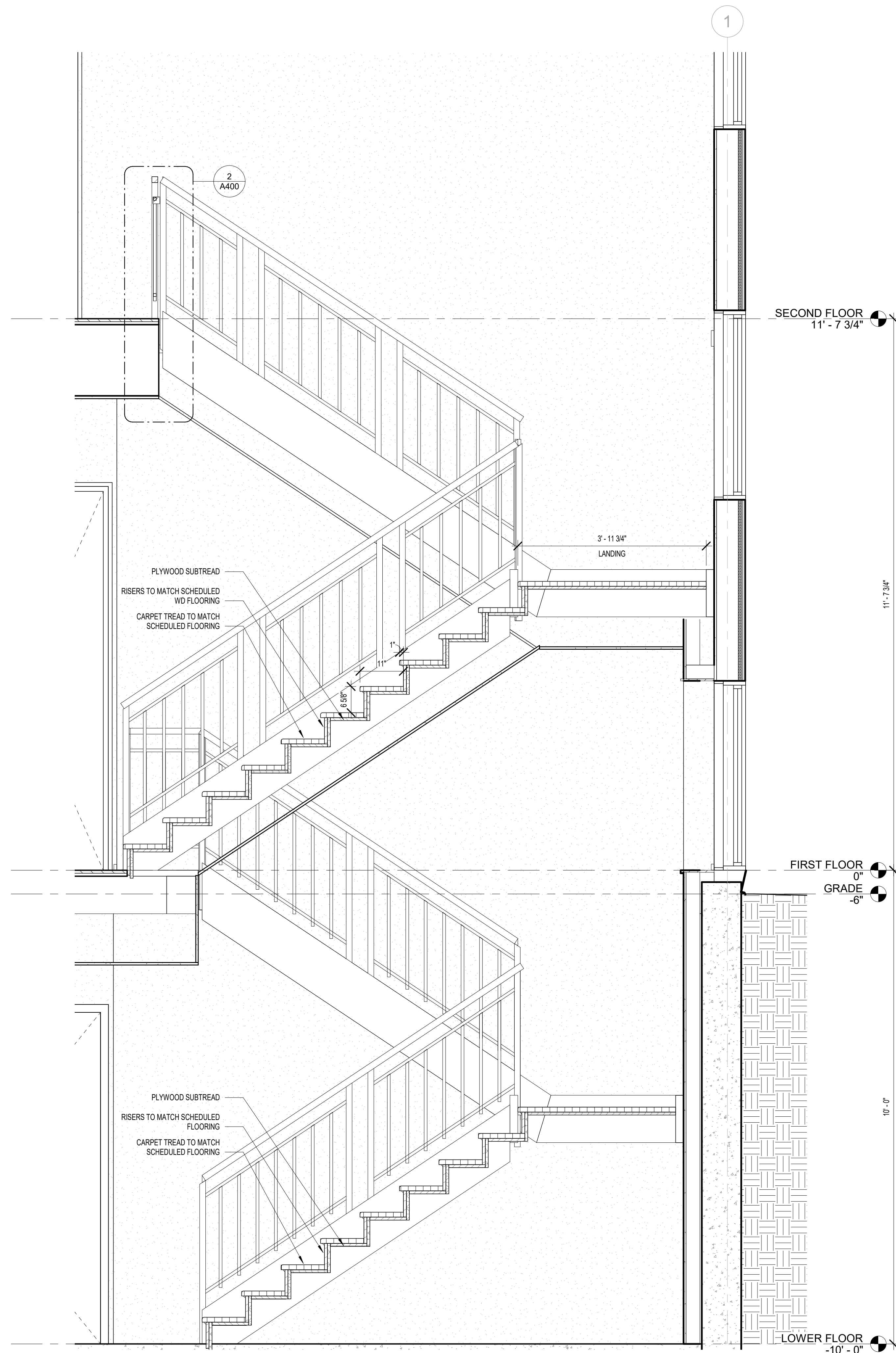


M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt

2 SECTION DETAIL - GUARDRAIL AT STAIR OPENING  
3" = 1'-0"



1 STAIR SECTION  
3/4" = 1'-0"



## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

NO. DESCRIPTION DATE

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

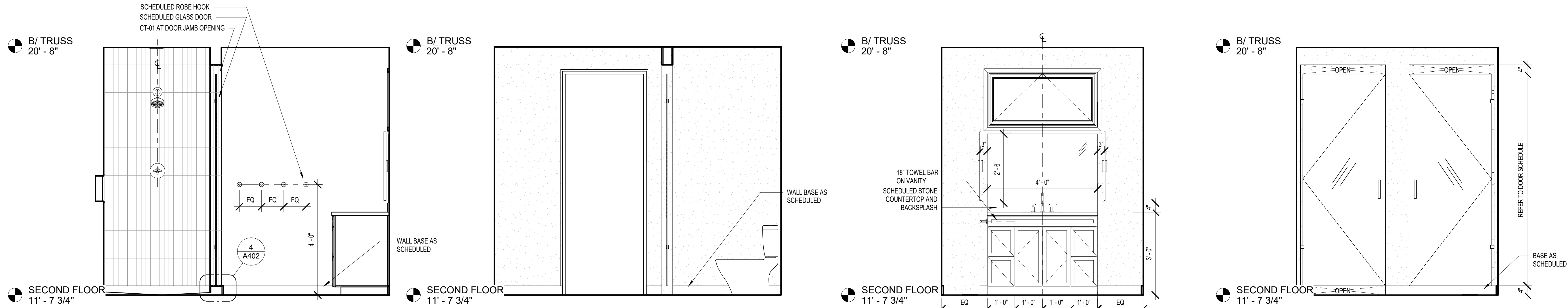
## WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3  
ENLARGED STAIR PLANS &  
SECTIONS

# A400



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt

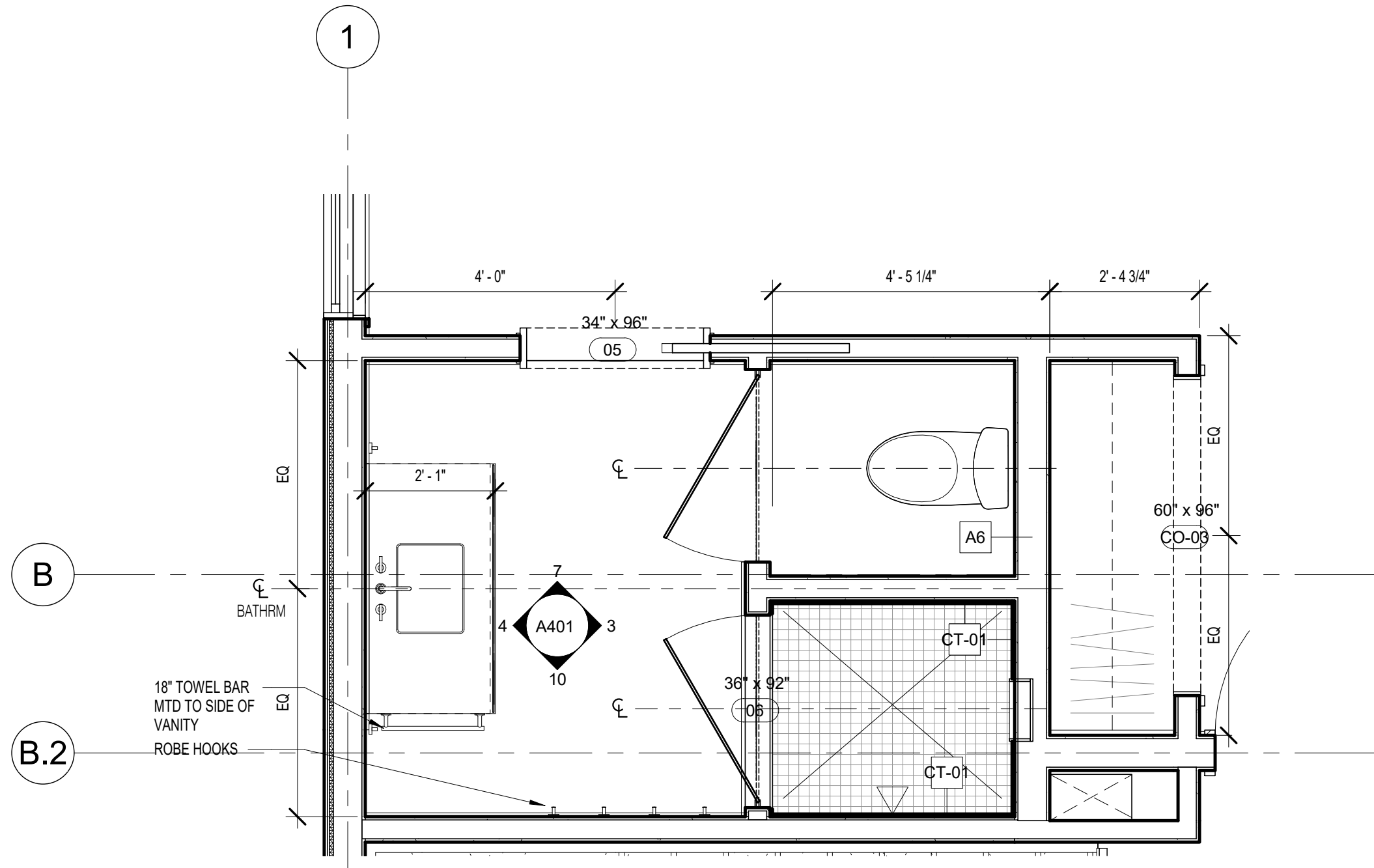


10 INT ELEVATION - BATHROOM S  
1/2" = 1'-0"

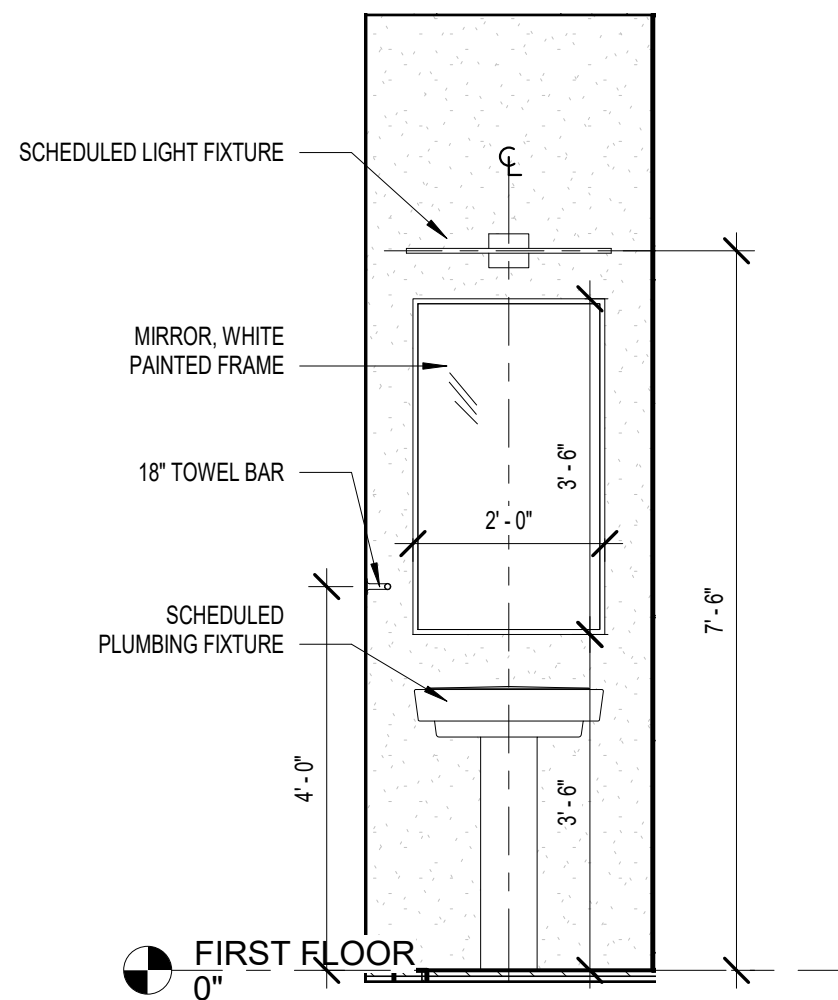
7 INT ELEVATION - BATHROOM N  
1/2" = 1'-0"

4 INT ELEVATION - BATHROOM E  
1/2" = 1'-0"

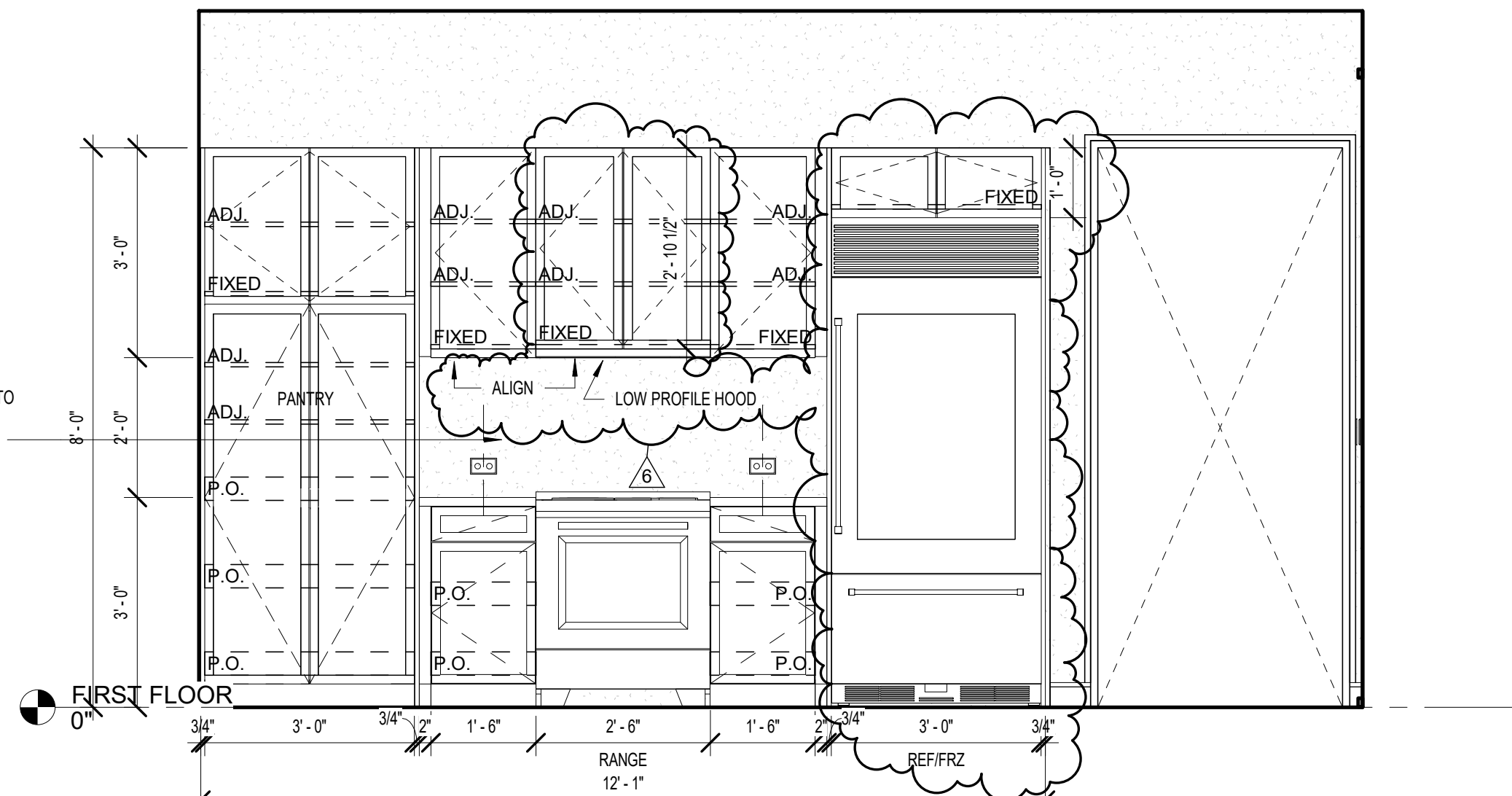
3 INT ELEVATION - BATHROOM W  
1/2" = 1'-0"



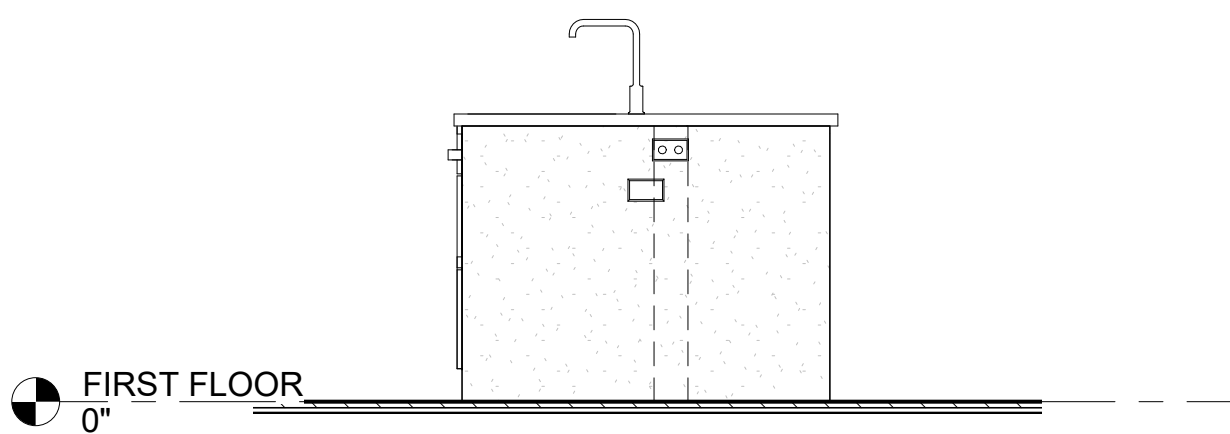
9 ENLARGED PLAN - BATHROOM  
1/2" = 1'-0"



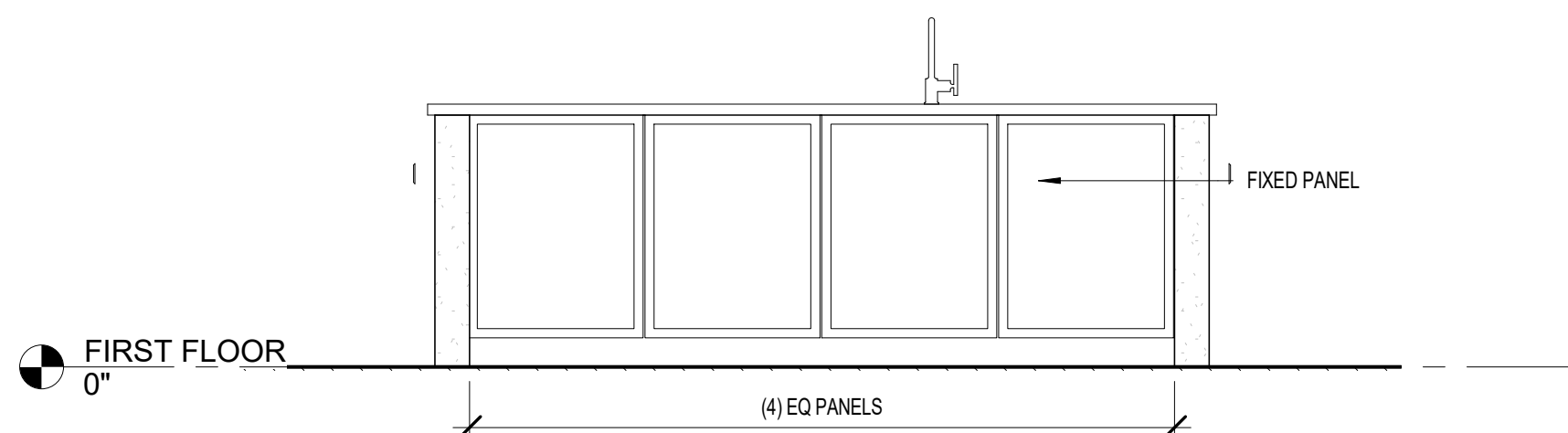
6 INT ELEVATION - POWDER W  
1/2" = 1'-0"



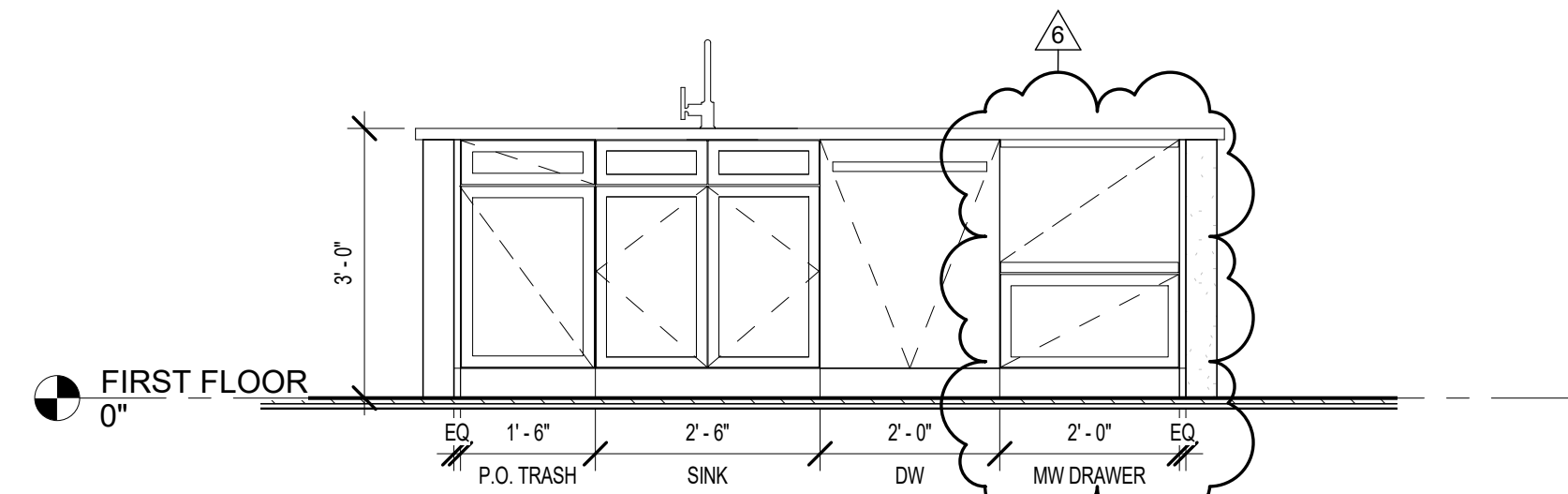
2 INT ELEVATION - KITCHEN N  
1/2" = 1'-0"



8 INT ELEVATION - ISLAND SIDE  
1/2" = 1'-0"



5 INT ELEVATION - ISLAND S  
1/2" = 1'-0"



1 INT ELEVATION - ISLAND N  
1/2" = 1'-0"

## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

|   |             |          |
|---|-------------|----------|
| 6 | BULLETIN 05 | 22.04.21 |
| 4 | BULLETIN 03 | 22.03.04 |
| 2 | BULLETIN 01 | 22.01.07 |

NO. DESCRIPTION DATE

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

## WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

INTERIOR ELEVATIONS

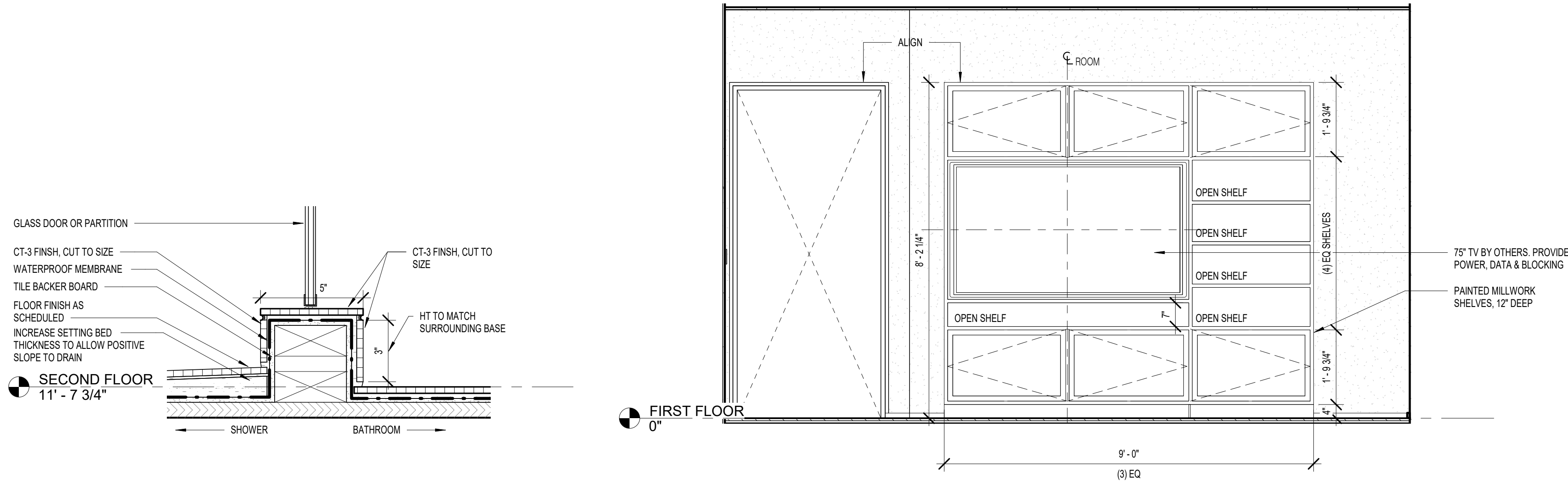
# A401



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt

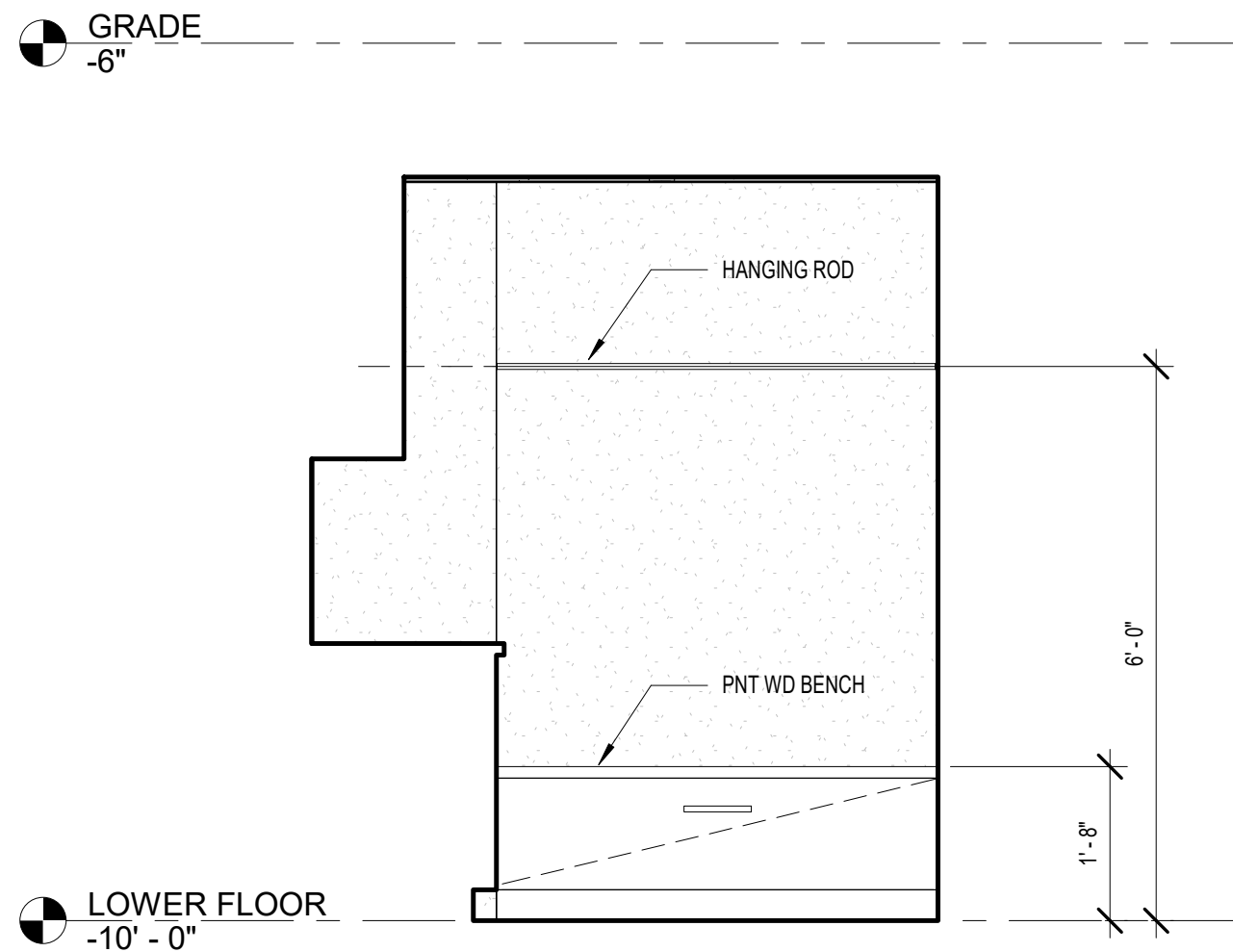
BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

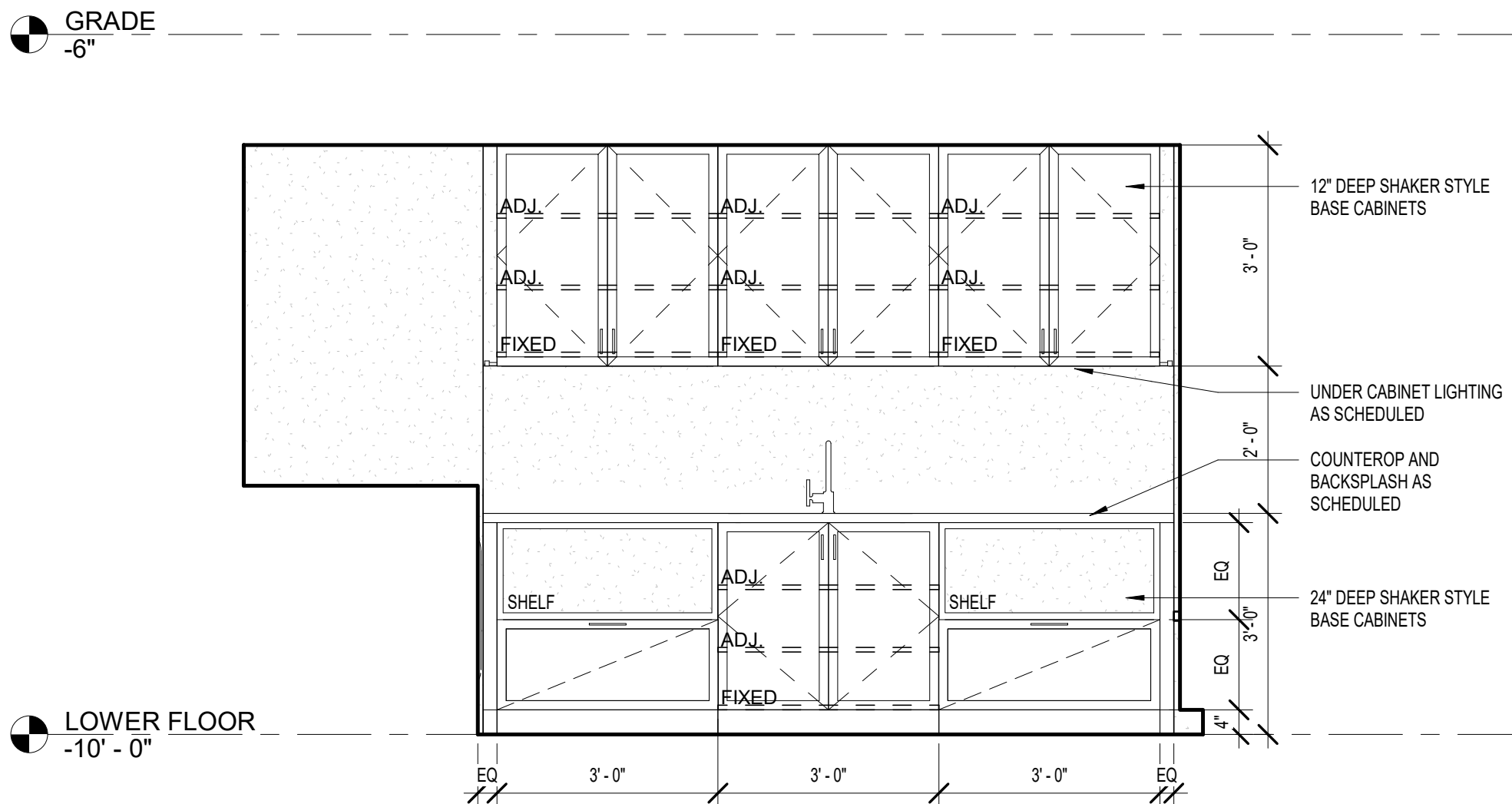


4 SECTION DETAIL - SHOWER CURB  
3" = 1'-0"

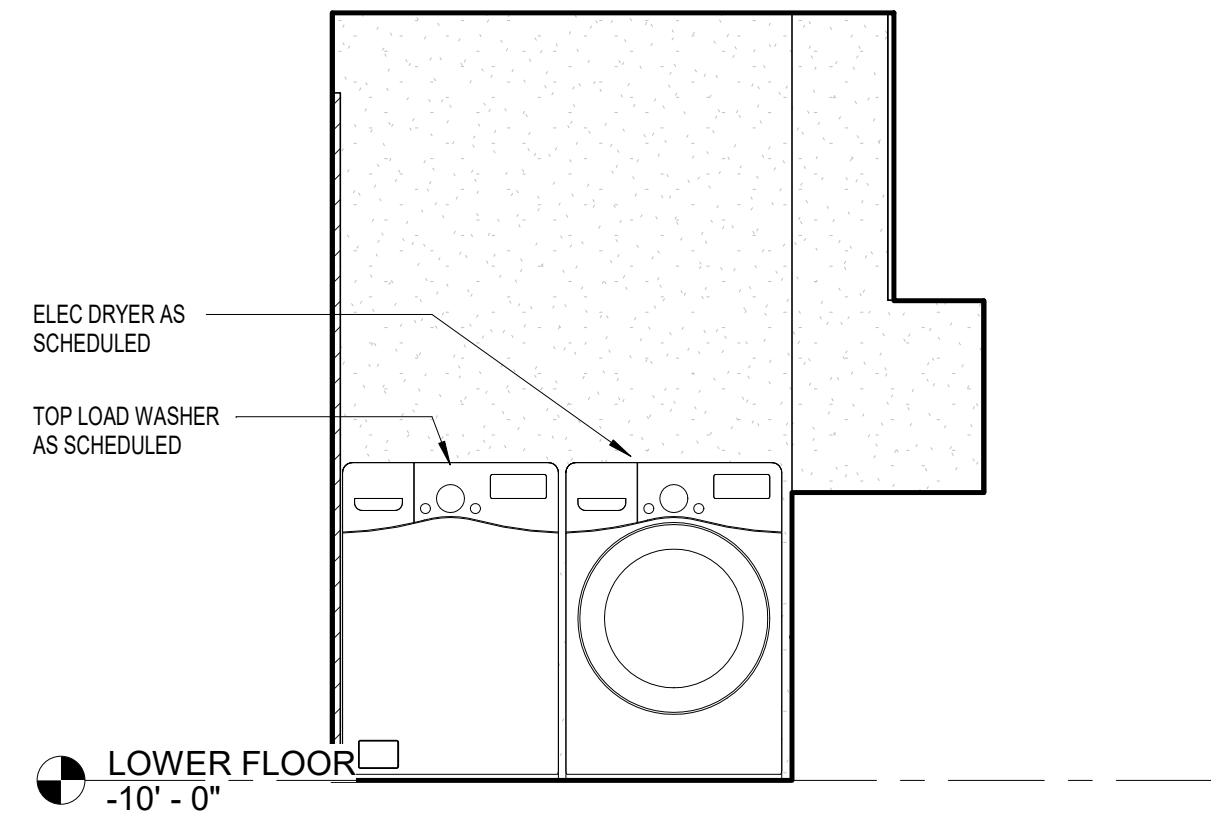
2 INT ELEVATION - LIVING RM S  
1/2" = 1'-0"



5 Elevation 2 - a  
1/2" = 1'-0"



3 INT ELEVATION - LAUNDRY RM W  
1/2" = 1'-0"



1 INT ELEVATION - LAUNDRY N  
1/2" = 1'-0"

NO. DESCRIPTION DATE

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

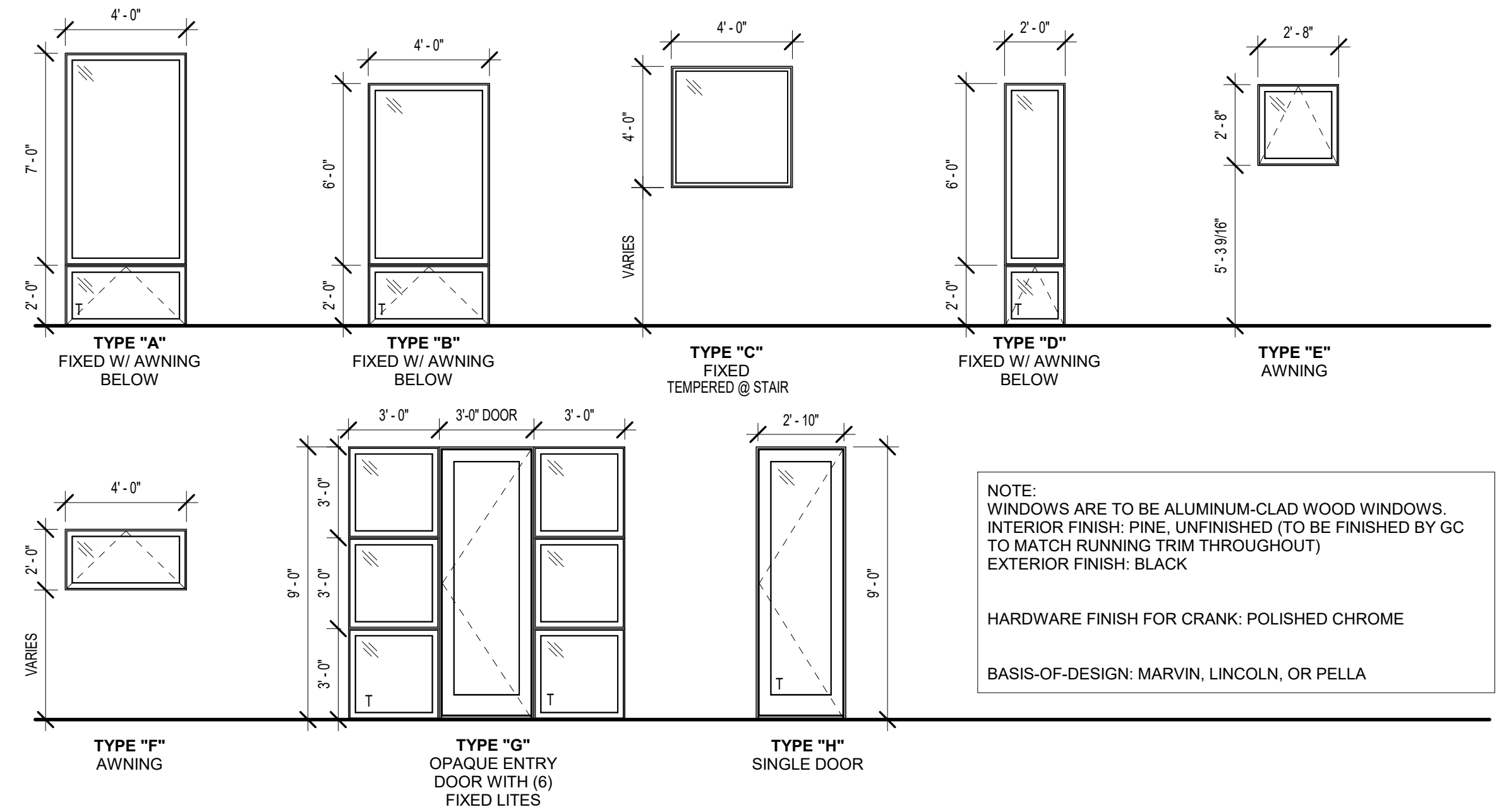
INTERIOR ELEVATIONS

A402



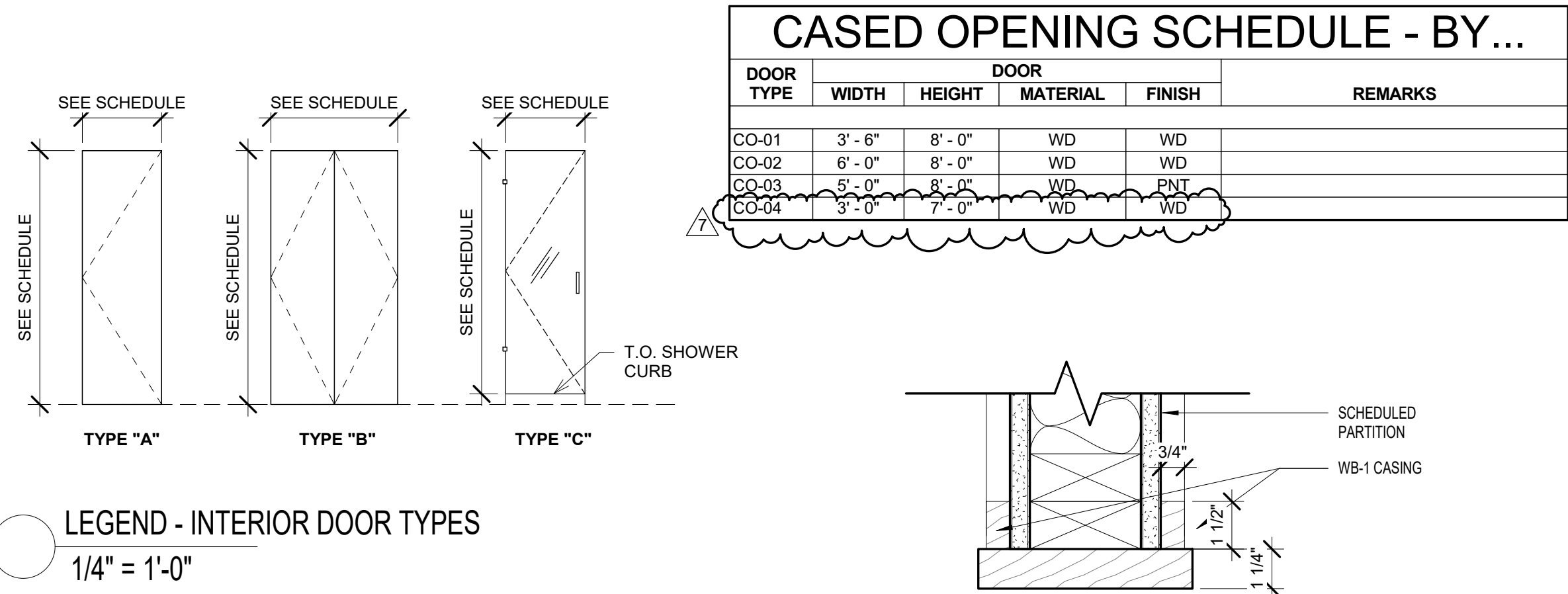
M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt

| LIGHT AND VENT SCHEDULE |           |        |         |             |                 |                   |                |                  |         |
|-------------------------|-----------|--------|---------|-------------|-----------------|-------------------|----------------|------------------|---------|
| ROOM NUM.               | ROOM NAME | AREA   | LV REQ. | BORROWED LV | NAT. LIGHT REQ. | ACTUAL NAT. LIGHT | NAT. VENT REQ. | ACTUAL NAT. VENT | REMARKS |
| 008                     | BASEMENT  | 272 SF | (none)  |             |                 |                   |                |                  |         |
| 101                     | LIVING RM | 301 SF | Yes     | 0           | 24 SF           | 107.7 SF          | 12 SF          | 32.52 SF         |         |
| 102                     | KITCHEN   | 286 SF | Yes     | 0           | 23 SF           | 143.98 SF         | 11 SF          | 68.12 SF         |         |
| 200                     | BED 1     | 215 SF | Yes     | 0           | 17 SF           | 113.8 SF          | 9 SF           | 21.68 SF         |         |
| 202                     | BED 2     | 215 SF | Yes     | 0           | 17 SF           | 135.58 SF         | 9 SF           | 28.88 SF         |         |

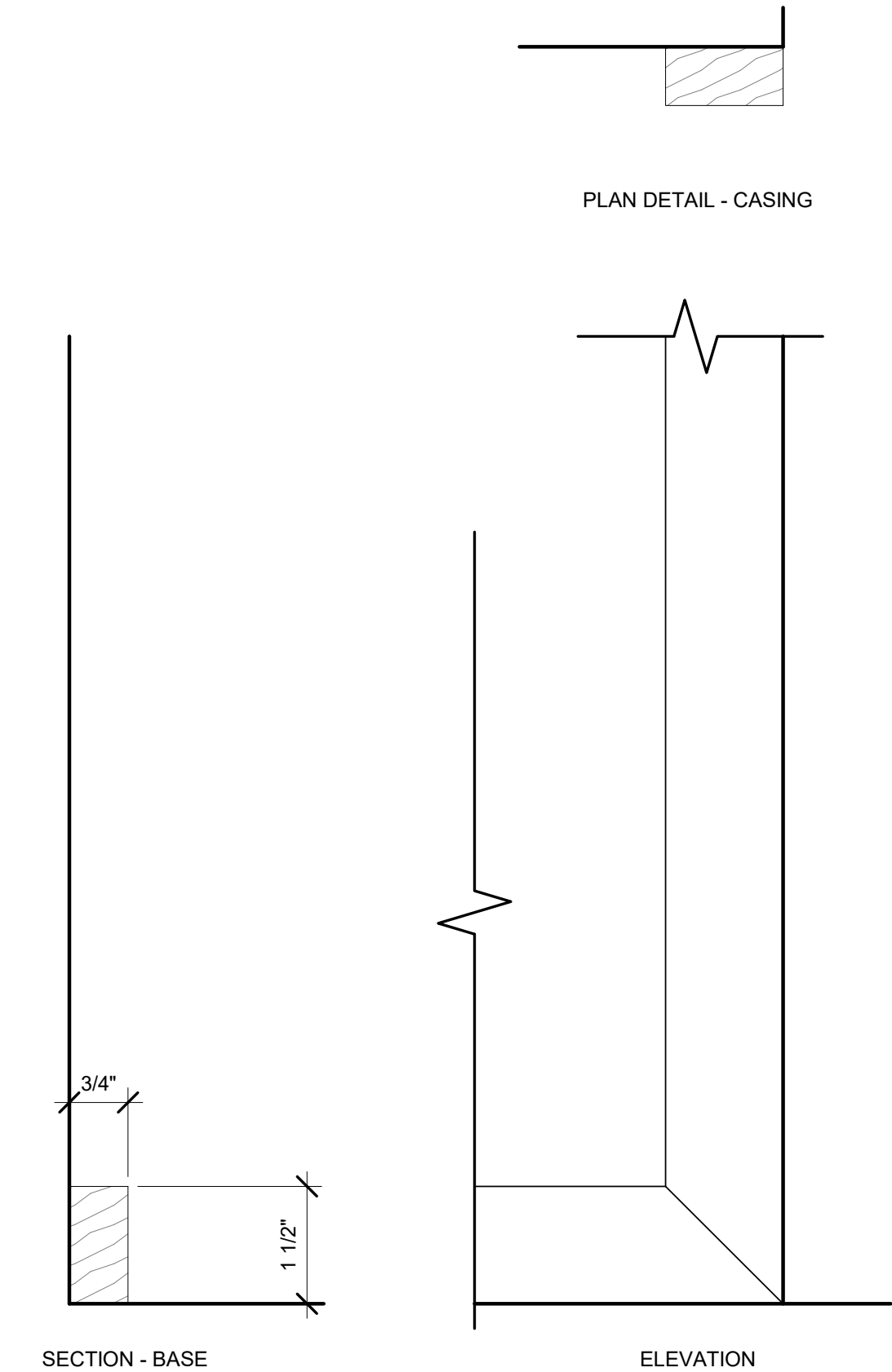
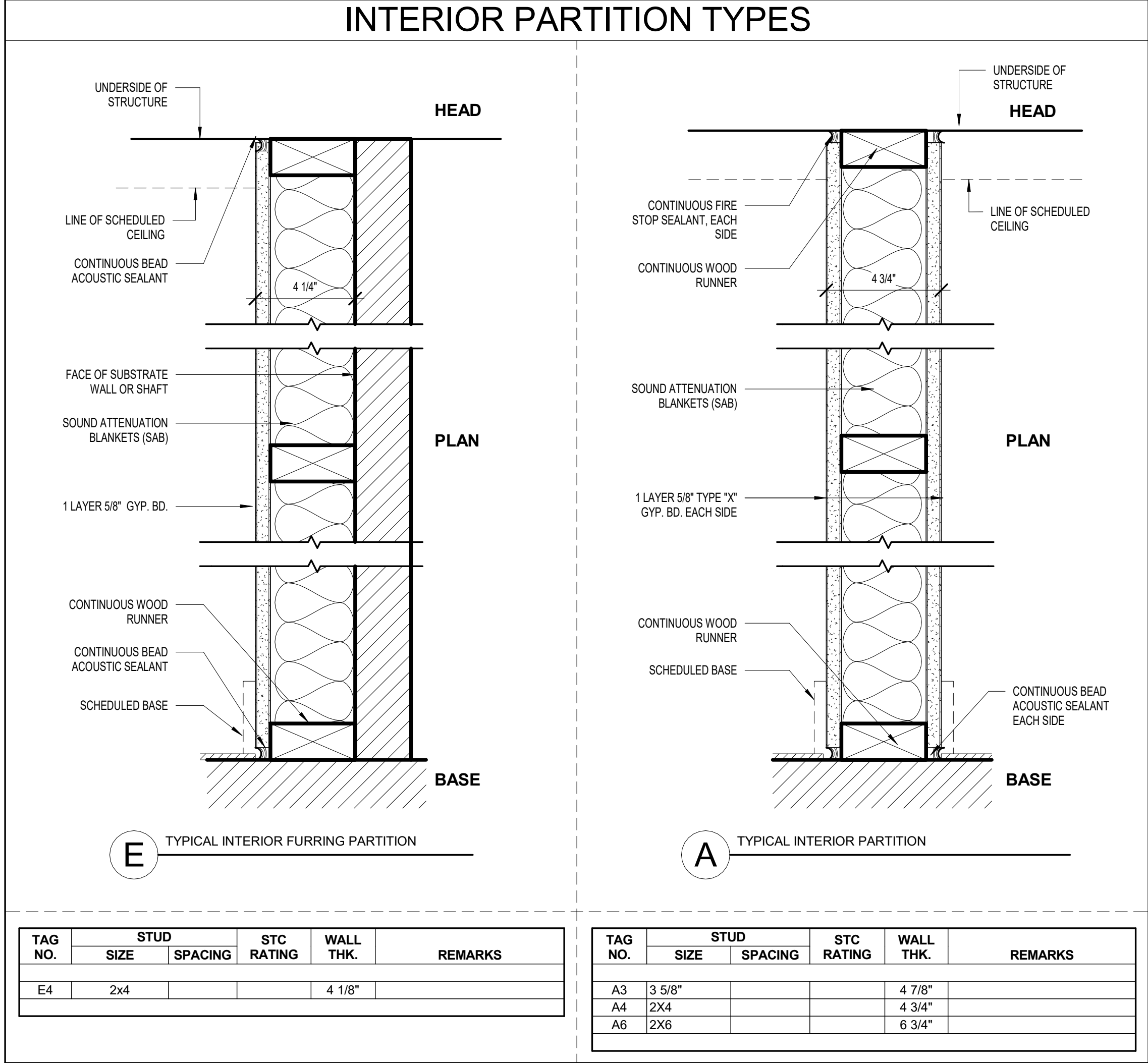


LEGEND - WINDOW TYPES  
1/4" = 1'-0"

| DOOR SCHEDULE - BY TYPE |      |          |         |           |          |         |      |          |        |              |                      |
|-------------------------|------|----------|---------|-----------|----------|---------|------|----------|--------|--------------|----------------------|
| DOOR TYPE               | DOOR |          |         |           |          |         |      | FRAME    |        | HARDWARE SET | REMARKS              |
|                         | TYPE | WIDTH    | HEIGHT  | THICKNESS | MATERIAL | FINISH  | TYPE | MATERIAL | FINISH |              |                      |
| 01                      | A    | 2' - 10" | 8' - 0" | 1 3/4"    | WD       | CLEAR   | WB-1 | WD       | CLEAR  | PRIVACY      | NATURAL FINISH MAPLE |
| 02                      | A    | 2' - 8"  | 8' - 0" | 1 3/4"    | WD       | CLEAR   | WB-1 | WD       | CLEAR  | PASSAGE      | NATURAL FINISH MAPLE |
| 04                      | A    | 2' - 10" | 7' - 0" | 1 3/4"    | WD       | PNT     | WB-1 | WD       | PNT    | PASSAGE      | PNT WHITE            |
| 05                      | A    | 2' - 10" | 8' - 0" | 1 3/4"    | WD       | CLEAR   | WB-1 | WD       | CLEAR  | POCKET       | NATURAL FINISH MAPLE |
| 06                      | C    | 3' - 0"  | 7' - 8" | 1/2"      | GL       | FROSTED |      | --       | --     | SHWR         | TEMPERED GLASS       |



2 DOOR DETAIL - CASIED OPENING  
3" = 1'-0"



1 WB-01 BASE AND CASING  
6" = 1'-0"

## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

### WALL TYPE LEGEND

#### A1

STUD SIZE  
PARTITION TYPE

#### STUD SIZES

WD STUDS 4 = 2 x 4  
6 = 2 x 6  
8 = 2 x 4

#### "TL" = WALLS WITH TILE

- IF WALL HAS TILE, DIMENSIONS IN PLAN ARE TO FACE OF TILE.
- TILE IS DRAWN AT 1/2" THICK.
- GC TO COORDINATE TILE THICKNESS WITH SPECIFIED PRODUCT.

#### PARTITION GENERAL NOTES

- NOT ALL REQUIRED WOOD AND SHEET METAL WALL AND CEILING BLOCKING IS INDICATED ON THE CONTRACT DOCUMENTS.
- UNLESS NOTED OTHERWISE, INTERIOR PARTITIONS (NOT INCLUDING SHAFTWALL AT ELEVATOR HOISTWAYS) AND APPLIED WALL FINISHES SHALL BE DESIGNED TO SUPPORT THEIR OWN WEIGHT AND RESIST A LATERAL LOAD OF 5 PSF.
- LIMIT DEFLECTION OF INTERIOR DRYWALL PARTITIONS TO L/240. LIMIT DEFLECTION OF INTERIOR DRYWALL PARTITIONS WITH VENEER FINISH MATERIALS, I.E. TILE, TO L/360.
- UNLESS NOTED OTHERWISE, PROVIDE CONTROL JOINTS IN FLOOR, CEILING, AND WALL ASSEMBLIES PER INDUSTRY STANDARDS. ALL JOINT LOCATIONS SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- ALL TOP OF NON-LOADING PARTITIONS SHALL ALLOW FOR THE LIVE LOAD DEFLECTION OF THE FLOOR ABOVE.
- PAPER FACED GYPSUM BOARD SHALL NOT BE USED IN SAUNAS, STEAM ROOMS, SHOWER OR BATHTUB ENCLOSURES.
- AT ALL BATHROOMS, USE 5/8" TYPE "X" MOISTURE RESISTANT WALL BOARD  
AT SHOWERS/ WET APPLICATIONS, USE 1/2" CEMENT BOARD OR TILE BACKER BOARD WITH CONTINUOUS FLUID APPLIED WATERPROOFING  
AT NON-WET TILE WALL APPLICATIONS, USE 1/2" CEMENT BOARD

|   |             |          |
|---|-------------|----------|
| 7 | BULLETIN 06 | 22.08.08 |
| 3 | BULLETIN 02 | 22.02.07 |

NO. DESCRIPTION DATE

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

PROJECT NUMBER 2111

## WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

### SCHEDULES

A600



M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt

| ROOM FINISH SCHEDULE |                  |        |          |        |               |        |          |        |         |
|----------------------|------------------|--------|----------|--------|---------------|--------|----------|--------|---------|
| ROOM NO.             | ROOM NAME        | FLOOR  | BASE     |        | WALL          |        | CEILING  |        | REMARKS |
|                      |                  |        | MATERIAL | FINISH | MATERIAL      | FINISH | MATERIAL | FINISH |         |
| 001                  | STAIR WELL       | CPT-1  | WB-1     | PNT-1  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 002                  | LAUNDRY          | CT-4   | WB-1     | PNT-1  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 006                  | STORAGE          | CONC-2 | WB-1     | PNT-1  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 007                  | MECHANICAL SPACE | CONC-2 | -        | -      | -             | -      | -        | -      |         |
| 008                  | BASEMENT         | BE-1   | WB-1     | PNT-1  | GYP BD        | PNT-01 | ACT-1    | OC-150 |         |
| 100                  | ENTRY            | WD-1   | WB-1     | CLEAR  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 100.1                | CL               | WD-1   | WB-1     | PNT-1  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 100.2                | CL               | WD-1   | WB-1     | PNT-1  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 100.3                | PR               | WD-1   | WB-1     | CLEAR  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 101                  | LIVING RM        | WD-1   | WB-1     | CLEAR  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 102                  | KITCHEN          | WD-1   | WB-1     | CLEAR  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 103                  | SCREENED PORCH   | CONC-1 | -        | -      | SIDING-2      | PNT-01 | SIDING-2 | PNT-01 |         |
| 200                  | BED 1            | CPT-1  | WB-1     | CLEAR  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 201                  | BATH 1           | CT-3   | WB-2     | -      | GYP BD / CT-1 | PNT-01 | GYP BD   | PNT-01 |         |
| 202                  | BED 2            | CPT-1  | WB-1     | CLEAR  | GYP BD        | PNT-01 | GYP BD   | PNT-01 |         |
| 203                  | BATH 2           | CT-3   | WB-2     | -      | GYP BD / CT-1 | PNT-01 | GYP BD   | PNT-01 |         |

| INTERIOR FINISHES |                                                                     |                         |                        |                                           |                     |                                           |                          |                       |                               |                |
|-------------------|---------------------------------------------------------------------|-------------------------|------------------------|-------------------------------------------|---------------------|-------------------------------------------|--------------------------|-----------------------|-------------------------------|----------------|
| TAG               | MATERIAL TYPE                                                       | APPLICATION             | LOCATION               | DESCRIPTION                               | MANUFACTURER        | NAME/MODEL/STYLE                          | COLOR                    | FINISH                | SIZE                          | COMMENTS       |
| WD-1              | WOOD FLOOR                                                          | FLOOR                   | THROUGHOUT             | ENGINEERED WOOD FLOORING                  | KENTWOOD            | BOHEMIA                                   | NORTH SHORE, BRUSHED OAK |                       |                               |                |
| CPT-1             | CARPET                                                              | FLOOR                   | STAIR, BEDRM, GAME RM  | CARPET                                    | SHAW FLOORING       | 5E041 AERIAL VIEW                         | CANVAS 00103             |                       |                               |                |
| RF-1              | RUBBER FLOOR                                                        | FLOOR                   | FITNESS                | RUBBER TILES                              | RUBBER FLOORING INC | 8mm STRONG RUBBER TILES - DESIGNER SERIES | GRANITE PEAK 95%         |                       |                               |                |
| CAB-1             | MILLWORK                                                            | CABINETS & OPEN SHELVES | THROUGHOUT             |                                           |                     |                                           | WHITE                    | GLOSS LACQUER         | SEE DWG                       | SHAKER STYLE   |
| ST-1              | STONE / QUARTZ                                                      | COUNTERTOP & BACKSPLASH | KITCHEN, BATHROOMS,... | QUARTZ SLAB                               | VICOSTONE           | CLASSIC COLLECTION                        | THASOS BQ206             | POLISHED              | 30 MM, SEACLIFF...            |                |
| CT-1              | CERAMIC TILE                                                        | WALL                    | SHOWER                 | CERAMIC WALL TILE                         | ANATOLIA TILE       | SOHO                                      | CANVAS WHITE             | GLOSSY                | 2X12                          | VERTICAL STACK |
| CT-2              | PORCELAIN TILE                                                      | FLOOR                   | SHOWER                 | PORCELAIN FLOOR TILE                      | ANATOLIA TILE       | LA MARCA                                  | ARABESCATO               | HONED                 | 2X2 MOSAIC                    |                |
| CT-3              | PORCELAIN TILE                                                      | WALL                    | BATHROOM               | PORCELAIN FLOOR TILE                      | ANATOLIA TILE       | LA MARCA                                  | ARABESCATO               | HONED                 | 12X24                         | RUNNING BOND   |
| CT-4              | PORCELAIN TILE                                                      | FLOOR                   | LAUNDRY RM             | PORCELAIN FLOOR TILE                      | ANATOLIA TILE       | NEXUS                                     | ICE                      | PRESSED MATTE         | 13X13                         |                |
| WB-1              | WOOD BASE                                                           | WALL                    | THROUGHOUT             | MAPLE WOOD BASE                           |                     |                                           | VARIES, SEE FINISH...    | VARIES, SEE FINISH... | SEE DTL ON A600               |                |
| WB-2              | PORCELAIN WALL BASE                                                 | WALL                    | BATHROOMS              | PORCELAIN BASE                            | ANATOLIA TILE       | LA MARCA                                  | ARABESCATO               | HONED                 | 3X12                          | BULLNOSE       |
| CONC-1            | COLORED & SEALED CONCRETE                                           | FLOOR                   | SCREEN PORCH           | CONCRETE SLAB WITH INTEGRAL COLOR, SEALED |                     |                                           | SAND                     |                       |                               |                |
| CONC-2            | SEALED CONCRETE                                                     | FLOOR                   | BASEMENT               | CONRETE SLAB, SEALED                      |                     |                                           | NATURAL                  |                       |                               |                |
| PNT-01            | PAINT                                                               | WALL & CEILING          | THROUGHOUT             | WHITE PAINT                               | BENJAMIN MOORE      | OC-150                                    | BRILLIANT WHITE          | EGGSHELL              |                               |                |
| RS-1              | ROLLER SHADE FABRIC                                                 |                         | THROUGHOUT             | SOLAR SHADE FABRIC                        | TEXTSTYLE           | 3000 NET                                  | N002 WHITE/BEIGE         |                       | 3% OPENNESS                   |                |
| RS-2              | ROLLER SHADE FABRIC                                                 |                         | BEDROOMS               | BLACKOUT SHADE FABRIC                     | TEXTSTYLE           | TEMPE                                     | LINEN                    |                       |                               |                |
| ACT-1             | ACT DROP CEILING                                                    | CEILING                 | BASEMENT               | WOOD PLANK STYLE ACT CEILING              | ARMSTRONG           | WOODHAVEN #1148                           | PAINTED WHITE            |                       | 5"X84"                        |                |
| EXTERIOR FINISHES |                                                                     |                         |                        |                                           |                     |                                           |                          |                       |                               |                |
| TAG               | DESCRIPTION                                                         |                         |                        |                                           | MANUFACTURER        | NAME/MODEL/STYLE                          | FINISH                   | SIZE                  | COMMENTS                      |                |
| SIDING-1          | WOOD SIDING                                                         |                         |                        |                                           | NAKAMOTO FORESTRY   | GENDAI                                    | AMBER                    | 1X6 SHIPLAP           | INSTALLED VERTICALLY          |                |
| SIDING-2          | EXTERIOR GRADE BEADBOARD, BASIS OF DESIGN                           |                         |                        |                                           | AZEK EXTERIORS      | BEADBOARD                                 | PNT WHITE                |                       | INSTALLED VERTICALLY ON...    |                |
| ROOF-1            | STANDING SEAM METAL ROOF, SEAMS 16" O.C. ZINC OR PNT'D ALUM (BLACK) |                         |                        |                                           |                     |                                           |                          |                       |                               |                |
|                   | VENTILATED ROOF UNDERLAYMENT, BASIS OF DESIGN                       |                         |                        |                                           | DORKEN              | DELTA-TRELA                               |                          |                       |                               |                |
|                   | WEATHER BARRIER, BASIS OF DESIGN                                    |                         |                        |                                           | HENRY CO.           | BLUESKIN VP-160                           |                          |                       | SELF-ADHERED SHEET MEMBRAN... |                |
|                   | FLUID-APPLIED WATERPROOFING, BASIS OF DESIGN                        |                         |                        |                                           | TREMCO              | TREMPROOF 250GC                           |                          |                       |                               |                |
|                   | BELOW SLAB VAPOR RETARDER, BASIS OF DESIGN                          |                         |                        |                                           | STEGO INDUSTRIES    | STEGO WRAP                                |                          |                       |                               |                |

FINISH GENERAL NOTES

- ALL PLUMBING FIXTURES AND COUNTERTOPS (TOILET ROOMS, KITCHENS, ETC.) SHALL BE CAULKED TO THE ADJACENT MATERIAL WITH AN ANTI-MIBROBIAL SEALANT.
- TILE JOINTS AT CHANGES IN PLANE SHALL BE SEALED WITH SEALANT.
- ALL JOINTS BETWEEN THE TILE FINISHES AND DOOR/WINDOW FRAMES SHALL BE CAULKED WITH A SEALANT COLOR TO MATCH THE GROUT JOINT COLOR.
- CEILING ACCESS PANELS SHALL BE PAINTED TO MATCH FINISH CEILING.
- WHERE TOUCH-UP PAINTING IS REQUIRED, REPAINT THE ENTIRE WALL TO MAINTAIN CONSISTENT COLOR.
- ALL OUTLETS, SWITCHES AND COVERPLATES TO BE WHITE ON LIGHT BACKGROUNDS, AND BLACK ON DARK BACKGROUNDS.
- ITEMS REQUIRING FINISH SELECTIONS THAT DO NOT APPEAR ON THE FINISH SCHEDULE SHALL BE SELECTED FROM SHOP DRAWING SUBMITTALS AND/OR SAMPLES AS REQUIRED BY THE ARCHITECTURAL SPECIFICATIONS.
- FLOOR FINISH TRANSISTIONS SHALL OCCUR AT THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
- REFERENCE CODE MATRIX FOR INTERIOR WALL AND CEILING FINISHES FLAME SPREAD RATING AND SMOKE DEVELOPED RATING. REFERENCE CODE MATRIX FOR FLOOR COVERING CRITICAL RADIANT FLUX RATING.

BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

|   |             |          |
|---|-------------|----------|
| 7 | BULLETIN 06 | 22.08.08 |
| 3 | BULLETIN 02 | 22.02.07 |
| 2 | BULLETIN 01 | 22.01.07 |

|     |             |      |
|-----|-------------|------|
| NO. | DESCRIPTION | DATE |
|-----|-------------|------|

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

|                |      |
|----------------|------|
| PROJECT NUMBER | 2111 |
|----------------|------|

WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

SCHEDULES

A601





EXTERIOR PERSPECTIVE - SOUTHWEST



EXTERIOR PERSPECTIVE - NORTHEAST



INTERIOR PERSPECTIVE - KITCHEN



INTERIOR PERSPECTIVE - LIVING RM

## BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|-----|-------------|------|

ISSUED FOR  
CONSTRUCTION  
NOVEMBER 19, 2021

|                |      |
|----------------|------|
| PROJECT NUMBER | 2111 |
|----------------|------|

## WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

3D VIEWS

# A900



ABBREVIATIONS

| ABBRV. | WORD OR PHRASE                | ABBRV. | WORD OR PHRASE                   |
|--------|-------------------------------|--------|----------------------------------|
| #      | AND                           | IF     | INSIDE FACE                      |
| @      | AT                            | INFO   | INFORMATION                      |
| AB     | ANCHOR BOLT                   | INT    | INTERIOR                         |
| ADDL   | ADDITIONAL                    | JST    | JOIST                            |
| AHU    | AIR HANDLING UNIT             | KLF    | KIPS PER LINEAR FOOT             |
| ALT    | ALTERNATE                     | KSF    | KIPS PER SQUARE FOOT             |
| APA    | AMERICAN PLYWOOD ASSOCIATION  | KSI    | KIPS PER SQUARE INCH             |
| APPROX | APPROXIMATE                   | L      | ANGLE                            |
| ARCH   | ARCHITECT(URAL)               | LL     | LIVE LOAD                        |
| ASD    | ALLOWABLE STRESS DESIGN       | LLH    | LONG LEG HORIZONTAL              |
| B      | BOTTOM OF                     | LLV    | LONG LEG VERTICAL                |
| BC     | BOTTOM CORD                   | LRFD   | LOAD RESISTANCE FACTOR DESIGN    |
| BLDG   | BUILDING                      | LSL    | LAMINATED STRAND LUMBER          |
| BLKG   | BLOCKING                      | LVL    | LAMINATED VENEER LUMBER          |
| BM     | BEAM                          | LW     | LONG WAY                         |
| BOT    | BOTTOM                        | MAX    | MAXIMUM                          |
| BP     | BASE PLATE                    | MECH   | MECHANICAL                       |
| BRG    | BEARING                       | MEP    | MECHANICAL, ELECTRICAL, PLUMBING |
| BTWN   | BETWEEN                       | MFR    | MANUFACTURER                     |
| CIP    | CAST IN PLACE                 | MIN    | MINIMUM                          |
| CJ     | CONTRACTOR CONSTRUCTION JOINT | MISC   | MISCELLANEOUS                    |
| CL     | CENTERLINE                    | MS     | MIDDLE STRIP                     |
| CLR    | CLEAR                         | MSR    | MACHINE STRESS RATED             |
| CMU    | CONCRETE MASONRY UNIT         | NS     | NEAR SIDE                        |
| COL    | COLUMN                        | NTS    | NOT TO SCALE                     |
| CONC   | CONCRETE OR CONCENTRATED      | OC     | ON CENTER                        |
| CONN   | CONNECTION                    | OD     | OUTSIDE DIAMETER                 |
| CONT   | CONTINUOUS                    | OF     | OUTSIDE FACE                     |
| CORR   | CORRIDOR                      | OPP    | OPPOSITE                         |
| CS     | COLUMN STRIP                  | PARA   | PARALLEL                         |
| CTR    | CENTER                        | PC     | PILE CAP                         |
| DBL    | DOUBLE                        | PCF    | POUNDS PER CUBIC FOOT            |
| DEFL   | DEFLECTION                    | PERP   | PERPENDICULAR                    |
| DEMO   | DEMOLITION                    | PL     | PLATE                            |
| DFL    | DOUGLAS FIR LARCH             | PLF    | POUNDS PER LINEAR FOOT           |
| DIA    | DIAMETER                      | PLU    | PLUMBING                         |
| DIM    | DIMENSION                     | PLY    | PLYWOOD                          |
| DL     | DEAD LOAD                     | PSF    | POUNDS PER SQUARE FOOT           |
| DP     | DRILLED PIER                  | PSI    | POUNDS PER SQUARE INCH           |
| DS     | DRAG STRUT                    | PSL    | PARALLEL STRAND LUMBER           |
| DTL    | DETAIL                        | PT     | POST TENSIONED                   |
| DWG    | DRAWING                       | PTW    | PRESSURE TREATED WOOD            |
| DWL    | DOWEL                         | R      | RADIUS                           |
| EA     | EACH                          | RD     | ROOF DRAIN                       |
| EF     | EACH FACE                     | REF    | REFERENCE                        |
| EJ     | EXPANSION JOINT               | REINF  | REINFORCEMENT                    |
| EL     | ELEVATION                     | REQD   | REQUIRED                         |
| ELEC   | ELECTRICAL                    | REV    | REVISION                         |
| EMBED  | EMBEDMENT                     | RO     | ROUGH OPENING                    |
| EOD    | EDGE OF DECK                  | RTU    | ROOF TOP UNIT                    |
| EOS    | EDGE OF SLAB                  | SC     | SLIP CRITICAL                    |
| EP     | EMBED PLATE                   | SCHED  | SCHEDULE                         |
| EQ     | EQUAL                         | SHT    | SHEET                            |
| EQUIP  | EQUIPMENT                     | SIM    | SIMILAR                          |
| EW     | EACH WAY                      | SMS    | SHEET METAL SCREWS               |
| EXIST  | EXISTING                      | SOG    | SLAB ON GRADE                    |
| EXT    | EXPANSION                     | SP     | SOUTHERN PINE                    |
| EXT    | EXTERIOR                      | SPEC   | SPECIFICATION                    |
| FD     | FLOOR DRAIN                   | SFF    | SPRUCE-PINE-FIR                  |
| FF     | FINISH FLOOR                  | SQ     | SQUARE                           |
| FIN    | FINISH                        | SS     | STAINLESS STEEL                  |
| FLR    | FLOOR                         | STD    | STANDARD                         |
| FND    | FOUNDATION                    | STIF   | STIFFENER                        |
| FRMG   | FRAMING                       | STL    | STEEL                            |
| FRT    | FIRE RETARDANT TREATED        | STR    | STRUCTURAL                       |
| FS     | FAR SIDE                      | SW     | SHEAR WALL                       |
| FTG    | FOOTING                       | SYM    | SYMMETRICAL                      |
| GA     | GAGE                          | T&B    | TOP AND BOTTOM                   |
| GALV   | GALVANIZED                    | T&G    | TONGUE AND GROOVE                |
| GB     | GRADE BEAM                    | T/     | TOP OF                           |
| GC     | GENERAL CONTRACTOR            | TC     | TOP CHORD                        |
| GP     | GIRDER TRUSS                  | TEMP   | TEMPORARY                        |
| GYP    | GYPSUM                        | TRANS  | TRANSVERSE                       |
| HDR    | HOT DIPPED GALVANIZED         | TS     | TUBE STEEL                       |
| HDR    | HEADER                        | TYP    | TYPICAL                          |
| HIF    | HEM FIR                       | UNO    | UNLESS NOTED OTHERWISE           |
| HIF    | HORIZONTAL INSIDE FACE        | VERT   | VERTICAL                         |
| HOF    | HORIZONTAL OUTSIDE FACE       | VIF    | VERIFY IN FIELD                  |
| HORIZ  | HORIZONTAL                    | W      | WITH                             |
| HSS    | HOLLOW STRUCTURAL SECTION     | WO     | WITHOUT                          |
| HT     | HEIGHT                        | WF     | WIDE FLANGE                      |
| HVAC   | HEATING, VENTING & AIR COND.  | WP     | WORKPOINT                        |
| HWS    | HEADED WELD STUD              | WT     | WEIGHT                           |
| ID     | INSIDE DIAMETER               | WWF    | WELDED WIRE FABRIC               |

FOUNDATION NOTES

- PRESUMPTIVE SOIL BEARING CAPACITY = 2500 PSF
- FOUNDATION DESIGN CRITERIA IS BASED ON GEOTECHNICAL REPORT FILE C1691 PREPARED BY CGC DATED MAY 18, 2016.
- REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING EXCAVATION, SIDE SLOPES, SUB-GRADE PREPARATION, AND FILL RECOMMENDATIONS. PROJECT GEOTECHNICAL REPORT SUPERCEDES INFORMATION PROVIDED ON THE PLANS.
- REMOVE TOPSOIL FROM BENEATH ALL PROPOSED CONSTRUCTION AREAS.
- SEE CIVIL DRAWINGS FOR BENCHMARK = ELEVATION 100'-0".
- ALL MATERIAL USED IN GRADING OPERATIONS SHALL CONSIST OF COMPACTED FILL WHICH IS FREE OF DEBRIS, BOULDERS OR ORGANIC MATERIAL. ALL FILL BELOW BUILDING FOOTPRINT SHALL BE PLACED IN MAXIMUM OF 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY. COMPACTION TESTING IS REQUIRED.
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED FILL HAVING A MINIMUM ALLOWABLE BEARING CAPACITY AS INDICATED ABOVE. THE DESIGN BEARING VALUES SHOULD BE VERIFIED BY A QUALIFIED TESTING AGENCY PRIOR TO PLACING CONCRETE.
- THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IF ACTUAL FIELD CONDITIONS DO NOT MEET BEARING REQUIREMENTS OR, IF QUESTIONABLE SOIL CONDITIONS ARE DISCOVERED INCLUDING BUT NOT LIMITED TO PEAT AND OTHER HIGH ORGANIC SOILS.
- ALL BEARING SOIL OR FILL MUST BE PROTECTED FROM FREEZING. THE CONTRACTOR SHALL PROVIDE PROTECTION TO PREVENT FROST PENETRATION BELOW THE CONCRETE BEARING ELEVATIONS. ANY FROZEN SOIL BELOW THE FOUNDATION BEARING LEVEL MUST BE REMOVED PRIOR TO PLACING CONCRETE.
- BACKFILL EVENLY ON EACH SIDE OF FOUNDATION WALLS AND RETAINING WALLS. BACKFILL EVENLY AROUND PERIMETER BASEMENT WALLS AFTER SLAB ON GRADE AND FIRST ELEVATED FLOOR ARE IN PLACE.
- NO HOLES, TRENCHES, OR DISTURBANCES OF THE SOIL SHALL BE ALLOWED WITHIN THE VOLUME DESCRIBED BY 45 DEGREE LINES SLOPING FROM THE BOTTOM EDGE OF THE FOOTING. IF SUCH ARE REQUIRED, FOOTINGS MUST BE LOWERED, UNLESS OTHERWISE NOTED.

GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON ON EXISTING STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH ARCHITECT. DO NOT SCALE DRAWINGS.
- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL, AND OTHER DESIGN CONSULTANTS' DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS. ANY APPARENT DISCREPANCIES, LIMITATIONS OR CONCERNS RESULTING FROM THIS COORDINATION SHOULD BE RESOLVED WITH THE ARCHITECT IMMEDIATELY.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTING. NOTIFY THE ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL BUILDING MATERIALS AND COMPONENTS. COMPONENT LOCATIONS ARE SHOWN FOR DESIGN INTENT, NOT EXACT LOCATION, SPECIFICALLY. INDEPENDENTLY PREPARED SHOP DRAWINGS ARE REQUIRED OF ALL TRADES FOR COORDINATION AND BEST PRACTICE. ERRORS OR OMISSIONS IN INSTALLATION DUE TO THE CONTRACTOR'S FAILURE TO COORDINATE THE WORK WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CONCRETE NOTES

- MATERIAL SPECIFICATIONS
  - FOOTINGS3,000 PSI @ 28 DAYS
  - FOUNDATIONS3,000 PSI @ 28 DAYS
  - PIERS & COLUMNS3,000 PSI @ 28 DAYS
  - INTERIOR SLAB ON GRADE3,000 PSI @ 28 DAYS
  - EXTERIOR SLABS4,500 PSI @ 28 DAYS
  - ALL OTHER CIP CONCRETE NOT NOTED3,000 PSI @ 28 DAYS
  - CONCRETE REINFORCING STEEL60 KSI, ASTM A615
  - WELDED WIRE REINFORCEMENT65 KSI, ASTM A185
- ANCHORS INTO CONCRETE
  - ANCHOR RODSASTM F1554 (SEE SCHEDULE FOR GRADE)
  - ADHESIVE ANCHORSHILTI HAS-E THREADED ROD WITH HIT-HY 200
  - MECHANICAL ANCHORSHILTI KWIK BOLT III OR EQUAL
  - POWDER DRIVEN FASTENERSHILTI DS OR EQUAL
- REINFORCING CLEAR COVER (MIN)
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
  - CONCRETE EXPOSED TO EARTH OR WEATHER#6 THROUGH #18 BARS: 2"
  - #5 BARS AND SMALLER: 1 1/2"
  - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:SLABS, WALLS, & JOISTS#14 & #18 BARS: 1 1/2"#11 BARS AND SMALLER: 3/4"
  - BEAMS & COLUMNSPRIMARY REINFORCEMENT, TIES, & SPIRALS: 1 1/2"
- UNLESS NOTED OTHERWISE ON THE DRAWINGS ALL REINFORCING SHALL BE LAPPED PER SCHEDULE:

| CLASS "B" TENSIONS LAP SPICE LENGTHS |                    |                      |                    |                      |
|--------------------------------------|--------------------|----------------------|--------------------|----------------------|
| BAR SIZE                             | 3,000 PSI CONCRETE |                      | 4,000 PSI CONCRETE |                      |
|                                      | STANDARD           | STD HOOK, DEV LENGTH | STANDARD           | STD HOOK, DEV LENGTH |
| #3                                   | 22" 28" 9"         |                      | 19" 24" 8"         | 17" 22" 7"           |
| #4                                   | 29" 37" 12"        |                      | 25" 33" 10"        | 23" 29" 9"           |
| #5                                   | 36" 47" 14"        |                      | 31" 41" 12"        | 28" 36" 11"          |
| #6                                   | 43" 56" 17"        |                      | 37" 49" 15"        | 34" 43" 13"          |
| #7                                   | 63" 81" 20"        |                      | 54" 71" 17"        | 49" 63" 15"          |
| #8                                   | 72" 93" 22"        |                      | 62" 81" 19"        | 56" 72" 17"          |
| #9                                   | 81" 105" 25"       |                      | 70" 91" 22"        | 62" 81" 20"          |
| #10                                  | 91" 118" 28"       |                      | 79" 102" 25"       | 69" 90" 22"          |
| #11                                  | 101" 131" 31"      |                      | 87" 113" 27"       | 76" 99" 24"          |

- THE TABULATED VALUES ARE CLASS "B" LAP SPICES PER ACI 318.
  - TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE BELOW.
  - SPICE LENGTHS ARE BASED ON THE DIAMETER OF THE LARGER BAR BEING SPICED.
  - MINIMUM HOOKED BAR EXTENSION = MIN BEND DIAMETER + 12db.
  - DIVIDE SPICE LENGTHS BY 1.3 TO GET DEVELOPMENT LENGTHS.
- ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM WITH THE LOCAL BUILDING CODE REQUIREMENTS AND THOSE OF THE LATEST EDITION OF THE ACI MANUAL OF CONCRETE PRACTICE.
  - ALL CONCRETE, UNLESS SPECIFICALLY NOTED, SHALL BE NORMAL WEIGHT (145 PCF).
  - CALCIUM CHLORIDE AND OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED.
  - ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE AIR ENTRAINED TO 6% (+/- 1.5%) AND HAVE A MAXIMUM 1" AGGREGATE.
  - EXTERIOR BASEMENT AND EXPOSED RETAINING WALLS SHALL HAVE VERTICAL CONTROL JOINTS SPACED NOT MORE THAN 30'-0" ON CENTER. EACH JOINT SHALL BE 34" DEEP AND V-CAMFERRED ON BOTH SIDES.
  - PIPE SLEEVES OVER 1 1/2" IN DIAMETER WHICH PASS THROUGH CONCRETE WALLS OR SLABS SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE. ALL OTHER SLEEVES SHALL BE 18 GAUGE GALVANIZED SHEET METAL. SLEEVES SHALL BE ONE SIZE LARGER THAN OUTSIDE DIAMETER OF PIPE PASSING THROUGH SLEEVE. VERIFY SIZE AND NUMBER WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS. SEE TYPICAL FOUNDATION DETAILS.
  - NO ALUMINUM CONDUITS, SLEEVES, EMBEDS, ETC. SHALL BE PLACED IN CONCRETE.
  - HORIZONTAL WALL REINFORCEMENT SHALL BE MADE CONTINUOUS AT ALL CORNERS OR CORNER BARS PROVIDED. SEE TYPICAL FOUNDATION DETAILS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DIMENSIONS OF CONCRETE REVEALS, NOTCHES, REGLETS, DRIPS, PADS, CURBS, CHAMFER BLOCKOUTS AT DOORWAYS, AND ALL OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
  - SUBMIT CONCRETE DESIGN MIXES TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. SUBMIT HISTORICAL STRENGTH TESTING DATA FOR EACH MIX.
  - SUBMIT STEEL REINFORCEMENT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

SLAB ON GRADE NOTES

- ALL SLAB ON GRADE AREAS SHALL BE PROOF ROLLED. ALL SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR FILL.
- SLAB ON GRADE TO BE CONSTRUCTED ON A MINIMUM OF 6" COMPACTED GRANULAR FILL.
- SLAB ON GRADE SHALL INCLUDE STRUX 90/40 FIBER REINFORCEMENT BY GRACE CONCRETE PRODUCTS (OR APPROVED EQUAL). DOSAGE RATE SHALL BE 3.5 LBS/ CU YD. FIBER MANUFACTURER TO VERIFY DOSAGE RATE PRIOR TO CONSTRUCTION.
- A VAPOR RETARDER SHALL BE PLACED BETWEEN THE SAND BASE AND THE CONCRETE FLOOR, SEE SPECIFICATIONS. DO NOT PLACE VAPOR RETARDER BENEATH POOL DECK SLABS.
- LIMITS OF DROPPED AND DEPRESSED FLOOR AREAS TO BE LOCATED FROM ARCHITECTURAL PLANS.
- PROVIDE SAWCUT CONTROL JOINTS IN EACH DIRECTION FOR SLAB ON GRADE. CONTRACTOR SHALL INSTALL CONTROL JOINTS AS SOON AS CONCRETE WILL SUPPORT THE WEIGHT OF THE SAW AND OPERATOR WITHOUT DISTURBING THE FINISH.
- MAXIMUM SLAB ON GRADE CONTROL JOINT SPACING = 12'-6" +/- 2'-0".

WOOD SHEATHING NOTES

- FASTENERS SHALL NOT BE LOCATED LESS THAN 3/8" IN FROM THE EDGE OF THE PANEL.
- FASTENERS SHALL BE DRIVEN FLUSH WITH SURFACE OF SHEATHING.
- FASTENERS SHALL BE OF SUFFICIENT LENGTH TO ENSURE PENETRATION INTO FRAMING MEMBERS BY AT LEAST 1 1/2".
- FRAMING MEMBERS SHALL BE A MINIMUM 2" NOMINAL IN THE DIMENSION TO WHICH THE STRUCTURAL PANEL IS ATTACHED.
- PANEL EDGES SHALL BUTT ALONG THE CENTERLINE OF FRAMING MEMBERS.
- EACH PANEL SHALL BE IDENTIFIED WITH THE GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION.

FLOOR & ROOF SHEATHING

- ROOF SHEATHING SHALL BE 3/4" APA EXPOSURE I, RATED SHEATHING WITH 48/24 SPAN RATING. (UNO)
- FLOOR SHEATHING SHALL BE 3/4" T4G APA EXPOSURE I, RATED SHEATHING WITH 48/24 SPAN RATING. (UNO)
- FLOOR/ROOF PANEL SHEATHING SHALL BE CONTINUOUS OVER 2 OR MORE SUPPORTS (MINIMUM).
- FLOOR/ROOF PANEL SHEATHING SHALL BE ORIENTED WITH THE STRENGTH AXIS PERPENDICULAR TO THE SUPPORTS.
- ROOF SHEATHING SHALL USE PANEL EDGE CLIPS (ONE MIDWAY BETWEEN EACH SUPPORT) OR LUMBER BLOCKING AT ALL UNSUPPORTED EDGES.
- REFER TO PLAN FOR AREAS WHERE DIAPHRAGM BLOCKING IS REQUIRED.
- SEE S601 FOR ADDITIONAL REQUIREMENTS.

SHEAR WALL SHEATHING

- USE APA EXPOSURE I, RATED SHEATHING WITH 32/16 SPAN RATING (UNO) SEE SCHEDULE FOR THICKNESS.
- BACK ALL SHEATHING PANEL EDGES WITH NOMINAL 2x BLOCKING, OR LARGER. NOMINAL 3x BLOCKING, OR LARGER IS REQUIRED WHEN:
  - EDGE NAILING SPACING OF 2" OR LESS IS SPECIFIED OR
  - 10d COMMON NAILS WITH AN EDGE NAILING SPACING OF 3" OR LESS IS SPECIFIED
- SHEAR WALL STUD FRAMING SHALL MATCH WOOD STUD WALL SCHEDULE, EXCEPT THAT NOMINAL 3x STUD FRAMING (OR LARGER) OR DOUBLE 2x STUD FRAMING IS REQUIRED AT ALL PANEL EDGES WHEN:
  - EDGE NAILING SPACING OF 2" OR LESS IS SPECIFIED OR
  - 10d COMMON NAILS WITH AN EDGE NAILING SPACING OF 3" OR LESS IS SPECIFIED
- SEE SHEAR WALL SCHEDULE FOR PANEL EDGE NAILING FASTENER SIZE AND SPACING. INTERMEDIATE SUPPORTS SHALL BE NAILED AT 12" OC WITH SAME NAILS USED FOR EDGE FASTENING.
- WHEN SHEATHING IS APPLIED ON BOTH FACES OF A SHEAR WALL AND SHEATHING EDGE NAILING SPACING IS LESS THAN 6" OC, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS.
- SHEATHING SHALL BE APPLIED DIRECTLY TO FRAMING MEMBERS. DO NOT FASTEN SHEATHING TO RESILIENT CHANNELS OR GYPSUM WALL BOARD.
- SHEAR WALL ANCHOR BOLTS TO BE SNUG TIGHT PLUS 1/2 TURN.
- BOLT HOLES THROUGH ANCHOR POSTS MAY BE 1/16" MAX LARGER THAN BOLTS.
- SHEATHING SHALL BE ATTACHED USING COMMON NAILS OR GALVANIZED BOX NAILS.

WOOD TRUSS NOTES

- THE DESIGN, MANUFACTURING AND INSTALLATION OF ALL TRUSSES SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NDS AND TPI CODES.
- TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER TO RESIST ALL APPLICABLE LOADS SHOWN ON DRAWINGS.
- TRUSS MANUFACTURER SHALL REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR OTHER ITEMS OR APPENDAGES THAT MAY EFFECT THE TRUSS LOADING. ANY SUCH ITEMS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- TRUSS SUPPLIER TO PROVIDE SHOP DRAWINGS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS PROVIDED BY THE TRUSS MANUFACTURER FOR REVIEW PRIOR TO CONSTRUCTION. WOOD TRUSS SHOP DRAWINGS AND CALCULATIONS SHALL BE STAMPED BY THE TRUSS ENGINEER.
- PERMANENT BRACING NOT SHOWN ON PLANS, WHICH IS REQUIRED FOR STRENGTH AND STABILITY OF TRUSS MEMBERS, SHALL BE DESIGNED AND PROVIDED BY TRUSS SUPPLIER.
- TEMPORARY BRACING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. PROVIDE IN ACCORDANCE WITH TPI GUIDELINES.
- ROOF TRUSS DESIGN SHALL TAKE INTO ACCOUNT UNBALANCED SNOW LOADS, SNOW DRIFT LOADS, SLIDING SNOW, OR ANY OTHER LOAD ROOF LOADING CONDITION REQUIRED BY ASCE 7.

WOOD I-JOIST NOTES

- ALL I-JOISTS SHALL BE DESIGNED BY THE I-JOIST SUPPLIER.
- THE DESIGN, MANUFACTURING AND INSTALLATION OF ALL I-JOISTS SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NDS CODE.
- I-JOIST MANUFACTURER SHALL REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR OTHER ITEMS OR APPENDAGES THAT MAY EFFECT THE JOIST LOADING. ANY SUCH ITEMS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS PROVIDED BY THE I-JOIST MANUFACTURER FOR REVIEW PRIOR TO CONSTRUCTION. I-JOIST SHOP DRAWINGS AND CALCULATIONS SHALL BE STAMPED BY THE I-JOIST ENGINEER.

| SHEET LIST   |                                             |                       |                              |
|--------------|---------------------------------------------|-----------------------|------------------------------|
| SHEET NUMBER | SHEET NAME                                  | CURRENT REVISION DATE | CURRENT REVISION DESCRIPTION |
| 5001         | STRUCTURAL NOTES                            |                       |                              |
| 5101         | FOUNDATION # 1 ST FLR PLAN                  |                       |                              |
| 5102         | 2ND FLR PLAN # ROOF FRAMING PLAN            |                       |                              |
| 5301         | FOUNDATION DETAILS # SCHEDULES              |                       |                              |
| 5302         | FOUNDATION DETAILS                          |                       |                              |
| 5601         | WOOD LATERAL SHEAR WALL DETAILS # SCHEDULES |                       |                              |
| 5602         | WOOD GRAVITY WALL & HDR DETAILS # SCHEDULES |                       |                              |
| 5603         | WOOD FLOOR FRAMING DETAILS                  |                       |                              |
| 5604         | WOOD ROOF FRAMING DETAILS                   |                       |                              |

DESIGN LOADS

- DESIGN CODE DATA
  - WISCONSIN UNIFORM DWELLING CODEASCE 7-10; MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. ASCE 360-10; SPECIFICATION FOR STRUCTURAL STEEL BUILDINGSACI 318-14; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETEACI 530-13; BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURESANSI/AWC NDS-2015; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTIONAWC SDPWS-2015; SPECIAL DESIGN PROVISION FOR WIND AND SEISMIC
- DEAD LOADS:

|              |        |
|--------------|--------|
| ROOF         | 20 PSF |
| TOP CHORD    | 10 PSF |
| BOTTOM CHORD | 10 PSF |
| FLOORS       | 25 PSF |
| TOP CHORD    | 15 PSF |
| BOTTOM CHORD | 10 PSF |
- FLOOR LIVE LOADS:

|             |        |
|-------------|--------|
| GUEST ROOMS | 40 PSF |
|-------------|--------|
- SNOW LOADS:

|        |        |
|--------|--------|
| ZONE I | 40 PSF |
|--------|--------|
- WIND DESIGN CRITERIA
  - WIND SPEED = 90 MPH
  - EXPOSURE = C
  - ENCLOSURE CLASSIFICATION = ENCLOSED
  - K<sub>zt</sub> = 0.85
  - I = 1.0
  - K<sub>q</sub> = 1.0
  - BASE VELOCITY PRESSURE, Q<sub>e</sub> = 19.1 PSF
- MAXIMUM ALLOWABLE DEFLECTION CRITERIA:

|                          |                                   |
|--------------------------|-----------------------------------|
| ROOF FRAMING:            | 1/360 LIVE LOAD; 1/240 TOTAL LOAD |
| WOOD FLOOR FRAMING:      | 1/480 LIVE LOAD; 1/360 TOTAL LOAD |
| ALL OTHER FLOOR FRAMING: | 1/360 LIVE LOAD; 1/240 TOTAL LOAD |
| EXTERIOR WALLS:          | 1/240 WIND LOAD                   |

WOOD FRAMING NOTES

- WOOD MATERIAL SPECIFICATIONS ARE MINIMUM DESIGN VALUES GIVEN IN POUNDS PER SQUARE INCH (PSI), SEE TABLE BELOW.
- SILLS AND MEMBERS EXPOSED DIRECTLY TO MOISTURE OR IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE TREATED PER AWPA U1 AND AWPA M4. SOLE PLATES PER USE CATEGORY 2.
- PLYWOOD SHALL CONFORM TO THE LATEST EDITION OF U.S. PRODUCT STANDARD PS-1. INSTALL IN STAGGERED PATTERN.
- ALL BOLTS INTO WOOD MEMBERS SHALL CONFORM TO ASTM A307 GRADE A UNO.
- BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" MAXIMUM OVERSIZE. HOLES FOR SCREWS AND LAG SCREWS SHALL BE FIRST BORED FOR THE SAME DEPTH AND DIAMETER OF THE SHANK, THEN THE REMAINDER OCCUPIED BY THE THREADED PORTION SHALL BE BORED NOT LARGER IN DIAMETER THAN THE ROOT OF THE THREAD. ALL SCREWS SHALL BE SCREWED, NOT DRIVEN INTO PLACE.
- PROVIDE STANDARD CUT WASHERS UNDER HEADS AND NUTS OF ALL BOLTS (INCLUDING ANCHOR BOLTS) AND HEADS OF LAG SCREWS. SEE TYPICAL SHEAR WALL ANCHORAGE FOR ADDITIONAL PLATE WASHER REQUIREMENTS AT SHEAR WALL LOCATIONS.
- PROVIDE SOLID BLOCKING FOR ALL SAWN JOISTS AT 8'-0" OC MAX.
- MEMBERS BEARING ON CONCRETE OR MASONRY WALLS SHALL HAVE A 1/2" AIR SPACE AROUND SIDES AND END OF MEMBER.
- ALL COLUMNS SHOWN ON STRUCTURAL DRAWINGS SHALL HAVE CONTINUOUS LOAD PATH TO FOUNDATION UNO.
- SET ALL FRAMING MEMBERS WITH CROWN UP.
- ALL FASTENERS (BOLTS, LAG SCREWS, SCREWS AND NAILS) EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE TREATED OR FIRE RETARDANT TREATED LUMBER SHALL BE HOT DIP GALVANIZED OR DOCUMENTATION MUST BE PROVIDED SHOWING THE PROPRIETARY COATING IS COMPATIBLE WITH THE TREATED LUMBER.
- ALL WOOD CONNECTORS SHALL BE BY SIMPSON STRONG-TIE OR APPROVED EQUAL. ALL CONNECTORS USED TO FASTEN FRAMING MEMBERS NOT SPECIFICALLY DESIGNED BY THE STRUCTURAL ENGINEER OF RECORD SHALL BE SIZED BY THE SUPPLIER.
- ALL SIMPSON CONNECTORS SHALL HAVE A ZMAX (G185) OR HOT-DIP GALVANIZED (HDG) COATING.
- ALL WOOD STUD WALLS SHALL BE FASTENED TO FOUNDATION PER DETAIL 211 XS301 SPACING OF ANCHORS MAY VARY AT SHEAR WALLS. SEE SHEAR WALL SCHEDULE.

| WOOD MATERIAL SPECIFICATIONS  |                      |       |       |     |     |       |           |
|-------------------------------|----------------------|-------|-------|-----|-----|-------|-----------|
| SPECIES TYPE                  | USAG                 | Fb    | Ft    | Fv  | FcL | FcH   | E         |
| SPRUCE-PINE-FIR (SPF) NO2     | 2x6 & SMALLER UNO    | 875   | 450   | 135 | 425 | 1,150 | 1,400,000 |
| HEM FIR (HF) NO2              | 2x8 & LARGER UNO     | 850   | 525   | 150 | 405 | 1,300 | 1,300,000 |
| TREATED SP NO.2 DENSE         | SILL PLATES ON CONC. | 1,450 | 775   | 175 | 660 | 1,750 | 1,700,000 |
| LAMINATED VENEER LUMBER (LVL) | WHERE NOTED          | 2,600 | 1,555 | 285 | 750 | 2,510 | 2,000,000 |



RAMAKER

employee-owned

(608) 643-4100 www.ramaker.com

Certification & Seal:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Wisconsin.



JEFFREY H ZANDER  
E-28401  
SAUK CITY, WI



1/19/2021  
Date:

|             |                         |           |
|-------------|-------------------------|-----------|
| REV         |                         | DATE      |
| DATE ISSUED |                         | 1/19/2021 |
| ISSUE PHASE | ISSUED FOR CONSTRUCTION |           |

PROJECT TITLE

SAND VALLEY WILSON RESIDENCE

PROJECT OWNER

BOOTH HANSEN

PROJECT LOCATION

NEKOOSA, WI

SHEET TITLE

STRUCTURAL NOTES

PROJECT NUMBER

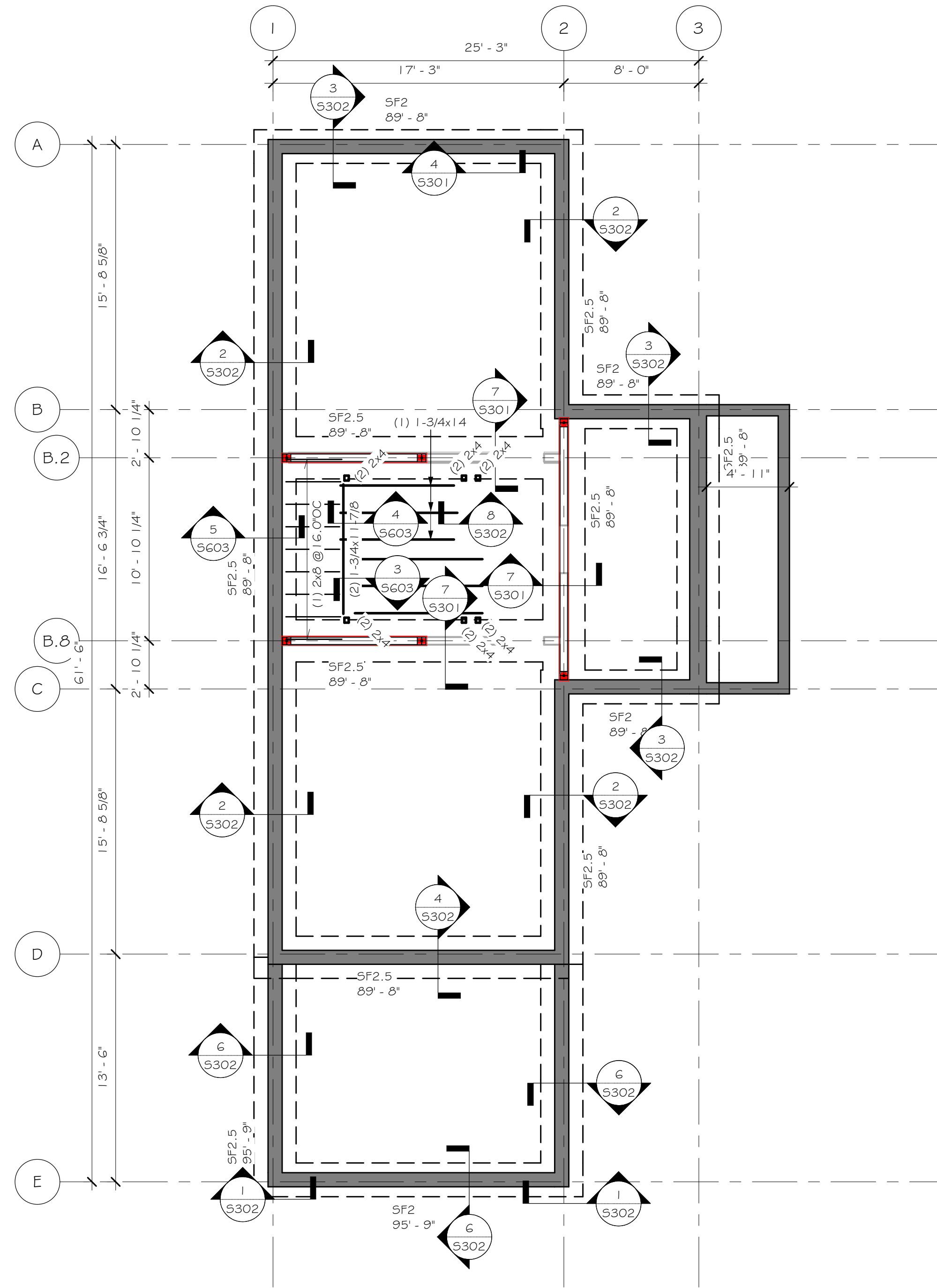
53146

SHEET NUMBER

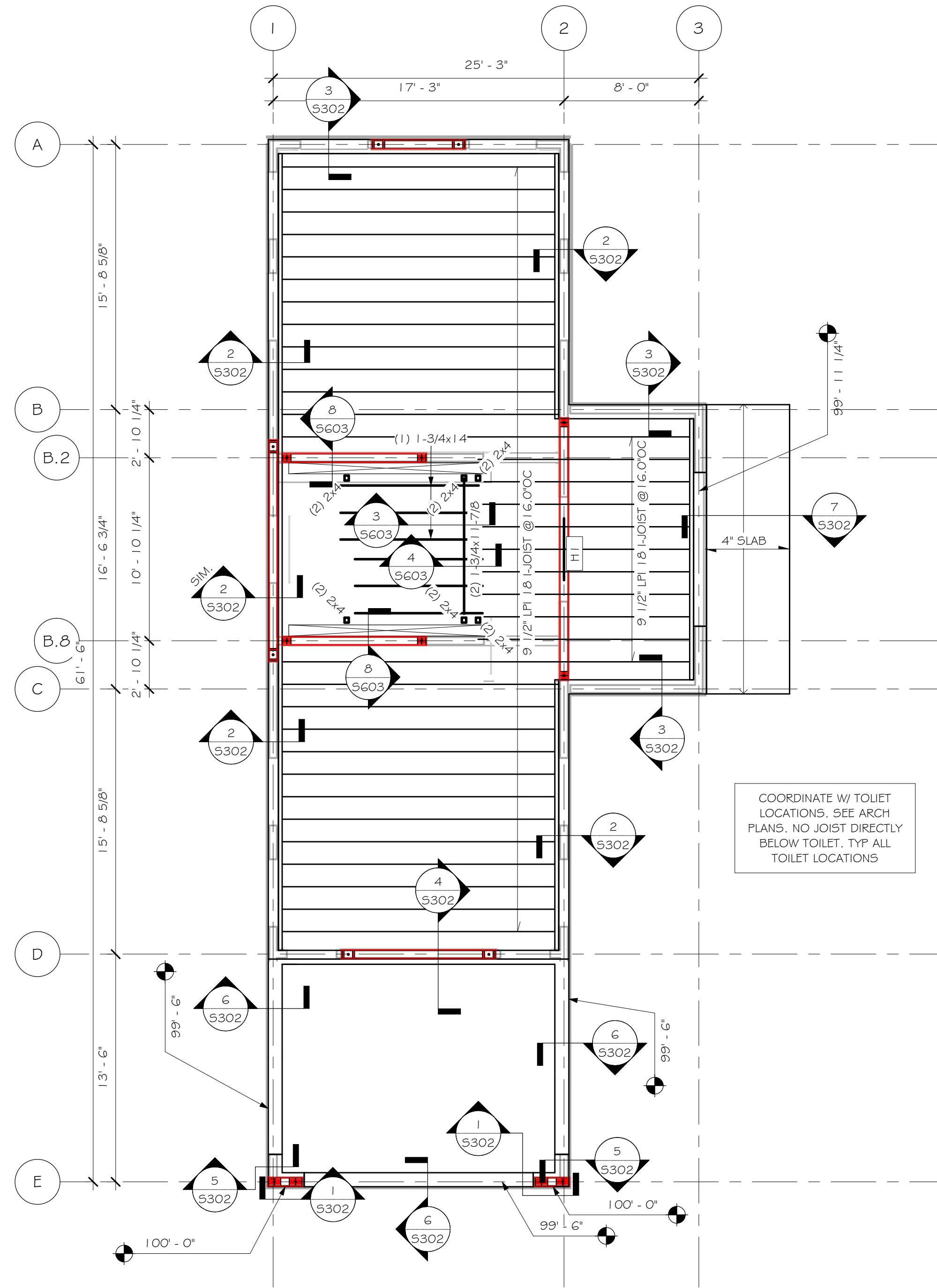
5001

This document contains confidential or proprietary information of Ramaker \* Associates, Inc.. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed without the written consent of Ramaker \* Associates, Inc..



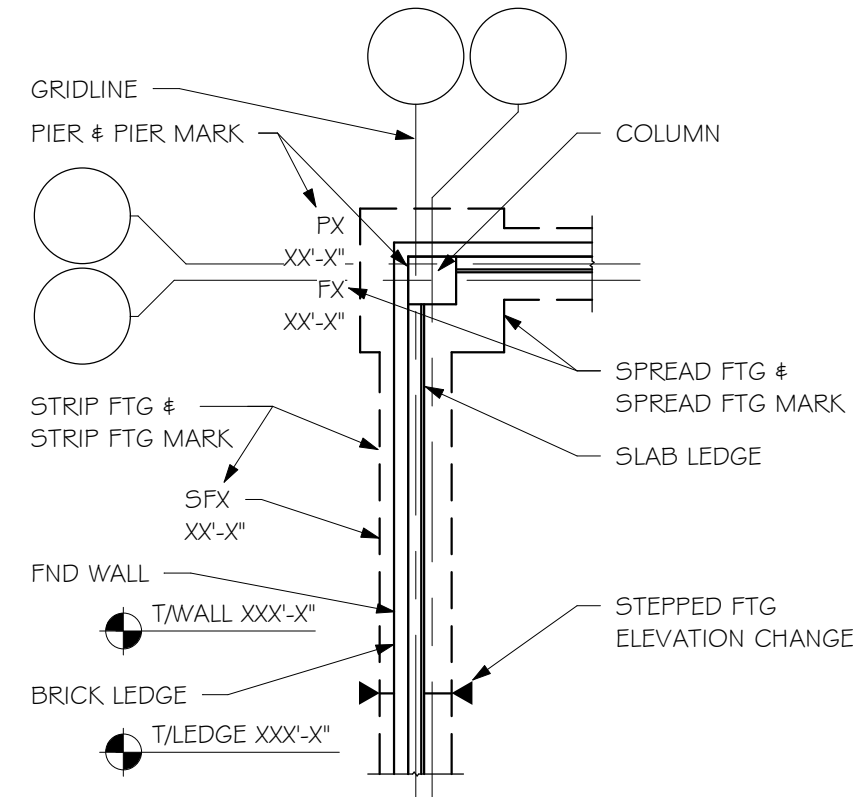


1 FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"



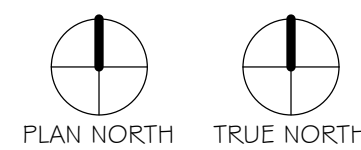
2 FIRST FLOOR FRAMING PLAN  
SCALE: 3/16" = 1'-0"

FOUNDATION PLAN LEGEND



FOUNDATION PLAN NOTES

1. VERIFY ALL DIMENSIONS W/ ARCH DRAWINGS
2. SLAB ON GRADE SHALL BE 4" NORMAL WEIGHT CONCRETE W/ FIBER MESH, SEE 5001
3. TOP OF SLAB ELEVATION 90'-0" UNO
4. TOP OF FOUNDATION WALL ELEVATION 99'-9" UNO
5. TOP OF FOOTING ELEVATION 89'-8" UNO
6. SEE 5001 FOR GENERAL STRUCTURAL NOTES & ABBREVIATIONS
7. SEE S301 & S302 FOR TYPICAL FOUNDATION DETAILS & SCHEDULES
8. ELEVATION NOTED IN PIERMARK XX'-X" = TOP OF FOOTING OR TOP OF PIER



Certification & Seal:

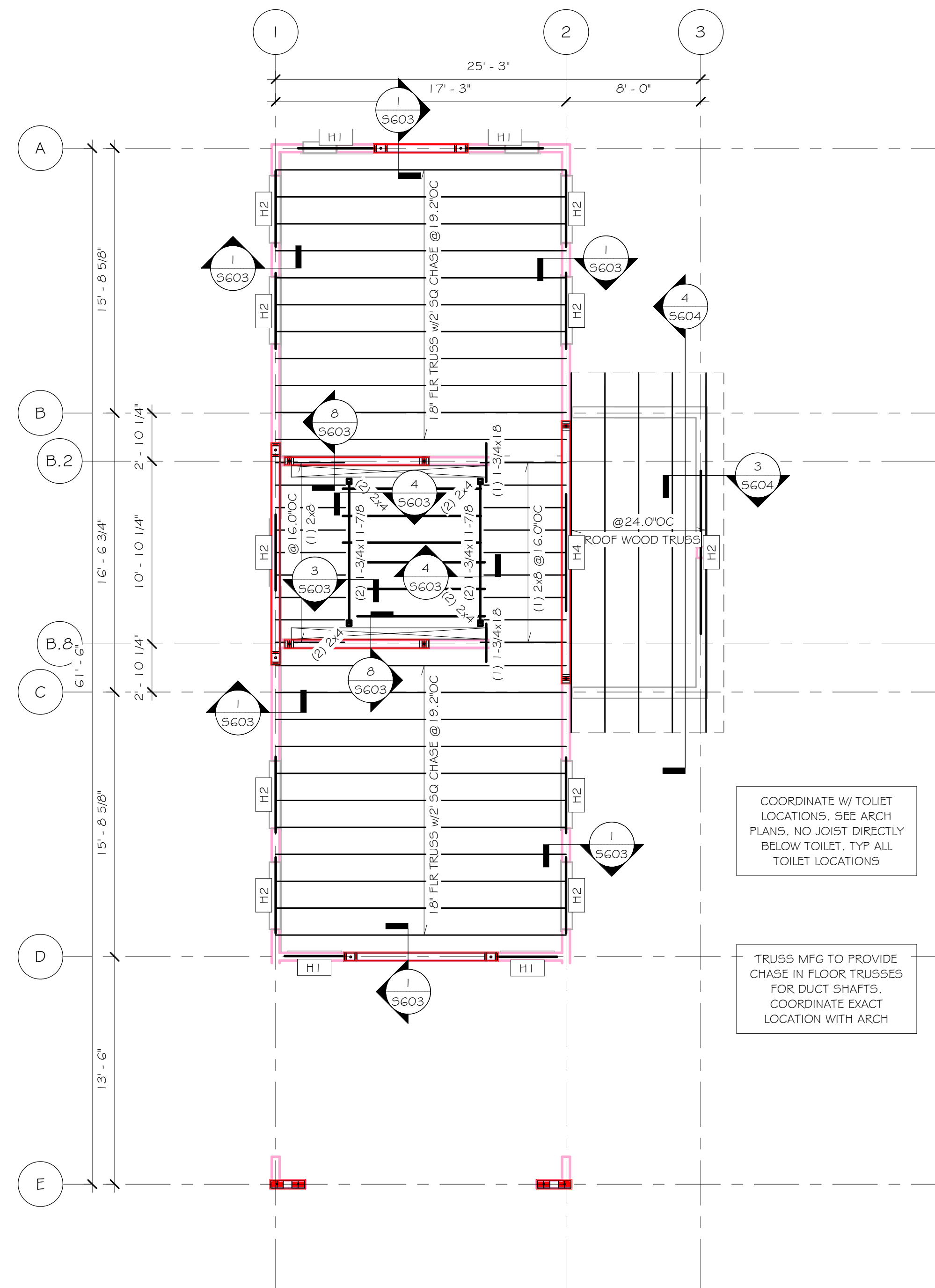
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Wisconsin.



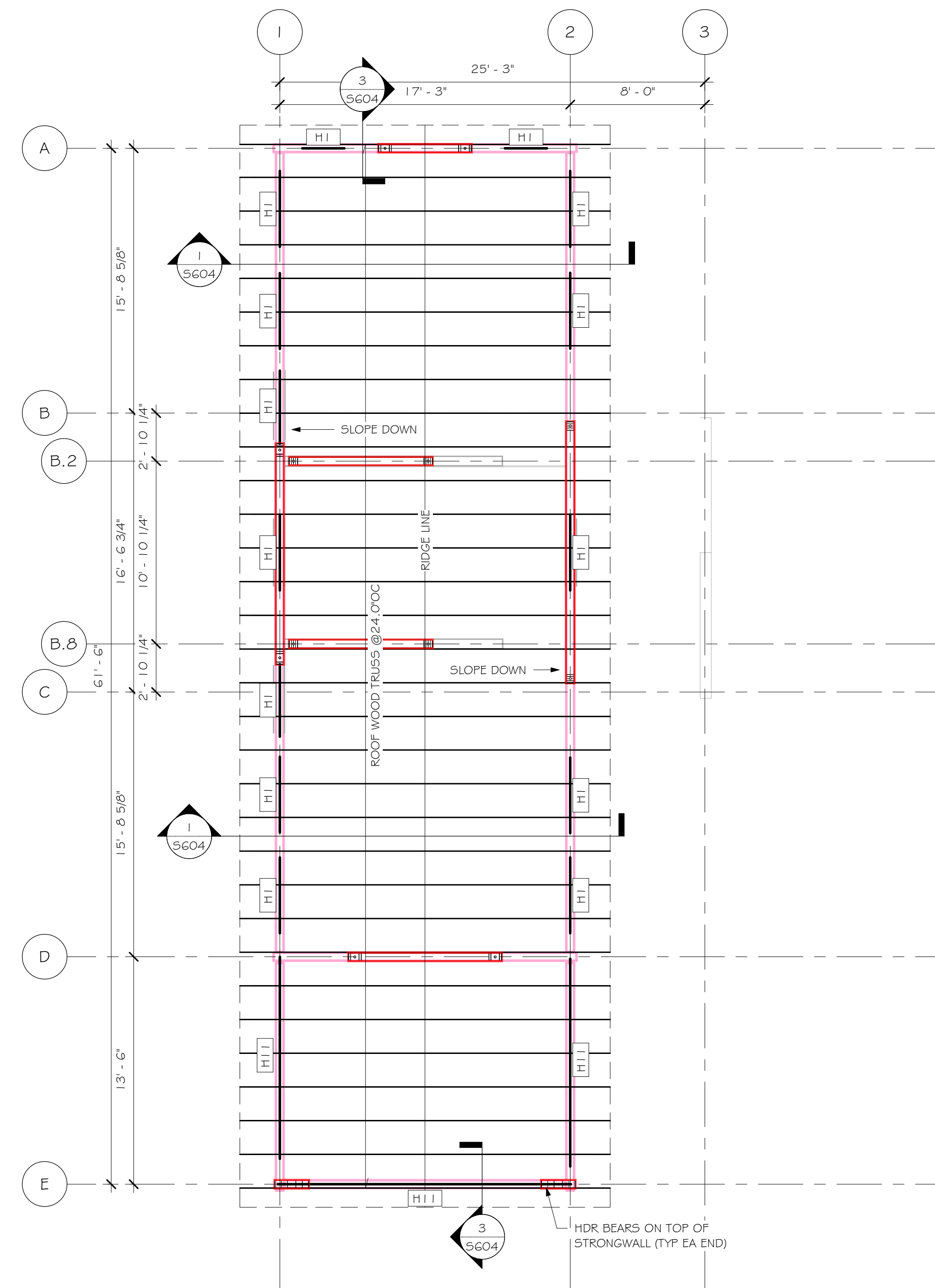
Signature: [Signature] Date: 1/19/2021

| REV              | DATE                         |
|------------------|------------------------------|
| DATE ISSUED      | 1/19/2021                    |
| ISSUE PHASE      | ISSUED FOR CONSTRUCTION      |
| PROJECT TITLE    | SAND VALLEY WILSON RESIDENCE |
| PROJECT OWNER    | BOOTH HANSEN                 |
| PROJECT LOCATION | NEKOOSA, WI                  |
| SHEET TITLE      | FOUNDATION & 1ST FLR PLAN    |
| PROJECT NUMBER   | 53146                        |
| SHEET NUMBER     | 5101                         |

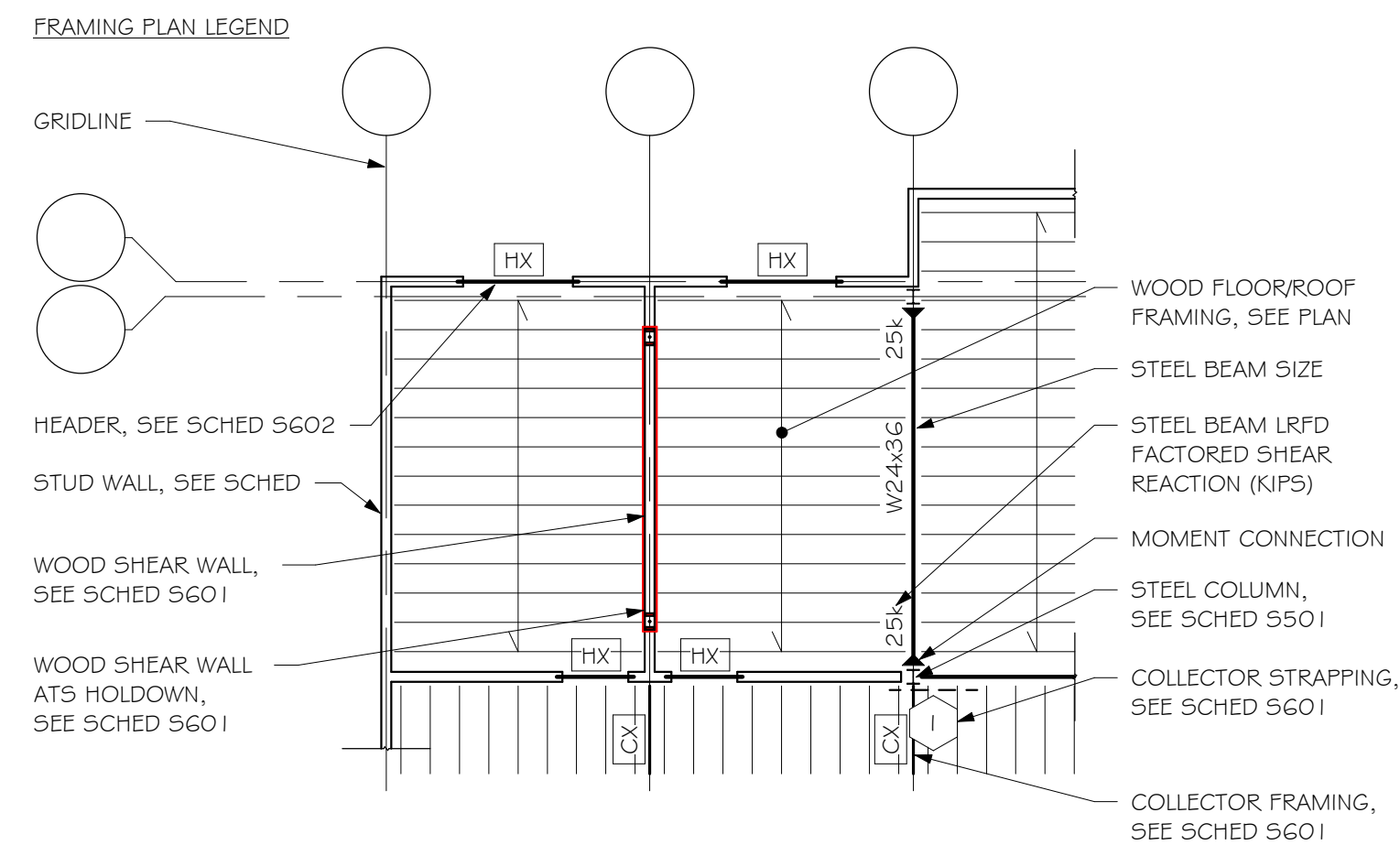




1 SECOND FLOOR FRAMING PLAN  
SCALE: 3/16" = 1'-0"

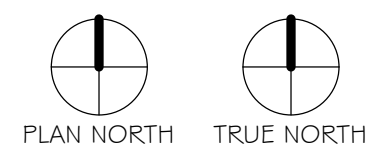


2 ROOF FRAMING PLAN  
SCALE: 3/16" = 1'-0"



- PLAN NOTES
1. VERIFY ALL DIMENSIONS W/ ARCH DRAWINGS
  2. TOP OF FLOOR SLAB OR ROOF DECK ELEVATION = STORY LEVEL AS SHOWN BELOW
  3. SEE STRUCTURAL GENERAL NOTES # S601 FOR SHEATHING REQUIREMENTS & FASTENERS
  4. SEE S001 & S002 FOR GENERAL STRUCTURAL NOTES & ABBREVIATIONS
  5. SEE S301 FOR TYPICAL FOUNDATION DETAILS & SCHEDULES

| STORY LEVEL ELEVATIONS |                |
|------------------------|----------------|
| STORY LEVEL            | ELEVATION      |
| ROOF PEAK              | 130' - 0"      |
| ROOF                   | 120' - 7 7/8"  |
| SECOND FLOOR           | 111' - 7 3/4"  |
| LOW ROOF BRG           | 109' - 11 1/2" |



**Certification & Seal:**

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Wisconsin.



Signature: [Signature] Date: 11/19/2021

|                |                         |            |
|----------------|-------------------------|------------|
| REV            |                         | DATE       |
| DATE<br>ISSUED |                         | 11/19/2021 |
| ISSUE<br>PHASE | ISSUED FOR CONSTRUCTION |            |

PROJECT TITLE

SAND VALLEY  
WILSON  
RESIDENCE

PROJECT OWNER  
BOOTH HANSEN

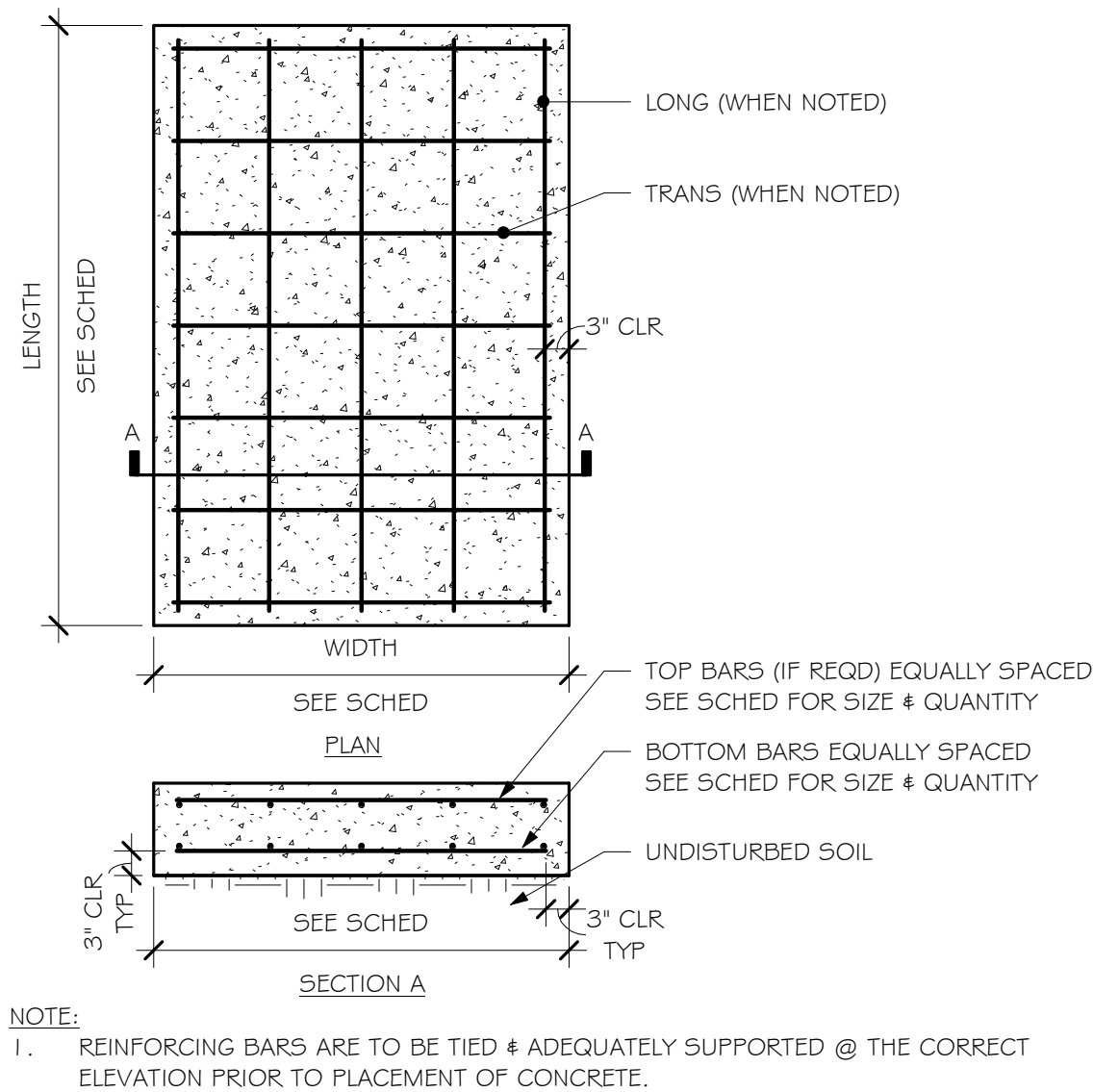
PROJECT LOCATION  
NEKOOSA, WI

SHEET TITLE

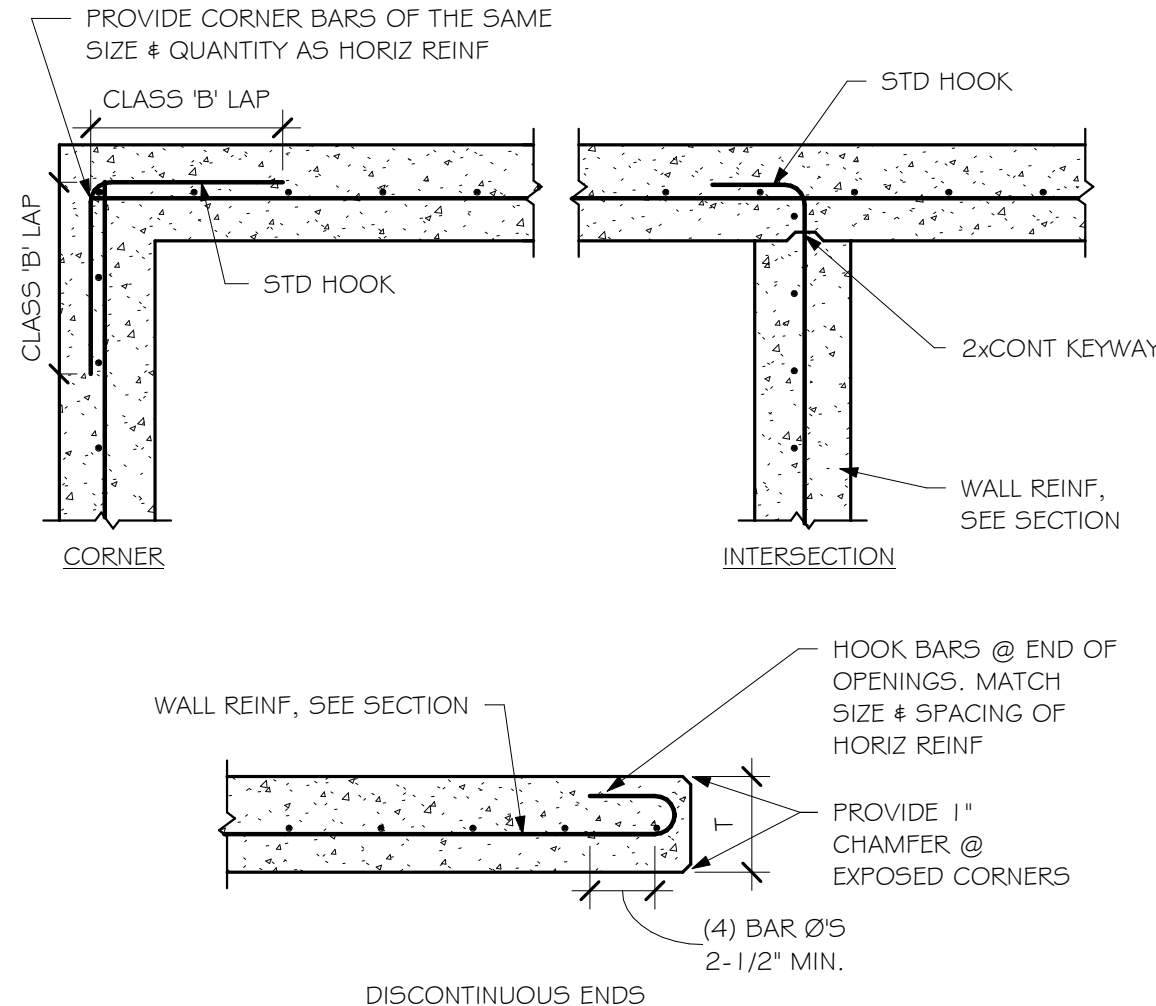
2ND FLR PLAN &  
ROOF FRAMING PLAN

|                   |       |
|-------------------|-------|
| PROJECT<br>NUMBER | 53146 |
| SHEET<br>NUMBER   | 5102  |

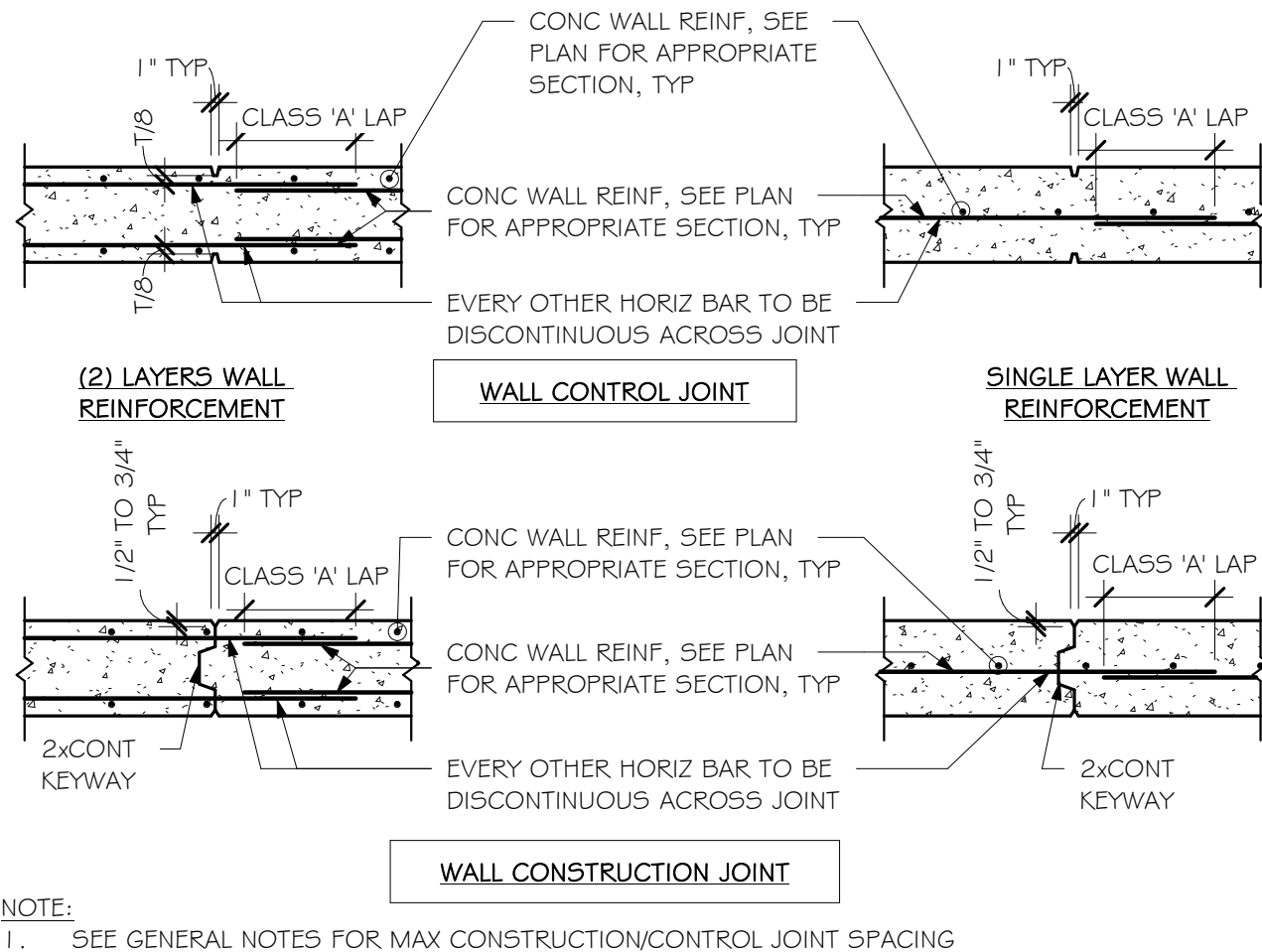




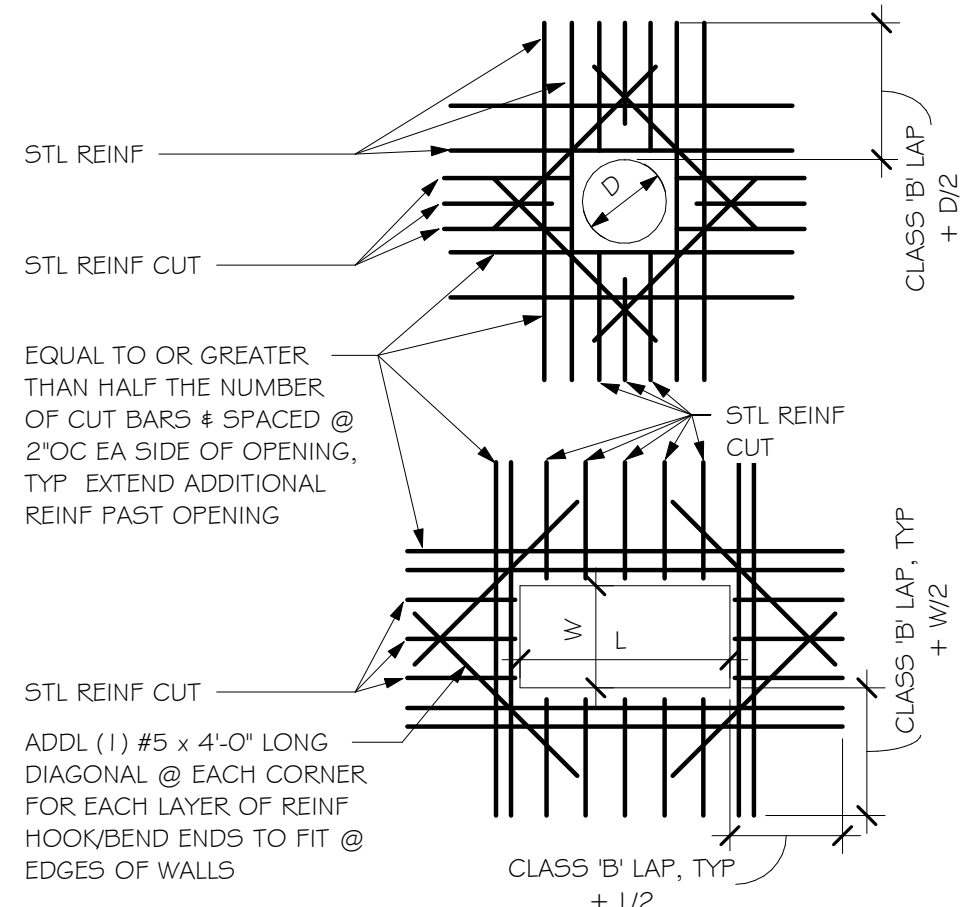
1 TYPICAL SPREAD FOOTING REINFORCING I  
SCALE: 1/2" = 1'-0"



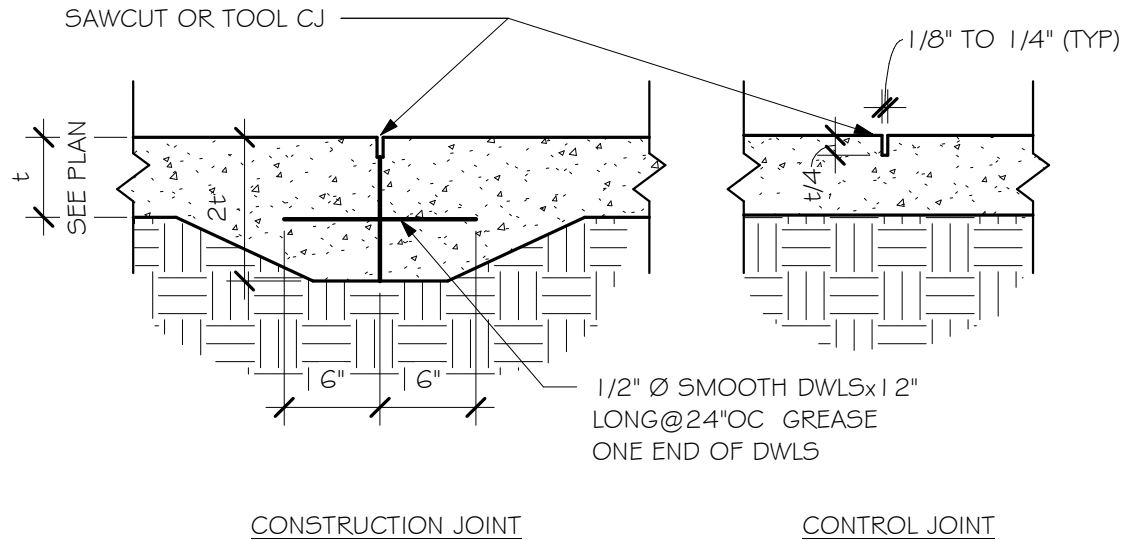
2 TYP SINGLE LAYER CONC WALL INTERSECTIONS I  
SCALE: 1/2" = 1'-0"



3 TYPICAL CONCRETE WALL CONSTRUCTION JOINT I  
SCALE: 1/2" = 1'-0"

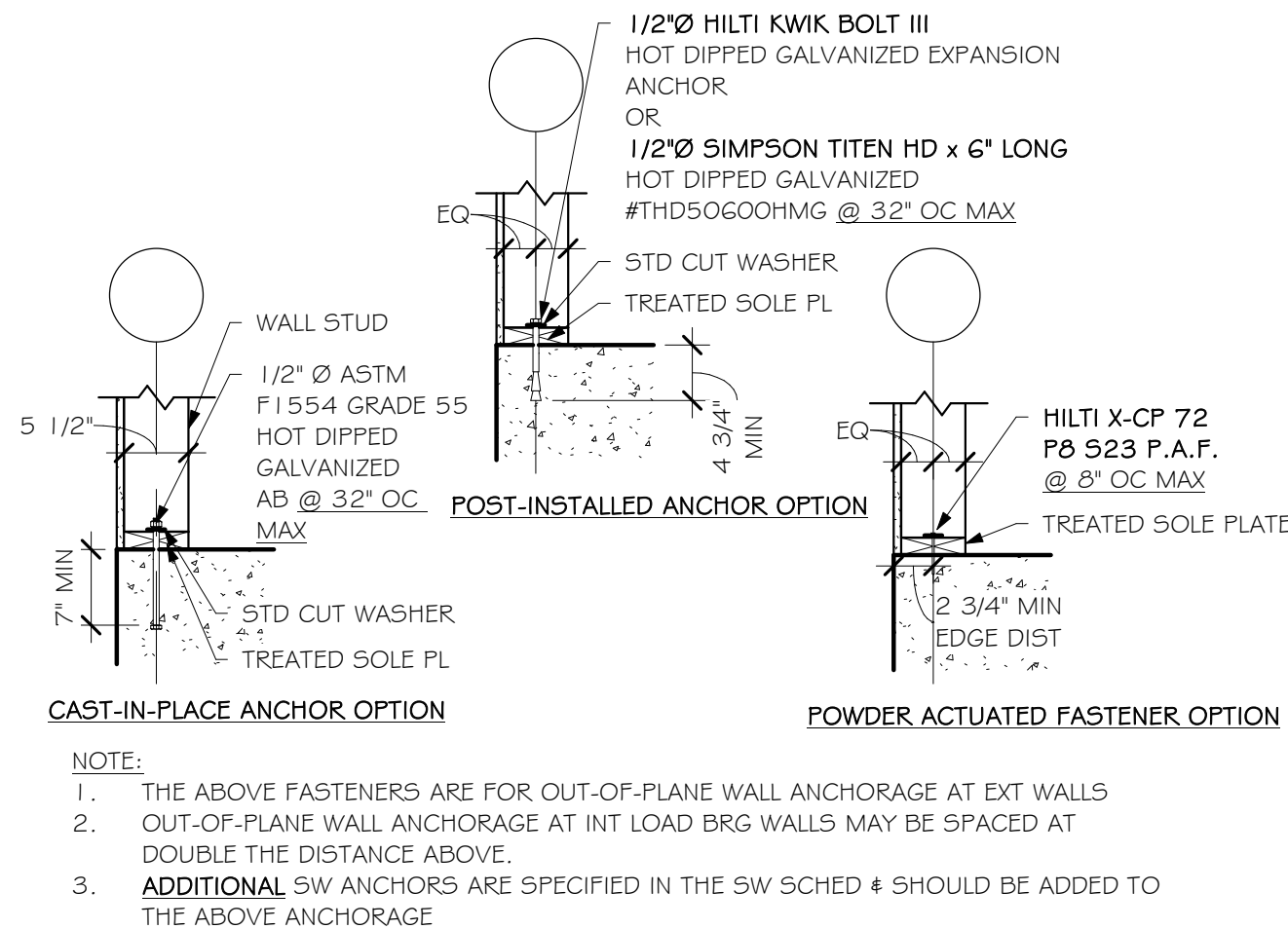


4 TYPICAL WALL OPENING REINFORCING I  
SCALE: 1/2" = 1'-0"

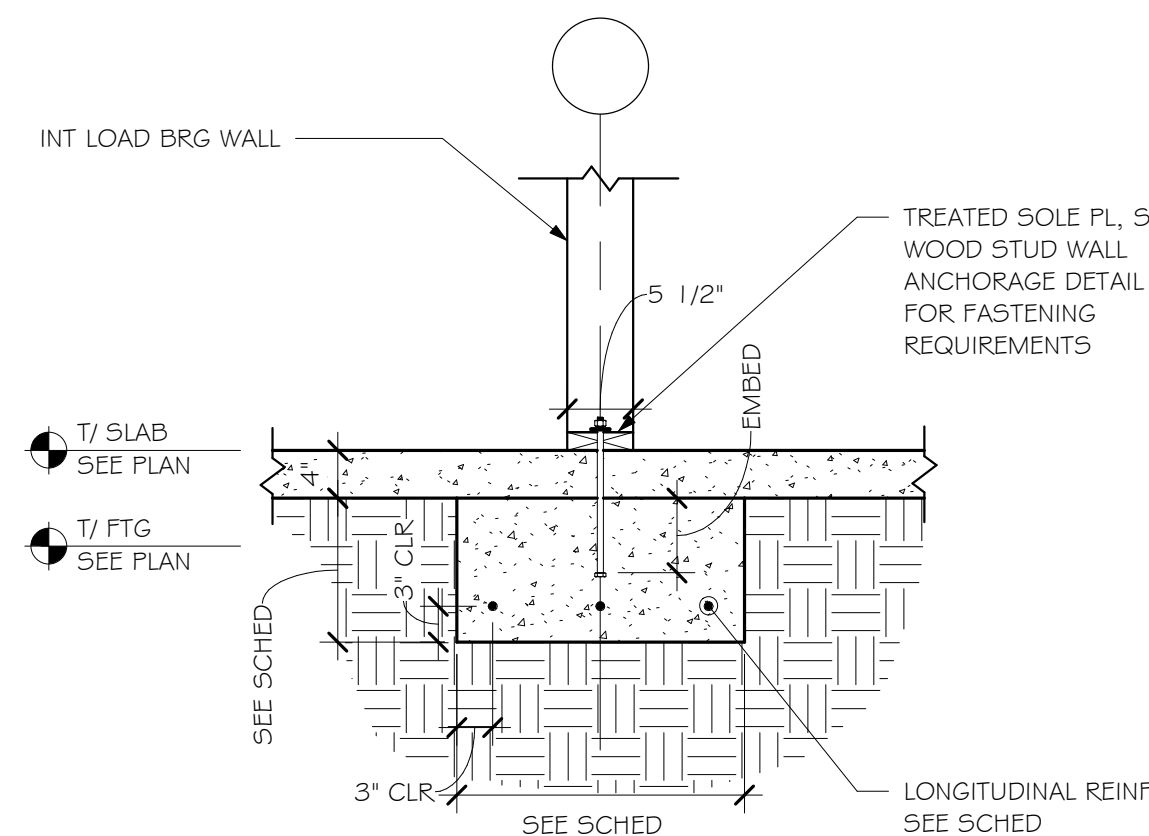


NOTE:  
1. SAW CUT TO BE MADE AS SOON AS POSSIBLE AFTER SLAB HARDENS  
2. SEE SOG NOTES FOR JOINT SPACING & OTHER REQUIREMENTS

5 TYPICAL CONCRETE SLAB  
CONSTRUCTION & CONTROL JOINTS  
SCALE: 1" = 1'-0"



6 TYPICAL WOOD STUD WALL ANCHORAGE I  
SCALE: 3/4" = 1'-0"

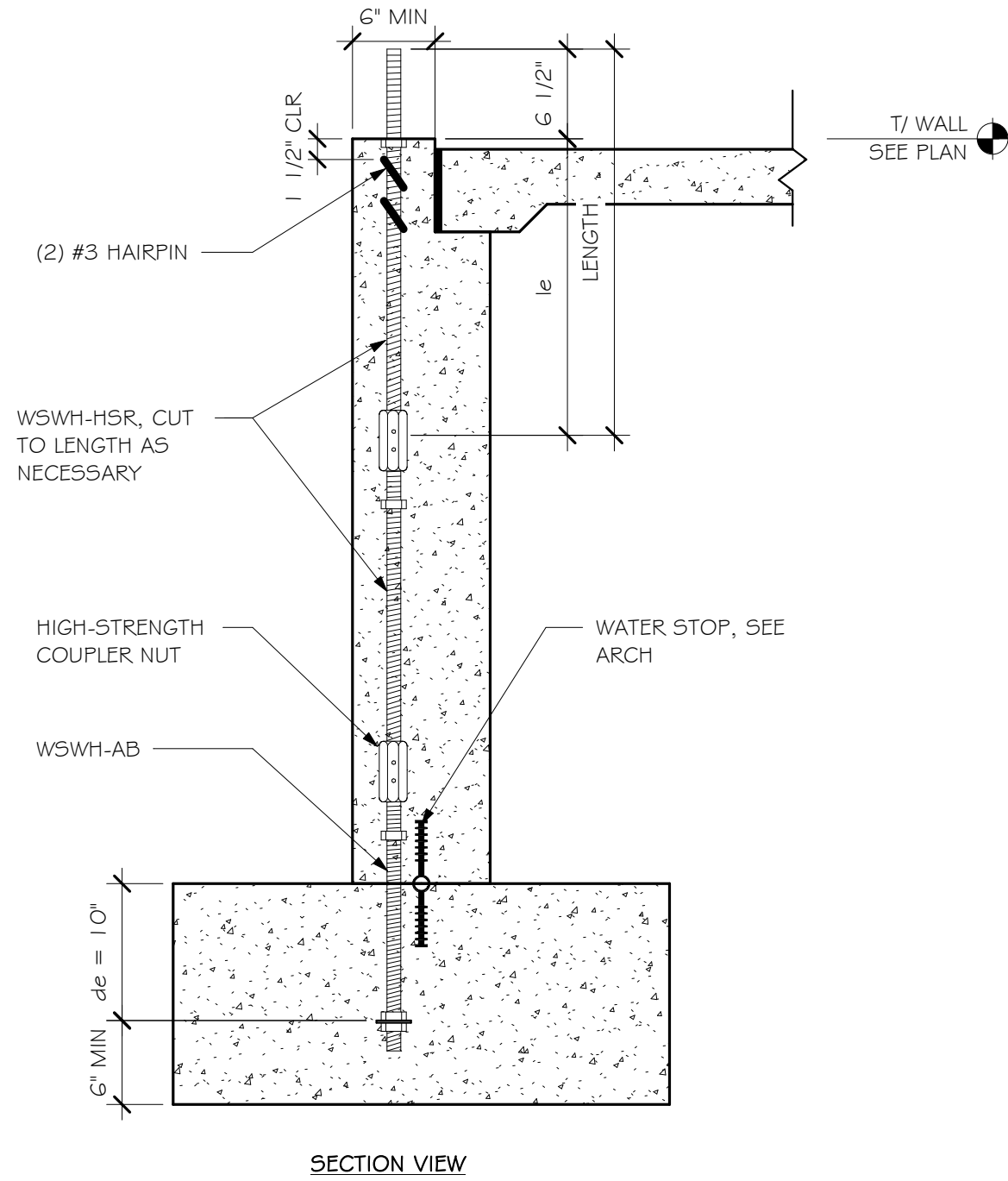
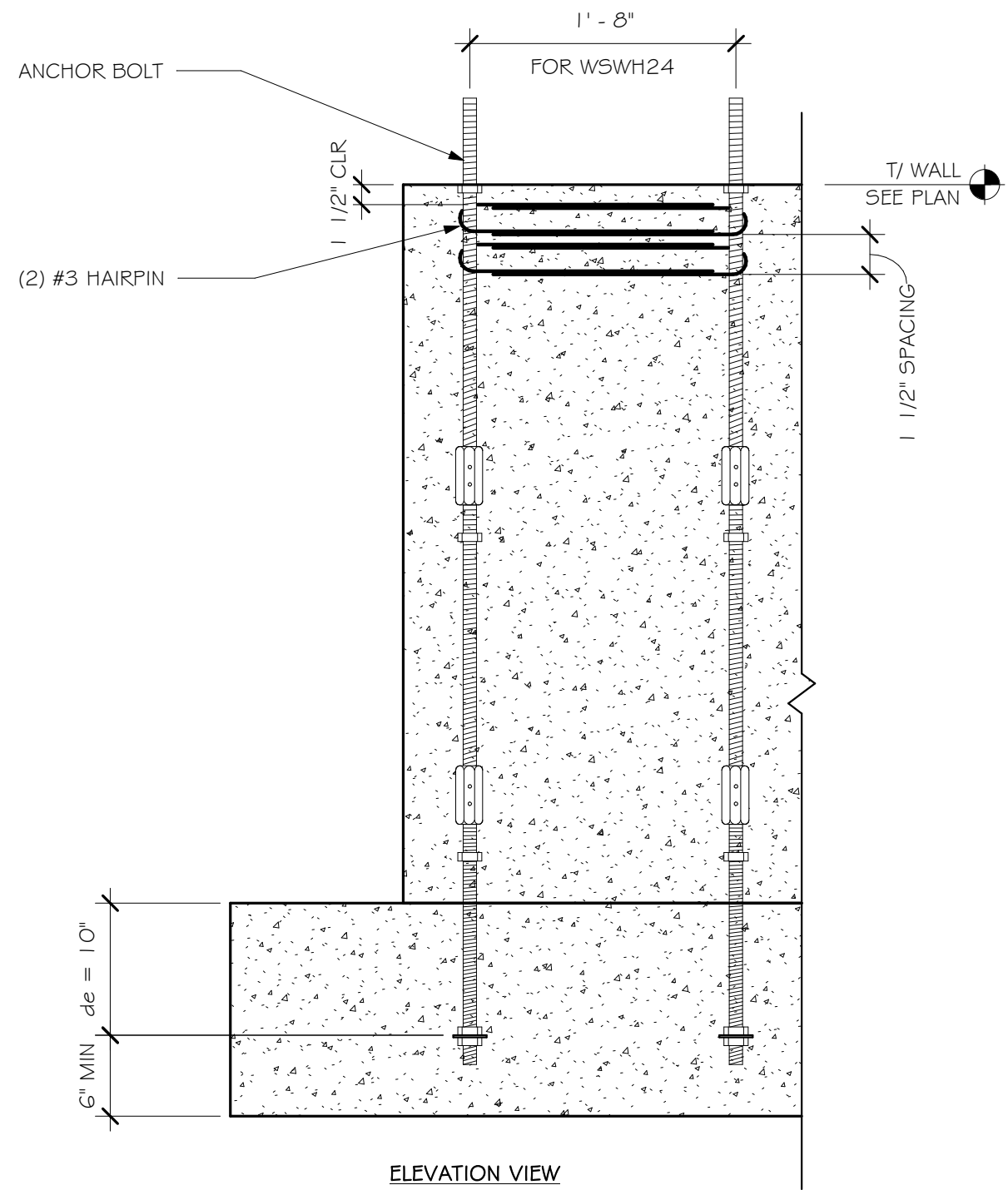


7 TYPICAL STRIP FOOTING @ INTERIOR WALL  
SCALE: 3/4" = 1'-0"

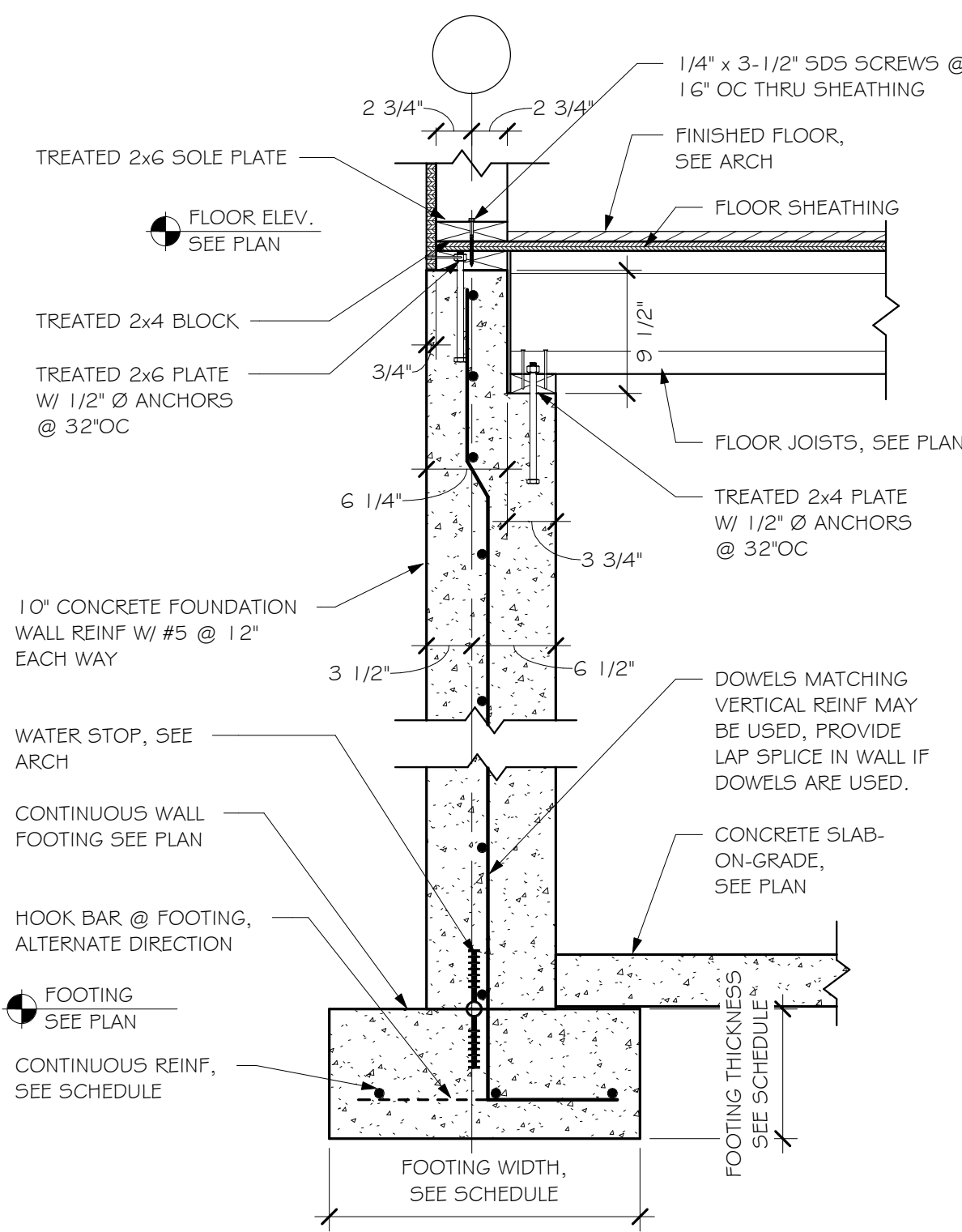
| STRIP FOOTING SCHEDULE |         |           |             |          |          |
|------------------------|---------|-----------|-------------|----------|----------|
| TYPE                   | WIDTH   | THICKNESS | BOTTOM BARS | TOP BARS | COMMENTS |
| SF2                    | 2' - 0" | 1' - 0"   | (3)#5xCONT  |          |          |
| SF2.5                  | 2' - 6" | 1' - 0"   | (3)#5xCONT  |          |          |

| REV              | DATE                           |
|------------------|--------------------------------|
| DATE ISSUED      | 11/19/2021                     |
| ISSUE PHASE      | ISSUED FOR CONSTRUCTION        |
| PROJECT TITLE    | SAND VALLEY WILSON RESIDENCE   |
| PROJECT OWNER    | BOOTH HANSEN                   |
| PROJECT LOCATION | NEKOOSA, WI                    |
| SHEET TITLE      | FOUNDATION DETAILS & SCHEDULES |
| PROJECT NUMBER   | 53146                          |
| SHEET NUMBER     | 5301                           |

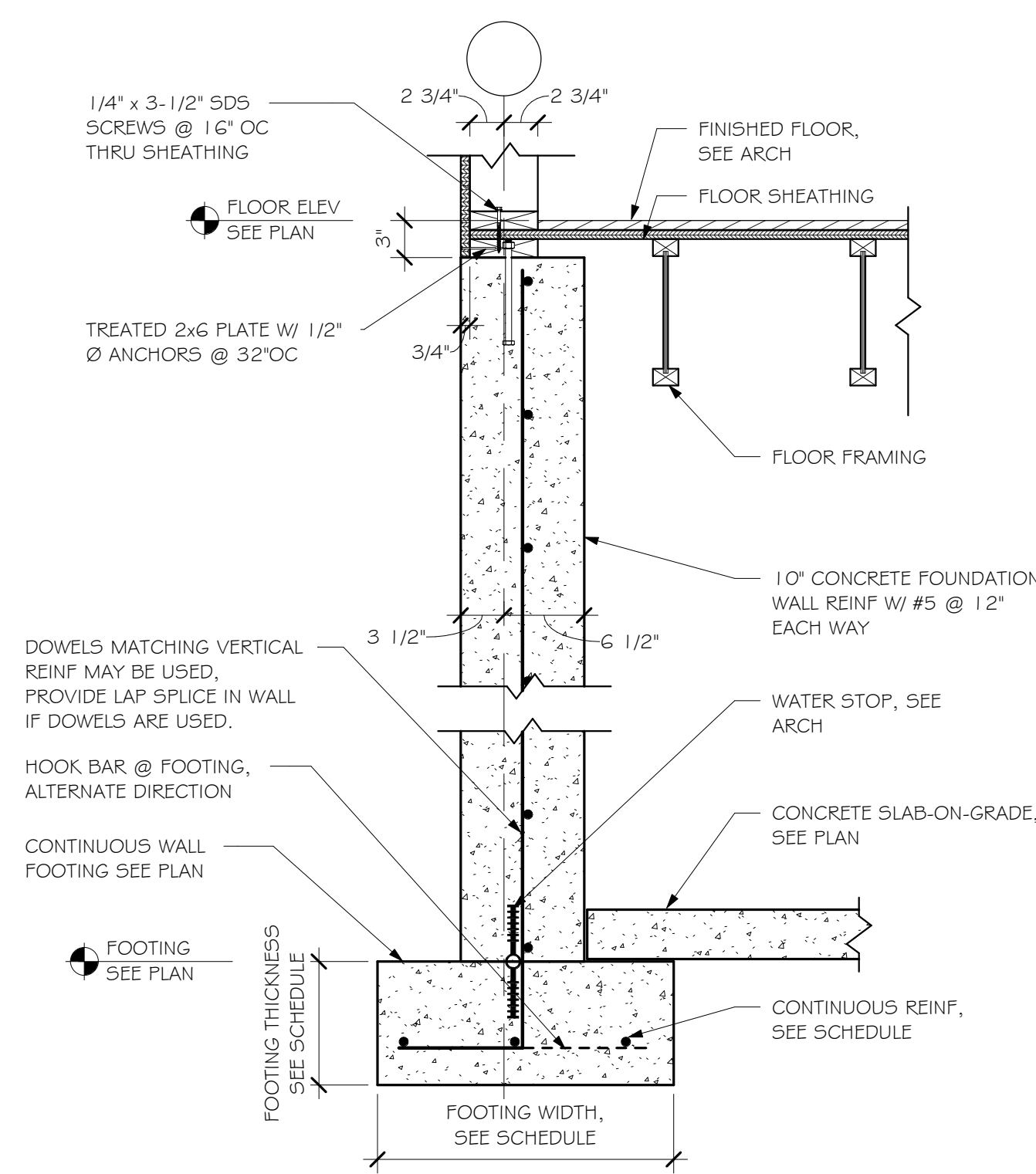




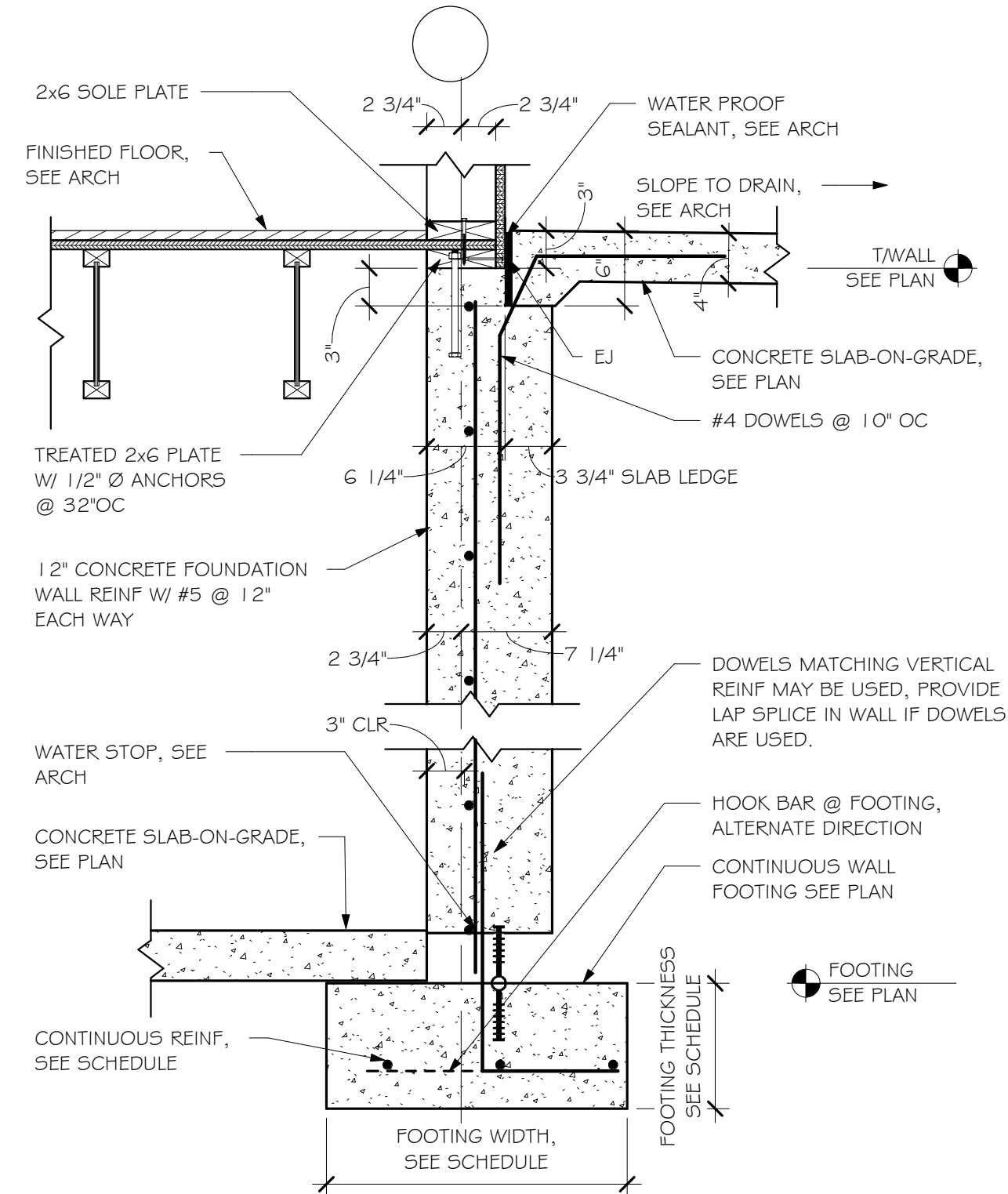
1 WSWH FOUNDATION DETAIL  
SCALE: 1" = 1'-0"



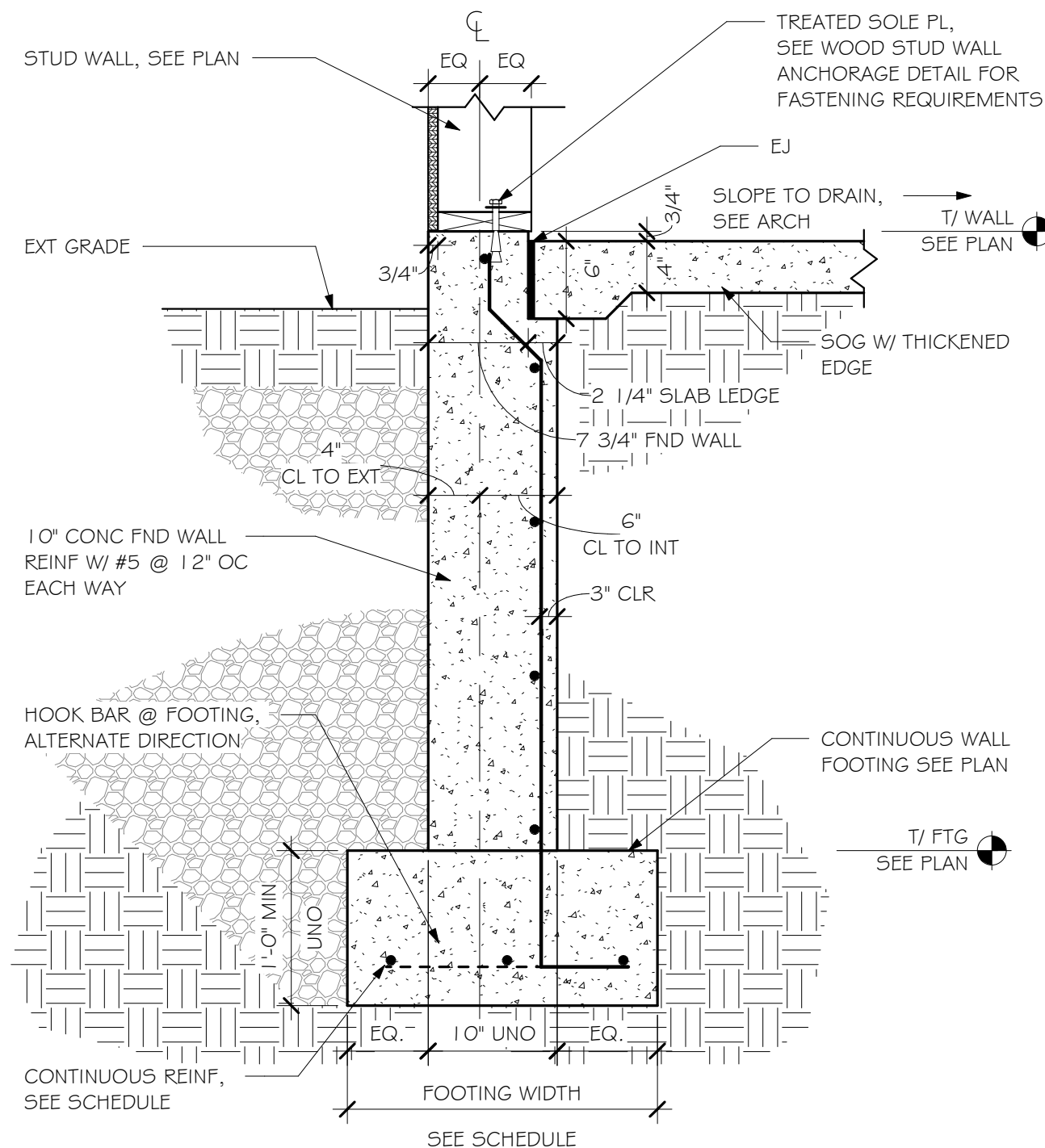
2 TYPICAL FOUNDATION WALL  
SCALE: 1" = 1'-0"



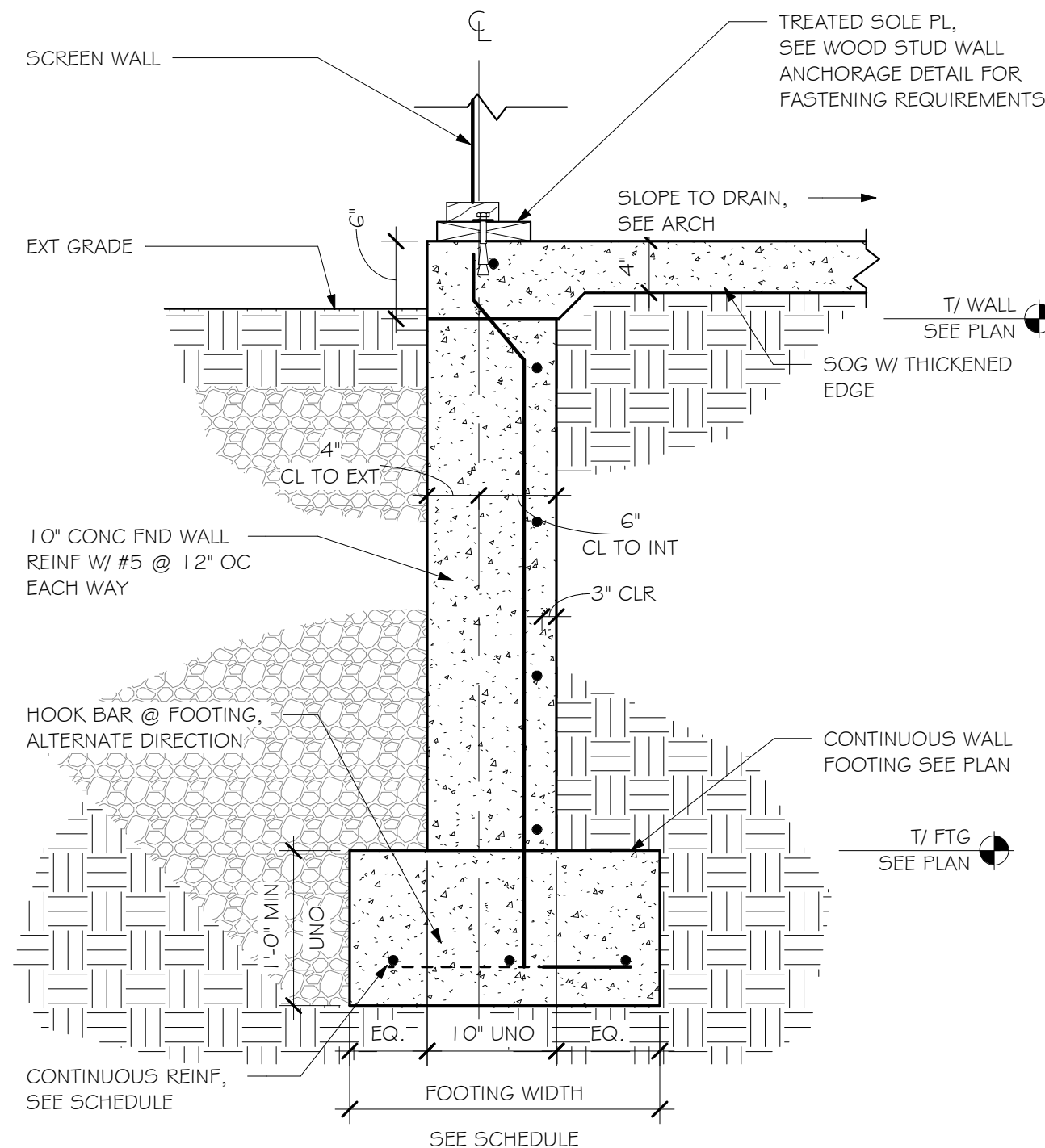
3 FDN WALL @ PARALLEL FRAMING  
SCALE: 1" = 1'-0"



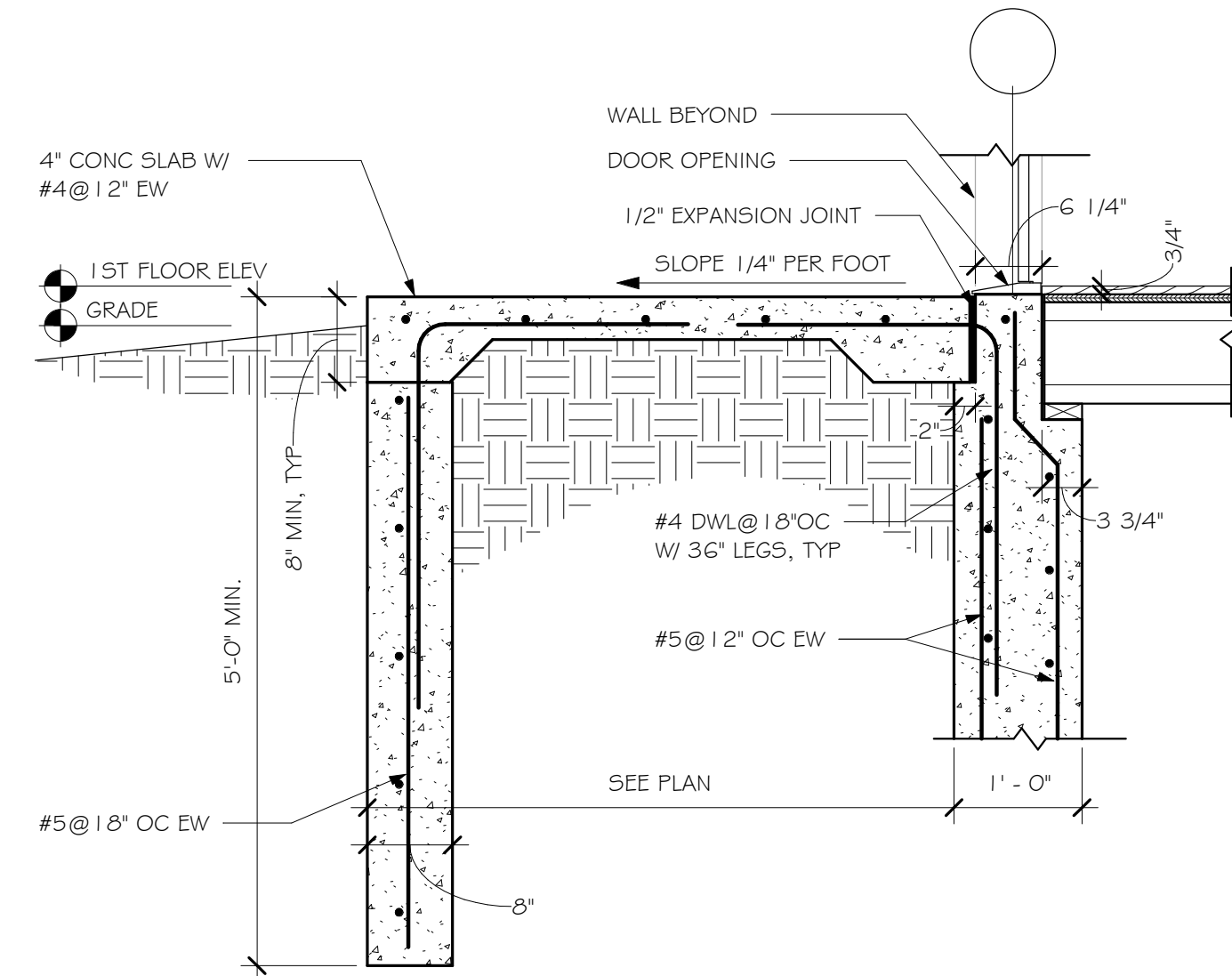
4 FDN WALL @ CRAWL SPACE TO SLAB-ON-GRADE  
SCALE: 1" = 1'-0"



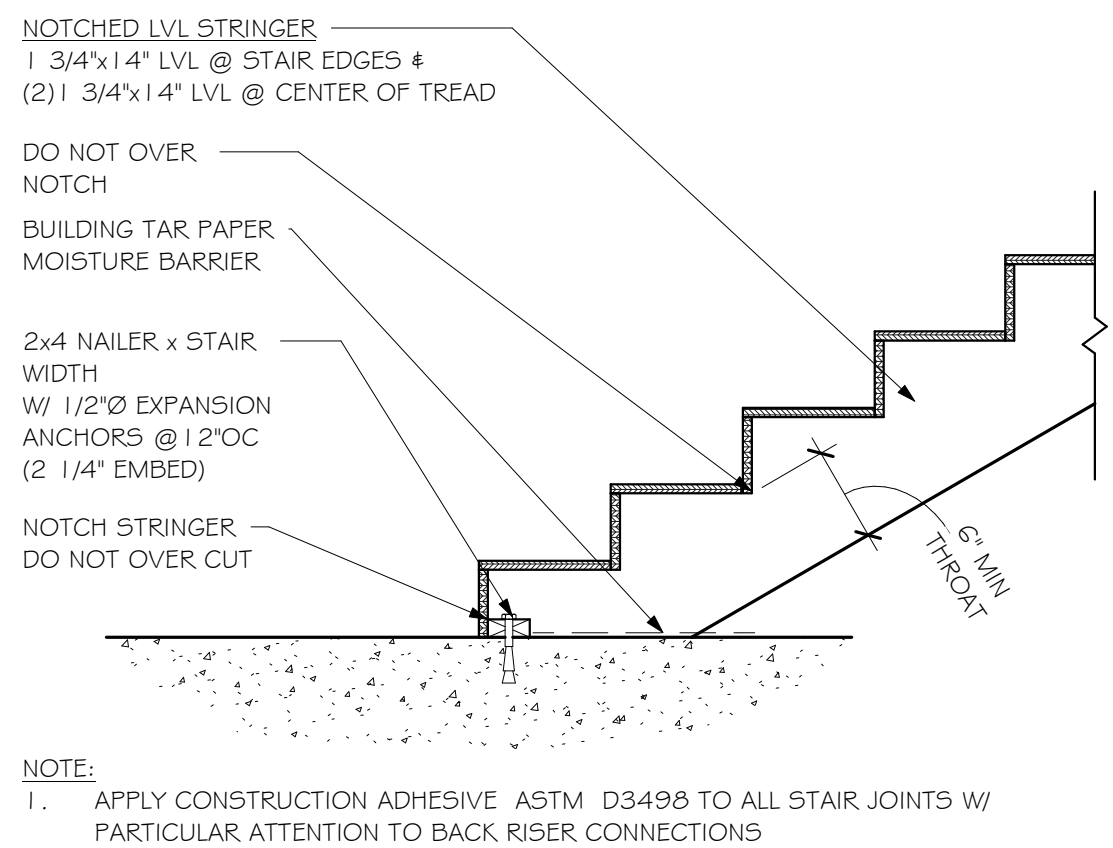
5 FOUNDATION WALL @ SCREENED PORCH  
SCALE: 1" = 1'-0"



6 FOUNDATION WALL @ SCREENED PORCH SCREEN  
SCALE: 1" = 1'-0"



7 TYPICAL CONCRETE STOOP SECTION I  
SCALE: 3/4" = 1'-0"



8 TYPICAL WOOD STAIR BASE CONNECTION @ SLAB ON GRADE I  
SCALE: 3/4" = 1'-0"



**RAMAKER**  
employee-owned  
(608) 643-4100 www.ramaker.com

**Certification & Seal:**

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Wisconsin.



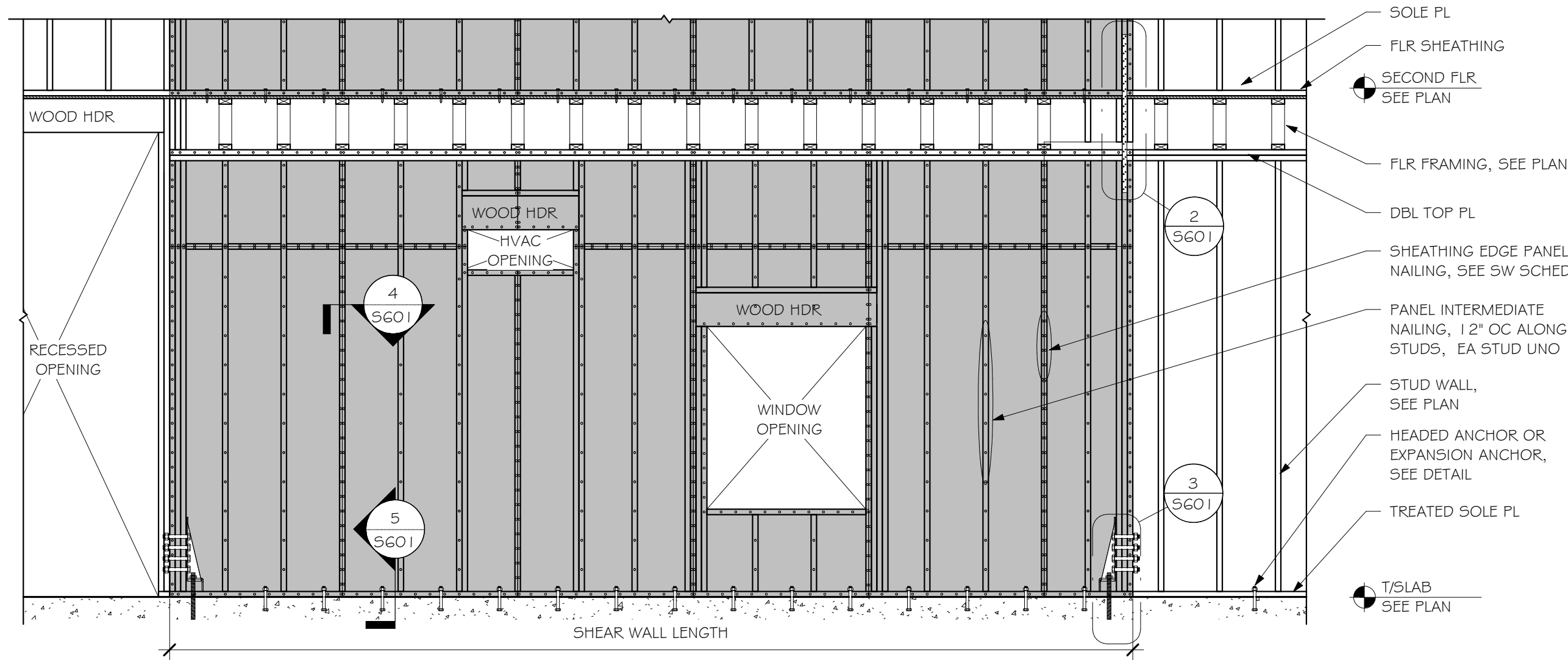
JEFFREY H. ZANDER  
E-28401  
SAUK CITY, WI  
PROFESSIONAL ENGINEER

*Jeffrey H. Zander* 1/1/19/2021  
Date:

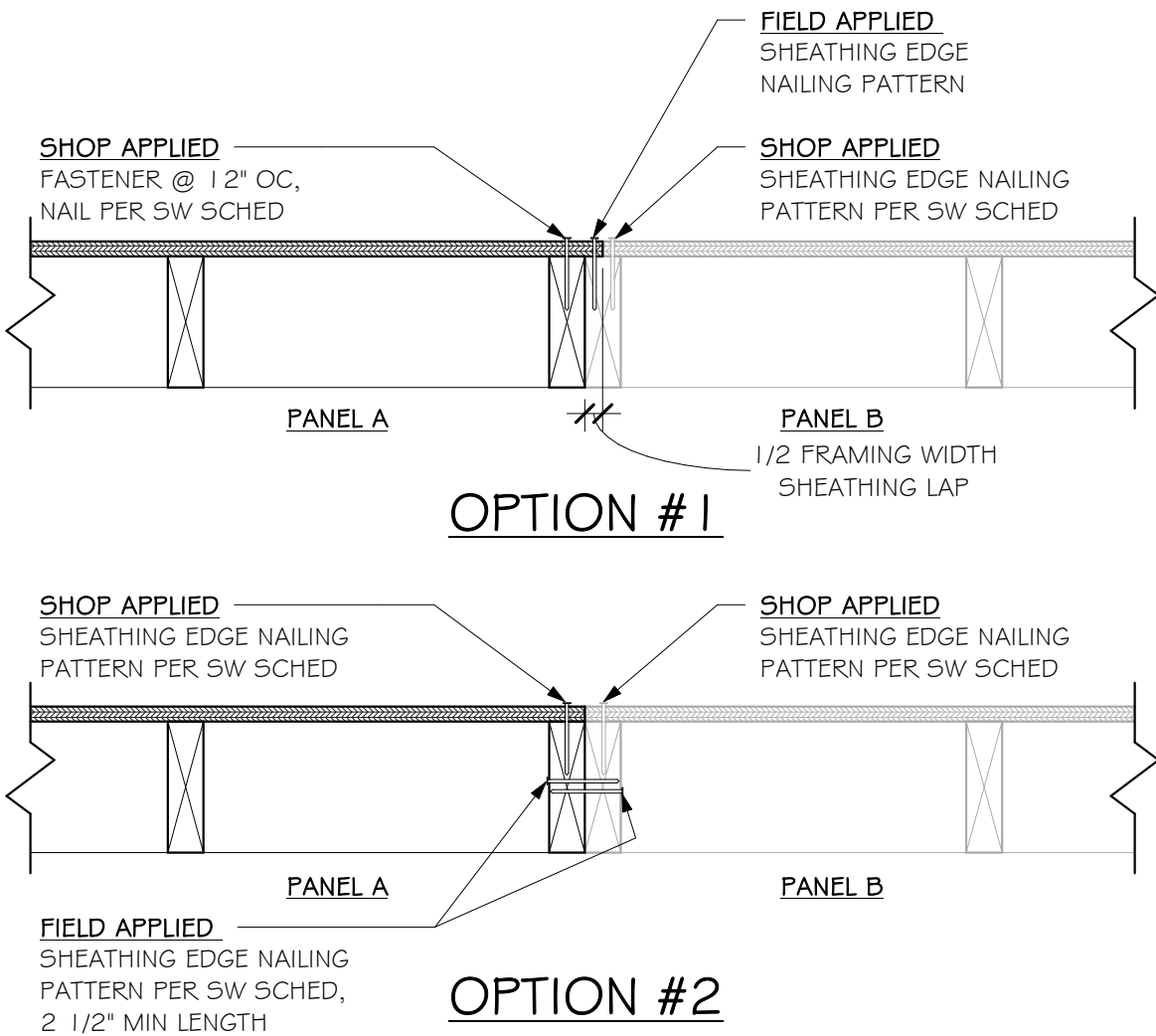
| REV              | DATE                         |
|------------------|------------------------------|
| DATE ISSUED      | 1/1/19/2021                  |
| ISSUE PHASE      | ISSUED FOR CONSTRUCTION      |
| PROJECT TITLE    | SAND VALLEY WILSON RESIDENCE |
| PROJECT OWNER    | BOOTH HANSEN                 |
| PROJECT LOCATION | NEKOOSA, WI                  |
| SHEET TITLE      | FOUNDATION DETAILS           |
| PROJECT NUMBER   | 53146                        |
| SHEET NUMBER     | 5302                         |

This document contains confidential or proprietary information of Ramaker &amp; Associates, Inc. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as authorized by Ramaker &amp; Associates, Inc.

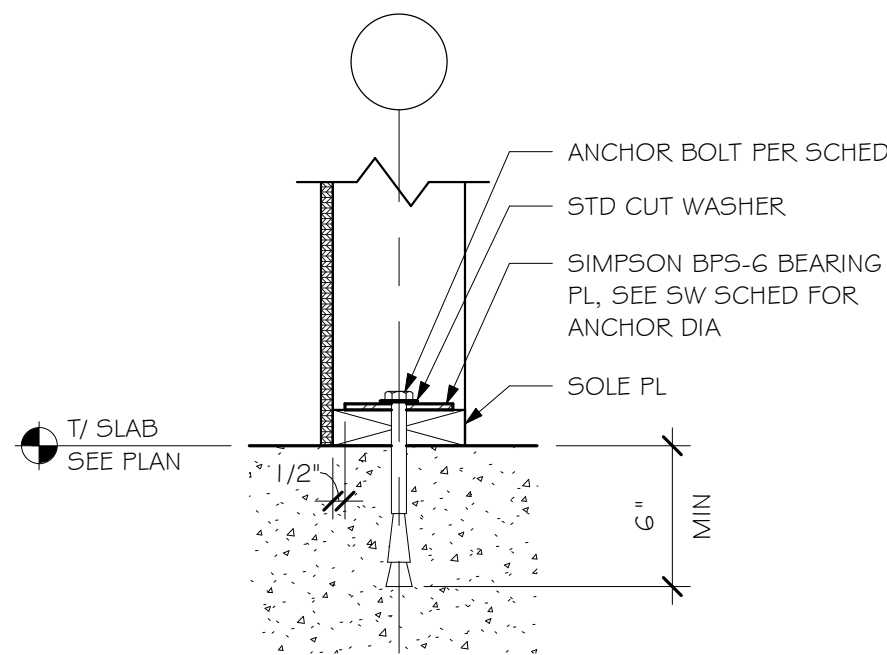




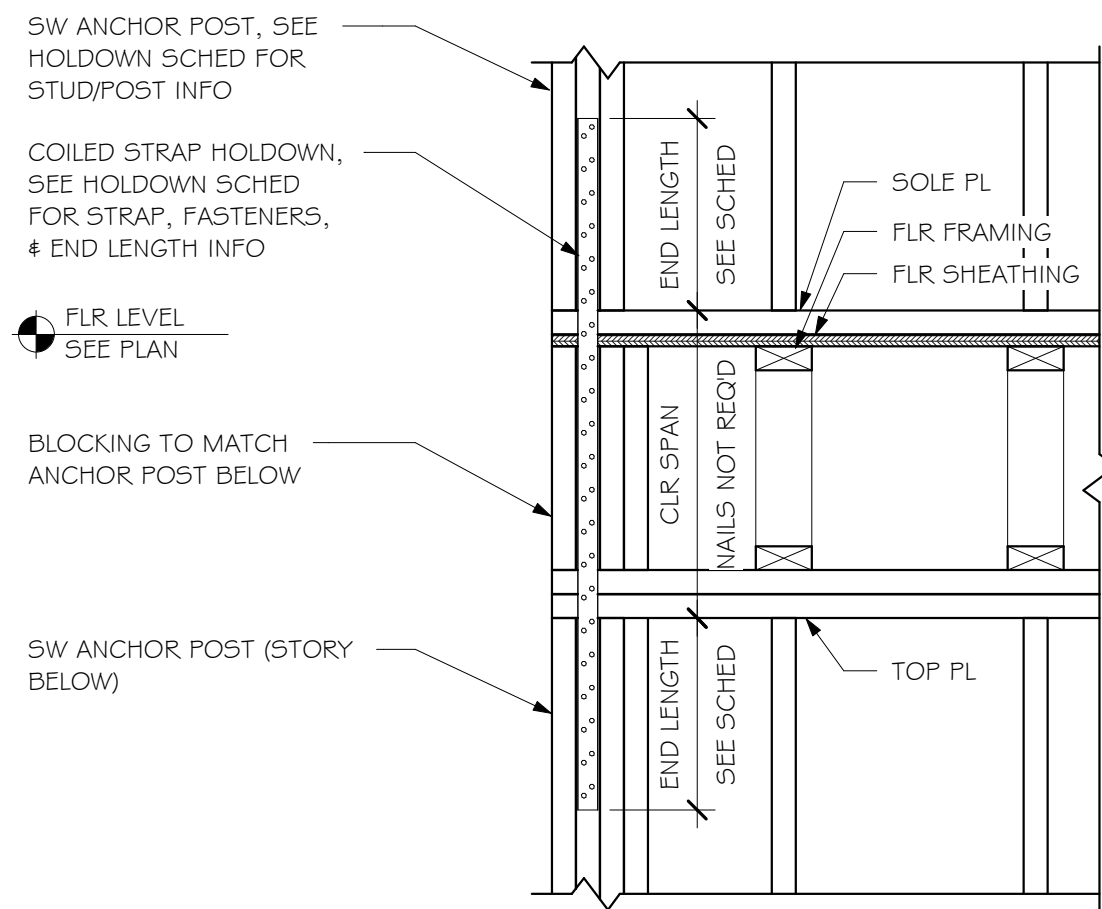
1 TYPICAL WOOD SHEAR WALL ELEVATION W/ HOLDDOWNS  
SCALE: 3/8" = 1'-0"



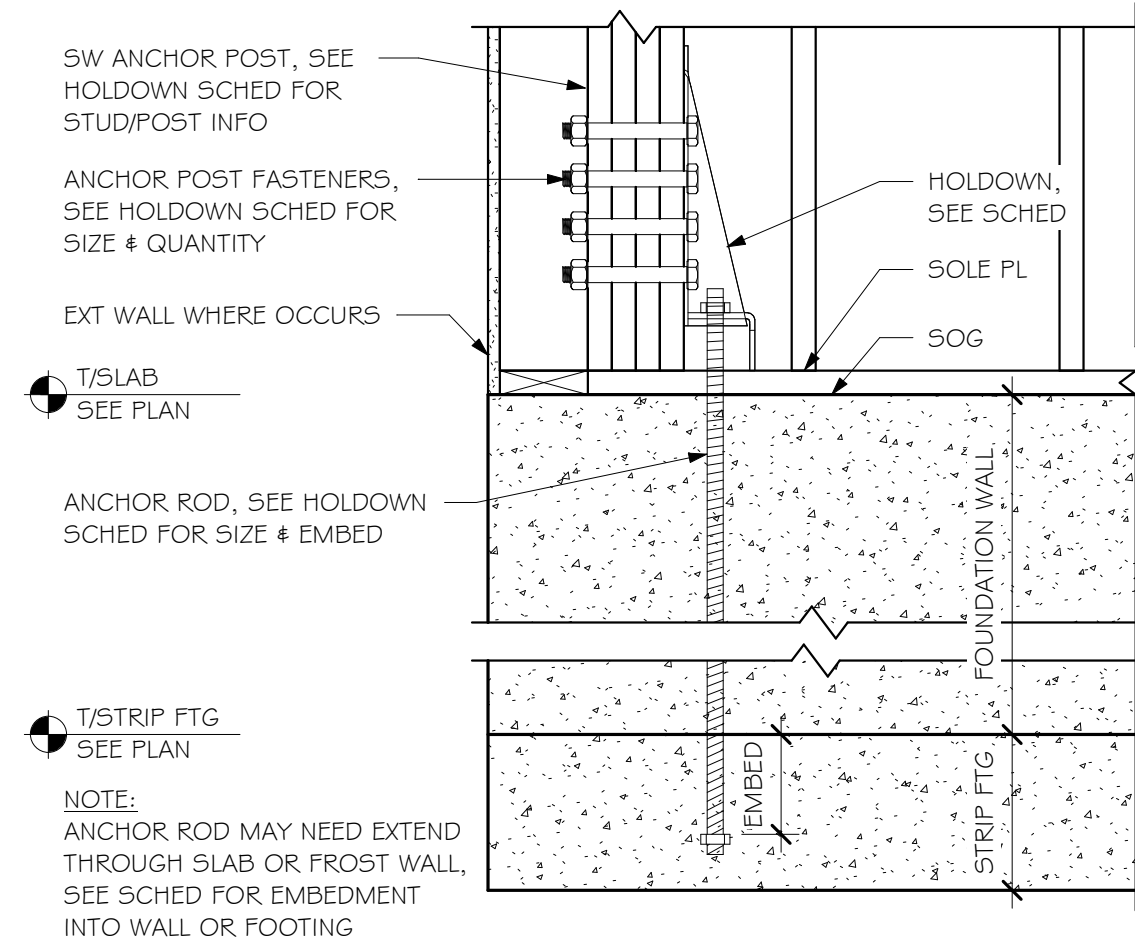
4 TYPICAL WOOD SHEAR WALL PANEL JOINT.  
SCALE: 1 1/2" = 1'-0"



5 SHEAR WALL ANCHOR BOLT CONNECTION  
SCALE: 1 1/2" = 1'-0"



2 SHEAR WALL HOLDOWN  
CONNECTION @ FLOOR LEVEL  
SCALE: 1" = 1'-0"



3 SHEAR WALL HOLDOWN  
CONNECTION @ FOOTING  
SCALE: 1" = 1'-0"

| WOOD SHEAR WALL SHEATHING & NAILING |             |            |                   |                   |                    |             |                    |
|-------------------------------------|-------------|------------|-------------------|-------------------|--------------------|-------------|--------------------|
| SW LOCATION                         | WALL LENGTH | SW TYPE LL | HOLD DOWN TYPE LL | SW TYPE 1ST       | HOLD DOWN TYPE 1ST | SW TYPE 2ND | HOLD DOWN TYPE 2ND |
| GRID 1                              | 13' - 1"    |            |                   | SW1               | HD1                | SW1         | HD1                |
| GRID 2                              | 15' - 6"    | SW3        | HD1               | SW3               | HD1                | SW1         | HD5                |
| GRID A                              | 5' - 6"     |            |                   | SW3               | HD1                | SW1         | HD5                |
| GRID B.2                            | 8' - 6"     | SW1        | HD1               | SW1               | HD1                | SW1         | HD5                |
| GRID B.8                            | 8' - 6"     | SW1        | HD1               | SW1               | HD1                | SW1         | HD5                |
| GRID D                              | 9' - 1"     |            |                   | SW2               | HD1                | SW1         | HD5                |
| GRID E (EAST)                       | 2' - 0"     |            |                   | SIMPSON SWSH24x20 |                    |             |                    |
| GRID E (WEST)                       | 2' - 0"     |            |                   | SIMPSON SWSH24x20 |                    |             |                    |

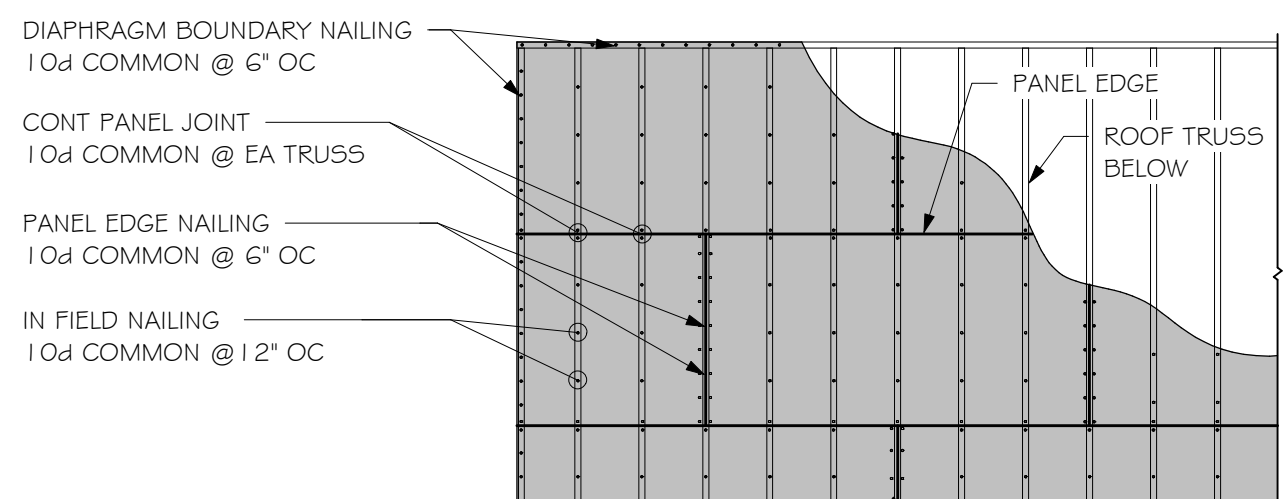
| HOLDDOWN SCHEDULE |             |                          |                                 |                                   |
|-------------------|-------------|--------------------------|---------------------------------|-----------------------------------|
| TYPE              | ANCHOR POST | HOLDDOWN                 |                                 |                                   |
|                   |             | STRAP/HOLDDOWN           | ANCHOR POST FASTENERS           | END LENGTH/ANCHOR ROD EMBED       |
| HD1               | (2) 2X6     | SIMPSON HDU8-SD52.5      | (20) 1/4"x2 1/2" SIMPSON SD5    | 7/8"Ø ANCHOR W/ 9" EMBED INTO FTG |
| HD2               | (2) 2X6     | SIMPSON HDU14-SD52.5     | (36) 1/4"x2 1/2" SIMPSON SD5    | 1"Ø ANCHOR W/ 9" EMBED INTO FTG   |
| HD3               | (4) 2X6     | (2) SIMPSON HDU14-SD52.5 | (36) 1/4"x2 1/2" SIMPSON SD5 EA | 1"Ø ANCHOR W/ 9" EMBED INTO FTG   |
| HD4               | (5) 2X8     | (2) SIMPSON HDU14-SD52.5 | (36) 1/4"x2 1/2" SIMPSON SD5 EA | 1"Ø ANCHOR W/ 9" EMBED INTO FTG   |
| HD5               | (2) 2X6     | SIMPSON CMSTC16          | (50) 0.148"x3 1/4" NAILS EA END | 20" LAP ON STUDS                  |
| HD6               | (2) 2X6     | SIMPSON CMST14           | (66) 0.148"x2 1/2" NAILS EA END | 30" LAP ON STUDS                  |
| HD7               | (4) 2X6     | SIMPSON CMST12           | (86) 0.148"x2 1/2" NAILS EA END | 39" LAP ON STUDS                  |

- NOTE:
- ANCHOR POST IS THE STUD QUANTITY AT END OF SHEARWALL.
  - ANCHOR EMBED DEPTH IS INTO CONCRET FOUNDATION WALL UNO.
  - WHEN TWO (2) HOLDDOWNS ARE SPECIFIED, INSTALL HOLDDOWNS ON OPPOSITE SIDES OF THE ANCHOR POST. OFFSET HOLDDOWNS IF THE ANCHOR POST IS NOT THICK ENOUGH TO PREVENT OPPOSING HOLDDOWN FASTENER INTERFERENCE.

| SHEAR WALL FASTENING SCHEDULE |                     |                             |                          |                         |
|-------------------------------|---------------------|-----------------------------|--------------------------|-------------------------|
| TYPE                          | # OF SIDES SHEATHED | SHEATHING EDGE NAIL SPACING | SOLE PL FASTENER SPACING |                         |
|                               |                     |                             | @ WOOD FLR <sup>3</sup>  | @ CONC FDN <sup>4</sup> |
| SW1                           | 1                   | 6"OC                        | 16"OC                    | 32"OC                   |
| SW2                           | 1                   | 4"OC                        | 12"OC                    | 24"OC                   |
| SW3                           | 1                   | 3"OC                        | 8"OC                     | 16"OC                   |
| SW4                           | 2                   | 6"OC                        | 6"OC                     | 12"OC                   |
| SW5                           | 2                   | 4"OC                        | 6"OC                     | 8"OC                    |
| SW6                           | 2                   | 3"OC                        | 6"OC                     | 6"OC                    |
| SW7                           | 2                   | 2"OC                        | 6"OC                     | 6"OC                    |

- NOTE:
- ALL SHEAR WALL SHEATHING SHALL BE 23/32" APA RATED OSB
  - ALL SHEAR WALL SHEATHING NAILING SHALL USE 0.131"x3" SMOOTH, CARBON STEEL, POWER DRIVEN NAILS
  - ALL SOLE PL FASTENERS AT ELEVATED WOOD FLOOR SHALL BE SDWS22500DB
  - ALL SOLE PL FASTENERS AT CONCRETE SHALL BE 1/2"Ø BOLT W/ MIN EMBED OF 6", SEE 5/ S601
  - FOR 2" OC & 3" OC EDGE NAILING, A MINIMUM (2)PLY STUDS SHALL BE USED.

PROVIDE PANEL EDGE NAILING @ ALL COLLECTORS, SHEAR WALLS, AND LOAD-BEARING WALLS.



6 FLOOR/ROOF SHEATHING  
NAILING - UNBLOCKED DIAPHRAGM  
SCALE: 1/4" = 1'-0"

Certification & Seal:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Wisconsin.



Date: 11/19/2021

REV \_\_\_\_\_ DATE \_\_\_\_\_

DATE ISSUED 11/19/2021

ISSUE PHASE ISSUED FOR CONSTRUCTION

PROJECT TITLE

SAND VALLEY  
WILSON  
RESIDENCE

PROJECT OWNER  
BOOTH HANSEN

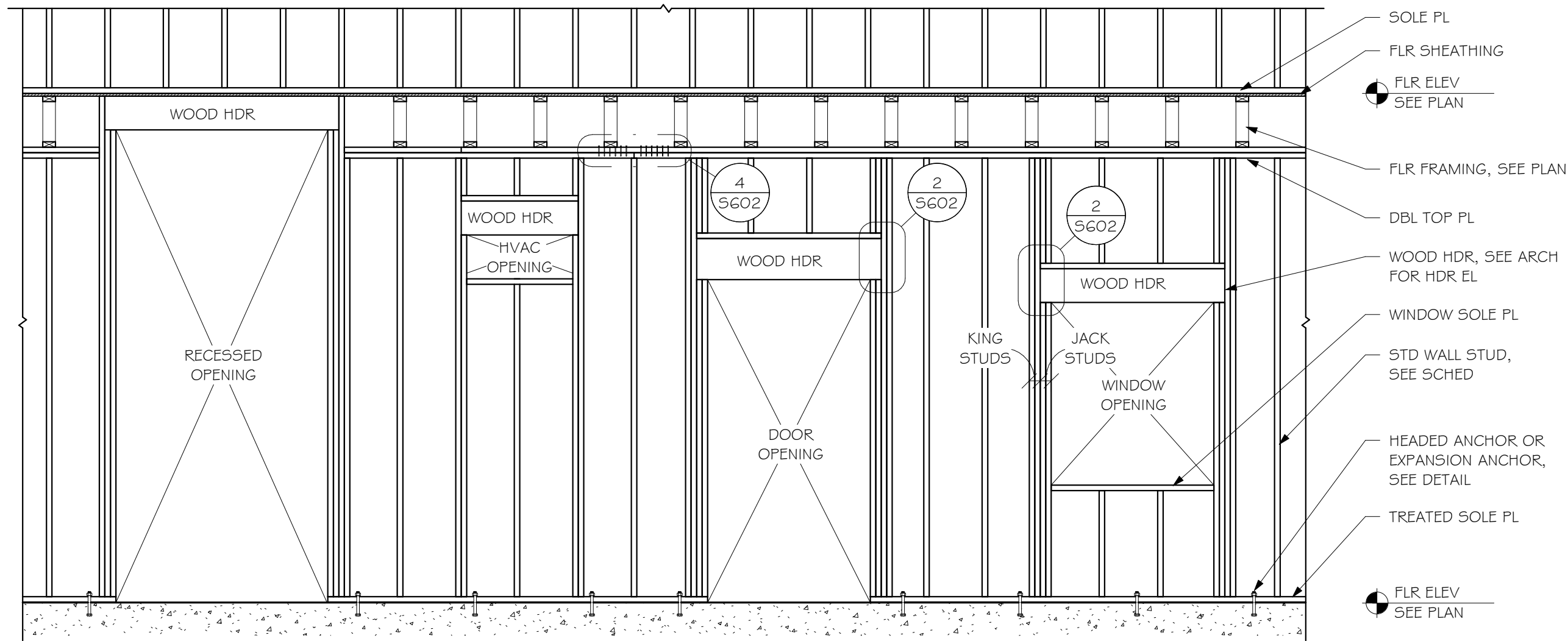
PROJECT LOCATION  
NEKOOSA, WI

SHEET TITLE  
WOOD LATERAL  
SHEAR WALL DETAILS  
& SCHEDULES

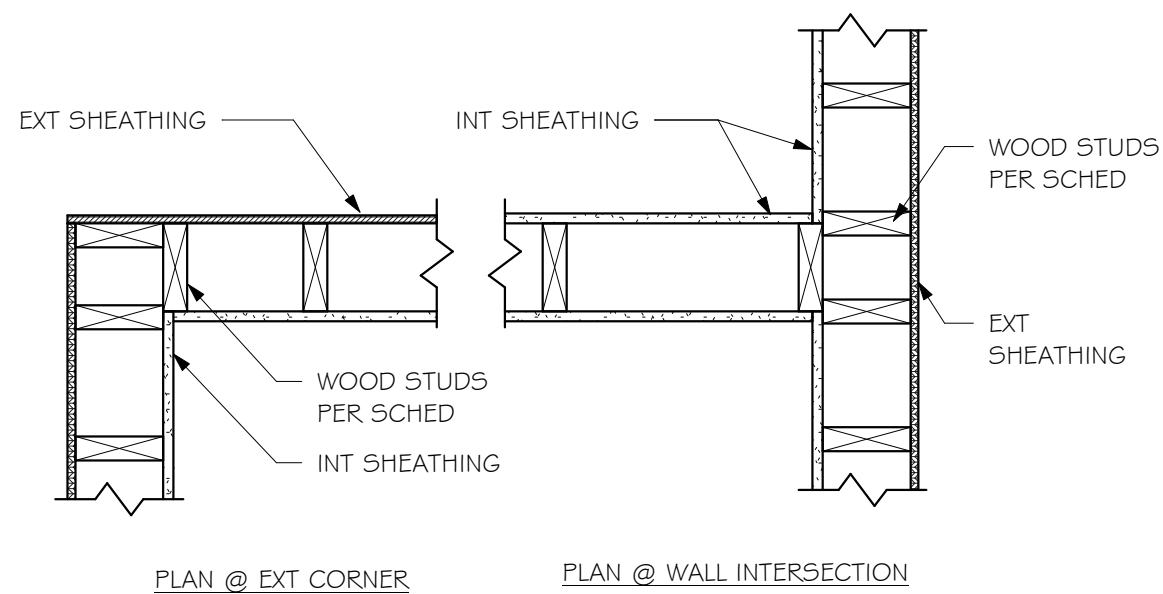
PROJECT NUMBER 53146

SHEET NUMBER S601

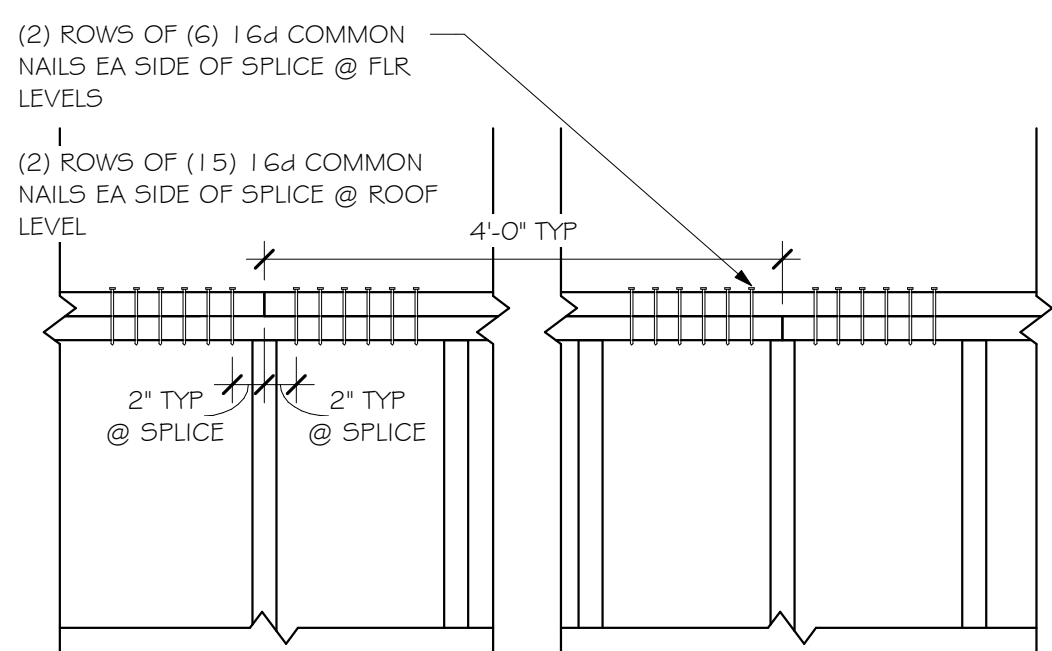




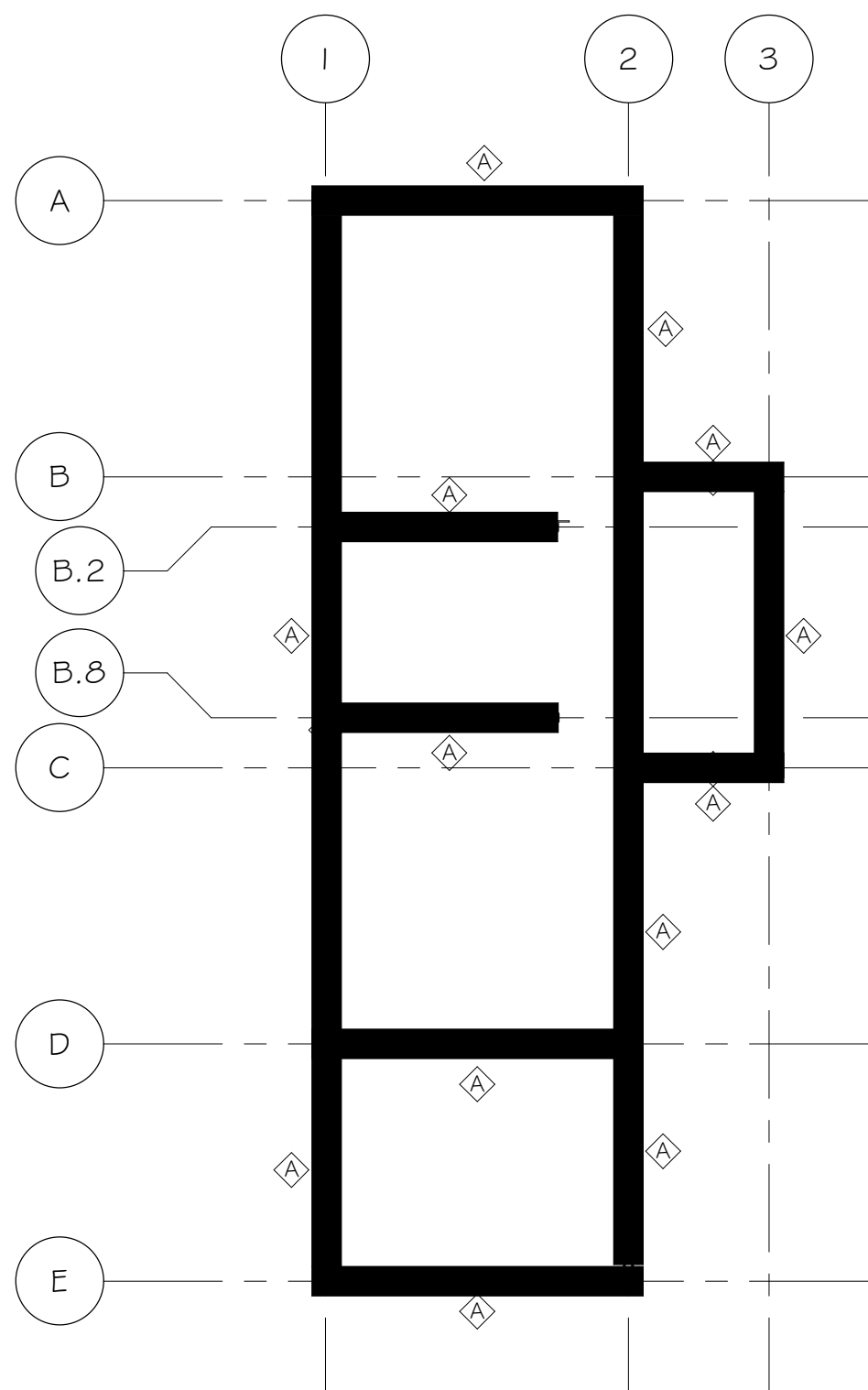
1 TYPICAL WOOD BEARING WALL ELEVATION  
SCALE: 3/8" = 1'-0"



3 TYPICAL WOOD STUD WALL INTERSECTIONS  
SCALE: 1" = 1'-0"



4 TYPICAL WOOD STUD WALL DOUBLE TOP PLATE SPLICE  
SCALE: 1" = 1'-0"

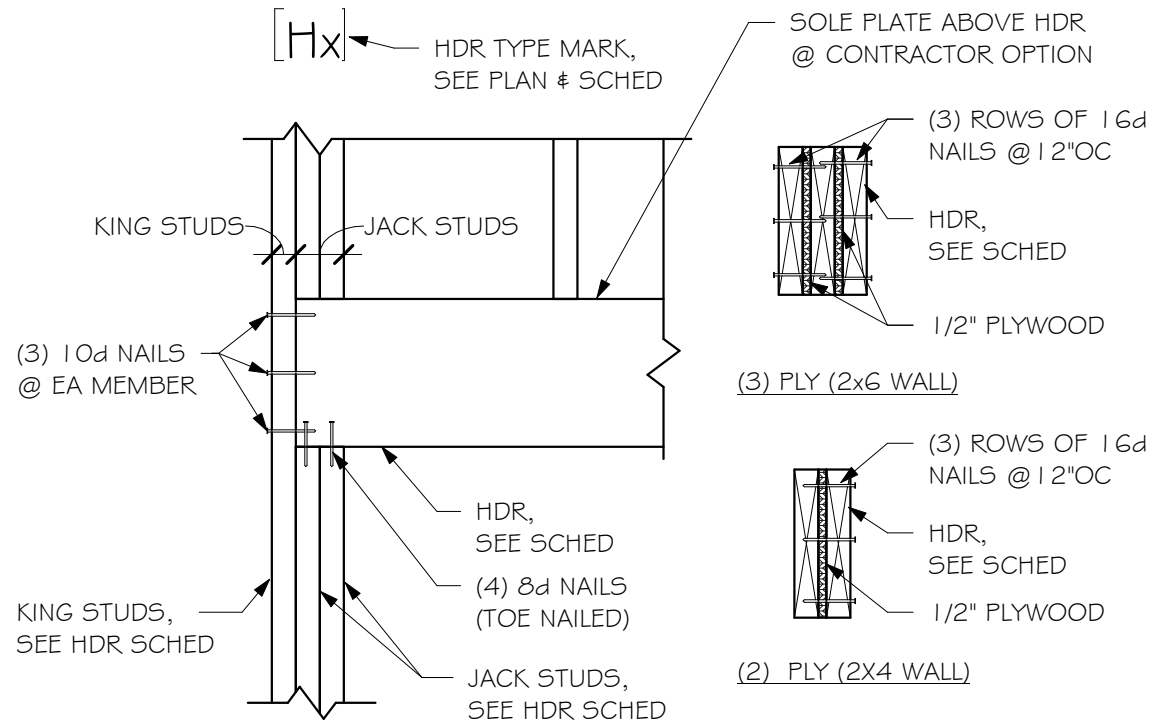


5 WOOD STUD WALL KEY PLAN - FIRST FLOOR  
SCALE: 1" = 10'-0"

| WOOD STUD WALL SCHEDULE |                               |         |
|-------------------------|-------------------------------|---------|
|                         |                               | ALL EXT |
| TOP PL                  | (2) 2x6                       |         |
| STUDS                   | 2x6 @ 16" OC                  |         |
| SOLE PL                 | (1) 2x6                       |         |
| TOP PL                  | (2) 2x6                       |         |
| STUDS                   | 2x6 @ 16" OC                  |         |
| SOLE PL                 | (1) 2x6 TREATED SP NO.2 DENSE |         |

- WOOD STUD WALL NOTES
- ALL STUD & PL MATERIAL SHALL BE SPF NO.1/NO.2 UNO.
  - ALL SOLE PLATES IN CONTACT WITH CONCRETE/MASONRY SHALL BE PRESERVATIVE TREATED OR EXTERIOR FRT WHERE FRT REQD.
  - SEE DETAILS FOR PARAPET FRAMING.
  - STUDS MUST ALIGN WITH STUDS & FRAMING MEMBERS BELOW.

- WOOD HEADER SCHEDULE NOTES:
- NOMINAL DIMENSIONS SHOWN FOR SAWN LUMBER HDRS, ACTUAL DIMENSIONS SHOWN FOR LAMINATED VENEER LUMBER (LVL) HDRS
  - JACK & KING STUDS SHALL MATCH SPECIES & GRADE OF SURROUNDING STUD WALL, SEE WOOD STUD WALL SCHED



2 TYPICAL WOOD HEADER  
SCALE: 1" = 1'-0"

### TYPICAL NAIL DIMENSIONS

| TYPE |        | HEADER SIZE |        |        |            |            |          |  |  |  |  |
|------|--------|-------------|--------|--------|------------|------------|----------|--|--|--|--|
|      |        | # OF PUES   | WIDTH  | DEPTH  | JACK STUDS | KING STUDS | COMMENTS |  |  |  |  |
| H1   | LUMBER | 3           | 2"     | 8"     | 1          | 1          |          |  |  |  |  |
| H2   | LUMBER | 3           | 2"     | 8"     | 1          | 2          |          |  |  |  |  |
| H4   | LUMBER | 3           | 2"     | 10"    | 2          | 1          |          |  |  |  |  |
| H11  | LVL    | 3           | 1 3/4" | 1 1/4" | 2          | 5          |          |  |  |  |  |

| IBC 2015 - TABLE 2304.10.1 - FASTENING SCHEDULE                                            |   |           |        |        |        |        |        |                    |        |        |  |
|--------------------------------------------------------------------------------------------|---|-----------|--------|--------|--------|--------|--------|--------------------|--------|--------|--|
| CONNECTION                                                                                 |   | FASTENING |        |        |        |        |        | SPACING & LOCATION |        |        |  |
| 1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW | L | 2"        | 2 1/4" | 2 1/2" | 3"     | 3 1/4" | 3 1/2" | 4"                 | 4 1/2" | 5"     |  |
|                                                                                            | D | 0.113"    | 0.113" | 0.131" | 0.148" | 0.148" | 0.162" | 0.192"             | 0.207" | 0.225" |  |
|                                                                                            | H | 0.266"    | 0.266" | 0.281" | 0.312" | 0.312" | 0.344" | 0.406"             | 0.438" | 0.469" |  |
| BOX                                                                                        | L | 2"        | 2 1/4" | 2 1/2" | 3"     | 3 1/4" | 3 1/2" | 4"                 | 4 1/2" | 5"     |  |
|                                                                                            | D | 0.099"    | 0.099" | 0.113" | 0.128" | 0.128" | 0.135" | 0.148"             | 0.148" | 0.162" |  |
|                                                                                            | H | 0.266"    | 0.266" | 0.297" | 0.312" | 0.312" | 0.344" | 0.375"             | 0.375" | 0.406" |  |

| COLUMN MEMBER | NUMBER OF PLYS | FASTENER          | SCREW LENGTH | END DISTANCE | EDGE DISTANCE | VERTICAL SPACING |
|---------------|----------------|-------------------|--------------|--------------|---------------|------------------|
| 2x4           | (2)            | 10d NAILS         | -            | 2 1/2"       | 1"            | 6"               |
|               |                | SDWWSWH SCREW     | 3"           | 3 1/2"       | 1 1/2"        | 6"               |
|               | (3)            | 30d NAILS         | -            | 3 1/2"       | 1 1/2"        | 8"               |
|               |                | SDWWSWH SCREW     | 4 3/8"       | 3 1/2"       | 1 1/2"        | 8"               |
| 2x6           | (4) OR (5)     | 1/2" Ø BOLTS      | -            | 4"           | 2"            | 8"               |
|               | (2)            | (2) 10d NAILS     | -            | 3 1/2"       | 1 1/2"        | 8"               |
|               |                | (2) SDWWSWH SCREW | 3"           | 3 1/2"       | 1 1/2"        | 6"               |
|               | (3)            | (2) 30d NAILS     | -            | 3 1/2"       | 1 1/2"        | 8"               |
|               |                | (2) SDWWSWH SCREW | 4 3/8"       | 3 1/2"       | 1 1/2"        | 8"               |
|               | (4) OR (5)     | (2) SDWWSWH SCREW | 6"           | 3 1/2"       | 1 1/2"        | 8"               |

- NOTES
- ADJACENT NAILS SHALL BE DRIVEN FROM OPPOSITE SIDES OF THE COL.
  - NAILS SHALL BE COMMON WIRE NAILS.
  - PROVIDE METAL WASHERS BETWEEN WOOD & BOLT HEAD, & BETWEEN THE WOOD & NUT.
  - NUTS SHALL BE TIGHTENED TO ENSURE THAT FACES OF ADJACENT LAMINATIONS ARE IN CONTACT.
  - JACKING STUD PACKS SHALL ACT AS ONE COMBINED BUILT-UP COLUMN, 2 JACK + 1 KING = 3 PLY BUILT UP COLUMN.

6 TYPICAL BUILT-UP WOOD COLUMN FASTENING SCHEDULE  
SCALE: 3/4" = 1'-0"

- FASTENER SCHEDULE NOTES
- COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
  - REFER TO IBC TABLE 2304.10.1 FOR ANY APPLICABLE CONDITIONS NOT LISTED ABOVE.

employee-owned  
(608) 643-4100 www.ramaker.com

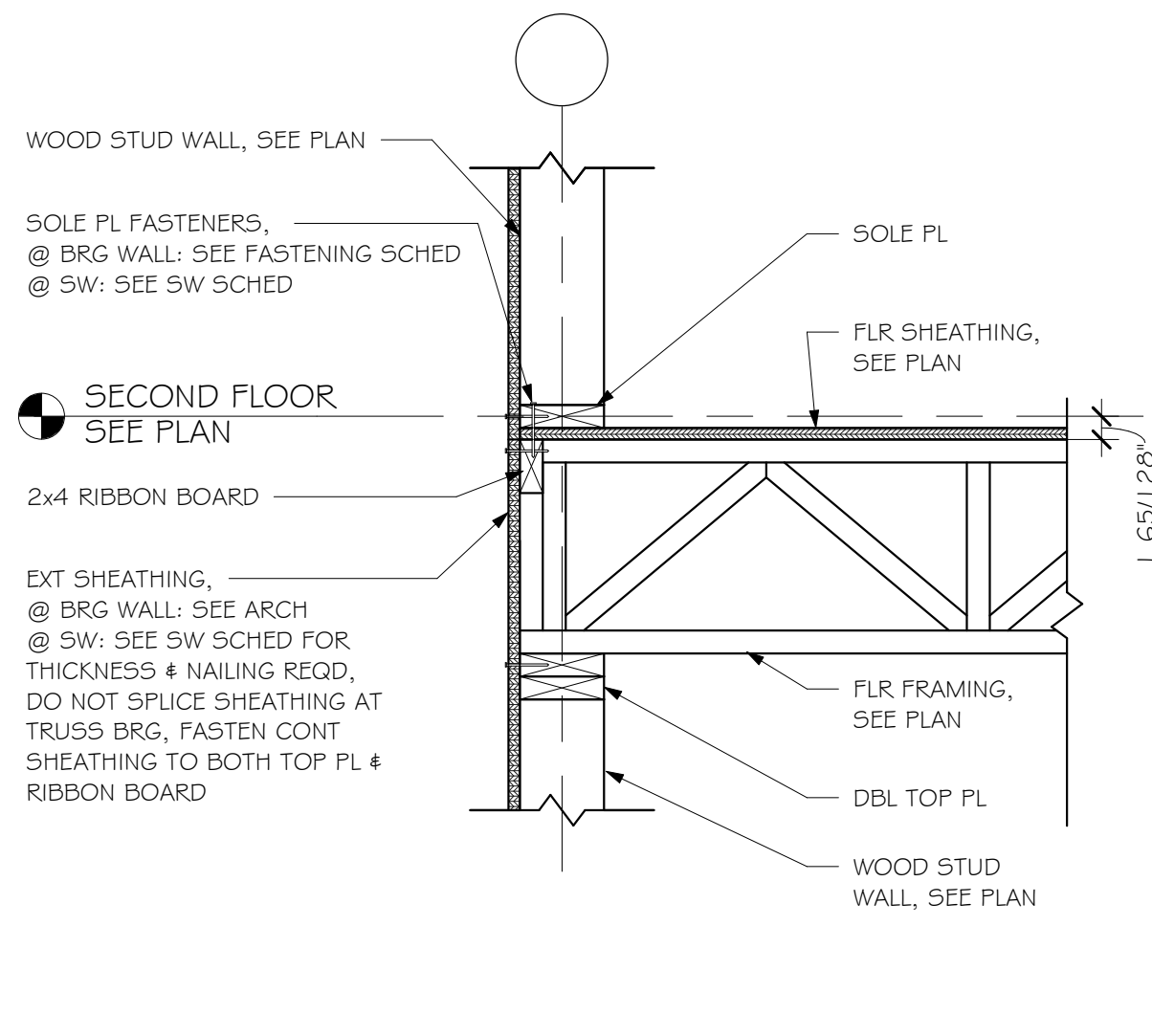
Certification & Seal:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Wisconsin.

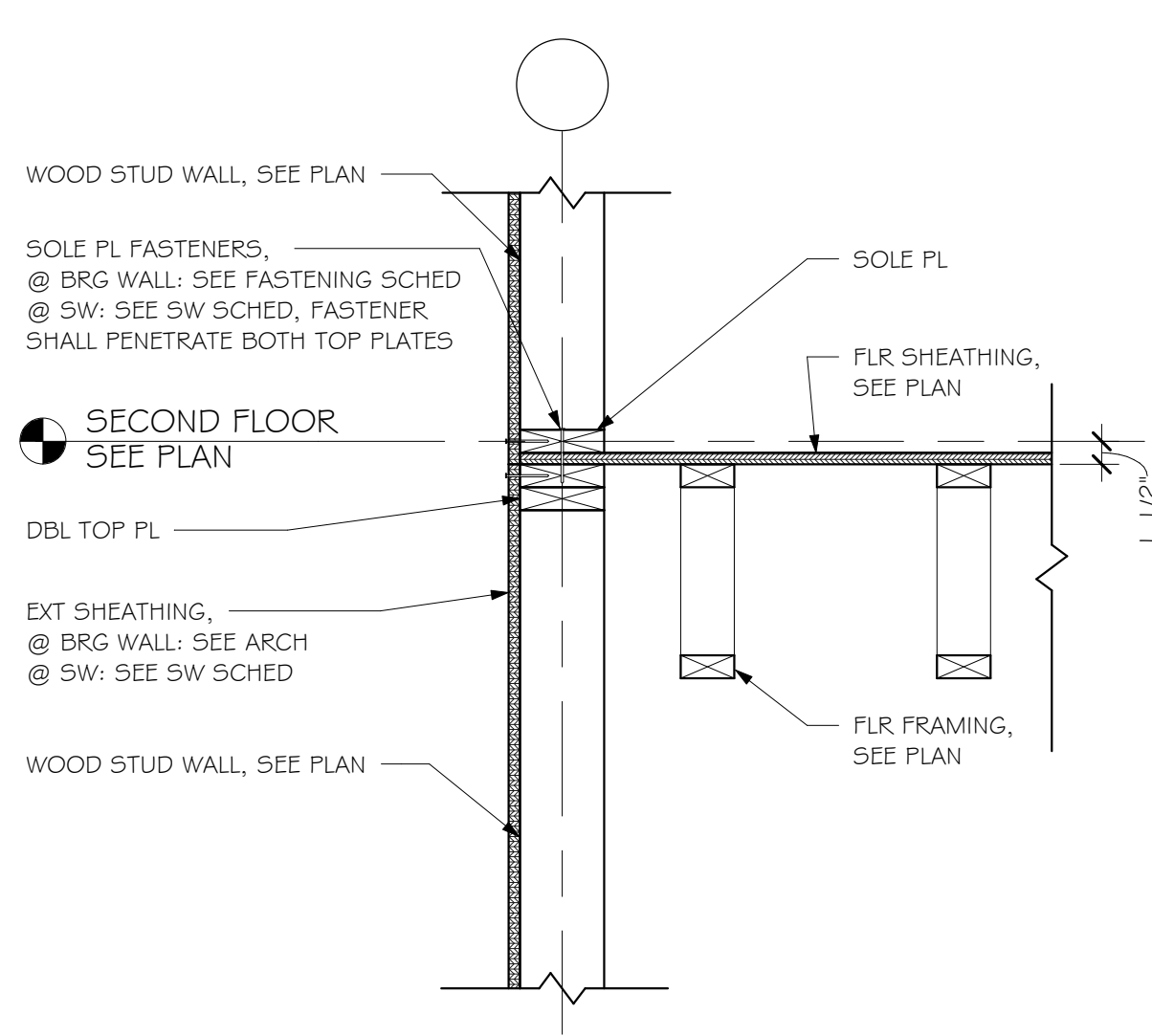
11/19/2021  
Date:

| REV                                         | ISSUED | DATE       |
|---------------------------------------------|--------|------------|
|                                             |        | 11/19/2021 |
| ISSUED FOR CONSTRUCTION                     |        |            |
| PROJECT TITLE                               |        |            |
| SAND VALLEY WILSON RESIDENCE                |        |            |
| PROJECT OWNER                               |        |            |
| BOOTH HANSEN                                |        |            |
| PROJECT LOCATION                            |        |            |
| NEKOOSA, WI                                 |        |            |
| SHEET TITLE                                 |        |            |
| WOOD GRAVITY WALL & HDR DETAILS & SCHEDULES |        |            |
| PROJECT NUMBER                              | 53146  |            |
| SHEET NUMBER                                | 5602   |            |

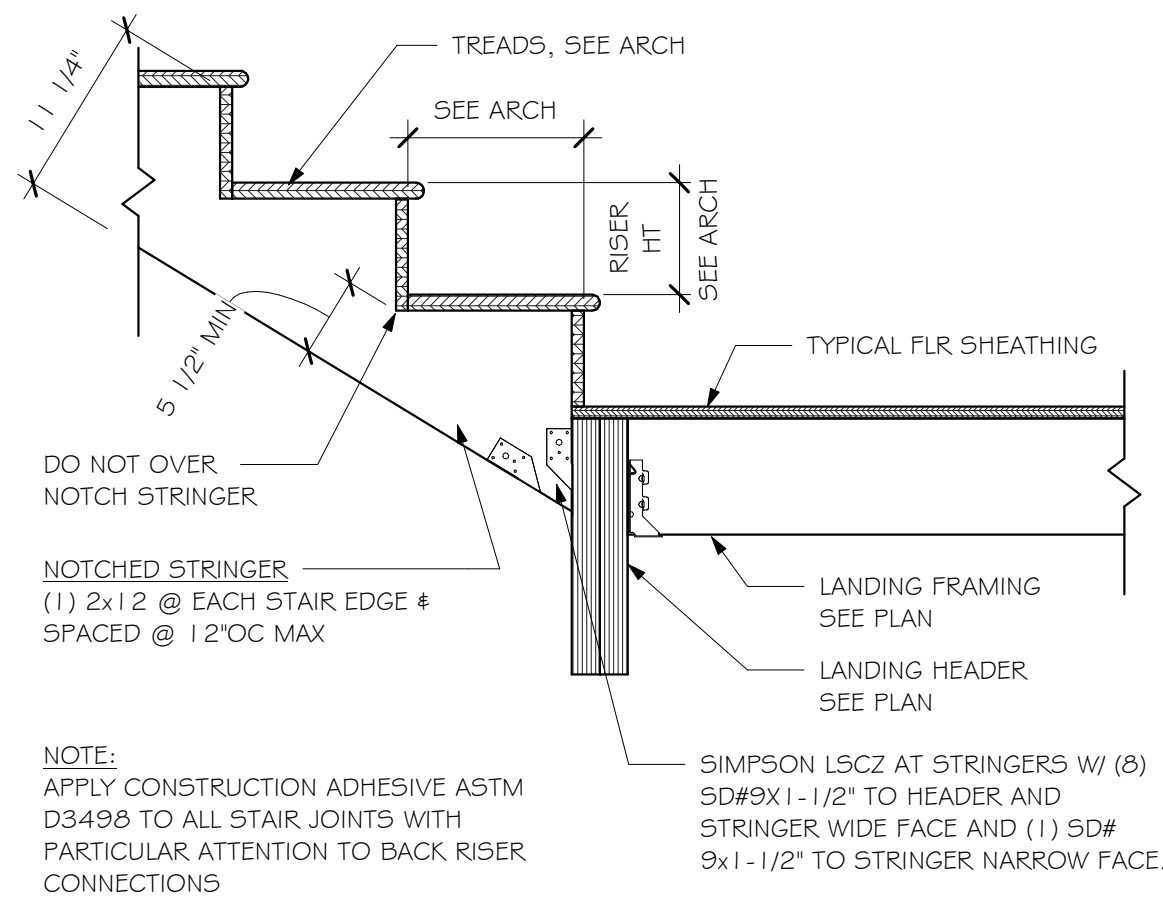




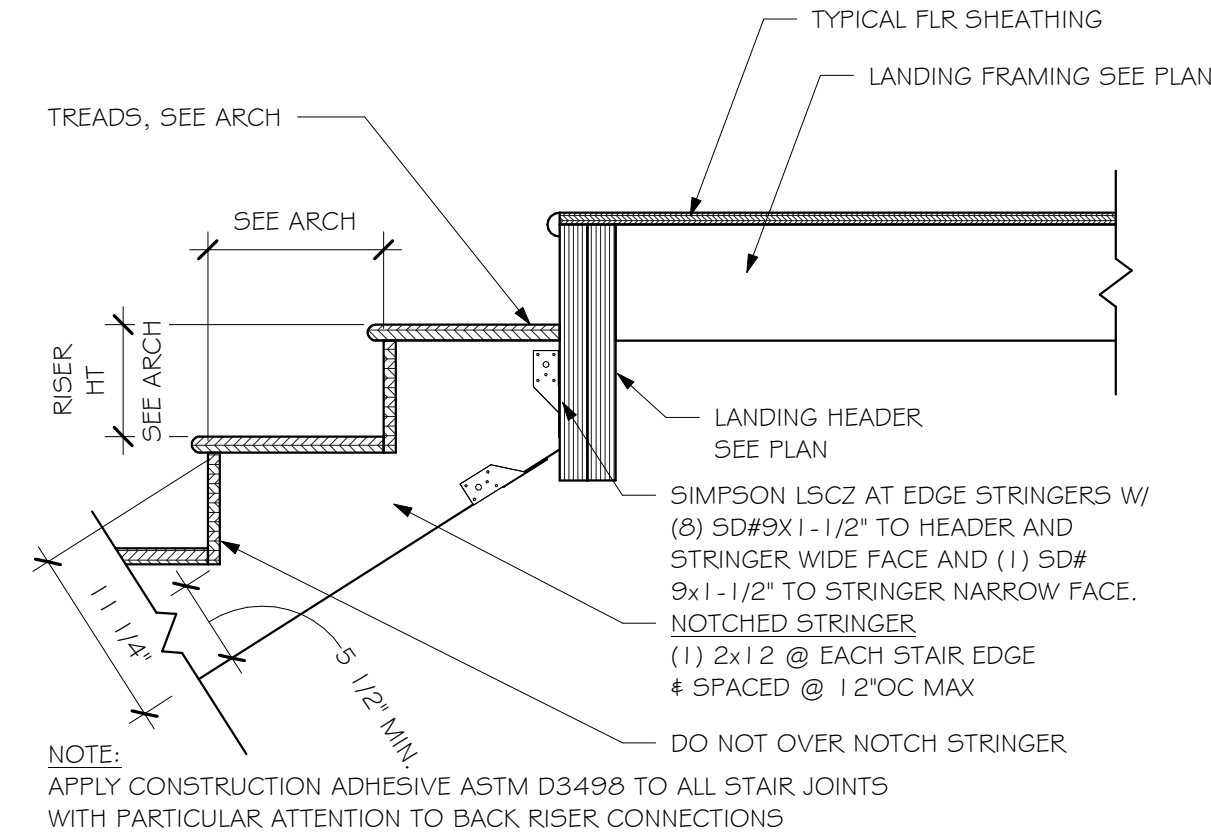
1 FLOOR TRUSS BRG @ EXTERIOR WALL 4  
SCALE: 1" = 1'-0"



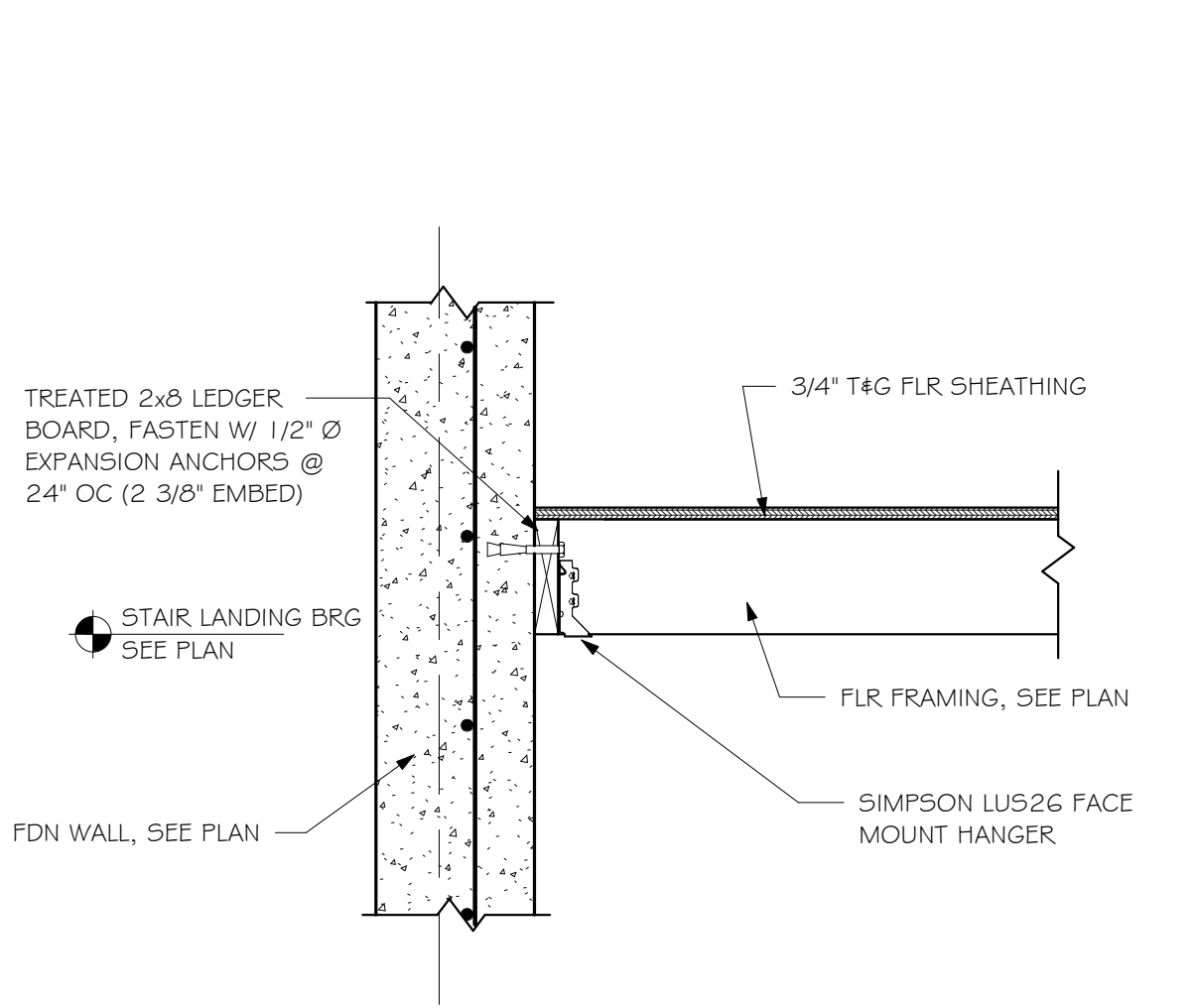
2 FLOOR TRUSS PARALLEL @ EXTERIOR WALL  
SCALE: 1" = 1'-0"



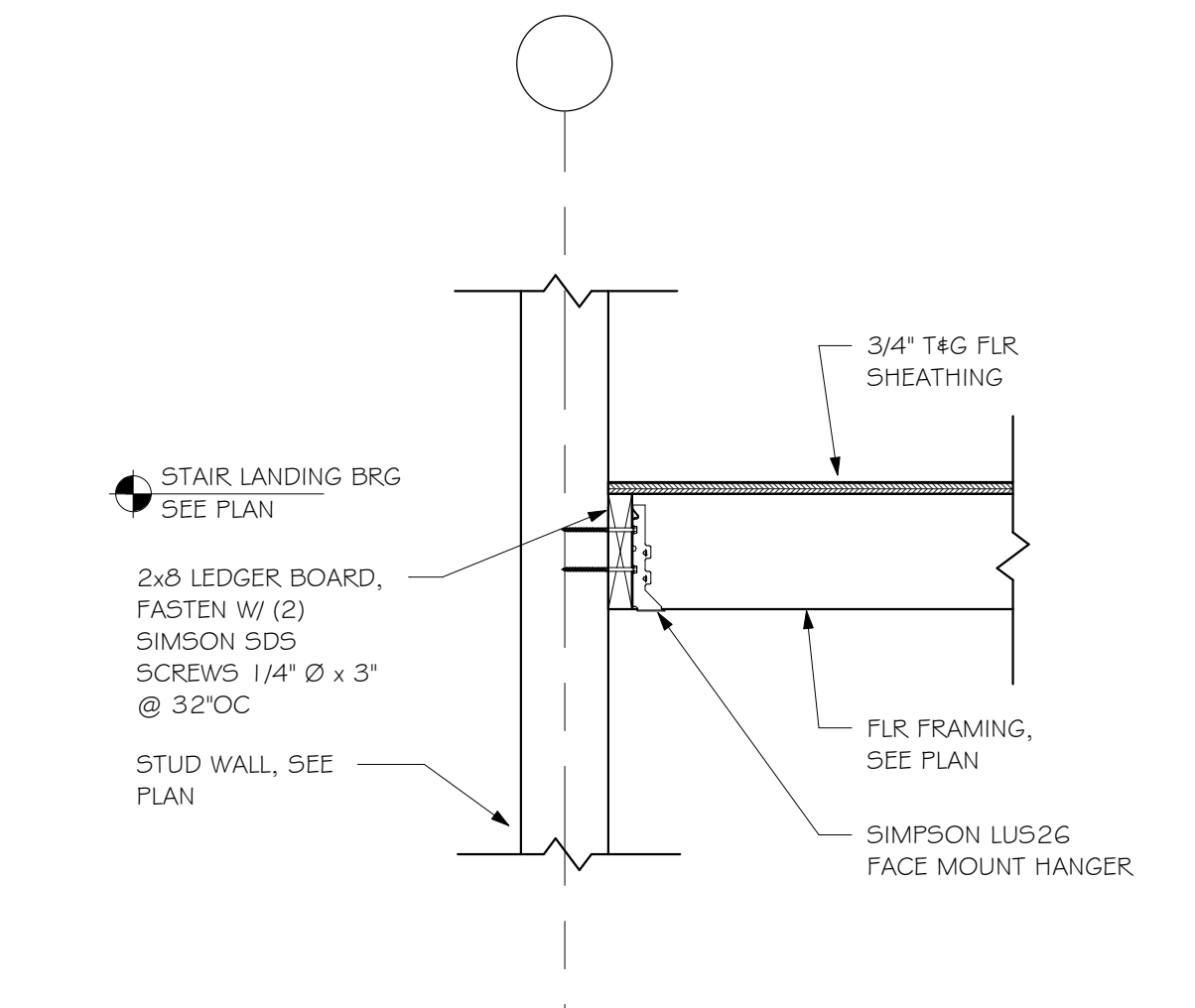
3 JOIST FRAMING @ STAIR LANDING UP  
SCALE: 1" = 1'-0"



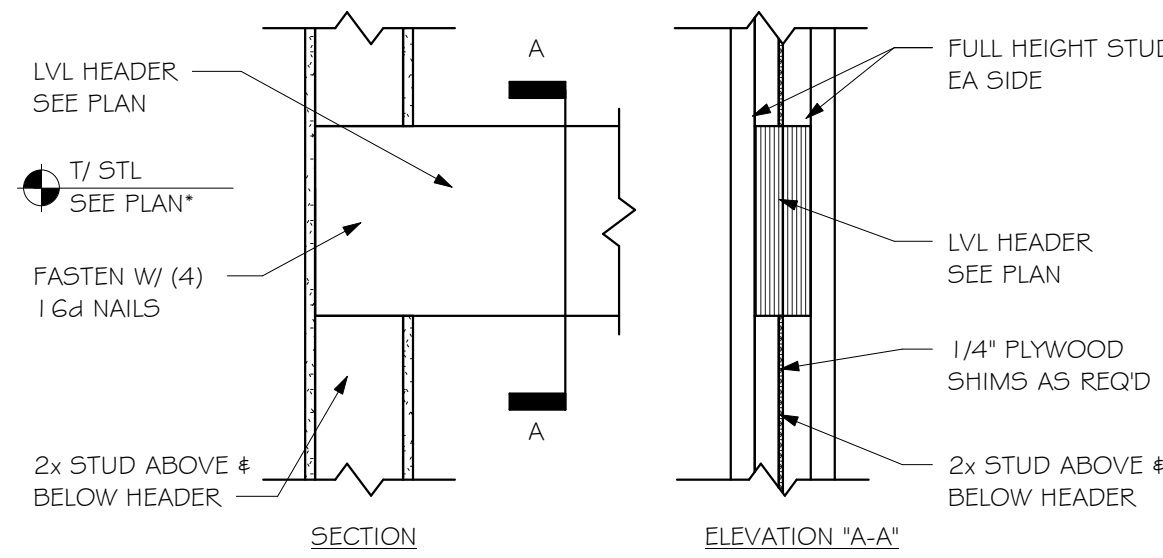
4 JOINST FRAMING @ STAIR LANDING DOWN  
SCALE: 1" = 1'-0"



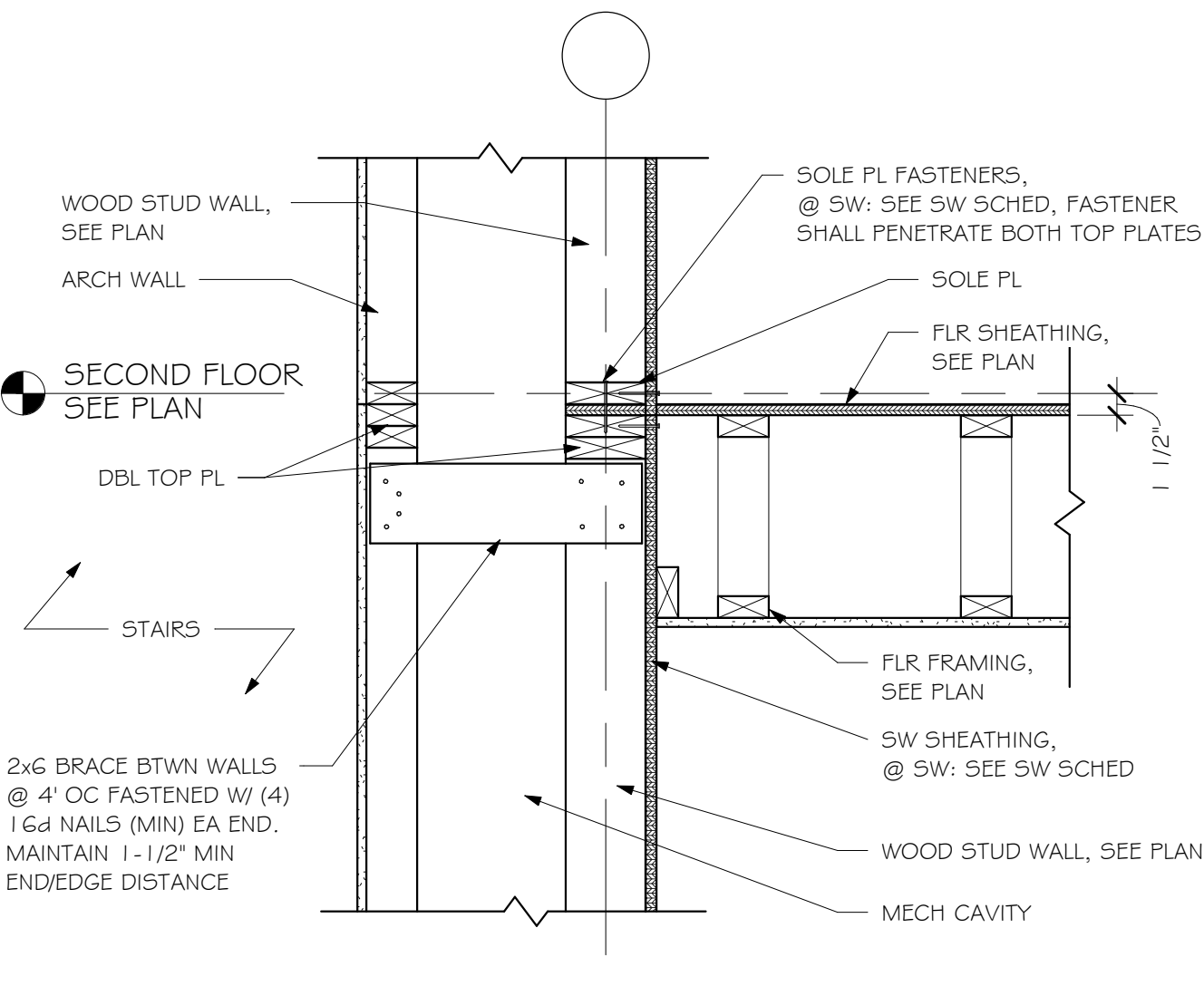
5 LEDGER @ FDN WALL & STAIR LANDING  
SCALE: 1" = 1'-0"



6 LEDGER @ STUD WALL @ STAIR LANDING  
SCALE: 1" = 1'-0"



7 HEADER CONNECTION @ STAIR LANDING  
SCALE: 1" = 1'-0"



8 FLOOR TRUSS PARALLEL @ INT SW  
SCALE: 1" = 1'-0"



**RAMAKER**  
employee-owned  
(608) 643-4100 www.ramaker.com

**Certification & Seal:**  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Wisconsin.



JEFFREY H. ZANDER  
E-28401  
SAUK CITY, WI  
PROFESSIONAL ENGINEER

Date: 1/19/2021

| REV         | DATE                    |
|-------------|-------------------------|
| DATE ISSUED | 1/19/2021               |
| ISSUE PHASE | ISSUED FOR CONSTRUCTION |

PROJECT TITLE

SAND VALLEY WILSON RESIDENCE

PROJECT OWNER

BOOTH HANSEN

PROJECT LOCATION

NEKOOSA, WI

SHEET TITLE

WOOD FLOOR FRAMING DETAILS

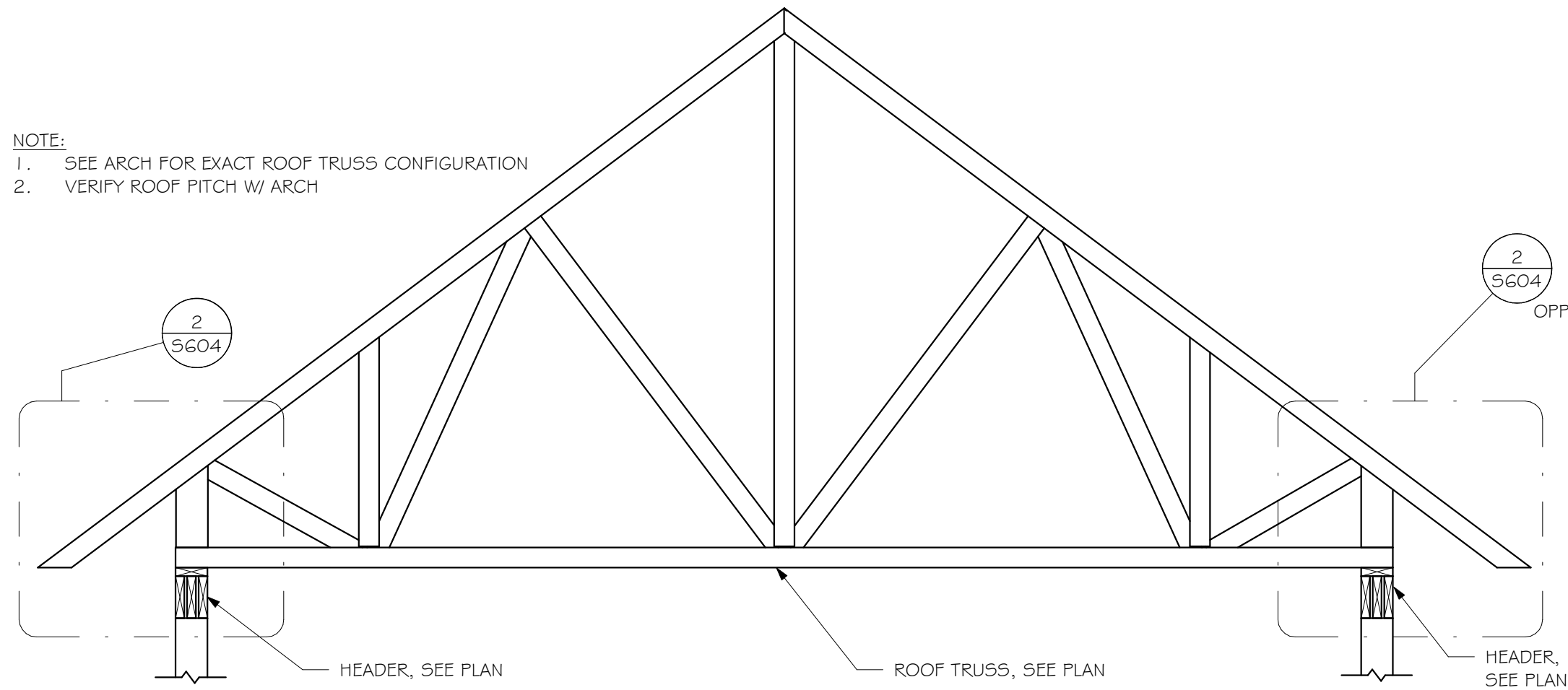
PROJECT NUMBER

53146

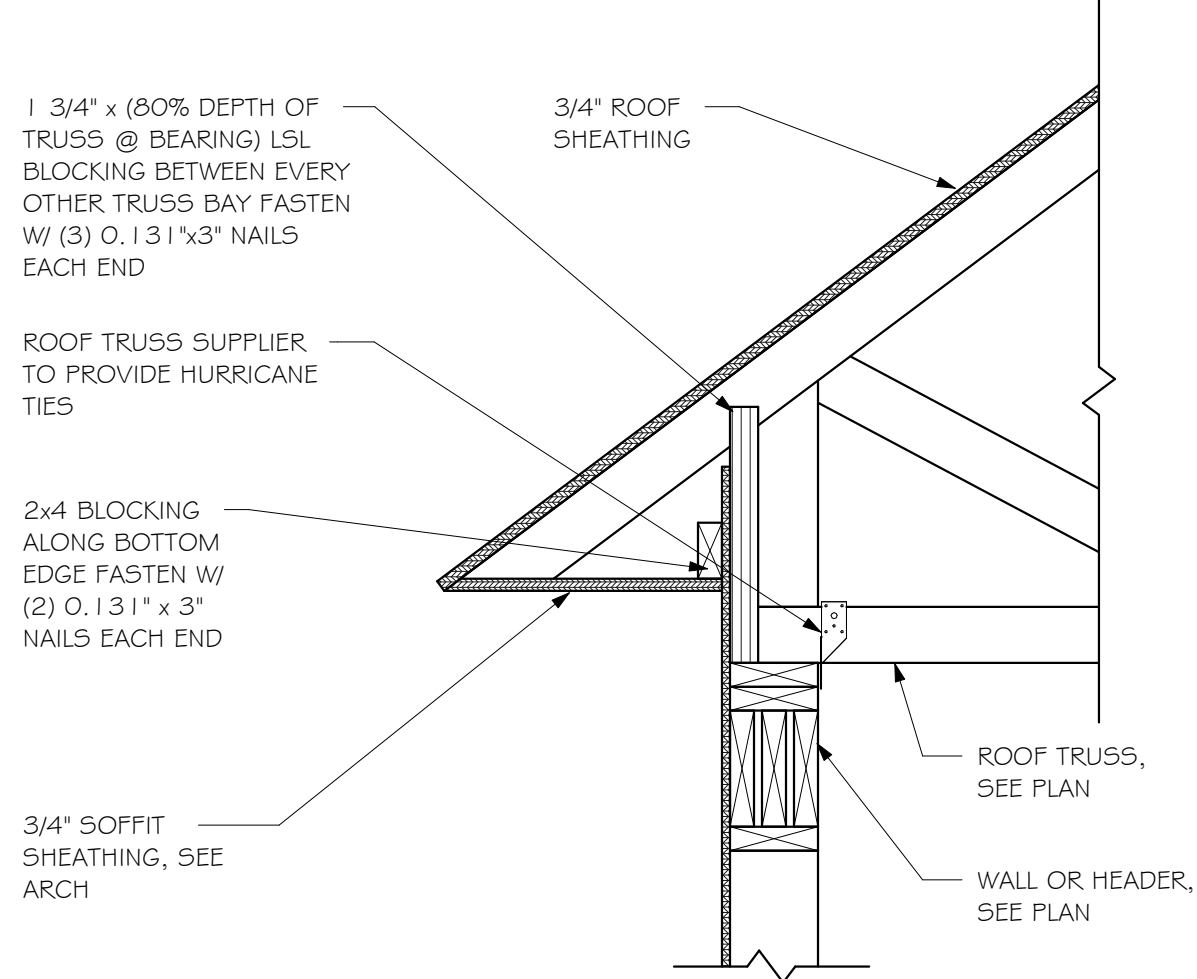
SHEET NUMBER

5603

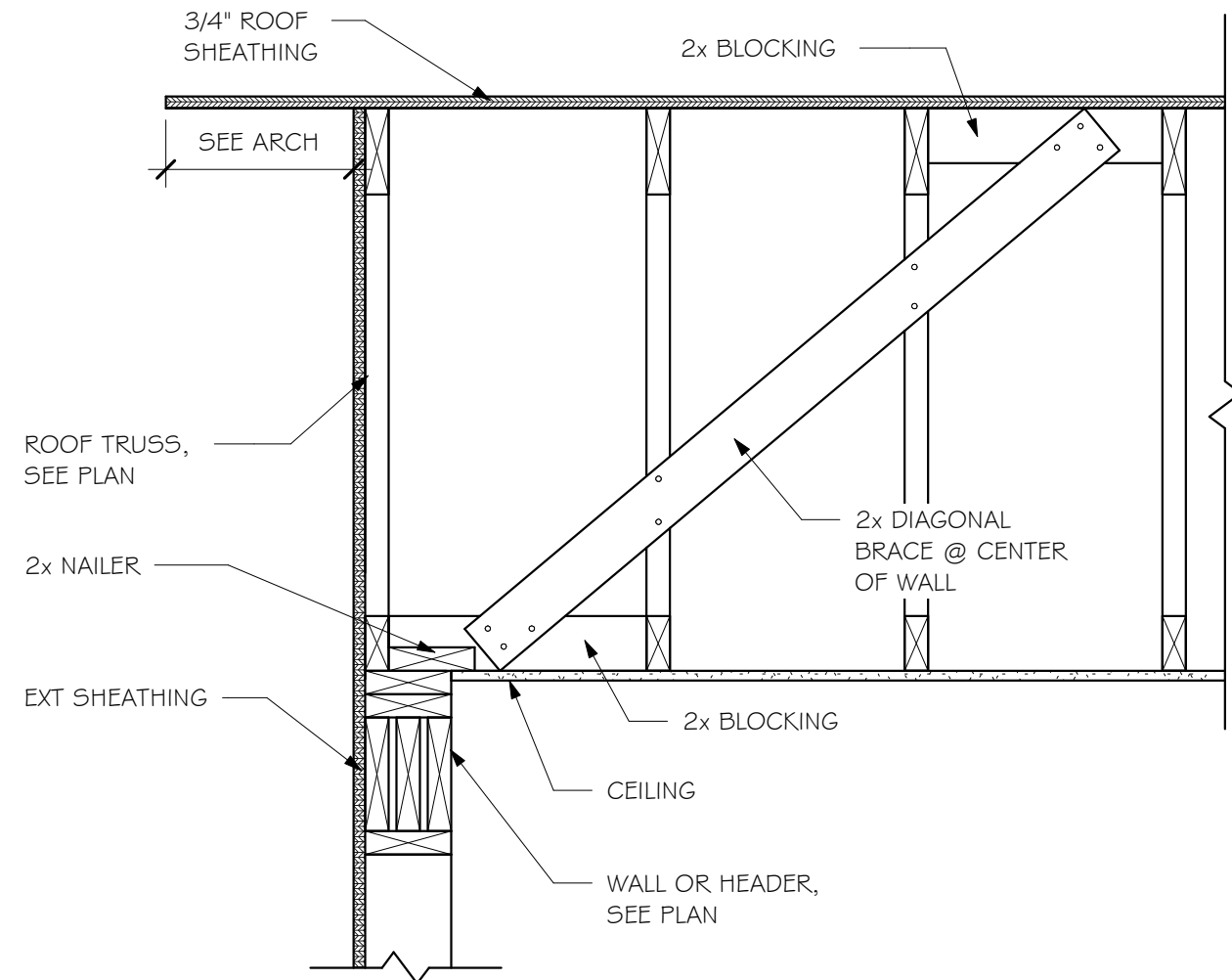




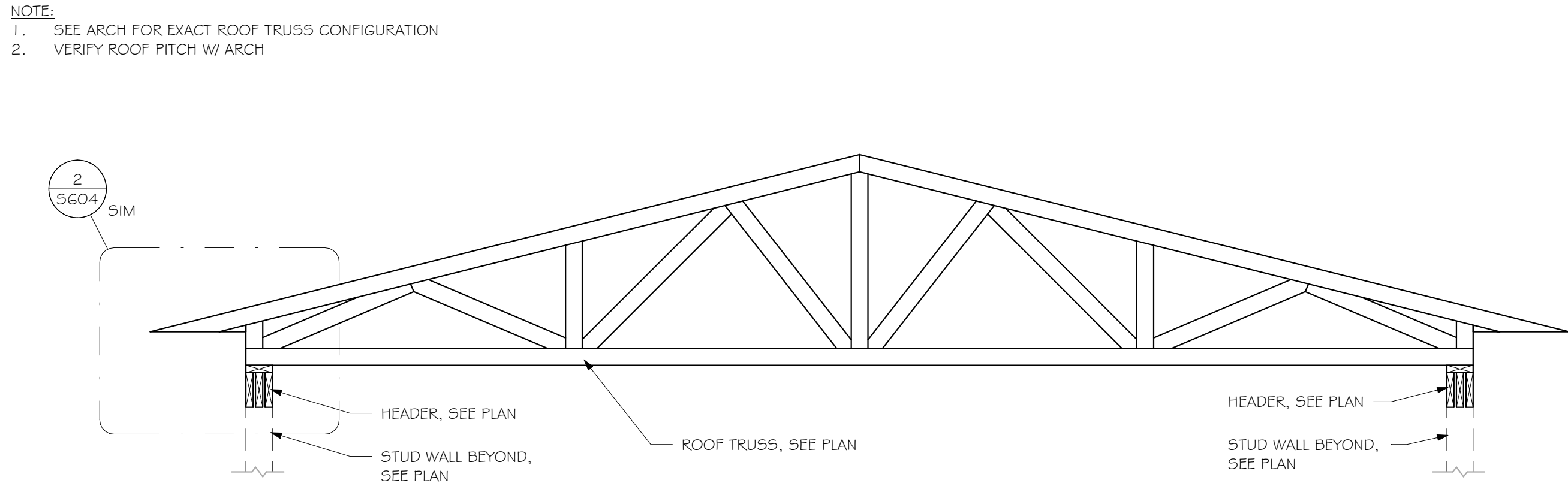
1 ROOF TRUSS TYP.  
SCALE: N.T.S.



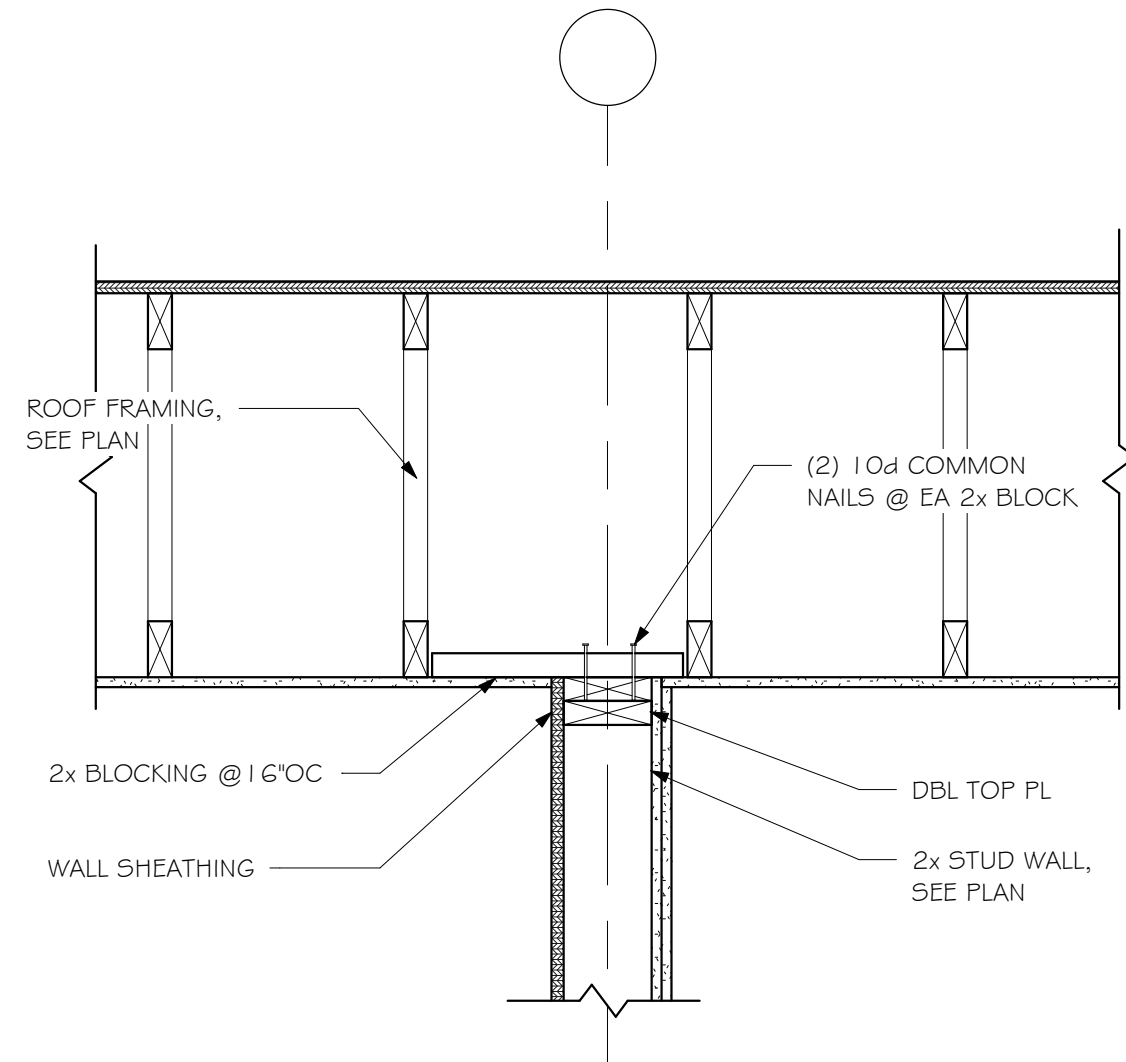
2 ROOF TRUSS @ EAVE  
SCALE: 1" = 1'-0"



3 ROOF TRUSS @ GABLE END  
SCALE: 1" = 1'-0"



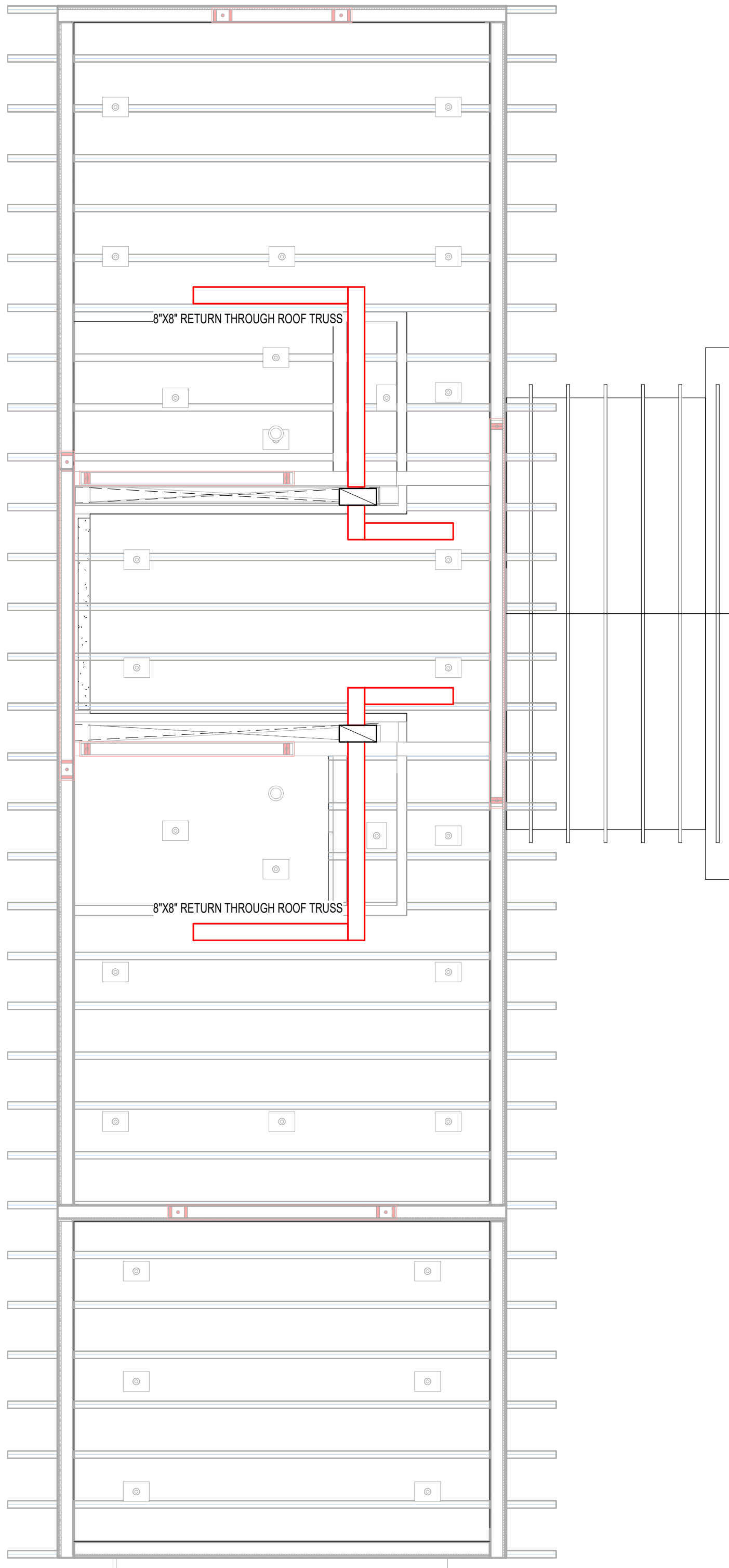
4 ROOF TRUSS AT FOYER AREA  
SCALE: N.T.S.



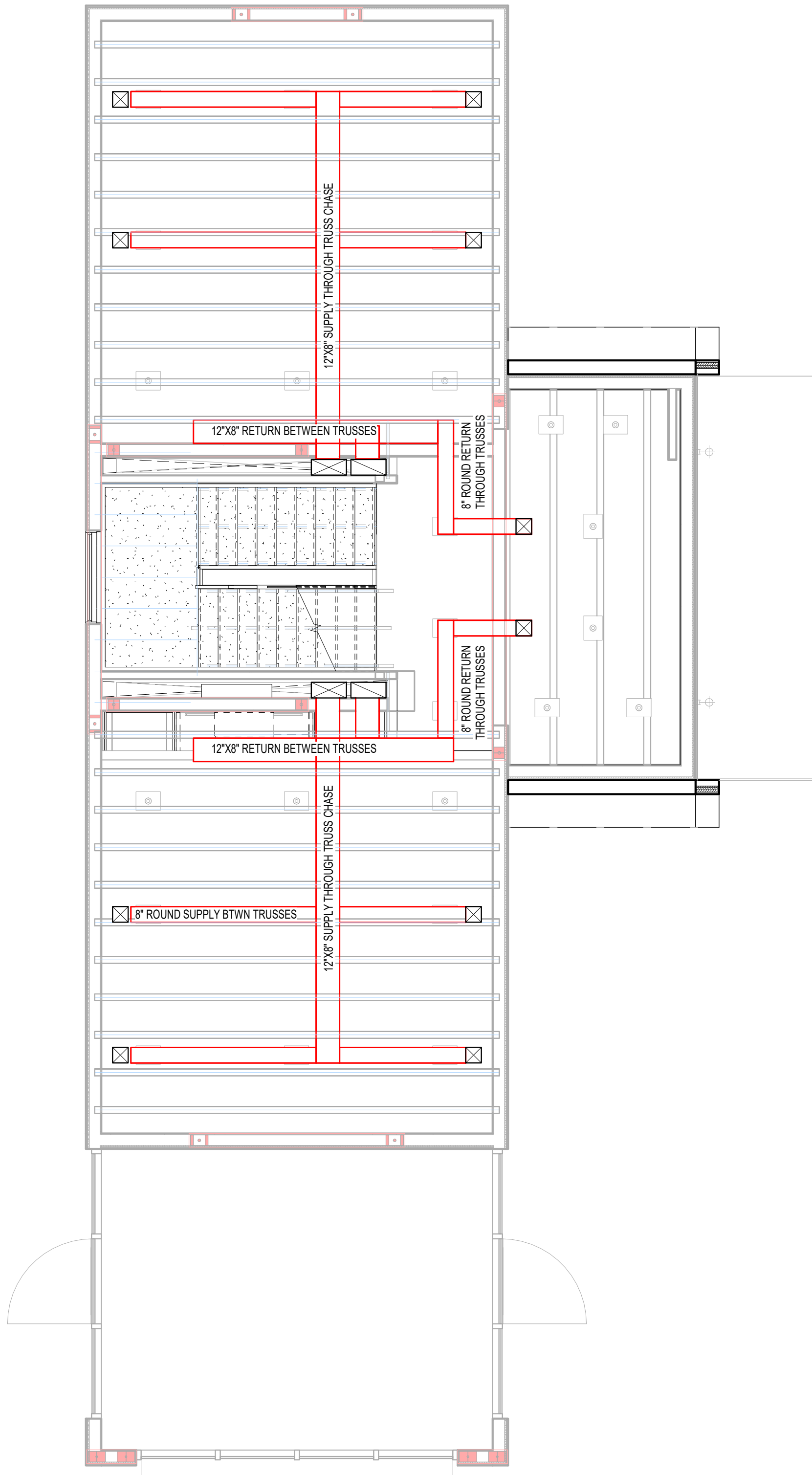
5 TOP OF WOOD WALL @ PARALLEL ROOF JOIST  
SCALE: 1" = 1'-0"



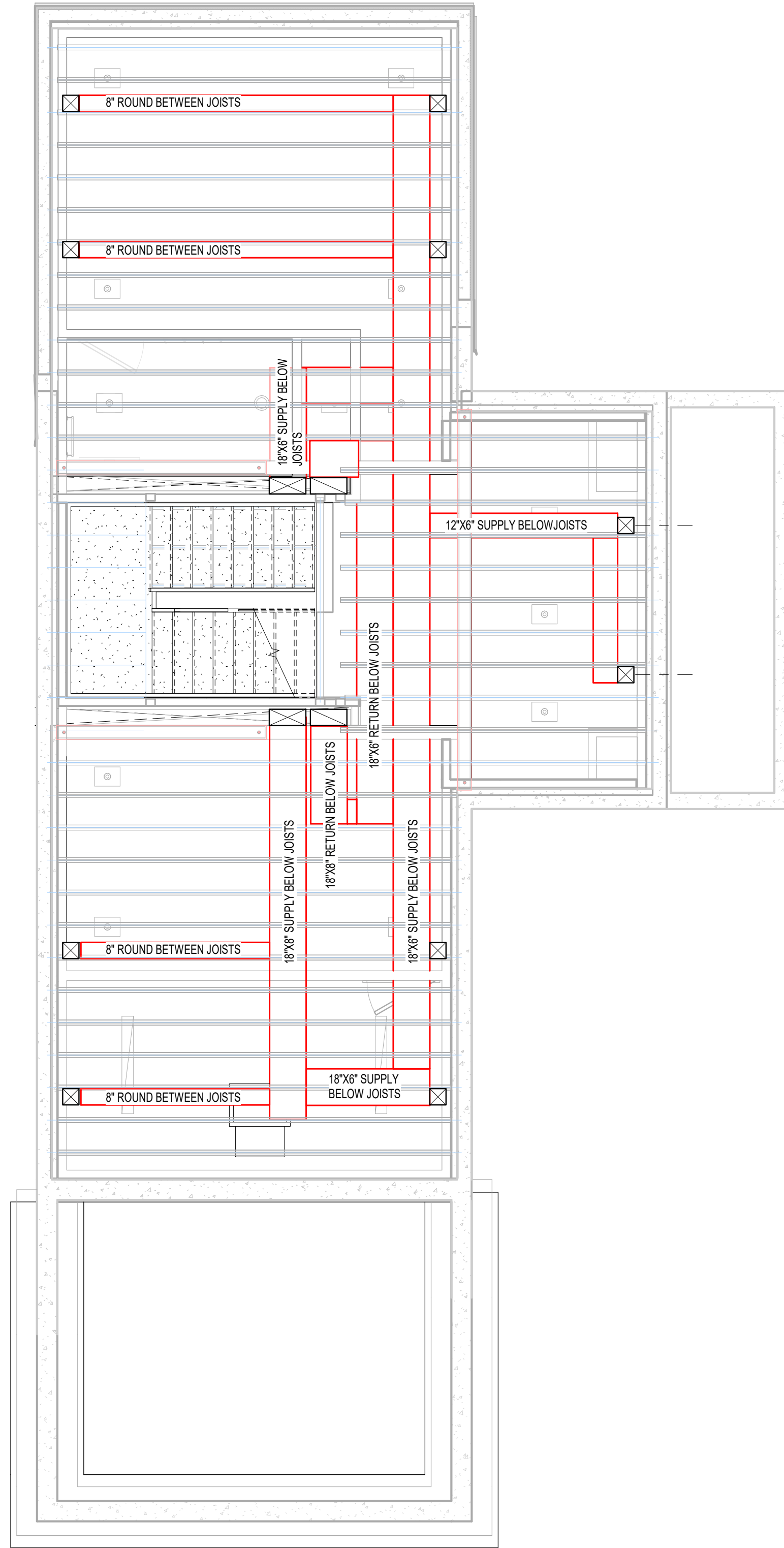
M:\Projects\2111 Wilson Residence\01 Drawings\02 Local\2111 Wilson Residence-LR.rvt



3 SECOND FLOOR - DUCT ROUTING  
1/4" = 1'-0"



2 FIRST FLOOR - DUCT ROUTING  
1/4" = 1'-0"



1 LOWER FLOOR - DUCT ROUTING  
1/4" = 1'-0"

BOOTH HANSEN

Architecture Interiors Planning  
333 South Des Plaines Street  
Chicago, Illinois 60661

| NO.                                             | DESCRIPTION | DATE |
|-------------------------------------------------|-------------|------|
| ISSUED FOR<br>CONSTRUCTION<br>NOVEMBER 19, 2021 |             |      |
| PROJECT NUMBER                                  | 2111        |      |

WILSON RESIDENCE

NEKOOSA, WI,  
SAND VALLEY, LOT 3

DUCT ROUTING DIAGRAMS

M100