SITE INFORMATION:

**JURISDICTION:** LEWIS COUNTY

**PROPERTY ID:** 0371000001

**LAYOUT DESCRIPTION:** Section 17 Township 3W Range 2E W/S.

**SITE AREA:** 1.4 AC

**USU:** COMMERCIAL/RETAIL

**SEWER DISTRICT:** REQUIRED NEW SEPTIC SYSTEM

**WATER DISTRICT:**

**PROJECT SUMMARY:**

A 1 STORY PUBLIC LIBRARY PROPOSED BUILDING WILL BE UNDER 50 OCCUPANTS, 2400 SF BUILDING SIZE WITH THE CLOSET FLOOR PLAN REQUIRED. Set OF DRAWINGS ARE A COLLECTION OF DRAWINGS FOR BUILDING, EQUIPMENT AND SYSTEMS. DRAWINGS DO NOT CONTAIN TO THE BUILDING AUTHORITY'S / JURISDICTION WITH NOTATION INDICATING THAT THE DEFERRED SUBMITTAL TO THE BUILDING AUTHORITY FOR CONSTRUCTION WITH THE BUILDING AUTHORITY.
### GENERAL NOTES

The recipient of this document is responsible for ensuring compliance with all requirements stated herein.

### BID SET

**JAPC-22**

**TIMBERLAND REGIONAL LIBRARY DIST.**

10111 US HIGHWAY 12
RANDLE, WA 98377

12/27/2023

### MOUNTAIN VIEW LIBRARY

**NOTES**

**LEGEND AND ABBREVIATIONS**

**C001**

### SITE PLAN LEGEND

#### ABBREVIATIONS

- **A** Access
- **B** Street
- **C** Storm Drain
- **D** Storm Grinder
- **E** Concrete Curb
- **F** Concrete Dressing
- **G** Water Main and Sewer
- **I** Fire Main
- **M** Manhole
- **N** Drain
- **P** Pipe
- **R** Road
- **S** Sidewalk
- **T** Street
- **U** Utility
- **V** Valve
- **W** Water Main
- **X** Storm Main
- **Y** Storm Sewer
- **Z** Storm Grinder

### GRADING AND EROSION CONTROL NOTES

- All grading operations shall be completed to the satisfaction of the Engineer and the Contractor's agents.
- All grading shall be performed in accordance with the approved plans.
- All grading operations shall be subject to the approval of the Engineer.

### STORM DRAINAGE NOTES

- All storm drainage systems shall be designed and constructed in accordance with the approved plans.
- All storm drainage systems shall be subject to the approval of the Engineer.

### WATER SYSTEM NOTES

- All water system components shall be designed and constructed in accordance with the approved plans.
- All water system components shall be subject to the approval of the Engineer.

### DEWATERING

- All water shall be drained from the site prior to the commencement of construction.
- All water shall be drained to an approved location.

### DATUM INFORMATION

- The finish grade shall be determined by the Engineer and the Contractor's agents.
- The finish grade shall be subject to the approval of the Engineer.

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**NOTES, LEGEND AND ABBREVIATIONS**

**PROJECT #** JAPC-22

**DATE** 12/27/2023

**ROBERTSON FICK PC**

13115 NE 4th St. #240, Vancouver, WA 98684 | (360) 975-4995

**MOUNTAIN VIEW LIBRARY**

10111 US HIGHWAY 12
RANDLE, WA 98377

**BID SET**

**C001**
TOPOGRAPHIC SURVEY
Lot 4 of Lewis County Boundary Line Adjustment No. 22–2017
Being a portion of the Northwest Quarter of the Northwest Quarter of Section 15, Township 12 North, Range 7 East, W.M., in Lewis County, Washington.

EXISTING CONDITIONS PLAN
PROJECT # JAPC-22
DATE 12/27/2023

C002
BID SET
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<td>LOADING AISLE CROSS STRIPING</td>
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MOUNTAIN VIEW LIBRARY

TIMBERLAND REGIONAL LIBRARY DIST.

101 TILLAMOOK WAY
RANDLE, WA 98377

ROBERTSON FICK ENGINEERING
13115 NE 4th St. #240, Vancouver, WA 98684 | (360) 975-4995

C200
BID SET

GRADE AND EC PLAN NOTES
25. ALL CASING AND SEWER DREDGING PER SEWER PLAN.
27. ALL EARTHWORK Is TO BE PERFORMED WITH THE USE OF SLEEPERS, SHOVELS, OR SPOONS.
28. EXCAVATION - ALL EXCAVATION IS TO BE PERFORMED WITH THE USE OF SLEEPERS, SHOVELS, OR SPOONS.
29. ALL EARTHWORK EXCAVATION IS TO BE PERFORMED WITH THE USE OF SLEEPERS, SHOVELS, OR SPOONS.

BUILDING ENTRANCE ENLARGEMENT

NEW LIBRARY BUILDING
**NOTE:** Prior to the hydroseed application of the erosion control grass mix, hand seed in larger drifts, at a rate of .5 LB.

**SITE PREPARATION:**
- All disturbed areas, outside designated shrub and tree planting areas to be scarified to a depth of 6" inches.
- Imported planting area topsoil shall be a sandy loam topsoil with a combined silt and clay content less than 20% and medium to very fine sand 60%-70% which shall be percentages by weight of those particles passing a 1/2-inch screen. All topsoil shall be wind-dried, and mixed in preparation for wildflower and short dryland grass seeding. If ground is compacted, cross-rip at 18" on center of a grid to prevent compaction.
- Roots, contaminants or other objectionable material. Topsoil on-site meeting these specifications may be used in landscape areas as indicated on the Landscape Plan. Coordinate stockpiling of existing on-site topsoil at the time shall be given to allow existing material to die prior to removal. Blackberries to be sprayed with herbicide as required.

**PLANNING:**
- All boundaries, easements, utilities and legal encumbrances to be confirmed with owner prior to beginning work.
- Survey lines and survey information provided by the owner.
- The landscape designer shall assume no responsibility for the location of boundaries and utilities.
- Point of connection to be off of domestic water line.
- The owner, or his agent, shall be responsible for the maintenance of all landscaping which shall be maintained in accordance with the maintenance manual provided with the existing facility.
- All areas to be maintained for the continuation of all plan development or site to be maintained in an appropriate condition.
- Native plantings shall be selected by a professional planting contractor.
PART 1 - GENERAL CONDITIONS

1.1 GUARANTEE:
- The Contractor shall provide a 12-month guarantee on all work.

1.2 RECORD DRAWINGS:
- All record drawings shall be maintained by the Contractor and made available to the Owner upon request.

1.3 PLANT MATERIAL:
- The Contractor shall provide plant materials in accordance with species, sizes, and quantities indicated in the project specifications.

1.4 STANDARDS:
- F. Materials and Equipment: New materials and equipment of type and brands as specified in the project specifications.

1.5 PROTECTION OF UNFINISHED WORK:

PART 2 - PRODUCTS

2.1 FERTILIZERS:
- B. Comply with local and state codes.

2.2 WATER:
- D. Work noted 'N.I.C.', 'existing,' or 'to be supplied and/or installed by others' is not part of this contract.

2.3 PLANTING BED COVER MATERIAL:
- A. General, species, variety, quantity and size.

2.4 EDGING:
- A. Prior to backfilling installed system, installing emitters and testing the system, A. Install sleeving under all asphalt, concrete or other hard surface pavement areas and above all other active utilities.

2.5 DOLomite Limestone:
- A. Establish slopes in accordance with Civil Engineering plan.

2.6 VALVE BOX:
- A. Ametek Economy, Standard and Jumbo sized boxes, extensions and locking covers where applicable.

PART 3 - INSTALLATION

3.1 GENERAL:
- B. Show locations of stubouts, valves, pipe lines, splices and other subsurface features as specified.

3.2 HUNTER NODE:
- A. Hunter Node battery powered controller or approved equivalent.

3.3 INSTALLATION OF IRRIGATION CONTROLLER:
- B. Repair any settling of backfilled trenches occurring during a one (1) year period after final inspection.

3.4 INSTALLATION OF PLANT MATERIAL:
- A. Replace plant material not surviving or in poor condition during the Contractor's 1-year guarantee period.

3.5 INSTALLATION OF PLANTING BED COVER MATERIAL:
- A. General, species, variety, quantity and size.

3.6 INSTALLATION OF EDGING:
- A. Prior to backfilling installed system, installing emitters and testing the system.

3.7 INSTALLATION OF DOLomite Limestone:
- A. Establish slopes in accordance with Civil Engineering plan.

3.8 INSTALLATION OF VALVE BOX:
- A. Ametek Economy, Standard and Jumbo sized boxes, extensions and locking covers where applicable.

PART 4 - MAINTENANCE

4.1 GENERAL:
- A. Scheduling and Coordination: Coordinate work schedule with Owner's Scheduling Department.

4.2 PLANT MATERIAL:
- A. Guarantee plant materials and related workmanship of installation, beginning with the completion of backfilling and system testing.
KEYNOTES:

1. GENERAL NOTES: SEE WALL TYPES & DETAILS FOR ADDITIONAL INFORMATION.
2. COMMON USAGE: SEE SPECIFICATION FOR MORE INFORMATION.
3. CONSTRUCTION: SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
4. WALL TYPES: SEE REFLECTED CIVIL PLANS FOR ADDITIONAL INFORMATION.
5. ELECTRICAL: SEE ELECTRICAL.
6. WATER MAINS: SEE WATER.
7. FLOOR MOUNTED TOILET. SEE A002 FOR MORE INFORMATION.
8. HIGH-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER.
9. PRINTING AND COMPUTER EQUIPMENT. SEE ELECTRICAL.
10. ADDITIONAL OUTLETS AND DATA PROVIDED ALONG WALL FOR ELECTRICAL & SPECIFICATION FOR MORE INFORMATION.
11. BRICK EQUIPMENT ACCESS LADDER.
12. FLOOR MOUNTED DEEP BINK, REFER TO INTERIOR ELEVATIONS.
13. WATER MAINS MOUNTED IN.Must have VOLATILE FILLER, MEANSPIER HEIGHTS 6" x 6' x 1.2' DEEP.
14. WALL MOUNTED SHELF & MIRROR ABOVE. REFER SHEET AG, FOR MEASURING HEIGHTS, REFER TO INTERIOR ELEVATIONS.
15. FLOOR MOUNTED TRUSS. SEE AG FOR MORE INFORMATION.
16. DRAIN BUNK, REFER SHEET AG.
17. FLOOR MOUNTED RECEPTACLES, REFER TO ELECTRICAL.

GENERAL NOTES:

1. DOOR TAG: SEE DOOR SCHEDULE FOR MORE INFORMATION ON SPECIFICATION.
2. WINDOW TAG: SEE WINDOW TYPES ON SHEET AG & DETAIL SHEETS FOR MORE INFORMATION. SEE ALSO SPECIFICATION.
3. WALL TAG: SEE WALL TYPES ON SHEET AG & FOR ADDITIONAL INFORMATION. SEE ALSO SPECIFICATION.

WATER HEATER MOUNTED ABOVE, SEE PLUMBING.
CASEWORK, SEE INTERIOR ELEVATIONS FOR ADDITIONAL.

NORTH

BID SET

MOUNTAIN VIEW LIBRARY

TIMBERLAND REGIONAL LIBRARY DIST.

10111 SE 335th St, Maple Valley, WA 98038

Johanson Wing Architects

AT THE CARLTON, TACOMA, WA 98402

Phone: 253-445-9377

DATE

12/27/2023

PROJECT #

22048

DESCRIPTION

BID SET

DATE

12/27/2023
KEYNOTES:
1. ASPHALT SHINGLES ROOFING
2. CEMENT BOARD FASCIA, SEE DETAIL
3. PRE-FINISHED METAL GUTTER
4. PREFINISHED 4" MIN DOWNSPOUT
5. BASE GUTTER
6. PLUMBING UNIT
7. SIDECRUD DECK
8. ROOF BASE
9. ROOF SLOPE BREAK, SEE DETAIL SHEET FOR MORE INFORMATION
10. SNOW GUARDS, SEE SPECIFICATION FOR MORE INFORMATION
11. SOLAR READINESS AREA - SHADED LIGHT GREY
   (HORIZONTALLY PROJECTED GROSS ROOF AREA = 4,076 SF 40% = 1,630 SF MIN.)
12. NO GUTTER FOR ICE/SNOW CONDITIONS. ROOF DRAINAGE SYSTEM @ GRADE
KEYNOTES:
1. EXTERIOR WALL MOUNTED LIGHTS, SEE ALSO EXTERIOR ELEVATIONS.
2. RECESSED CIRCULAR LED LIGHT, COORDINATE WITH OFFICE CASEWORK & PLUMBING FIXTURES.
3. OCCUPANCY SENSORS REQUIRED. SEE ELECTRICAL.
4. RECESSED ROUND DIAMETER LIGHT, 12' AFF.
5. SUSPENDED LAMPS MOUNTED ABOVE WALL, SEE VENTILATION SYSTEM.
6. GENERAL NOTES: SEE ELECTRICAL DRAWINGS AND SPECIFICATION FOR MORE INFORMATION.
7. CENTRALIZED FAN WITH LIGHT.
8. HIGH VOLUME LOW SPEED CEILING FAN.
9. SUSPENDED ROUND DIAMETER LIGHT, 12' AFF.
10. OCCUPANCY SENSORS REQUIRED. SEE ELECTRICAL.
11. EGRESS ILLUMINATION PROVIDED PER SECTION 1008.
12. IN THE EVENT OF A POWER SUPPLY FAILURE AN EMERGENCY SYSTEM SHALL AUTOMATICALLY ILLUMINATE REQUIRED SPACES TO INITIAL ILLUMINATION OF NOT LESS THAN AN AVERAGE OF 1 fc AND A MINIMUM AT ANY POINT OF 0.1 fc MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL AT DURATION LISTED IN BUILDING CODE. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE AS ALLOWED BY CODE AT END OF THE EMERGENCY LIGHTING TIME DURATION.
13. CENTER ALL LIGHT FIXTURES, MECHANICAL AND ELECTRICAL ITEMS IN GYPSUM BOARD CEILINGS AND SOFFITS.
14. PROVIDE LIGHTING CONTROLS PER WSEC C405.2.1 - C405.2.8.
15. ALL RECESSED LIGHTING FIXTURES SHALL BE IC RATED & HAVE AN AIR LEAKAGE RATING NOT GREATER THAN 2 CFM PER ASTM E283 TEST.

GENERAL NOTES:
1. SEE ELECTRICAL DRAWINGS AND SPECIFICATION FOR MORE INFORMATION ON LIGHTING AND EGRESS SYSTEMS.
2. GENERAL NOTE: LIGHTING FIXTURES, MECHANICAL AND ELECTRICAL ITEMS IN GYPSUM BOARD CEILINGS AND SOFFITS.
3. CENTER ALL LIGHT FIXTURES, MECHANICAL AND ELECTRICAL ITEMS IN GYPSUM BOARD CEILINGS AND SOFFITS.
4. PROVIDE LIGHTING CONTROLS PER WSEC C405.2.1 - C405.2.8.
5. ALL RECESSED LIGHTING FIXTURES SHALL BE IC RATED & HAVE AN AIR LEAKAGE RATING NOT GREATER THAN 2 CFM PER ASTM E283 TEST.
KEYNOTES:

1. EXTERIOR WALL MOUNTED LIGHTS, SEE ALSO EXTERIOR ELEVATIONS.
2. PROJECTED CIRCULAR LIGHT, COORDINATE WITH OFFICE CABINETS, SEE PLUMBING FIXTURES.
3. OCCUPANT SENSORS REQUIRED, SEE ELECTRICAL.
4. EQUIPMENT ACCESS LADERS, SEE ELEVATION SPECIFICATION & DRAWING FOR MORE INFORMATION.
5. VANITY LIGHT (PANEL MOUNTED ABOVE SINK & MIRROR), SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.
6. MECHANICAL EQUIPMENT, SEE MECHANICAL FOR MORE INFORMATION.
7. CEILING FIXTURE WITH LIGHT.
8. HIGH VOLUME LOW SPEED CEILING LIGHT.
9. LIGHT FIXTURE MOUNTED ABOVE 1" LED.
10. SUSPENDED ROUND DIAMETER LIGHT, 12" APP.
11. SUSPENDED CURVE DIAMETER LIGHT, 12" APP.
12. SUSPENDED LIGHT, 12" APP.
13. FILE CABINET LIGHT.
14. SLOPED 1/8" CEILING, ATTACHED TO ROOF STRUCTURE.
15. SLOPED 1/8" CEILING, ATTACHED TO ROOF STRUCTURE.
16. CEILING LIGHTS, PAINTED TO MATCH CEILING COLOR.
17. DECORATIVE LIGHTS, SEE ELEVATIONS.
18. LINEAR LOW PROFILE LED LIGHT.
19. SUSPENDED LINEAR LIGHT.
20. CEILING SOFFIT WALL/COVE, PAINTED TO MATCH CEILING COLOR.
21. DECO MOUNTED ABOVE 10' LID.
22. SUSPENDED CURVE LIGHT, 12' APP.
23. SUSPENDED ROUND DIAMETER LIGHT, 12' APP.
24. SUSPENDED CURVE LIGHT, 12' APP.
25. SUSPENDED LIGHT, 12' APP.
26. SUPPLY REGISTER TO MATCH CEILING COLOR. SEE MECHANICAL FOR SIZE.
27. RETURN REGISTER TO MATCH CEILING OR WALL COLOR. SEE MECHANICAL FOR SIZE.

GENERAL NOTES:

1. SEE ELECTRICAL DRAWINGS AND SPECIFICATION FOR LIGHTS AND EMERGENCY LIGHTING COMPLIANCE.
2. EGRESS ILLUMINATION PROVIDED PER SECTION 1008.
3. IN THE EVENT OF A POWER SUPPLY FAILURE AN EMERGENCY SYSTEM SHALL AUTOMATICALLY ILLUMINATE MADE UP FOR THE LENGTH OF TIME PERMITTED UNDER THE BUILDING CODE.
4. CENTER ALL LIGHT FIXTURES, MECHANICAL AND ELECTRICAL ITEMS IN GYPSUM BOARD CEILINGS AND SOFFITS.
5. PROVIDE LIGHTING CONTROLS PER WSEC C405.2.1 - C405.2.8.
6. ALL SUSPENDED LIGHTING FIXTURES SHALL BE IC RATED & HAVE AN AIR LEAKAGE RATING NOT GREATER THAN 2 CFM PER ASTM E283 TEST.

OFFICE AREA RCP
KEYNOTES:

1. ARCHITECTURAL COMPOSITE SHINGLES (ALGAE RESISTANT) - HUNTER GREEN
2. FIBER CEMENT FASCIA, COLOR TO MATCH MAIN ROOF COLOR.
3. PRE-FINISHED 5" X 5" BEVELED METAL GUTTER, COLOR TO MATCH MAIN ROOF COLOR.
4. PRE-FINISHED 4" DOWNSPOUT, COLOR TO MATCH MAIN ROOF COLOR.
5. MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS.
6. MECHANICAL EXHAUST (all shall, include ac intake and exhaust openings shall be provided with dampers in accordance with Mechanical Section C403.7.8)
7. MECHANICAL LOUVER - PRE-FINISHED COLOR TO MATCH ADJACENT SIDING. FLASHING OVER THE TOP EDGE TO MATCH LOUVER COLOR.
8. HORIZONTAL FIBER CEMENT SIDING W/ 4" EXPOSURE, COLOR: P-8
9. HORIZONTAL FIBER CEMENT SIDING W/ 4" EXPOSURE, COLOR: P-7
10. BOARD & BATTEN FIBER CEMENT SIDING, COLOR: P-6
11. 2" X 24" TRIM BOARD, COLOR: P-7 WITH PRE-FINISHED FLASHING OVER THE TOP EDGE TO MATCH TRIM BOARD COLOR.
12. EVLOVE STONE VENEER: CAPITAL SKY STYLE PATTERN, COLOR: KODIAK MINE
13. DOOR & WINDOW SCHEDULE & DETAILS.
14. WOOD STRUCTURAL COLUMN.
15. WALL MOUNTED LIGHT
16. PLUMBING VENT, SEE PLUMBING DRAWINGS.
17. GOOSENECK WALL MOUNTED LIGHT
18. 6" DIA, 4' TALL BOLLARD, SEE CIVIL FOR PLACEMENT & DETAILS.
19. SNOW GUARDS, SEE SPECIFICATION.
KEYNOTES:

1. ARCHITECTURAL COMPOSITE SHINGLES (ALGAE RESISTANT) - HUNTER GREEN
2. FIBER CEMENT FASCIA, COLOR TO MATCH MAIN ROOF COLOR.
3. PRE-FINISHED 4" X 4" MIRRORED METAL GUTTER, COLOR TO MATCH MAIN ROOF COLOR.
4. PRE-FINISHED 6" VENTILATION, COLOR TO MATCH MAIN ROOF COLOR.
5. MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS.
6. MECHANICAL ROOM, SEE MECHANICAL DRAWINGS.
7. ELECTRICAL ROOM, SEE ELECTRICAL DRAWINGS.
8. PLUMBING VENT, SEE PLUMBING DRAWINGS.
9. PRE-FINISHED 5" x 5" BEVELED METAL GUTTER, COLOR TO MATCH ALGAE RESISTANT SHINGLES.
10. MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS.
11. MECHANICAL EXHAUST (all relief, outside air intake and exhaust openings shall be provided with dampers in accordance with Mechanical Section C403.7.8).
12. MECHANICAL LOUVER - PRE-FINISHED COLOR TO MATCH ADJACENT SIDING. FLASHING OVER THE TOP EDGE TO MATCH LOUVER COLOR.
13. HORIZONTAL FIBER CEMENT SIDING (4" EXPOSURE, COLOR: P-8).
14. HORIZONTAL FIBER CEMENT SIDING (4" EXPOSURE, COLOR: P-7).
15. WALLS & WINDOWS - PRE-FINISHED SIDING, COLOR: P-6.
16. 2" LIST TREESIDE, COLOR: P-7 WITH PRE-FINISHED FLASHING OVER THE TOP EDGE TO MATCH TREESIDE COLOR.
17. VERTICAL STONE VENEER, CAPITAL STYLE PATTERN, COLOR: KODIAK MINE.
18. VERTICAL STONE VENEER, SIMPLER COLOR: KODIAK MINE.
19. DOOR & WINDOW SCHEDULE & DETAILS.
20. WOOD STRUCTURAL COLUMN.
21. DARK STAINED CONCRETE COLUMN, 3/4" CHAMFER.
22. SLIDING, DRIVE THROUGH WINDOW, SERVICE OPENING APPROX 19" X 34", SEE SPECIFICATION.
23. GOOSENECK WALL MOUNTED LIGHT.
24. WALL MOUNTED, UP/DOWNLIGHT.
25. 6" DIA, 4' TALL BOLLARD, SEE CIVIL FOR PLACEMENT & DETAILS.
26. BRICK GUARD, SEE SPECIFICATION.
27. LIGHT FIXTURE, SEE ELECTRICAL.
WALL ASSEMBLIES

W-1
- Wood Studs @ 16" O.C., See Structural
- 5/8" Gypsum Wallboard
- Sound Attenuation Batt Insulation, See Plan for Locations

W-2
- Wood Studs @ 16" O.C., See Structural
- 5/8" Gypsum Wallboard
- Sound Attenuation Batt Insulation

FIRE RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:W-1 0 HR N/A N/A N/A

2x8 WOOD STUDS @ 16" O/C, SEE STRUCTURAL
5/8" GYPSUM WALL BOARD
5/8" GYPSUM WALL BOARD
SOUND ATTENUATION BATT INSULATION, SEE PLAN FOR LOCATIONS.

W-3
- Wood Studs @ 16" O.C., See Structural
- 5/8" Gypsum Wallboard
- Thermal (R-25) or Sound Attenuation Batt Insulation

FIRE RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:W-3 0 HR N/A N/A

2x8 WOOD STUDS @ 16" O/C, SEE STRUCTURAL
5/8" GYPSUM WALL BOARD
5/8" GYPSUM WALL BOARD
THERMAL (R-25) OR SOUND ATTENUATION BATT INSULATION

W-4
- Wood Studs @ 16" O.C., See Structural
- 5/8" Gypsum Wallboard
- Fiber Cement Vertical BATT Insulation

FIRE RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:W-4 0 HR N/A N/A

2x8 WOOD STUDS @ 16" O/C, SEE STRUCTURAL
5/8" GYPSUM WALL BOARD
5/8" GYPSUM WALL BOARD
FIBER CEMENT VERTICAL BATT INSULATION

W-5
- Fiber Cement Lap Siding
- Weather Resistant Barrier
- 2x8 Wood Studs @ 16" O.C., See Structural
- 5/8" Gypsum Wallboard

FIRE RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:W-5 0 HR N/A N/A

FIRE RATING / SOURCE: IIC RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:RC-1 N/A N/A

2x8 WOOD STUDS @ 16" O/C, ALIGNED WITH STUDS.
WEATHER RESISTIVE BARRIER
2" POLYISO RIGID INSULATION, R-12.5 (R-10 MIN PER TABLE 1202.3)

2x8 WOOD STUDS @ 16" O/C, SEE STRUCTURAL
5/8" TYPE 'X' GYPSUM WALLBOARD
5/8" TYPE 'X' GYPSUM WALLBOARD

FLOOR ASSEMBLIES

FC-1
- Concrete Slab, Painted
- Acoustical Batt Insulation

FIRE RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:RC-2 N/A N/A

2X8 WOOD JOISTS, SEE STRUCTURAL
UNDERLAYMENT PER MANUFACTURER'S RECOMMENDATIONS
VAPOR BARRIER
2" POLYISO RIGID INSULATION, R-12.5 (R-10 MIN PER TABLE 1202.3)
PLASTIC SHEETING, SEE STRUCTURAL
WALL, CEILING & ROOF ASSEMBLIES

ROOF ASSEMBLIES

RC-1
- Architectural Composite Shingles (Algae Resistant)
- Underlayment Per Manufacturer's Recommendations

FIRE RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:RC-1 N/A N/A

ARCHITECTURAL COMPOSITE
(ARMS STAR RESISTANT)
UNDERLAYER PER
MANUFACTURER'S
RECOMMENDATIONS
2X8 WOOD JOISTS, SEE STRUCTURAL
WALL, CEILING & ROOF ASSEMBLIES

RC-2
- Architectural Composite Shingles (Algae Resistant)

FIRE RATING / SOURCE: R-VALUE: STC RATING / SOURCE: U-FACTOR:RC-2 N/A N/A

ARCHITECTURAL COMPOSITE
(ARMS STAR RESISTANT)
UNDERLAYER PER
MANUFACTURER'S
RECOMMENDATIONS
2X8 WOOD JOISTS, SEE STRUCTURAL
WALL, CEILING & ROOF ASSEMBLIES
FENESTRATION PRODUCTS SHALL BE LABELED WITH NFRC U-FACTOR, SHGC, VT & LEAKAGE RATING, OR IF PRODUCTS DO NOT HAVE AN NFRC RATING, UTILIZE APPLICABLE CHAPTER 3 DEFAULT VALUES.

EXTERIOR FENESTRATION REQUIRED TO HAVE LOW E COATING, TO BE DOUBLE PANED, ARGON FILLED WITH A THERMAL BREAK. U = 0.41 MAX.

NFRC RATING CERTIFICATES REQUIRED FOR PROJECT CLOSE OUT DOCUMENTATION.

MARBAN MODERN FIBERGLASS UNLESS NOTED OTHERWISE.
GENERAL NOTE:
REFERENCE 1 ON SHEET A002 FOR MOUNTING HEIGHTS AND CLEARANCES OF GRAB BARS, TOILETS, SINKS & ACCESSORIES. PROVIDE BLOCKING. ACCESSORIES PROVIDED BY OWNER.
1. **RIDGE DETAIL**

- Ridge beam: 4" metal studs alternated @ 16" o.c.
- Extend brace: 1/2" x 2" c.c.
- Ridge beam: 4" metal studs alternated @ 16" o.c.

2. **SLOPE CHANGE DETAIL**

- Slope change: 3" metal trim, drip edge

3. **SOFFIT FRAMING DOOR HEADER DETAIL**

- Soffit framing: door header

4. **RAKE DETAIL**

- Rake: 2x6, see structural

5. **SOFFIT FRAMING DETAIL**

- Soffit framing: door header

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**PROJECT #** 22048

**DATE** 12/27/2023

**DESCRIPTION** BID SET

**MOUNTAIN VIEW LIBRARY**

1 1/2" = 1'-0"

**TIMBERLAND REGIONAL LIBRARY DIST.**

1 1/2" = 1'-0"

**EXTERIOR DETAILS**

1 1/2" = 1'-0"

**SOFFIT COVE DETAIL**

- Soffit cove: 5/4x10 fiber cement fascia, painted exterior wall, see plan and wall types for additional information

**CANOPY GUTTER**

- Canopy gutter: pre-finished metal gutter

**CANOPY RAKE EDGE**

- Canopy rake edge: 2x4, wooden deck over plywood sheathing

**ROOF - WALL FLASHING**

- Roof - wall flashing: pre-finished metal gutter
GENERAL NOTES

These general notes are to be used as a supplement to the specifications. Any discrepancies found among the drawings, the specifications, these general notes and the site conditions shall be resolved as directed by the architect and builder. Any item of work not otherwise specified in writing, any item of work not otherwise designated as complete by the architect or builder shall be the responsibility of the general contractor. The general contractor shall verify and coordinate dimensions among all existing and new structures or portions of structures. The structure has been designed to resist code specified vertical and lateral forces. The architect shall verify that the structure was designed to resist the resisting forces and lateral forces after the construction of all structural elements. The structure has been designed to resist the codes specified. Stability of the structure prior to completion is the sole responsibility of the general contractor. This responsibility includes but is not limited to job site safety during construction, materials, and methods. Secondary, temporary, bracing, scaffolding, and construction stand-alone metallic or wood letters shall be subjected to the same construction procedures as permanent construction stand-alone metallic or wood letters. For control points, see job site instructions.

CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEERS IS FOR GENERAL CONFORMANCE WITH DESIGN ASPECTS ONLY and is not intended in any way to review the contractor’s construction procedures. PENALTIES

ALL MATERIALS, WORKSHOPS AND WORKMANSHIP SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION.

GENERAL NOTES (ASCE 7-16) V = CsW

ALL METHOD, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION.

LONGITUDINAL FORCES

LATERAL FORCES

TWO-PLANE ANALYSIS

SIMPLE SUPPORT

DESIGN CRITERIA

VERTICAL LOADS

AREA DESIGN LOAD LIVE LOAD (psi) PARTITION LOAD CONCRETE LOAD

ROOF (MINIMUM SLOPE 2:12) 125 PSF 50 PSF 75 PSF 50 PSF

SLAB (MINIMUM SLOPE 2:12) 125 PSF 50 PSF 75 PSF 50 PSF

LATERAL FORCES

TYPICAL OF Brace Wall

AREA DESIGN LOAD LIVE LOAD (psi) PARTITION LOAD CONCRETE LOAD

PILE CAP (MINIMUM SLOPE 2:12) 125 PSF 50 PSF 75 PSF 50 PSF

PILING (MINIMUM SLOPE 2:12) 125 PSF 50 PSF 75 PSF 50 PSF

LOADS:

CONCRETE PRISMATIC ELEMENTS

AREA DESIGN LOAD LIVE LOAD (psi) PARTITION LOAD CONCRETE LOAD

SPECIAL FOUNDATION LOADS 100 PSF 50 PSF 75 PSF 50 PSF

PILING (MINIMUM SLOPE 2:12) 125 PSF 50 PSF 75 PSF 50 PSF

LOADS:

CONCRETE PRISMATIC ELEMENTS

AREA DESIGN LOAD LIVE LOAD (psi) PARTITION LOAD CONCRETE LOAD

CONCRETE EXPOSED TO WEATHER: PROVIDE 5.0% TOTAL AIR CONTENT FOR ALL CONCRETE EXPOSED TO WEATHER.

CONCRETE MIX PROPORTIONS.

CONCRETE MIXTURES:

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CONCRETE MIX PROPORTIONS:

CONCRETE MIXTURES:

CONCRETE EXPOSED TO WEATHER: PROVIDE 5.0% TOTAL AIR CONTENT FOR ALL CONCRETE EXPOSED TO WEATHER.

CONCRETE MIX PROPORTIONS:

CONCRETE MIXTURES:
ALLOWED TO RIDE ON THE REINFORCING. WEATHER FORECASTS SHALL BE MONITORED AND ACI 2.2.2.5 AND 5.3.2.6.

EMBEDDED ITEMS

CONCRETE SHALL NOT FREE FALL MORE THAN 5 FEET DURING PLACEMENT WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF ACI 301 SECTIONS 2.2.2.5 AND 5.3.2.6.

CONCRETE PLACEMENT. PULLING OF MESH INTO PLACE AFTER PLACEMENT IS NOT ALLOWED.

CONCRETE SHALL CONFORM TO:

ASTM A615, GRADE 60 TYPICAL UNLESS NOTED OTHERWISE.

WALLS AND SLABS NOT EXPOSED TO WEATHER---- 3/4"

EXPOSED TO WEATHER OR EARTH ------------ 2"

PERCER 1. MAX ALUMINUM ITEMS SHALL BE EMBEDDED IN ANY CONCRETE.

2. ALL EMBED PLATES SHALL BE SECURELY FASTENED IN PLACE.

3. ALL EMBEDDED STEEL ITEMS EXPOSED TO WEATHER SHALL BE GALVANIZED.

4. ALL EMBEDDED STEEL ITEMS EXPOSED TO WEATHER SHALL BE GALVANIZED.

5. NON-GROWTH GROUT: MASTER BUILDER'S "MASTERFLOW 928" OR PRE-APPROVED EQUAL.

6. ALL STEEL DETAILING SHALL BE PERFORMED BY A DETAILER WITH FIVE YEARS MINIMUM EXPERIENCE ON STRUCTURAL STEEL.

7. STEEL FABRICATORS.

8. STEEL ERECTORS.

9. STEEL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH "STRUCTURAL WELDING CODE" AWS D1.1.

10. PROVIDE CONSTRUCTION JOINTS AS INDICATED BELOW UNLESS NOTED OTHERWISE ON THE PLANS:

BONDING METHODS PER SECTION 5.3.2.6 SHALL BE SATISFIED BY ITEM 2 BELOW UNLESS OTHERWISE DETAILED.

CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF ACI 301 SECTIONS 2.2.2.5 AND 5.3.2.6.

SPECIAL CONSOLIDATION PER ACI 309 USING INTERIOR MECHANICAL VIBRATORS, DO NOT OVER-VIBRATE. CONCRETE SHALL BE COMPACTED TO THE LEVEL OF THE PLATES OR SHAPES. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION, MATERIAL PROPERTIES, WELDED CONNECTIONS INSPECTION: ALL WELDING SHALL BE PERFORMED BY WABO CERTIFIED WELDERS. WELDERS SHALL BE CERTIFIED FOR EACH POSITION AND FIELD WELD WHICH THE WELDER WILL BE PERFORMING.

WELDING PERKS AS SHOWN IN THE DETAILING CHARTS OF THIS DOCUMENT. UNDER THE WELDING CHARTS, ANY DIFFERENT WELDING METHODS SHOWN FOR REALIZATION OF THE REQUIREMENTS.


CONCRETE MUST BE DELIVERED TO THE SITE WITHIN 21 DAYS AS PER THE CONDITIONS OF THE CONTRACT DOCUMENTS, WHETHER FOR RELAYING OR FOR FILLING THE JOINTS.

CONCRETE PLACEMENT. PULLING OF MESH INTO PLACE AFTER PLACEMENT IS NOT ALLOWED.

PLACEMENT POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH REBAR. INSTALL IN ACCORDANCE WITH THE MANUFACTURER’S INSTALLATION INSTRUCTIONS.

CONCRETE PLACEMENT. PULLING OF MESH INTO PLACE AFTER PLACEMENT IS NOT ALLOWED.

GROUT SHALL BE PLACED FROM A 25 SECOND FLOW TO A STIFF PACKING CONSISTENCY. FILL OR PACK CONCRETE ANCHORS: HILTI HIT-E (ICC-ESR-485) OR PRE-APPROVED EQUAL.

Screw Anchors: HILTI HIT-RE 500 (ICC-ESR-3814), DEWALT PURE 110+ (ICC-ESR-3298) OR SIMPSON SET-3G (ICC-ESR-4057) OR PRE-APPROVED EQUAL.

EXPANSION ANCHORS: KWIKBOLT TZ2 (ICC-ESR-4266) BY HILTI, INC., OR PRE-APPROVED EQUAL.


1. ALL WELDING SHALL BE CHECKED BY VISUAL MEANS AND BY OTHER METHODS DEEMED NECESSARY BY THE WELDING INSPECTOR.

ITEM 2. WELDING MUST BE PERFORMED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH "AMERICAN NATIONAL STANDARDS INSTITUTE A21.1" OR "AMERICAN NATIONAL STANDARDS INSTITUTE A21.2" OR "AMERICAN NATIONAL STANDARDS INSTITUTE A58.1", TO THE EXTENT THAT THEY ARE APPLICABLE.

CONCRETE SPLICE TABLE NOTES

1. "TOP BAR" IS A HORIZONTAL BAR WITH MORE THAN 1/2" DEPTH OF CONCRETE CAST BELOW THEM.

MECHANICAL CONNECTORS "IDENTIFIED BY ERICO "CONCEAL" BY ERICO "BAR-Lock" BY DAYTON SUPERIOR.

1. PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST BART---F

WRAPS AND BARS NOT EXPOSED TO WEATHER---3/4"
ALL PANEL EDGES UNLESS NOTED OTHERWISE.

"STRUCTURAL I" CONFORMING TO PS1-09 AND/OR PS2-10. ALL PANELS SHALL BEAR THE STAMP OF AN APPROVED 5-PLY MINIMUM WHERE INDICATED AS PERFORMANCE CATEGORY 3/4" OR THICKER. WOOD SHEATHING SHALL BE DOUGLAS FIR (DF) FOR SIMPLE SPANS; AND 24F-V8 DF FOR CANTILEVERED AND/OR CONTINUOUS SPANS.

FLOOR AND WALLS SHALL BE PLYWOOD OR ORIENTED STRAND BOARD (OSB). PLYWOOD SHEATHING SHALL BE WOOD SHEATHING (STRUCTURAL):

* BASED ON 15/32" PLYWOOD OR OSB.

CARPENTRY:

FOR DIAPHRAGM OR SHEAR WALL NAILING THE FOLLOWING FASTENER TYPES MAY AS SHOWN ON STRUCTURAL DRAWINGS.

ARCHITECTURAL APPEARANCE GRADE WHERE EXPOSED TO VIEW; INDUSTRIAL APPEARANCE WHERE NOT.

1. Beams and Headers. "DOUG FIR-LARCH" NO. 1 (Fb=1350 PSI, Fv=170 PSI)
2. Combination 24F-V5 SOUTHERN PINE (SP) (Fb=2400 PSI, Fv=300 PSI, E=1.7X10^6 PSI) AND SP COMBINATION 2 FOR MEMBERS INDICATED IN STRUCTURAL DRAWINGS AS "PPT" SHALL BE PRESERVATIVE PRESSURE TREATED.

3. 6x BEAMS AND HEADERS. "DOUG FIR-LARCH" NO. 1 (Fb=1350 PSI, Fv=150 PSI)
4. 16d COMMON WIRE 0.131 62-1/2
5. 10d COMMON WIRE 0.148 49-1/2
6. 8d COMMON WIRE 0.192 36-1/2
7. 6d COMMON WIRE 0.255 28-1/2
8. 4d COMMON WIRE 0.335 20-1/2

PORTION SHALL HAVE A DIAMETER EQUAL TO 60 TO 75 PERCENT OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THICKNESS PORTION. THE THREAD PORTION OF THE SCREW SHALL BE INSERTED IN STEEL HOLES FORMING A WEDGE. SCREW OR OTHER LUBRICANT SHALL BE USED ON THE SCREWS OR IN THE LEAD HOLE TO FACILITATE INSERTION AND PREVENT DAMAGE TO THE SCREW. LAG SCREWS SHALL NOT BE DRIVEN WITH A HAMMER. REFER TO PRESERVATIVE TREATED WOOD REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

FRAMING CONNECTORS SHALL CONFORM TO CURRENT EVALUATION REPORT AND BE MANUFACTURED BY REDBUILT LLC., OR PRE-APPROVED EQUAL. REFER TO SHIPMENT REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

NO. 1 (Fb=975 PSI, Fv=150 PSI) OR "HEM-FIR" NO. 1 (Fb=975 PSI, Fc=1350 PSI).

ARCHITECTURAL COMPOSITE LUMBER (SCL): SHALL BE MANUFACTURED BY REDBUILT LLC., OR PRE-APPROVED EQUAL. REFER TO SHIPMENT REQUIREMENTS IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

MEMBERS INDICATED IN STRUCTURAL DRAWINGS AS "PPT" SHALL BE PRESERVATIVE PRESSURE TREATED COMBINATION 24F-95 OR 24F-100 PINE (PS) OR 24F-95 OR 24F-100 SPRUCE (SP) OR OTHER MATERIAL AS SPECIFIED OR AS SHOWN ON STRUCTURAL DRAWINGS.

ARCHITECTURAL APPEARANCE GRADE WHERE EXPOSED TO VIEW; INDUSTRIAL APPEARANCE WHERE NOT.

1. CCA: CHROMATED COPPER ARSENATE NOT PERMITTED FOR USE IN SPRUCE OR PINE (PS) OR 24F-95 OR 24F-100 PINE (PS) OR 24F-95 OR 24F-100 SPRUCE (SP) OR OTHER MATERIAL AS SPECIFIED OR AS SHOWN ON STRUCTURAL DRAWINGS.

SPECIAL INSPECTION. SPECIAL INSPECTION SHALL BE PROVIDED BY AN INDEPENDENT TESTING LABORATORY PER THE REQUIREMENTS OF THE ARCHITECT. REFER TO THE FRAMING CONNECTORS SECTION OF THE CONTRACT DOCUMENTS FOR THE SPECIAL INSPECTOR. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS AND A FINAL REPORT TO THE BUILDING OFFICIAL FOR THE ITEM LISTED IN THE QUALITY ASSURANCE/SPECIAL INSPECTION SECTION.

1. CONCRETE MIX DESIGNS X X X X
2. PREFABRICATED METAL STAIRS AND LANDINGS X X X X
3. STRUCTURAL COMPOSITE LUMBER X
4. STRUCTURAL STEEL X X X
5. SPRINKLER LINE ATTACHMENTS SHALL CONFORM TO NFPA 13 AND COMMERCIAL PUBLICATION "SPRINKLER SYSTEM INSTALLATION WITH GUIDELINES FOR REDBUILT OPEN-WEB TRUSSES AND I-JOISTS". LOADS HUNG FROM CONNECTIONS, POINT, NOR SHALL TOTAL LOADS IN POUNDS ON ANY ONE JOIST EXCEED 8 TIMES THE JOIST SPAN IN FEET, LESS 1000 LBS. FASTENERS OR CONNECTORS MUST BE APPLIED IN CONFORMITY WITH THE FRAMING PLANS AND DETAILS. THE TRUSS ENGINEER SHALL ASSUME ALL RESPONSIBILITY FOR THE WORK OF ALL SUBORDINATES INVOLVED IN THE PREPARATION OF THE TRUSS PLACEMENT PLANS AND TRUSS DESIGN DRAWINGS. JOISTS SHALL BE PROVIDED TO COMPLETE THE FRAMING FROM THE SHEATHING TO THE SUPPORTING MEMBERS BELOW. MEMBER DESIGNATIONS ON PLANS ARE FOR TYPICAL CONNECTIONS AND MAY NOT BE APPLIED TO ALL MEMBERS.

THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS AND A FINAL REPORT TO THE BUILDING OFFICIAL FOR THE ITEM LISTED IN THE QUALITY ASSURANCE/SPECIAL INSPECTION SECTION.
STATEMENT OF SPECIAL INSPECTIONS:

STATEMENT OF SPECIAL INSPECTION.

CEILINGS

TESTING AND SPECIAL INSPECTION REPORTS SHALL BE PREPARED FOR EACH INSPECTION ITEM ON A DAILY BASIS WHENEVER WORK IS PERFORMED ON THAT ITEM. REPORTS SHALL BE DISTRIBUTED TO OWNER, CONTRACTOR, BUILDING OFFICIAL, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.

WOOD FRAMING

SHEAR WALL NAILING

X

ACI 318: 17.8.2

ACI 318: 26.5.3 TO 26.5.5

X

ASTM C172, C31

X

ACI 318: 26.11.2

X

ACI 318: 17.8.2

ACI 318, CH 19

D.F. DOUGLAS FIR

D.L. DEAD LOAD

L.L. LIVE LOAD

T.O.S. TOP OF STEEL

T.O.F. TOP OF FOOTING

P.P. PARTIAL PENETRATION

P.P.T. PRESERVATIVE PRESSURE TREATED

P.A.F. POWDER ACTUATED FASTENER

C.P. COMPLETE PENETRATION

C.D.R. CENTERLINE

C.L. CONCEALMENT

C. SOILS VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE STRUCTURAL

C. REPORTS SHALL BE PREPARED FOR EACH SITE VISIT AND SHALL BE DISTRIBUTED TO ARCHITECT.

C. REVIEW OF TESTING AND INSPECTION REPORTS.

C. INSPECT FORMWORK FOR SHAPE, LOCATION AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE PRIOR TO CONCRETE PLACEMENT, FABRICATE COMPACTED FILL MATERIALS BEEN PREPARED PROPERLY

C. MATERIAL VERIFICATION OF WELD FILLER MATERIALS SPECIFICATIONS LISTED IN GENERAL NOTES B. MANUFACTURER CERTIFICATE OF COMPLIANCE.

C. MATERIAL VERIFICATION OF WELD TESTS AND SPECIAL INSPECTION REPORTS SHAL BE PREPARED FOR EACH INSPECTION ITEM ON A DAILY BASIS WHENEVER WORK IS PERFORMED ON THAT ITEM. REPORTS SHAL BE DISTRIBUTED TO OWNER, CONTRACTOR, BUILDING OFFICIAL, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.

C. SOILS VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE STRUCTURAL
GRADE LEVEL FRAMING NOTES

1. Coordinate all dimensions with architectural drawings. Finish floor 4'-8" above finish floor unless noted otherwise.

2. Indicates header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

3. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

4. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

5. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

6. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

7. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

8. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

9. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

10. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

11. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

12. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

13. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

14. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

15. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

16. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

17. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

18. Indicates special header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

WOOD FLOOR FRAMING NOTES

1. Coordinate all dimensions with architectural drawings.

2. Indicates header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.

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18. Indicates header extend under header. For typical framing requirements at opening in structural walls - see 1/S601. Headers should not be used at header opening unless noted otherwise - see note 7/S601 for additional details.
PROVIDE 2X BLK'G BEHIND STRAPS AND NAIL FULL LENGTH OF WALL.

HSS6x6x1/2

S303

F4.0

HDU

2'-0"
PROVIDE 4x8 CRIPPLE W/ SIMPSON CS16x48 AT INT. & ENT. FACE

PROVIDE 6x8 CRIPPLE W/ SIMPSON CS16x48 AT INT. & ENT. FACE

2x8 ATK 16" O.C.

PROVIDE 4x8 CRIPPLE W/ SIMPSON CS16x48 AT INT. & ENT. FACE

4 8" O.C. NO. 1 A 4'-0" O.C.

2 8" O.C.

2 8" O.C.

1" PW. SHEATHING PER 2x T&G DECKING W/ 15/32" P.W.

CONT 2x FASCIA AT CORNERS BY 8 VMN. - CONNECT TO BEAM OR W2 10X1 - TYPICAL EA. CORNER

15.5 PSF SLIDING SNOW 68 PSF

SLIDING SNOW 10.6' DBL 2x8 W/ LUS2-28 EA. END

PROVIDE 4x6 CRIPPLE W/ SIMPSON CS16x48 W/ STAPLE SHEATHING W/ 1.5" 16GA 7/16" CROWN AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORT

SOLAR PANELS LOW ROOF IS DESIGNED FOR 5 PSF FOR FUTURE 2x T&G DECKING W/ 15/32" P.W.

2x8 AT 16" O.C.

6½x12 GL

5x13½ GL

14" RED I65 AT 24" O.C.

6x10

4x8 D.F. NO. 1 AT 4'-0" O.C.

W8x21

5x16½ GL

5x13½ GL

5x12 GL

5x13½ GL

6x8

6x10

6x8

5x16½ GL

5x13½ GL

5x13½ GL

6x8

S601

S602

S603

S604

S501

S502

S403

S404

CONTRACTOR 2x FASCIA AT CORNERS BY 8 VMN. - CONNECT TO BEAM OR W2 10X1 - TYPICAL EA. CORNER

2x8 ATK 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

2x8 AT 16" O.C.

END
FOR ROOF FRAMING NOTES, SEE SHEET S100

CONT. FASCIA AT CORNERS BY 16" H2M - CONNECT ADJOINING FASCAS TOGETHER W/ A35 - TYPICAL EA. CORNER

14" RED 165 AT 24" O.C.

14" RED 165 AT 24" O.C.

14" RED 165 AT 24" O.C.

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14" RED 165 AT 24" O.C.

14" RED 165 AT 24" O.C.

14" RED 165 AT 24" O.C.
VOID
HT PER ARCH
"W"
3" CLR.
1
1
1
1
1
POST
PB66
THICKENED FTG
PER
S302
(8) #5 W/ STD HOOK
(3) #3 TIE @ 2" O.C. AT TOP & 6" O.C. THEREAFTER
FTG PER 1" NON-SHRINK GROUT
15# BLD'G PAPER
3/4" CHAMFER
S302
"W"
2" 4" 4"
1/4 1/4
GALV. ) 1"x8"x8" W/ (4) 3/4" x 10" HEADED STUDS AT 5" O.C.
GALV. KERP E 1/2" W GALV.
(2) 3/4" HEB W RECESSED HOLE
GALV. E ("W") 3/4" H
(4) 3/4" x 10" HEADED STUDS AT 5" O.C.
3/4" CHAMFER
1/8" SG. CONC. PLINTH
FR M BLDG PAPER
1/2" W/ GALV.
(2) 3/4" M.B. W/ RECESSED HOLE
2" 4" 4"
CLR 3"
1'-0" MIN.
18" SQ. CONC. PLINTH
12/27/2023
BID SET
MOUNTAIN VIEW LIBRARY
10111 US HIGHWAY 12, WHITE PASS
RANDLE, WA 98377
BID SET
S304
**DIAPHRAGM SCHEDULE**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>NAILS</th>
<th>PANELING</th>
</tr>
</thead>
<tbody>
<tr>
<td>WALL EDS</td>
<td>6d</td>
<td>OSB</td>
</tr>
<tr>
<td>SUPPORTED</td>
<td>8d</td>
<td>OSB</td>
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</tbody>
</table>

**NOTES:**

- COLLECTOR constitutes as the boundary of (2) DIAPHRAGMS, PROVIDE (2) ROWS OF DIAPHRAGM BOUNDARY NAILING.

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TYPICAL BEAM TO COLUMN CONNECTION WITH BEAM DEPTHS UNEQUAL BY GREATER THAN 7½" AS PER PLAN.

1. SDS 1/4" x 3" SCREWS WHERE 2" STUD BEARS ON % 1/4" - PROVIDE RBC & NAIL W/ 0.145" P.A.F.
2. % 1/4" x 1/2" LARGER THAN COL. OR 1/2" SMALLER THAN DBL. TOP % WHICHEVER IS GREATER.

NOTE: PROVIDE THIS HANGER ASSEMBLY AT 4'-0" ON CENTER MAXIMUM EXCEPT AT STACK AREAS 1'-0" ON CENTER MAXIMUM - VERIFY WITH WALL MANUFACTURER.

1. GIRDER SIMPL. HESS 90° ANGLE LH # 15" Galv. W/ SDS SCREWS TO DECKING AND ELEK. W/ PER PER.
2. SHIM BWN. FH & CHS AS REQ'D.

EDGE FASTENERS PER PLAN - TYP.

NOTES:
1. DECKING SHALL BE INSTALLED WITH TYPE IV CONTROLLED RANDOM LAYUP END MATCHED AND WITH TONGUES UP THE SLOPE.
2. SEE PLANS FOR LOCATION OF DECKING AND THICKNESS REQUIRED.

TYPICAL FOLDING WALL SUPPORT AT HOOD BEAM.

1. SUPPORT TYP.
2. 1" TYP.
3. EDGE
4. 1½" TYP.

NOTE: PROVIDE THIS HANGER ASSEMBLY AT 4'-0" ON CENTER MAXIMUM EXCEPT AT STACK AREAS 1'-0" ON CENTER MAXIMUM - VERIFY WITH WALL MANUFACTURER.

TYPICAL ROOF DECKING LAYUP AND FASTENERS.

1. GALV SIMPL. FOLDING WALL ASSEMBLY VERIFY W/ FOLDING WALL MFR.
**SPRINKLER ATTACHMENT**

**PER SPRINKLER CONTR.**

2x4 EA. SIDE

**NOTES:**

FOR LINES GREATER THAN 3" DIAMETER HANG FROM GLULAM BEAMS OR STUD WALL, OR HANG PER SPECIFICALLY APPROVED BY STRUCTURAL ENGINEER.

**TYPICAL SPRINKLER LINE ATTACHMENT FOR LINES 3" DIAMETER OR SMALLER**

3" MIN.

MAX. LOAD = 90# EA. HGR

1/2") M.B.

6" MAX.

9" MIN.

**U44 JST**

**HGR - TYP.**

2x4 EA. SIDE

OF 2x JST

NUT & WASHER

(2) 2x4 W/PW. AT HGR

MIN. SUPPORT ROD

FOR MECH. UNIT OR OTHER HANGING LOADS

(BY MECH.)

**NOTES:**

1. ALL FRAMING SHOWN BY GENERAL CONTRACTOR (EXCEPT BY SPRINKLER CONTRACTOR IF USED FOR SPRINKLER LINES.)

2. ALL JOIST OR DRILL THROUGH JOIST.

3. MAINTAIN SUPPORT LOAD 500 POUNDS.

**TYPICAL DETAIL FOR HANGING LOADS FROM 2x JOIST (ALL HEAT PUMPS, R FANS OR E FANS OVER 90 POUNDS)**

SHT'G EDGE NAILING

TRUSS PER PLAN

WHERE INDICATED ON PLAN

2x6 @ 48" O.C.

W/ Z2 AT EA. END

DBL. TOP 3 - LAP SPLICE PER S401

STUD WALL - JST TO BEAR DIRECTLY OVER STUD

WHERE INDICATED ON PLAN

2x BLK'G AT 48" O.C. - SCL AT SIM.

TYPICAL I-JOIST BEARING AT WALL EDGE

SOLE NAIL

A35 @ 16" O.C.

SHT'G & FLR AT SIM.

EDGE NAILING

STUD WALL - JST TO BEAR DIRECTLY OVER STUD

WHERE INDICATED ON PLAN

A35 AT 16" O.C.

TYPICAL I-JOIST BEARING AT BEAM (EACH SIDE)

EDGE NAILING

EDGE NAIL

SHT'G

FUR AT SIM.

CONT. 2x RH JST

A35 @ 16") O.C.

STUD WALL

2x BLK'G

2x JST

EDGE NAIL

2x STUDS

SOLE NAIL

A35 @ 16") O.C.

SHT'G

EDGE NAIL

2x STUDS

A35 @ 16") O.C.

SHT'G

EDGE NAIL

2x STUDS

SOLE NAIL

A35 @ 16") O.C.

SHT'G

EDGE NAIL

2x STUDS

SOLE NAIL

A35 @ 16") O.C.

SHT'G

EDGE NAIL

2x STUDS

SOLE NAIL

A35 @ 16") O.C.

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A35 @ 16") O.C.

SHT'G

EDGE NAIL

2x STUDS

SOLE NAIL

A35 @ 16") O.C.

SHT'G

EDGE NAIL

2x STUDS

SOLE NAIL

A35 @ 16") O.C.
Typical Sprinkler Line Attachment for lines 3” or smaller

NOTES:
1. All framing shown by General Contractor (except by Sprinkler Contractor if used for sprinkler lines.)
2. Do not cut or drill thru joist.
3. Maximum support load 500 pounds.

Typical Detail for Hanging Loads from I-Joist (all heat pumps, R F fans or E fans over 90 pounds)

I-JST - SLOPED ODDS AT SIM.

Typical Sprinkler Line Attachment for lines greater than 3" diameter hang from Glulam Beams or Stud wall or hang per 2/S-601 or support off walls with specifically approved by Structural Engineer.

Notes:
1. All framing shown by General Contractor. Sprinkler Contractor if used for Sprinkler Lines.
2. Do not cut or drill thru joist.
3. Maximum support load 90# per stud.

Typical Details for Hanging Loads from I-JST.

1. All Framing shown by General Contractor (except by Sprinkler Contractor if used for Sprinkler Lines.)
2. Do not cut or drill thru joist.
3. Maximum support load 500 pounds.
2x DECKING SHT'G JST PER PLAN

S401 2 1/2” BEVELED 3x W/ 20d @ 8” O.C.

2x RIM JST

BEVELED 3x W/ 20d @ 8” O.C.

RBC @ 12” O.C.

CS16x36 EA. JST

OVERHANG PER ARCH

2x T&G DECKING

ROOF SHT'G

2x DECKING SHT'G

JST PER PLAN

I-JST PER PLAN

1-JST PER PLAN

SHT'G

STUD WALL

DBL TOP PER

1

S401

STUD WALL

HEADER AT SIM.

STUD WALL

DBL TOP PER

1

S401

STUD WALL

HEADER AT SIM.

STUD WALL

DBL TOP PER

1

S401

STUD WALL

HEADER AT SIM.

STUD WALL

DBL TOP PER

1

S401

STUD WALL

HEADER AT SIM.

STUD WALL

DBL TOP PER

1

S401

STUD WALL

HEADER AT SIM.

STUD WALL

DBL TOP PER

1

S401

STUD WALL

HEADER AT SIM.

STUD WALL

DBL TOP PER

1

S401

STUD WALL

HEADER AT SIM.
A PRESSURE DROP OF 4.0 PSI PER 100 FT. A MAX VELOCITY OF 7FT/SEC.

2. UNIT TO BE MOUNTED ON WALL HUNG PLATFORM.

1. DESIGN BASIS: AO SMITH ENJB-30

SIZING PER 2021 UPC APPENDIX A TABLE 103.1, CHARTS 103.1(1), 103.1(2), AND 105.1(1) AND THE BUILDING SUPPLY PRESSURE OF 60 PSIG AND MARK (KW) CAPACITY AT 100º F WEIGHT

| WH-1 TANK TYPE, LOW BOY REST ROOMS, MOP SINK | 4.5 | 120 | 1 | 0.94 | 2 | 8 | 21 | 335 |
| 1-1/2" | 5 | 5 | 15 | 32 |
| 1-1/4" | 3 | 3 | 6 | 22 |
| 3/4" | 7 | .5 | - | 6 |
| 1/2" | 2 | - | 2 |
| 2" | 2 | 20 | 110 | 65 |
| 1" | 1 | 5 | - | 12 |

BRANCH PIPE SIZING CHART

2. TOTAL DFU LOAD ALLOWED ON 4"W AT 1% SLOPE = 173.

1. SIZED PER 2021 WPC TABLE 703.2

NOTES:

MAIN SIZE (IN) | 4 |
PIPE SLOPE (%) | 1 |
TOTAL DRAINAGE FIXTURE UNITS | 17 |
MOP SINK | 1 | 3 | 3 |
LAVATORY | 2 | 1 | 1 | 2 |
FLOOR DRAIN | 2 | 2 | 2 | 4 |
WATER CLOSET (FLUSH VALVE) | 4 | 6 | 0 |

FIXTURE UNITS PER AX SUPPLY:

FLUSH VALVES

2021 WPC - NO FIXTURE UNITS PER AX SUPPLY

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>FIXTURE</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>TRIM / FITTINGS</th>
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</thead>
<tbody>
<tr>
<td>WC-1</td>
<td>WATER CLOSET FLUSH VALVE, FLOOR MOUNT, ADA AMERICAN STANDARD</td>
<td>3</td>
<td>461.001 &quot;MADERA&quot;</td>
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<td></td>
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<tr>
<td>CO-3</td>
<td>CLEANOUT W ALL TYPE JAY R. SMITH</td>
<td>4000 SERIES</td>
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<tr>
<td>CO-2</td>
<td>CLEANOUT INTERIOR, TO FINISHED FLOOR JAY R. SMITH</td>
<td>4250</td>
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<td>CO-1</td>
<td>CLEANOUT EXTerior, TO GRADE JAY R. SMITH</td>
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<tr>
<td>MS-1</td>
<td>MOP SINK CORNER MOUNT STERN-WILLIAMS SBC-1700 &quot;CORLOW&quot;</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>DF-1</td>
<td>DRINKING FOUNTAIN WALL MOUNTED, DUAL HEIGHT, ADA, WITH BOTTLE FILLER HAWES MODEL 1119, 1920</td>
<td></td>
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<td></td>
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</tbody>
</table>

EQUIVALENT MODELS BY ALTERNATE MANUFACTURERS ARE ALSO ACCEPTABLE. APPROVED MANUFACTURERS: AMERICAN STANDARD, KOHLER, TOTO, JUST, ELKAY, MOEN, FIBER-FAB, AQUAGLASS, LASCO, ELJER, STERN-WILLIAMS, HAWS, JAY R. SMITH, MIFAB, SIOUX CHIEF AND ZURN.

WASTE SERVICE CALCULATION

<table>
<thead>
<tr>
<th>FIXTURE</th>
<th>WATER SERVICE UNIT (WSFU)</th>
<th>WATER (GAL)</th>
<th>GPM</th>
<th>TOTAL GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER CLOSET</td>
<td>1</td>
<td>4</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>LAVATORY</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>FLOOR DRAIN</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>WASTE</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
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</tbody>
</table>

TOTAL (GAL) = 10, (GPM) = 18

PLUMBING CONNECTION SCHEDULE

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<thead>
<tr>
<th>PROJECT</th>
<th>DESCRIPTION</th>
<th>PROJECT #</th>
<th>REV</th>
<th>DATE</th>
<th>SCHEDULE</th>
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<tr>
<td>TIMBERLAND REGIONAL LIBRARY DIST.</td>
<td>ELECTRIC WATER HEATER</td>
<td>22048</td>
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<td>BID SET</td>
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<td>MOUNTAIN VIEW LIBRARY</td>
<td>PLUMBING SCHEDULES</td>
<td>10111 US HIGHWAY 12, WHITE PASS</td>
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<td></td>
<td></td>
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<tr>
<td>RANDLE, WA 98377</td>
<td></td>
<td></td>
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<td></td>
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<tr>
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<td></td>
<td></td>
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</table>

Since 1979

Contact:

Phone: (503) 892-1190

6915 SW Macadam Ave.
Portland, Oregon, 97219
Suite #200
6915 SW Macadam Ave.
Portland, Oregon, 97219
Suite #200

P101
1. PRIMER LINES SHALL RUN DOWN THROUGH FLOOR AND SLOPE TO DRAIN.
2. H = 1 FT. FOR EVERY 20 FT. OF LONGEST PRIMER LINE OR PER MANF.
3. TRAP PRIMER VALVE MUST BE 12 IN. MINIMUM ABOVE FINISHED FLOOR.
4. CW SERVICE LINE MUST BE 1-1/2" OR LESS, OR PER MANF. RECOMMENDATIONS.

1/2" PRIMER LINE, TYP. (1 PER TRAP)
IF REQUIRED
UNION, TYP.
ACCESS PANEL IN WALL

NOTES:
1. PRV LOCATED ON SITE, REFER TO CIVIL DRAWINGS.

UNION
LINE SIZED BALL VALVE
SEAL WATER TIGHT
SERVICE SHUTOFF
24'' MIN.
SLAB
FLOOR SLAB
SLEEVE THRU
STRAINER
PRESSURE GAUGE
WITH BLOW DOWN VALVE AND CAP (0-120 PSIG)
CW TO BUILDING
ELECTRIC
WATER HEATER
SET @ 120°F

3/4" PLYWOOD 40/20 APA RATED SHEATHING
UNISTRUT ANGULAR FITTING, TYP.
UNISTRUT P1000
UNISTRUT BRACKET FITTING
UNISTRUT P1001

HOT WATER
COLD WATER
MOUNT BOTTOM OF WATER HEATER 6'-0" OFF FINISHED FLOOR
3/4" DRAIN TO JANITOR SINK
SECURE WATER HEATER TO WITHSTAND SEISMIC 3 CONDITION PER CODE REQUIREMENTS
ASME CODE PRESS-TEMPERATURE RELIEF VALVE, PIPE TO OVER SINK DRAIN
24" THERMAL LOOP
1" THERMOMETER
3 GAL EXPANSION TANK 16" MAX

C.I. FERRULE WITH THREADED BRASS COUNTERSUNK PLUG
TWO WAY CLEANOUT FITTING
20"X14"X5" CONCRETE
EXTEND PIPING TO GRADE AS REQUIRED

T.I.
WH
WH
COVER

CAST IRON PIPE FURNISHED WITH CLEANOUT BOX
CLEANOUT BOX
CLEANOUT PLUG
CAST IRON PIPE FURNISHED WITH CLEANOUT BOX
CLEANOUT TEE WITH COUNTERSINK PLUG AND ACCESS COVER

NOTE: WALL CONNECTIONS AND ADEQUACY OF WALL SUPPORTS SHALL BE DESIGNED AND VERIFIED BY A REGISTERED ENGINEER.
## OUTSIDE AIR VENTILATION SINGLE ZONE SYSTEMS

<table>
<thead>
<tr>
<th>Room Description</th>
<th>Class</th>
<th>CFM</th>
<th>Voltage</th>
<th>PH</th>
<th>W</th>
<th>MCA</th>
<th>FLA</th>
<th>Drive</th>
<th>RPM</th>
<th>Capacity</th>
<th>Cooling HP</th>
<th>Heating HP</th>
<th>Heating Aux</th>
<th>Steps</th>
<th>Min</th>
<th>Max</th>
<th>Weight</th>
<th>Comments</th>
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## ENERGY RECOVERY VENTILATOR

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<th>Service</th>
<th>CFM</th>
<th>Width</th>
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<td>115</td>
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<td>750</td>
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<td>750</td>
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## ELECTRIC DUCT HEATER

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<th>COMMENTS</th>
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<tr>
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## TRANSFER FAN

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## ROOF HOOD

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<th>WEIGHT</th>
<th>COMMENTS</th>
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## NOTES:
- Provide damper in duct branch to diffuser.
- Provide motorized dampers at OSA and EXH.
- Provide manufacturer's controls, PZ-62DR-EA.
- Based on AHRI 1060 standard conditions.
- Energy calculation performed per the 2010 National Electric Code.
KEYED NOTES
1 PROVIDE GRILLE TO SERVE RETURN DUCTS FOR FC-1, FC-2, & ERV-1. LOCATE BOTTOM OF GRILLE 0'-6" AFF.
2 ROUTE DUCTWORK UP TO LEVEL ABOVE, REFER TO SHEET M203 FOR CONTINUATION.
3 ROUTE REFRIGERANT PIPING UP IN EXTERIOR WALL TO MECHANICAL LEVEL. PROVIDE COVERS & SUPPORTS AS REQUIRED & INSTALL IN AN ORDERLY MANNER.
1. Diffuser frame shall match architectural ceiling type.
2. In non-lay-in ceilings, provide 18'' x 18'' minimum access panel or remote operator for balancing damper. Coordinate location with architect.
3. If duct size is different from diffuser neck size, provide transition fitting at diffuser neck.

Notes:
- Seal cut edges of fiberboard, typ. 6 lb. density fiberboard plenum square neck, size as indicated on plans.
- Fasten diffuser to ceiling grid with screw.
- Fasten plenum to diffuser with screw.
- Use rigid elbow to make final connection to diffuser.

---

**Branch Duct Fitting**

- Five piece 90° elbow, round or oval ducts,
- 90° pattern,
- Of less than 5 pieces not acceptable.
- Radius = 1-1/2 "D".
- 45° elbows, use where round elbows less than 90° are shown, square elbows less than 90° acceptable with turn vanes.
- Radius = 1.0 "W" is acceptable.
- For velocities < 1800 FPM are shown on floor plans.
- Use this design where 90° elbows are shown.

---

**Duct Transitions**

- Concentric transition
- Eccentric transition

---

**90° Take-Off and Splitter**

- Throat radius = 3/4 "D".
- Heel radius = D + 3/4 "D".
- Recommended slope, 15° maximum slope, 30° maximum.

---

**Typical Duct Take-Off**

- Cushion head detail

---

**Detail - Duct Transitions**

- Detail - Ceiling Supply Diffuser
- Detail - Roof Hood
- Detail - Branch Duct Fitting
- Detail - Duct Elbows

---

**Timberland Regional Library Dist.**

Mountain View Library

10111 US Highway 12, White Pass
Randle, WA 98377

Phone: (503) 892-1188
Fax: (503) 892-1190
Contact: Since 1979

Kori Hansen

---

**Project #**

12/20/2023 11:52:30 AM

**Date**

12/27/2023

---

**M800**

Bid Set
GENERAL NOTES

1. ELECTRICAL DISTRIBUTION SYSTEM IS A "FULLY RATED" SYSTEM.
2. ELECTRICAL DISTRIBUTION SYSTEM EQUIPMENT SHALL MEET OR EXCEED 3-PHASE SYMMETRICAL FAULT CURRENT.
3. PROVIDE CIRCUIT BREAKER PANELS AND INVERTERS TO THE MEANS SPECIFIED IN THE PROJECT SPECIFICATIONS.
4. PROVIDE ELECTRICAL DISTRIBUTION SYSTEM CONDUCTORS TO MEET OR EXCEED 3-PHASE SYMMETRICAL FAULT REQUIREMENTS.

KEYNOTES

1. PROVIDE TRANSFORMER PAD PER UTILITY REQUIREMENTS.
2. PROVIDE TRANSFORMER PANEL AND ASSOCIATED METER SOCKET PER UTILITY REQUIREMENTS.

E002

12/27/2023
### LIGHT FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>#</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER</th>
<th>CATALOG #</th>
<th>LOAD (VA)</th>
<th>COMMENTS</th>
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<tr>
<td>A1</td>
<td>LED</td>
<td>60'' DIAMETER DIRECT/INDIRECT PENDANT</td>
<td>AXIS LIGHTING</td>
<td>SKPE-10005-SL-60/40-CIR-1000-80-35-SO-W-UNV-DP-1-XX</td>
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<td>A3E</td>
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<td>SAME AS TYPE 'A3' EXCEPT EMERGENCY LIGHT</td>
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<td>B2</td>
<td>HEXAGON LED UP/DOWN LIGHT FIXTURE</td>
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<td>TB3DILEDPAT-FF(12')-HEXAGON-OPR(120)-500-500-80-35-BW-SO-W-UNV-DP-1-XX</td>
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<td>C</td>
<td>6'' LED SWITCHABLE WHITE DOWNLIGHT</td>
<td>JUNO WF6 SWW5 (3500K) 90CRI MB</td>
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<td>24'' LED SQUARE VANITY LIGHT</td>
<td>LITHONIA FMVTSL 24IN MVOLT 30K 90CRI BN</td>
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<td>OXYGEN FUSE SERIES, OR APPROVED EQUAL</td>
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<td>F</td>
<td>48'' LED STRIP LIGHT</td>
<td>LITHONIA CSS L48 ALO3(3000LM) MVOLT 35K 80CRI 28</td>
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<td>COOPER METALUX SNX SERIES, OR APPROVED EQUAL</td>
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<td>LITHONIA FMLWL 48 8 35 ZT MVOLT 42</td>
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<td>SQUARE LED SURFACE MOUNTED LIGHT FIXTURE</td>
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<td>M</td>
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<td>SB</td>
<td>LED WEDGE WALL SCONCE</td>
<td>LITHONIA WDGE2 LED P4 35K 80CRI VW MVOLT SRM DBLXD 35</td>
<td>PERFORMANCE IN LIGHTING SHIELD+2 SERIES, OR APPROVED EQUAL</td>
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<td>X1</td>
<td>LED RED EXIT SIGN CEILING MOUNTED SINGLE/DOUBLE SIDED SHOWN ON PLANS</td>
<td>LITHONIA LQC W 1/2 R 1 EMERGI-LITE PRESTIGE SERIES, OR APPROVED EQUAL</td>
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**NOTE:** LIGHT FIXTURE SUBSTITUTIONS MAY BE SUBMITTED FOR REVIEW PER PROJECT SPECIFICATIONS.

### MECHANICAL EQUIPMENT SCHEDULE

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<th>PHASE</th>
<th>LOAD (VA)</th>
<th>HP</th>
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<th>FEE DER (CU)</th>
<th>PANEL</th>
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**REV # DATE DESCRIPTION**

---

**RELAY CONTROL PANEL**

- **LOCATION:** 12/27/2023
- **DESCRIPTION:**

---

**ELECTRICAL SCHEDULES**

- **DATE:** 12/27/2023
- **PROJECT #:** 22048
- **DATE:** 12/27/2023
- **DESCRIPTION:**

---

**LIGHTING SCHEDULES**

- **DATE:** 12/27/2023
- **DESCRIPTION:**

---

**MECHANICAL SCHEDULES**

- **DATE:** 12/27/2023
- **DESCRIPTION:**

---

**E012**

**BID SET**
**GENERAL NOTES**

1. All electrical conduits shall be either concealed in the room ceiling, walls, or floor. No exposed conduit allowed without prior approval of architect. Flex conduit allowed only with prior approval of architect or engineer of record.

2. Coordinate exact location of power, low voltage, and equipment connections with architectural and mechanical drawings prior to rough-in.

3. Coordinate designations "TIC MARKS" may not appear on this drawing. Conductors shall be provided as necessary to accomplish the intent of the circuiting.

4. See E011 for mechanical equipment schedule.

**KEYNOTES**

1. Provide combination power/data floor box rated for concrete pour. Cast aluminum housing and activation lid, brushed aluminum finish trim plate suitable for floor type. Coordinate with architectural finish plans. Provide with (2) duplex receptacles and (2) terminated CAT 6 data cables. Provide Decora style trim plates. LeGrand Wiremold RFB4-CI-NA series or approved equal. Route power circuit to nearest receptacle of same circuit number via 3/4"C. Provide (1) 1"C. from floor box to mechanical mezzanine.

2. Dedicated receptacle/circuit for drinking fountain connected to 20A circuit. Coordinate EXACT LOCATION WITH DRINKING FOUNTAIN INSTALLER PRIOR TO ROUGH-IN.
GENERAL NOTES
1. CONSTRUCTION OPERATIVE WITHIN 30 DAYS OF LABOR TRADES LEGAL LIGHTING PLAN AND
   PLANT.
2. BID WORK SHALL BE SELECTED FROM GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR.
3. LIGHTING PLAN TO BE SIMPLIFIED BEFORE ACCEPTANCE.
4. ELECTRICAL SYSTEMS TO BE SIMPLIFIED BEFORE ACCEPTANCE.
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KEYNOTES
1. Electrics are to be placed wherever they are shown.
2. All work is to be placed wherever it is shown.
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GENERAL NOTES
1. ELECTRICAL CONDUITS SHALL BE EITHER CONCEALED IN THE ROOM CEILING, WALLS, FLOOR, OR EXPOSED. CONDUITS MUST BE RODISH. ELECTRICAL CONDUITS SHALL BE EITHER CONCEALED IN THE ROOM CEILING, WALLS, FLOOR, OR EXPOSED. CONDUITS MUST BE RODISH.
2. CONDUCTOR DESIGNATION "CIRCUIT" MAY NOT APPEAR ON THE ENLARGED CONDUIT PLANS. THE CIRCUIT DESIGNATION MAY APPEAR ON THE CONSTRUCTION DRAWINGS.
3. SEE LIGHTING AND LIGHTING CONTROL PROGRAMMING OPERATIONAL AND DOCUMENTATION NOTES ON SHEET E501 FOR ADDITIONAL REQUIREMENTS.
4. EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED LEG OF EMERGENCY LIGHTING CIRCUIT SERVING DESIGNATED EMERGENCY FIXTURES IN THE SAME AREA.
5. COORDINATE MOUNTING HEIGHT OF EXIT SIGNS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ORDERING.
6. SEE MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS.

KEYNOTES
1. SWITCH FOR MEZZANINE LIGHTS. SEE E501.
PROGRAM USER MANUAL
DIMMING CONTROLS FOR CONTINUOUS DIMMING FROM 100%

THE DIGITAL LIGHTING CONTROL SYSTEM SHALL BE CAPABLE OF RESPONDING TO A LOAD
DAYLIGHT RESPONSIVE SENSORS SHALL BE PROGRAMED TO MAINTAIN THE FOLLOWING
OCCUPANCY SENSORS AND DAYLIGHT RESPONSIVE SENSORS SHALL BE CAPABLE OF
LIBRARY, FLEX, CHILDREN, AND RECEPTION SPACES CONTROLLED BY TIME
SEE DETAIL 3/E501 FOR USER MANUAL CONTROL TYPES AND OPERATION.

THE CONTROL FUNCTIONS OF THE DIGITAL LIGHTING CONTROL SYSTEM INCLUDING BUT
LIBRARY & RECEPTION: 45 FC
BUILDING MOUNTED LIGHTING (EXCLUDING SIGNAGE) SHALL BE AUTOMATICALLY
OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR "VACANCY" FUNCTION. LIGHT
PROJECT CLOSEOUT DOCUMENTATION SHALL INCLUDE A COPY OF THE COMMISSIONING
EXTERIOR LIGHT FIXTURES.

LIGHTING AND LIGHTING CONTROL PROGRAMMING NOTES

1. PROGRAM USER MANUAL, DIMMING CONTROLS FOR CONTINUOUS DIMMING FROM 100%
2. OCCUPANCY SENSORS SHALL BE PROGRAMED FOR "VACANCY" FUNCTION. LIGHT
3. DAYLIGHT RESPONSIVE SENSORS SHALL BE PROGRAMED TO MAINTAIN THE FOLLOWING
4. OCCUPANCY SENSORS AND DAYLIGHT RESPONSIVE SENSORS SHALL BE CAPABLE OF
5. THE DIGITAL LIGHTING CONTROL SYSTEM SHALL BE CAPABLE OF RESPONDING TO A LOAD
6. THE CONTROL FUNCTIONS OF THE DIGITAL LIGHTING CONTROL SYSTEM INCLUDING BUT
7. OCCUPANCY SENSORS AND DAYLIGHT RESPONSIVE SENSORS SHALL BE CAPABLE OF
8. THE CONTROL FUNCTIONS OF THE DIGITAL LIGHTING CONTROL SYSTEM INCLUDING BUT
9. ELECTRONIC DEVICE USING A COMMUNICATION INTERFACE, THE DIGITAL LIGHTING CONTROL SYSTEM SOFTWARE.
10. OCCUPANCY SENSORS AND DAYLIGHT RESPONSIVE SENSORS SHALL BE CAPABLE OF
11. THE DIGITAL LIGHTING CONTROL SYSTEM SHALL BE CAPABLE OF RESPONDING TO A LOAD
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20. THE DIGITAL LIGHTING CONTROL SYSTEM SHALL BE CAPABLE OF RESPONDING TO A LOAD

LOW VOLTAGE LIGHTING CONTROL DIAGRAM

SWITCH DETAIL

TYPICAL ANALOG LIGHTING CONTROL DIAGRAM

TYPICAL EMERGENCY INVERTER ONE-LINE DIAGRAM

LIGHTING AND LIGHTING CONTROL PROGRAMMING NOTES

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