ARCHITECTURAL ABBREVIATIONS & SYMBOL LEGEND

ABBREVIATIONS

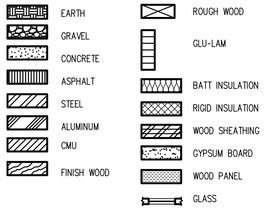
NOTE: SEE OTHER DRAWING DIVISIONS FOR ADDITIONAL ABBREVIATIONS.

&	AND
L	ANGLE
@	AT
#	NUMBER
AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADA	AMERICANS W/ DISABILITIES ACT
ADJ	ADJUSTABLE
AL	ALUMINUM
ANOD	ANODIZE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATC	ACOUSTICAL TILE CEILING
BSMT	BASEMENT
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
CB	CATCH BASIN
CI	CAST IRON
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
CPT	CARPET
CT	CERAMIC TILE
CJ	CONSTRUCTION JOINT
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
E	EAST
EL	ELEVATION
EXP JT	EXPANSION JOINT
ELEC	ELECTRICAL
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST or (E)	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FIN FLR	FINISHED FLOOR
FH	FIRE HYDRANT
FIN	FINISH(ED)
FLR	FLOOR
FDN	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FT	FOOT(FEET)
FTG	FOOTING
FURR	FURRED(ING)
GA	GAGE, GAUGE
GALV	GALVANIZED
GLU LAM	GLUE LAMINATED
GB or GWB	GYPSUM BOARD
HB	HOSE BIBB
HC	HANDICAPPED
HORZ	HORIZONTAL
HPL	HIGH PRESSURE LAMINATE
HVAC	HEATING, VENTILATING & AIR CONDITIONING
ID	INSIDE DIAMETER
IN	INCH(ES)
INSUL	INSULATION
INTR	INTERIOR
JAN	JANITOR
JT	JOINT
LAM	LAMINATE(D)
LAV	LAVATORY
LPL	LOW PRESSURE LAMINATE
LT	LIGHT
LVP	LUXARY VINYL PLANK
MACH	MACHINE
MAX	MAXIMUM
MECH	MECHANIC(AL)
MFG	MANUFACTURER(ING)
MIN	MINIMUM
MISC	MISCELLANEOUS
MACH	MACHINE
MAX	MAXIMUM
MECH	MECHANIC(AL)
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
MULL	MULLION
N	NORTH
(N)	NEW
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED-OWNER INSTALLED
ORD	OVERFLOW ROOF DRAIN
PL	PLATE
PEMB	PRE-ENGINEERED MTL BUILDING
P-LAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
R	RISER
RAD	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
REFR	REFRIGERATOR
REINF	REINFORCE(D)(ING)
REV	REVISION(S) or REVISED
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SC	SOLID CORE
SECT	SECTION
SHR	SHOWER
SHT	SHEET
SD	SOAP DISPENSER
SM	SHEET METAL
SPECS	SPECIFICATIONS
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SQ	SQUARE
SUSP CLG	SUSPENDED CEILING
SYMM	SYMMETRICAL
T	TREAD
TC	TOP OF CURB / CONCRETE
TEL	TELEPHONE
T&G	TONGUE AND GROOVE
TOA	TOP OF ASPHALT
TOP	TOP OF PLATE
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VR	VAPOR RETARDER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VT	VINYL TILE
W	WEST
W/	WITH
WC	WATERCLOSET
WD	WOOD
WHTR	WATER HEATER
W/O	WITHOUT
WP	WATERPROOF
WSCT	WAINSCOT
WRB	WATER RESISTANT BARRIER

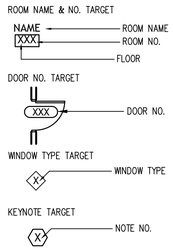
SYMBOLS

NOTE: SEE OTHER DRAWING DIVISIONS FOR ADDITIONAL SYMBOLS

MATERIALS



TARGETS



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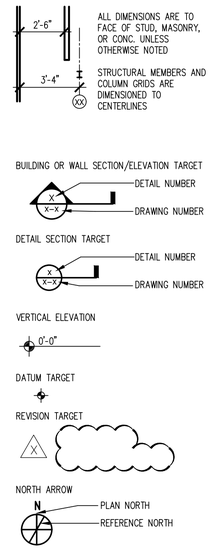


SPECIFICATIONS

00 GENERAL PROJECT REQUIREMENTS

1. All ideas, designs, arrangements and plans indicated by these drawings are property of the Architect and were created for use on and in connection with the specified project and no other. None of the ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm, or corporation for any purpose without the written permission of the Architect.
2. Contractors shall verify and be responsible for all dimensions and conditions on the job. If a discrepancy should exist between a small scale drawing and an enlarged drawing, enlarged drawing governs. Details govern over plans. Written dimensions on these drawings shall have precedence over scale dimensions. Architectural drawings govern over engineering drawings. If discrepancies exist, request written clarification from the Architect.
3. The Contractor is responsible for checking all contract documents, field conditions and dimensions for accuracy and coordination. If there are any questions regarding these or other coordination questions, the Contractor is responsible for obtaining a clarification from the Architect before proceeding with work.
4. As a warrantee, the contractor shall remedy any defects in the work and pay for any damage to other work resulting therefrom, which shall appear within a period of one year from the date of final payment.
5. Any damage to areas inside or outside of the project area caused by the Contractor shall be repaired to the status prior to construction at no cost to owner.
6. All primary and subcontractors shall visit the site and familiarize themselves with the existing building and site conditions, the proposed work and the location of surrounding utilities, topography, plants and structures which may impact the execution of this project.
7. All suppliers, primary, and subcontractors are responsible for field verifying as-built conditions prior to fabrication or assembly of building components. The general contractor shall be responsible for coordination between components produced by various suppliers, primary, and subcontractors.
8. The Architect is not responsible for safety on the job site. Job safety is the responsibility of the general contractor. Shoring and demolition are ultra hazardous activities. Design of shoring system shall be by the Contractor.
9. The Contractor shall comply with all building code requirements of the state or local authority having jurisdiction and shall obtain and pay for all required permits, fees, and inspections. Any permits required for plumbing, heating, or electrical, shall be paid by the respective subcontractor, but included in total cost of construction.
10. It is the Contractor's responsibility to keep the construction site neat and clear of excess debris as well as maintaining the adjacent public roads access the site clear of mud and construction materials.
11. Neither the final payment nor any provision in the contract documents nor partial or entire occupancy of the premises by the owner shall constitute an acceptance of work not done in accordance with the contract documents.
12. General conditions of the contract for construction shall be A.I.A. Document A201, current version, and shall be considered in its entirety to be a part of these specifications.
13. Whenever the contract, specifications, laws, ordinances, or public authority require any work to be specially inspected or approved, the Contractor shall give the governing authority timely notice of its readiness for inspection and of the date for inspection
14. The Architect's responsibility is limited to the items shown on the drawings. Obtain the Architect's specific approval prior to deviating from the drawings. Follow the best trade and engineering practices for the items not specifically detailed and indicated.
15. All changes or deviations from the contract, including those for extra or additional work, must be submitted in writing for approval of the Architect. No verbal orders will be recognized.
16. These notes and the drawings may refer to participants in this building project which may not correspond precisely with the terminology set forth in the contracts between the various participants in this project; therefore owner, leasor, developer or "other" refers to the same party unless otherwise specified; Contractor, builder refers to the same party unless otherwise specified; Architect, designer, interior designer, or engineer refers to the same party unless otherwise specified.

01 DEMOLITION

1. Field verify all existing conditions, locations, and dimensions prior to commencing with demolition work. Prior to demolition, the contractor shall conduct appropriate field surveys and testing to determine the nature of the existing work to be removed. Due to the nature of renovation work, conditions may occur in the field that are not fully represented in these drawings, and the general contractor is to notify the Architect if such conditions conflict with new work to be done.
2. The owner assumes no responsibility for the actual condition of structures to be demolished. Conditions existing at the time of inspection for bidding purposes will be maintained by the owner insofar as practical. However, variations within the structure may occur by owner's removal and salvage operations prior to the start of the demolition work.
3. The following activities shall take place only on days and time as approved by the owner:
   a. coring or saw cutting of floors or cmu/concrete walls.
   b. jack hammer work
   c. work in rooms or floors other than as shown on the drawings.
   d. interruption of power, water, data or other services to any part of the building.
4. Indication of new materials or equipment shall infer all removal or demolition and patching required of existing materials and substrates for proper installation of new work per industry standards.
5. At demolition areas, remove all materials completely leaving surfaces smooth and ready for new work. Saw cut where necessary. Use appropriate measures to assure clean, neat surfaces and to facilitate tie-ins for new work and refinishing existing work to remain. For wall elements and devices to remain in service on demolished walls, relocate to the nearest existing or new wall unless otherwise noted. Confirm location with Architect before proceeding.
6. The contractor shall repair and patch all interior surfaces which will be exposed, where deterioration, cracks, damage, dents, holes or any other damage has occurred. Match adjacent materials if not noted.
7. Where walls or ceilings are removed all adjacent surfaces including walls, floors, or ceilings, which will remain exposed or provide a thermal, fire, tenant separation or acoustical barrier are to be repaired or replaced to like new condition. Match existing if not specified. All penetrations thru walls, floors, and ceiling deck shall be grouted/firestopped around each penetrating element as required by the local code enforcement agency.
8. Contractor shall ensure that dust and debris is prevented from entering non-work areas. Compartmentalize with temporary barriers as required, providing dust-proof enclosures over equipment such as computer, telephone service gear, and alarm system panels during construction. Coordinate closure and access with the Owner's rep.
9. Reconnect/reroute or properly terminate existing utilities and services as required by new work. In demolition areas, removal of abandoned mechanical, electrical, and plumbing elements shall be to or below wall surface to allow specified new construction and finishes. Cap-off or terminate as required.
10. Each trade shall be responsible for cutting and patching in existing floors, walls and ceiling for their work where required by new construction. Before commencing with any cutting and patching, contractor shall have approval of the owner. The general contractor shall be ultimately responsible for all cutting, supporting, and patching, if not covered by a specific trade.
11. See site plan for extent of site demolition (pole lights, concrete walks, curbs, asphalt, etc.)
12. The general contractor shall be responsible for proper and timely disposal of all demolished materials. Provide proper waste receptacles and request approval on their location and use from the owner. Removal of debris shall be coordinated with the owner's representative with respect to transportation schedule and routing.
13. The contractor is to return salvageable materials (doors, frames, hardware, equipment, and lighting fixtures) to the owner and stockpile them in an approved construction area. Dispose of these materials after owner's review and approval, unless otherwise specified in the contract documents.

01 ARCHITECTURAL

1. All dimensions are to the face of stud, structural center lines, or to face of masonry or concrete, unless noted otherwise.
2. Do not scale the drawings. If there are any coordination questions or dimensional discrepancies, the contractor is responsible for obtaining a clarification from the architect prior to proceeding.
3. Verify all critical dimensions relating to the existing structure; existing dimensions were determined by visual survey and existing drawings.
4. Architectural dimensions take precedence over engineering drawings for electrical device location. If a conflict arises between the architectural and engineering drawings immediately consult the Architect.
5. "Align" as used in these documents shall mean to accurately locate faces in the same plane.

03 CONCRETE (Also see Structural Notes)

1. Form materials shall be contractor's choice and design responsibility, selected from standard products with sufficient strength to withstand hydrostatic head without distortion in excess of permitted tolerances and for easy removal without damage to concrete. Form facing for exposed surfaces shall be steel unless otherwise noted; release agents shall not adversely affect concrete or interfere with application of coatings. Do not remove bracing until the concrete has attained the specified compressive strength (F'c); for walls supporting soil loads, do not remove until after backfilling is complete.
2. Vapor retarder shall be minimum 6 mil polyethylene below slab. Lap all seams minimum 6" and tape edges and ends.
3. Gravel placed below slabs shall be crushed stone or other acceptable fill as approved by architect. Under no circumstances shall pea gravel or other smooth round stones be placed below slabs.
4. Joint filler shall be compressible asphalt mastic with felt faces, complying with ASTM D994, 1/4" thick and 4" deep.
5. Concrete finishing: Repair surface defects, including tie holes immediately after removing form-work. Rub down or chip off fins more than 1/4" tall. Saw cut joints 1/4 depth of slab spaced 30x slab thickness within 24 hours of placing.
   5.1. Steel trowel surfaces to be exposed, densified and polished. Use "Advanced Floor Products" or approved equal. This system is designated as CONC-1 in the finish schedule. Provide aggregate appearance Class-B (Fine aggregate) and polished concrete appearance Level 2 - Satin. Before performing the work, Contractor shall provide a mock-up 10' x 10' in area and using the same design as scheduled and with the same personnel that will place the finish concrete for the project. Obtain Owner's and Architect's approval before starting work on Project.
   5.2. Steel trowel surfaces to be left exposed and densified. Apply "Ashford Formula" densifier after slab has cured. Apply according to manufacturer's written instructions. This system is designated as CONC-2 in the finish schedule.
   5.3. Maintenance: provide Owner with maintenance instructions including methods and frequency recommendations. Include precautions against cleaning products and methods that may be detrimental to finishes and performance.
   5.4. Contractor to protect the concrete finish from spills and damage until construction is complete.
   5.5. Light broom finish all exterior walking surfaces unless otherwise noted; power floating is prohibited.
6. All footings are to bear on undisturbed soil or compacted engineered fill. Engineered fill beneath floor slabs and over footings should be compacted to a dry density of at least 95% of the standard proctor maximum dry density (ASTM D-698). This minimum compaction requirement should be increased to 100% for fill supporting footings. All compaction should be accomplished by placing the fill in 6" loose lifts and mechanically compacting each lift to at least the minimum specified dry density. Field density tests should be performed on each lift to ensure that adequate compaction is being achieved.
7. Foundations are designed for normal, stable soil with an assumed safe bearing pressure of 1,500psf unless otherwise noted on the structural drawings. Verify allowable soil bearing pressure at footing subgrade. Notify the Architect if saturated or other abnormal conditions.
8. All footing elevations are to bottom of footing and are referenced to finished floor elevation of 0'-0". Increase footing depths as required or directed by the Architect.
9. Anchor bolt tolerances are 1/8" center to center, 1/4" group to group. These tolerances must be maintained for steel to "fit." It is advised that the Contractor check his subcontractor's work prior to pouring piers or footings. Verify size & location of sleeves, openings, embedded items, etc. and ensure they are in place prior to pour.

06 WOOD (Also see Structural Notes)

1. Provide rough lumber and wood panels in standard dimensions with moisture content not more than 19%.
2. Select and cut material to exclude damaged, marked, or defective areas.
3. All wood in contact with the concrete or masonry shall be pressure treated material suitable for this application. All sill plates must be true and level upon installation. Grout solid below sill plates installed on an out-of-level foundation or irregular surface.
4. Provide all necessary hardware in sizes and quantities required by local code or approved by Architect.
5. Timber Connectors to be "Strong Tie" by Simpson Company, as specified in the latest catalog. Where connectors are in exposed exterior application, connectors shall be hot dipped galvanized (HDG) or zinc galvanized (Z-max) finish or as specified in drawings.
6. Refer to IBC Table 304.9.1 "Fastening Schedule" fort nailing requirements, except as noted on the drawings.
7. Space all exposed fasteners at equal intervals.
8. Make all cuts true and square for full bearing at structural joints. Connect all framing securely together with nails, spikes, screws, or approved framing connectors as noted. Install any additional connectors if required by the local building official.
9. Beams and headers shall be constructed according to the drawings. All plywood specified shall be continuous and unbroken for the entire length of the beam or header, and shall be glued and nailed to the other members.
10. Beams and headers shall have double wall studs under each bearing point. This solid bearing material shall be continuous from the beam or header down to the foundation. Solid bearing shall be for the full width of the beam and shall bear on the full width of the side wall or column below. See the column schedule and structural details and elevations of beams that require special or increased bearing.
11. Provide full height structural studs at all corners, around doors, around borrowed light frames and behind all wall mounted equipment and casework.
12. Plywood roof sheathing shall be installed with "H" clips at unsupported edges and the long side shall always run perpendicular to the framing members unless otherwise noted.
13. Draft stopping and fire stopping shall be installed as required by all local and state codes.
14. Provide molding as indicated, required, or implied for joint and edge connection and concealment. Coordinate locations with fixture contractor and Architect.
15. Use finish or casing nails for exposed work except for where screws are specifically called for, and type "S" trim head screws for attachment of wood trim to metal studs. Space screws at equal intervals, sink, and putty in wood surfaces.
16. Use adhesives recommended by the manufacture for a particular application, in accordance with that manufacturer's most current printed application instructions.
17. Install material with tight joints.
18. Miter casings and moldings.
19. Match grain and color from piece to piece on running trim, use one piece for lengths 10'-0" or less.
20. Relieve backs of wood trim and kerf backs of members more than 5" wide and 1" nominal thickness. Ease all external corners. Ease all exposed wood edges 1/8" min. radius.
21. Finish exposed surfaces smooth and free from tool and machine marks.
22. Replace damaged surfaces for blending and concealment with adjacent pattern, grain, or finish. Remove excess adhesive and clean surfaces as recommended by manufacturer.

07.2 STANDING SEAM METAL ROOFING

1. Provide 24 gauge standing seam metal roofing "NRM-1705" by Nu-Ray Metals. Provide Premium D2 Kynar Ocean Guard coating, color to be selected by owner
2. Install in accordance with manufacturer's most current printed application instructions.
3. Provide all flashing necessary for a complete installation including: eave flashing, ridge flashing and gable flashing
4. Finish installation to be smooth and free from tool and machine marks. Use Manufacturer's approved touch up paint.
5. Replace damaged surfaces for blending and concealment with adjacent pattern, grain, or finish. Remove excess adhesive and clean surfaces as recommended by manufacturer.
6. Provide 50 commercial year warranty.

Shop Extension for:
Woodland Public Works
38404 Lakeshore Dr,
Woodland WA 98674

DRAWING INDEX

SUBMITTALS

SHOP DRAWINGS AND PRODUCT SUBMITTALS

Provide the following shop drawings and/or product submittals to the Architect for review, as well as any others as indicated. Allow ten (10) business days for processing.

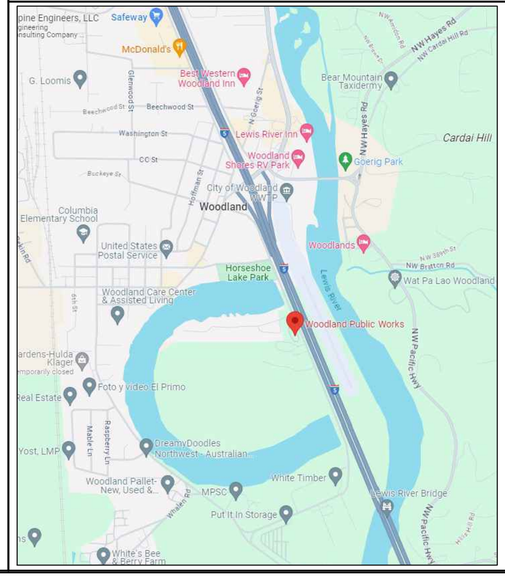
- Any products that are a substitution for those shown on the drawings

DEFERRED SUBMITTALS

Provide the following deferred submittals for Architect's review prior to submittal to the Authority Having Jurisdiction. Deferred submittals are designs prepared by others. Designs shall meet or exceed minimum code requirements and conform to the general design intent expressed in these construction documents.

- Wood roof trusses

VICINITY MAP



BRITTELL ARCHITECTURE, INC.
LONGVIEW, WA
NEWBERG, OR
WWW.BRITTELLARCH.COM

Shop Extension for:
Woodland Public Works
38404 Lakeshore Dr, Woodland WA 98674

MRK	DATE	DESCRIPTION
0	11-30-23	ISSUE FOR PERMIT/BID

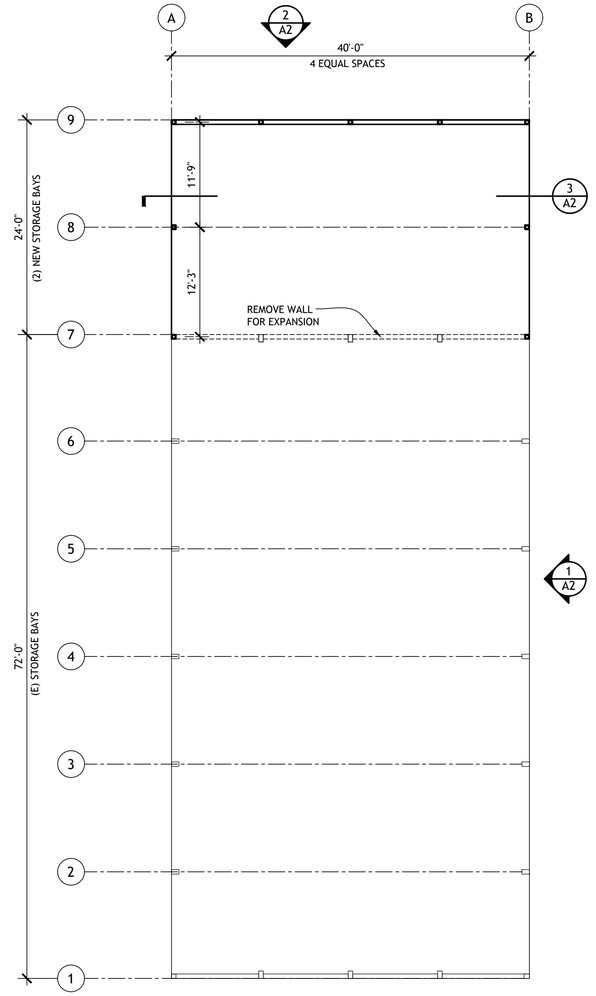
JOB NUMBER: 2330b

SHEET: G1

COVER SHEET

7640 REGISTERED ARCHITECT DAVID BRITTELL STATE OF WASHINGTON

N 2/A1 **SITE PLAN**
1" = 20'



N 1/A1 **FLOOR PLAN**
1/8" = 1'-0"

LEGEND:
- STEEL COLUMNS - SEE STRUCT
- STRUCTURE TO BE REMOVED
- (E) STRUCTURE TO REMAIN

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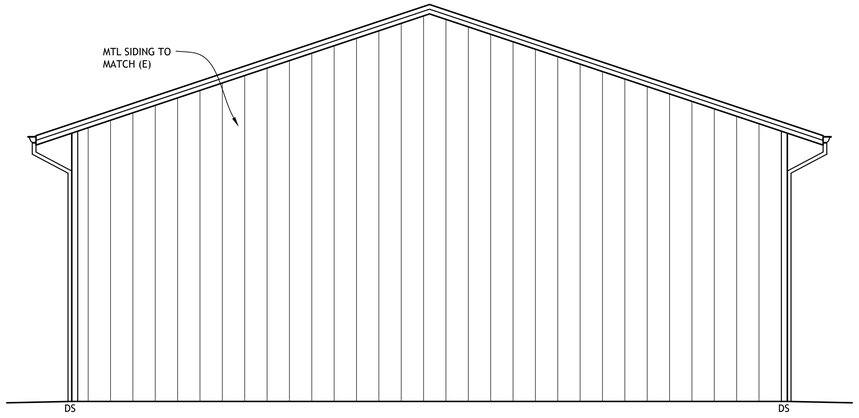
7640 REGISTERED ARCHITECT
DAVID BRITTELL
STATE OF WASHINGTON

MRK	DATE	DESCRIPTION
0	11-30-23	ISSUE FOR PERMIT/BID

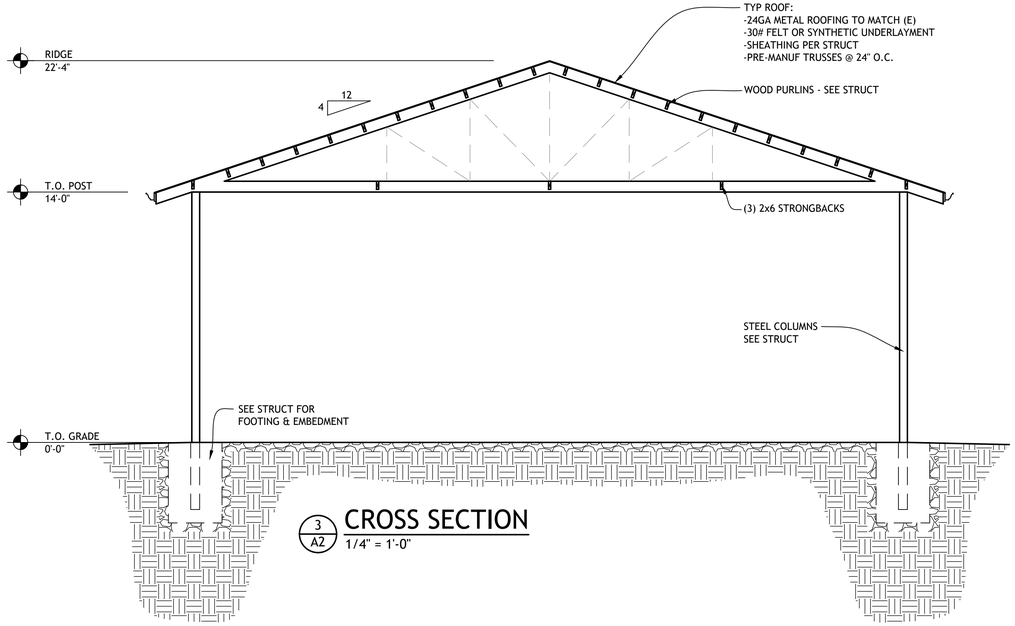
JOB NUMBER: 2330b

SHEET: A1

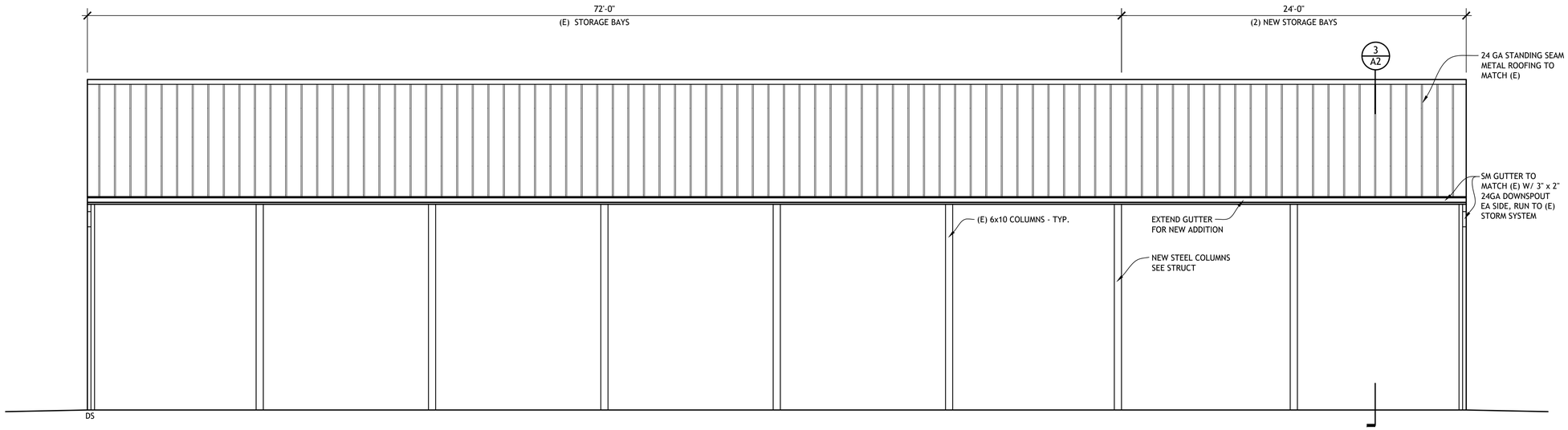
SITE & FLOOR PLAN



2 / A2 SOUTH ELEVATION
1/4" = 1'-0"



3 / A2 CROSS SECTION
1/4" = 1'-0"



1 / A2 EAST ELEVATION
1/4" = 1'-0"

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7640 REGISTERED ARCHITECT
DAVID BRITTELL
STATE OF WASHINGTON

MRK	DATE	DESCRIPTION
0	11-30-23	ISSUE FOR PERMIT/BID

JOB NUMBER:
2330b

SHEET:
A2

ELEVATIONS & SECTION

STRUCTURAL GENERAL NOTES

GENERAL REQUIREMENTS

1. *All work shall conform to IBC (2018) including its referenced standards.*

2. *Where details are not specifically shown, construction shall follow typical details for similar conditions, subject to review by the Architect or Engineer.*

3. *Architectural drawings are the prime contract documents. Refer to the Architectural drawings for information including but not limited to: dimensions, elevations, slopes, door and window openings, non-bearing walls, curtain walls, stairs, elevators, curbs, drains, depressions, railings, waterproofing, finishes and other nonstructural items. These structural drawings may not contain details of all the construction, depending on the scope of work for which the Engineer was engaged.*

4. *The Contractor is responsible for adequate bracing of the structure and parts thereof for wind, earthquake and construction forces until all structural components are permanently connected. The Contractor shall be responsible for formwork design and shoring removal schedules.*

5. *The Contractor shall verify all dimensions and conditions at the site. Conflicts between the drawings and actual site conditions shall be brought to the attention of the Architect/Engineer before proceeding with the work. In case of discrepancies between the General Notes, plans, and details, the Architect/Engineer shall determine which shall govern. Discrepancies shall be brought to the attention of the Architect/Engineer before proceeding with the work.*

6. *The Contractor shall determine the location of all adjacent underground utilities prior to earthwork, foundations, shoring, and excavation.*

7. *Alternatives for specified items may be submitted to the Architect/Engineer for review.*

DESIGN LOADS

WIND: *Basic Wind Speed: 110 MPH (Strength Level),*
Risk Category II
Topographic Factor Kzt = 1.0
GCpi = 0.18 Open (Transverse)
Partially Enclosed (Longit)
Exposure: C
Analysis procedure used: Directional Procedure
Wind Base Shear = 0.4 kips (Per Column)

SEISMIC: *Seismic Importance Factor: I_e = 1.0*
Spectral Response Coefficient (Short Period): S_{DS} = 0.76
Seismic Design Category = D
Site Class = D
Response Modification Factor: R = 2.5 (Special Steel Cantilevered Column System)

Analysis procedure used: Equivalent Lateral Force Analysis
Seismic Base Shear = 1.03 kips (Per Column)

DESIGN GRAVITY LOADS:	*Roof dead load*	*12.5 psf (Metal Roof)*
	Flat Roof Snow Load	*25 psf*
ROOF DESIGN LOADS	*Top chord dead load*	*6 psf*
	Bottom chord dead load	*6.5 psf*

SUBMITTALS

1. *Submit shop drawings to the architect prior to fabrication and construction regarding all structural items, including the following:*

   - *Concrete mix designs*
   - *Concrete reinforcement*
   - *Structural steel*

2. *Shop drawings that differ from or add to the design of the Structural drawings shall bear the seal and signature of a Structural Engineer registered in the state of Washington; such changes to the Structural drawings shall be submitted to the Architect and are subject to review and approval by the Structural Engineer.*

SOILS AND FOUNDATIONS

1. *Foundations are proportioned for a maximum vertical bearing pressure of 1500 psf and a lateral bearing pressure of 150psf.*

2. *Footings shall be constructed on undisturbed soil. Frozen soil, organic material and deleterious matter not allowed. Any over excavation shall be backfilled with granular material compacted to 95% of the ASTM D-1557 (modified proctor) maximum dry density.*

CAST-IN-PLACE CONCRETE

1. *Concrete shall be normal-weight unless specified otherwise on the drawings.*

TABLE OF MIX DESIGN REQUIREMENTS					
MEMBER TYPE/LOCATION	*STRENGTH (psi)*	*TEST AGE (days)*	*MAXIMUM AGGREGATE*	*MAXIMUM W/C RATIO*	*AIR CONTENT*
FOUNDATIONS					
Foundations (Designed for 2500 psf)	*3000*	*28*	*1"*	*--*	*5%*

2. *When pouring concrete in "cold" weather, follow ACI 306R.*
3. *When pouring Concrete in "Hot" weather, follow ACI 305R.*

CONCRETE REINFORCEMENT

1. *Concrete reinforcement shall comply with the following:*

   Reinforcing Bars *ASTM A615, Grade 60, deformed bars.*

2. *Bars shall not be welded unless authorized. When authorized, conform to ACI 301, Sec. 3.2.2.2. "Welding" and provide ASTM A706, grade 60 reinforcement.*

3. *Reinforcing shall conform to the following cover requirements unless specifically shown otherwise on the drawings:*

   Concrete cast against earth *3"*
   Concrete exposed to earth or weather *1-1/2" (#5 bars and smaller)*
   2" *(#6 bars and larger)*

4. *All rebar shall be fabricated and placed in accordance with ACI Detailing Manual 315.*

STEEL MEMBERS AND CONNECTORS

1. *Steel Members: All steel shall conform to the following specifications unless otherwise noted:*

   Channels, Angles, Plates, and Bars: *ASTM A36, Fy = 36 ksi*
   Square & Rectangular HSS: *ASTM A500, Grade B, Fy = 46 ksi*

2. *Bolts: Bolts shall conform ASTM A307 Machine Bolts (MB) unless noted as ASTM A325 High Strength Bolts (HSB) in the plans/details. Bolts shall be installed "snug tight" being defined as the tightness after a few impacts with an impact wrench or after the full effort of one worker with an ordinary spud wrench, with all parts of the connection in firm contact. A325 bolts that are part of the Seismic Lateral Force resisting System (SFRS) shall be pre-tensioned in accordance with the American Institute of Steel Construction (AISC) 360-10 table J3.1.*

3. *Headed Anchor Stud (HAS): ASTM A108-69T, Fy = 50 ksi, end welded per manufacturer's recommendations.*

4. *Threaded Welded Studs (TWS): ASTM A108, Fy = 60 ksi, end welded per manufacturer's recommendations.*

5. *Welding: Reference AWS D1.1 for proper welding procedures and filler metal compatibility. Welding electrodes and wires shall have a minimum Fy = 70 ksi.*

6. *Fabrication and Erection: Fabrication and erection shall conform to AISC "Specifications for Design, Fabrication and Erection of Structural Steel for Buildings". Welding shall conform to AWS "Code for Arc and Gas Welding in Building Construction". All welding shall be performed by State certified welders whose certification meets AWS Standards in an approved fabrication shop or where Special Inspection is provided. See Special Inspection requirements.*

7. *Columns: All beams to be from unspliced lengths unless noted otherwise on the drawings.*

8. *Holes: All members to have "Standard" size holes d+1/16" where d equals the bolt diameter except "Oversize" holes d+1/8" may be used for anchor bolts unless noted otherwise.*

9. *Shop Drawings: Submit shop drawings showing sizes, dimensions and required connection details for review by the Architect and Structural Engineer prior to fabricati*

WOOD FRAMING

1. *Certification: All sawn lumber and pre-manufactured wood products shall be identified by the grade mark or a certificate of inspection issued by the certifying agency.*

2. *Materials Sawn Lumber: Conform to grading rules of WWPA, WCLIB or NLGA. Finger jointed studs are acceptable at interior walls only.*

MEMBER USE	*SIZE*	*SPECIES*	*GRADE*
Posts	*4x4, 4x6, 4x8*	*DF*	*No. 2*
Joists	*2x6 - 2x12*	*DF*	*No. 2*
Beams	*4x8 - 4x12*	*DF*	*No. 2*
Beams	*6x8 - 6x12*	*DF*	*No. 1*

3. *Structural Sheathing: Wood APA-rated structural sheathing includes: all veneer plywood, oriented strand board, waferboard, particleboard, and composites of veneer and wood based material with T&G joint.*

Minimum APA Rating						
LOCATION	*THICKNESS (3)*	*SPAN RATING (1)*	*PLYWOOD GRADE*	*EXPOSURE*	*EDGE NAILING (2)*	*FIELD NAILING (2)*
Roof	*23/32" CDX*	*48/24*	*C-D*	*1*	*8 @ 6"*	*8d @ 12"*

(1) Unless noted otherwise on drawings, install roof and floor panels with long dimension across supports and with panel continuous over two or more spans. End joints shall occur over supports.
(2) Provide minimum sheathing edge nailing unless noted otherwise in the plans or structural schedules.
(3) CDX or OSB may be used interchangeably provided equivalent span ratings are achieved.

4. *Timber Connectors: Timber connectors shall be "Strong Tie" by Simpson Company as specified in their latest catalog. Alternate connectors by other manufacturers may be substituted subject to review by the Engineer prior to installation. Connectors shall be installed per the manufacturer's instructions. Where straps are used as hold-downs, nail straps to wood framing just prior to drywall application, as late as possible in the framing process to allow the wood to shrink and the building to settle. Premature nailing of the strap may lead to strap buckling and potential finish damage. Where connectors are in exposed exterior applications in contact with preservative treated wood (PT) other than CCA, connectors shall be either batch hot-dipped galvanized (HDG), mechanically galvanized (ASTM B695, Class 40 or greater) stainless steel, or provided with 1.85 oz/sf of zinc galvanizing equal to or better than Simpson ZMAX finish.*

5. *Fasteners: Fasteners (nails, bolts, screws, etc) attaching sawn timber members or sheathing (shear walls) to PT wood shall be either HDG, mechanically galvanized (ASTM B695, Class 40 or greater) or stainless steel. Provide washers under the heads and nuts of all bolts and lag screws bearing on wood. All nails 12d and smaller shall be full length common unless noted otherwise. 16d nails may be 16d sinkers unless noted otherwise.*

6. *Nails: Conform to IBC Sec 2304.9 "Connections and fasteners." Unless noted otherwise all nails shall be common. Nail sizes specified on the drawings are based on the following specifications:*

SIZE	*LENGTH*	*DIAMETER*
8d	*2- 3/8"*	*.131" ø*
10d	*3"*	*.148" ø*
12d	*3 1/4"*	*.148" ø*
16d	*3 1/2"*	*.162" ø*

Alternative nails may be used but are subject to review and approval by the Engineer. Substitution of staples for the nailing of rated sheathing is subject to review by the Engineer prior to construction.

7. *Nailing requirements: Provide minimum nailing in accordance with IBC Table 2304.9.1 "Fastening Schedule" except as noted on the drawings. Nailing for roof/floor diaphragms/shear walls shall be per drawings. Nails shall be driven flush and shall not fracture the surface of sheathing.*

8. *Unless noted on the plans, construction shall conform to IBC Sec. 2308 "Conventional Light-Frame Construction."*

ABBREVIATIONS	*DEFINITION*
AB	*ANCHOR BOLT*
ADDL	*ADDITIONAL*
ALT	*ALTERNATE*
ARCH	*ARCHITECTURAL*
B or BOT	*BOTTOM*
B/	*BOTTOM OF*
BTWN	*BETWEEN*
BLDG	*BUILDING*
BLKG	*BLOCKING*
℄	*CENTERLINE*
CLR	*CLEAR*
COL	*COLUMN*
CONC	*CONCRETE*
CONN	*CONNECTION*
CONST	*CONSTRUCTION*
CONT	*CONTINUOUS*
C'SINK	*COUNTERSINK*
CTRD	*CENTERED*
ø	*DIAMETER*
DBL	*DOUBLE*
DF	*DOUGLAS FIR*
DL	*DEAD LOAD*
DN	*DOWN*
DP	*DEPTH or DEEP*
DWG	*DRAWING*
EA	*EACH*
EL	*ELEVATION*
EMBED	*EMBEDMENT*
EQ	*EQUAL*
EW	*EACH WAY*
(E)	*EXISTING*
FDN	*FOUNDATION*
FLR	*FLOOR*
FTG	*FOOTING*
GLB	*GLUE LAMINATED BEAM*
HDR	*HEADER*
HF	*HEM-FIR*
HGR	*HANGER*
HD	*HOLD-DOWN*

ABBREVIATIONS	*DEFINITION*
HORIZ	*HORIZONTAL*
IBC	*INTERNATIONAL BUILDING CODE*
LL	*LIVE LOAD*
LONGIT	*LONGITUDINAL*
LSL	*LAMINATED STRAND LUMBER*
LVL	*LAMINATED VENEER LUMBER*
MAX	*MAXIMUM*
MFR	*MANUFACTURER*
MIN	*MINIMUM*
MISC	*MISCELLANEOUS*
MULT	*MULTIPLE*
NTS	*NOT TO SCALE*
OC	*ON CENTER*
PERP	*PERPENDICULAR*
PLWD	*PLYWOOD*
PSF	*POUNDS per SQUARE FOOT*
PSI	*POUNDS per SQUARE INCH*
PSL	*PARALLEL STRAND LUMBER*
PT	*PRESSURE TREATED*
REINF	*REINFORCING*
REQ'D	*REQUIRED*
SCHED	*SCHEDULE*
SHTHG	*SHEATHING*
SIM	*SIMILAR*
SOG	*SLAB ON GRADE*
SQ	*SQUARE*
STAGG	*STAGGER or STAGGERED*
STD	*STANDARD*
STL	*STEEL*
T&G	*TONGUE & GROOVE*
TYP	*TYPICAL*
UNO	*UNLESS NOTED OTHERWISE*
VERT	*VERTICAL*
W	*WIDE*
W/	*WITH*
W/O	*WITHOUT*
WWF	*WELDED WIRE FABRIC*
±	*PLUS or MINUS*

INDEX

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38404 Lakeshore Dr, Woodland WA 98674

11.30.2023

MRK	DATE	DESCRIPTION
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JOB NUMBER: 2330b

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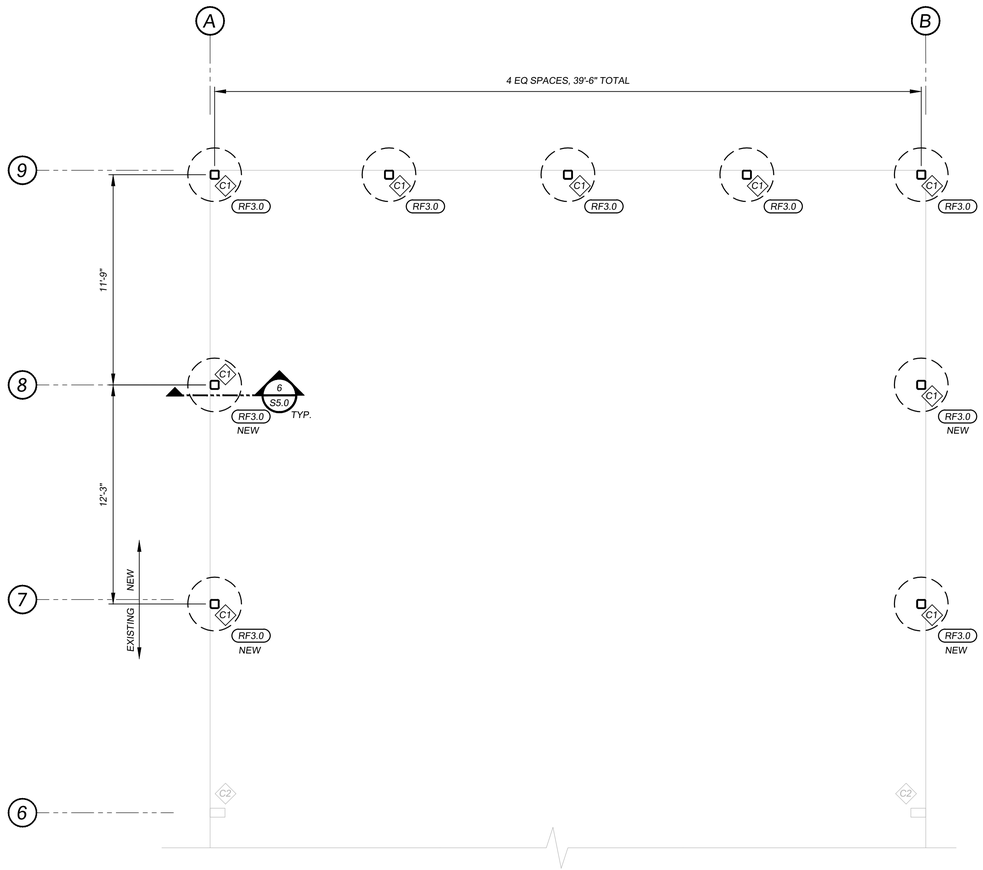
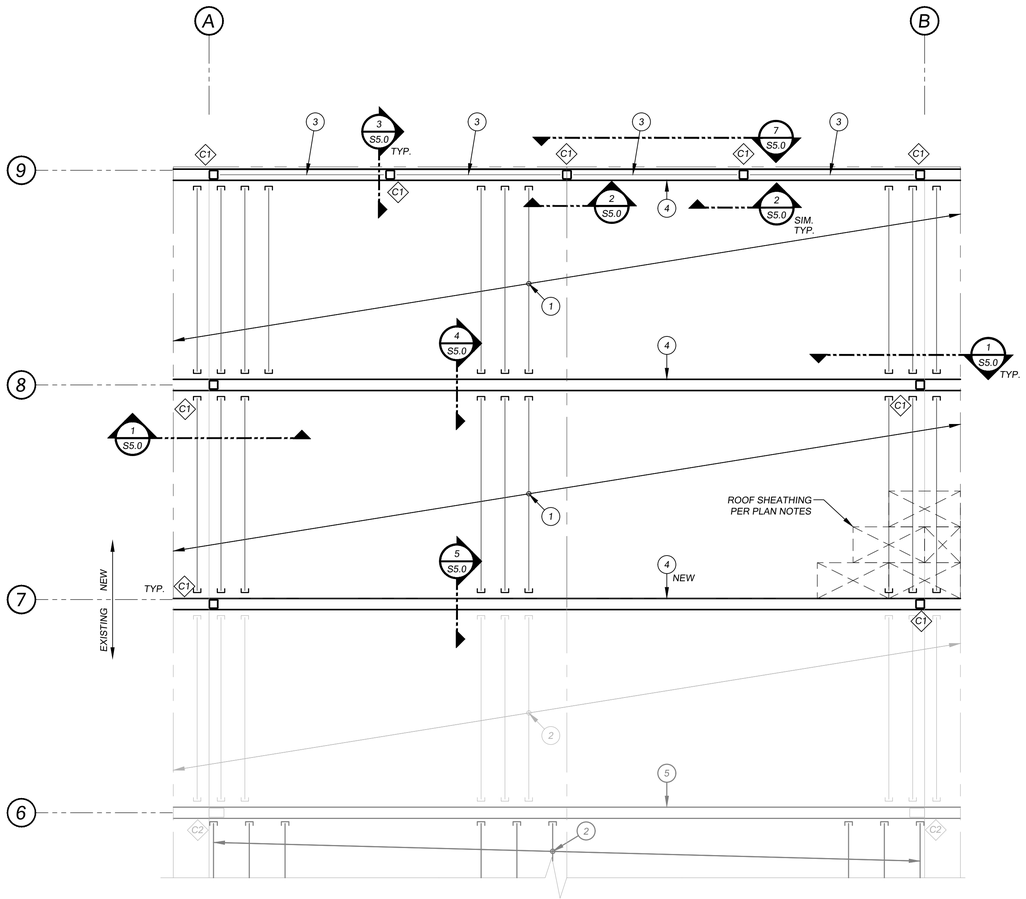


NORTH

FOUNDATION PLAN

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



NORTH

ROOF FRAMING PLAN

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

FOUNDATION PLAN NOTES:

1. FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA AND SCHEDULES REFERENCE S1.0 AND S5.0.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
3. CONTRACTOR TO VERIFY TOP OF CONCRETE (T/CONC) WALL ELEVATIONS PRIOR TO POURING CONCRETE.
4. ALL FOOTINGS AND SLABS SHALL BEAR ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL WITH A MINIMUM SOIL PRESSURE OF 1500 psf.
5. ALL WOOD EXPOSED TO CONCRETE, WEATHER, OR WITHIN 8" OF FINISHED GRADE SHALL BE PRESSURE-TREATED.

KEY NOTES:

1. 2 x 8 PURLINS @ 16" OC w/ LU28 HANGERS
2. EXISTING 2 x 6 PURLINS @ 24" OC, ADD LUS26 AT NEW TRUSS TYP
3. 2 x 6 FLATWISE GIRTS @ 24" OC
4. PRE-MANUFACTURED DOUBLE TRUSS @ 12"-0" OC BY OTHERS
5. EXISTING PRE-MANUFACTURED TRUSS

ROOF FRAMING PLAN NOTES:

1. FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND, REFERENCE S1.0 AND S5.0.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
3. ROOF SHEATHING SHALL BE 15/32" APA-RATED SHEATHING WITH A MINIMUM 32/16 SPAN RATING. SHEATHING SHALL BE NAILED TO ROOF FRAMING WITH 8d NAILS @ 6"OC AT PANEL EDGES AND @ 12"OC FIELD, UNO. LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES. BLOCK AND NAIL PANEL EDGES PER SCHEDULE. PROVIDE PANEL SHEATHING CLIPS CENTERED BETWEEN FRAMING AT UNBLOCKED SHEATHING EDGES AS REQUIRED BY ROOFING WARRANTY.
4. ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING CRITERIA:
   - •• ROOF PLAN SHOWN IS ASSUMED TO BE THE FINAL LAYOUT. IF THE ACTUAL TRUSS LAYOUT DIFFERS FROM THAT SHOWN ON THIS PLAN, THE ENGINEER OF RECORD SHALL BE NOTIFIED PRIOR TO THE ERECTION OF THE TRUSSES.
   - •• FOR STANDARD DEAD AND LIVE LOADS AND SUBMITTAL INFORMATION, REFERENCE THE STRUCTURAL GENERAL NOTES.
   - •• TRUSS MANUFACTURER TO PROVIDE BRACING FOR WIND UPLIFT

FOOTING SCHEDULE

MARK F#.#	DIMENSIONS		VERTICAL REINFORCING	HOOPS
	DIAMETER	DEPTH		
RF3.0	3'-0"	4'-6"	(6)-#4	PER DETAIL

COLUMN SCHEDULE

COLUMN MARK C#.	COL. TYPE
C1	HSS 6x6x1/2
C2	EXISTING 6x10 POST

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11.30.2023

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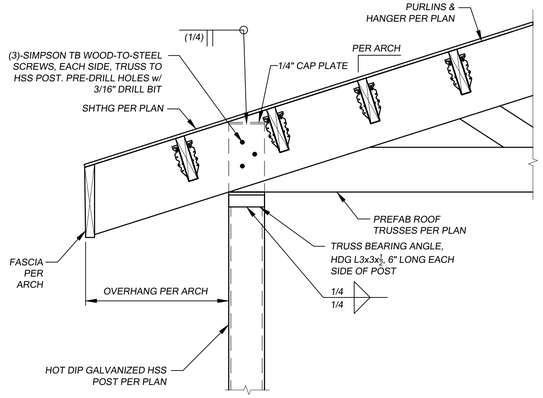
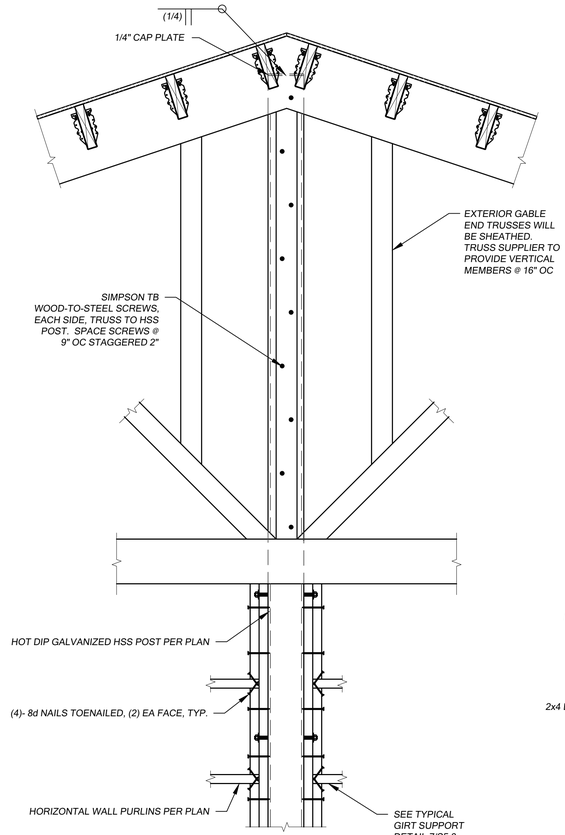
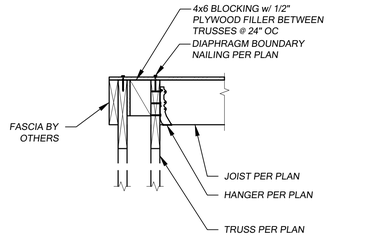


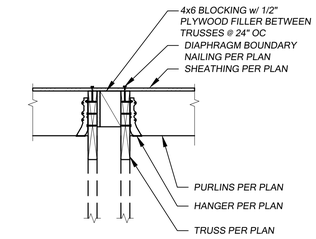
1 TRUSS TO POST FRAMING
SCALE: 1"=1'-0"



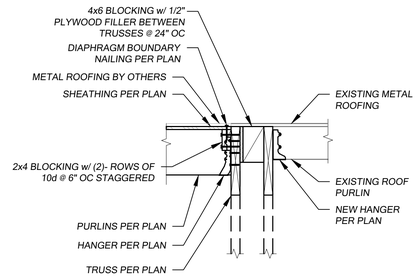
2 COLUMN AT GABLE
SCALE: 1"=1'-0"



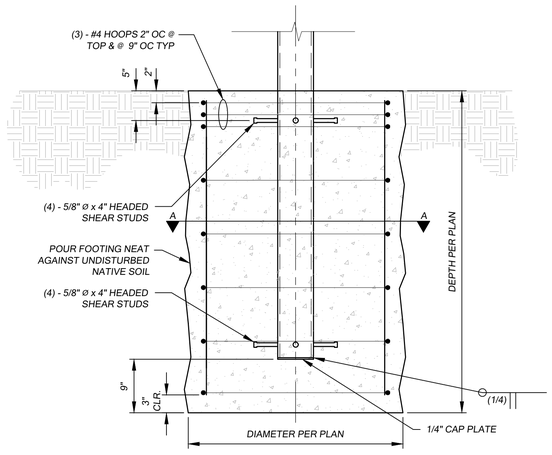
3 FRAMING SECTION @ GABLE END
SCALE: 1"=1'-0"



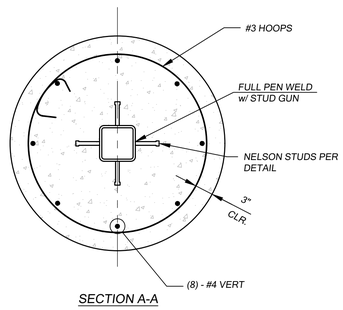
4 INT. DOUBLE TRUSS FRAMING SECTION
SCALE: 1"=1'-0"



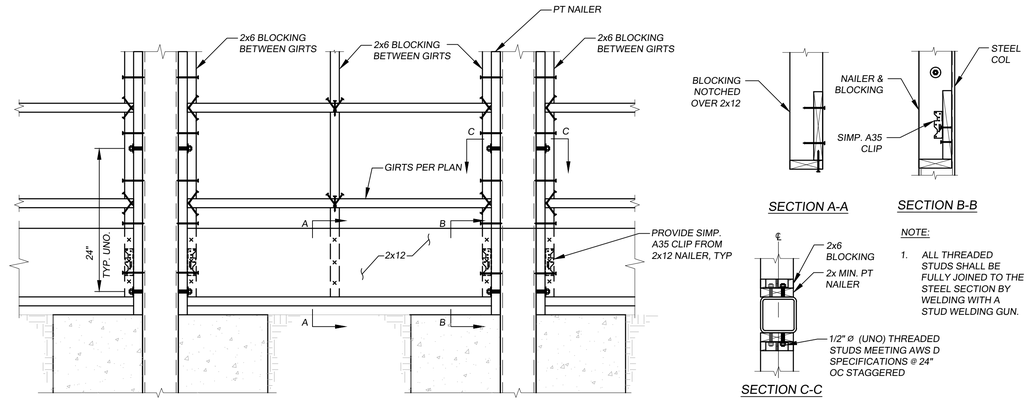
5 NEW TO EXISTING ROOF INTERFACE
SCALE: 1"=1'-0"



6 TYPICAL EMBEDDED STEEL COLUMN FOUNDATION
SCALE: 1"=1'-0"



SECTION A-A



NOTE:

1. ALL THREADED STUDS SHALL BE FULLY JOINED TO THE STEEL SECTION BY WELDING WITH A STUD WELDING GUN.

7 TYPICAL GIRT SUPPORT
SCALE: 1"=1'-0"

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