LOWDEN PARK POOL STORAGE BUILDING
APN: 011-210-35

FOR:
WEAVERVILLE/DOUGLAS CITY
PARKS & RECREATION DISTRICT
WEAVERVILLE, CA. 96093

STATE REGULATED WILD LAND FIRE STANDARDS

A. DEFENSIBLE SPACE MUST BE SIGNED OFF PRIOR TO SHEET ROCK INSPECTION.

B. EXTERIOR SIDING PRODUCTS, INCLUDING SHEATHING, TO BE OF APPROVED PRODUCTS (CAL-FIRE URBAN INTERFACE APPROVED).

C. EXTERIOR WALL VENTS TO BE 1/16"-1/8" SCREEN.

D. EXTERIOR DOORS TO BE NON COMBUSTIBLE CONSTRUCTION, OR 1-⅜" SOLID CORE WOOD, OR 20-MIN. FIRE RATED.

E. WINDOWS SHALL HAVE MINIMUM ONE TEMPERED PANE (PER SRA STANDARDS.)

F. DECKING SURFACES TO BE APPROVED PRODUCT. [NON-IGNITABLE, CAL-FIRE URBAN INTERFACE APPROVED]

G. NO. 72 VALLEY FLASH UNDERLAYMENT CAP SHEET RUNNING FULL LENGTH OF VALLEY UNLESS ROOF COVER IS INTERWOVEN.

H. EAVE AND SOFFIT VENTS MUST BE FIRE RATED TO PRECLUDE EMBER AND FLAME ENTRANCE (CAL-FIRE URBAN INTERFACE APPROVED).

I. UNDERSIDES OF EAVES SHALL BE IGNITION RESISTANT OR NON-COMBUSTIBLE.

J. ALL ACCESSORY BUILDINGS SHALL BE AT LEAST 10' FROM PROPERTY LINE OR MUST COMPLY WITH CBC CHPT. 7A.

K. ROOF GUTTERS SHALL BE PROVIDED WITH A MEANS TO PREVENT THE ACCUMULATION OF LEAVES.

BUILDING CODE COMPLIANCE

BUILDING SHALL COMPLY WITH 2019 CALIFORNIA BUILDING CODE (CBC), 2019 CALIFORNIA PLUMBING CODE (CPC), 2019 CALIFORNIA MECHANICAL CODE (CMC), 2019 CALIFORNIA ELECTRICAL CODE (CEC), 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS CODE, 2019 CALIFORNIA FIRE CODE (CFC), 2019 GREEN BUILDING STANDARDS CODES, AND ALL APPLICABLE CODES.

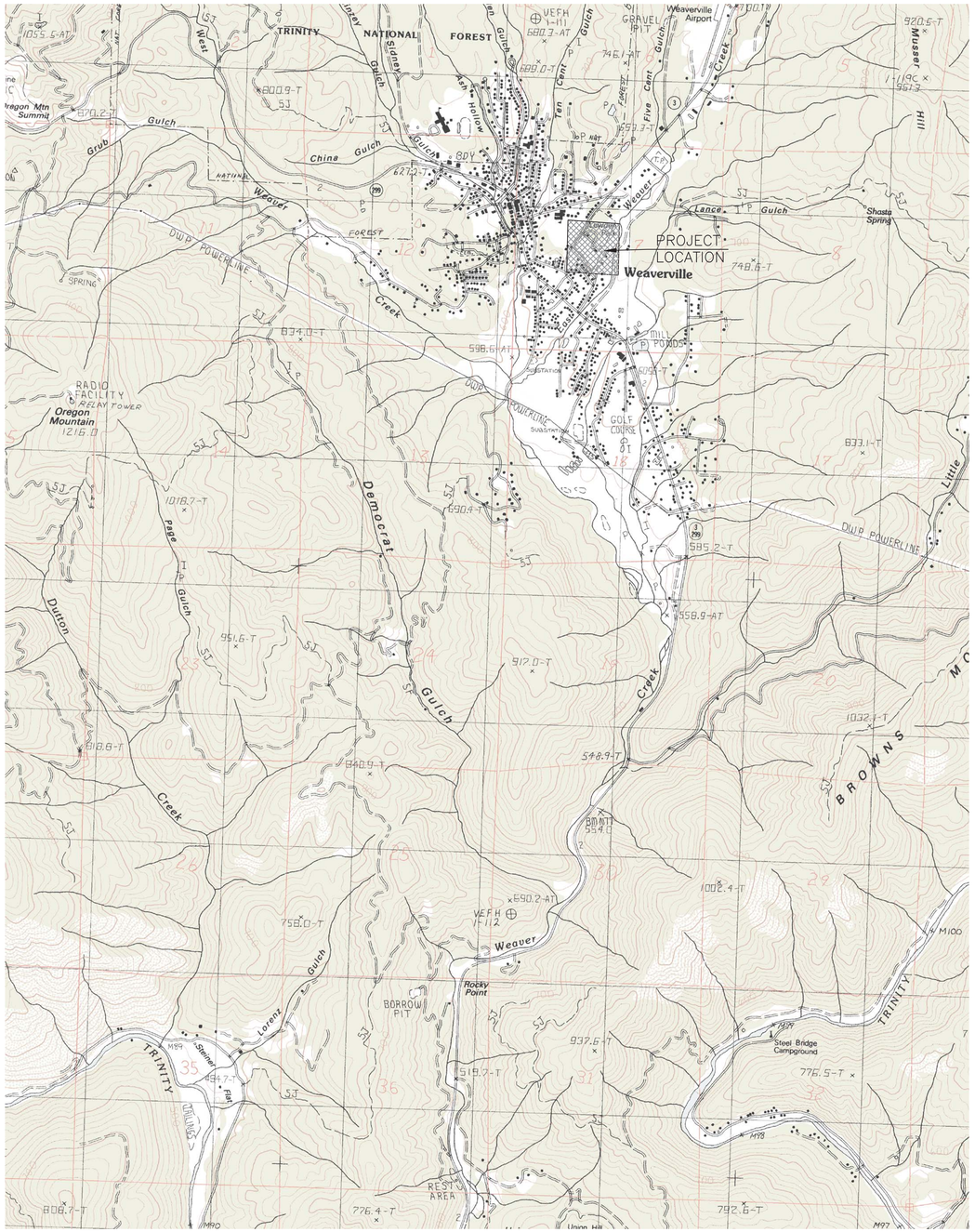
CONTRACTOR ALERT!

CONTRACTOR MUST CONTACT USA DIG AT 800-227-2600 AT LEAST 72 HOURS BEFORE ANY EARTHWORK OR ACTIVITIES THAT MAY IMPACT EXISTING UNDERGROUND UTILITIES.

EXISTING UTILITY ALIGNMENTS BOTH HORIZONTALLY AND VERTICALLY MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITIES.

ABBREVIATIONS

AC	= ASPHALTIC CONCRETE
AB	= AGGREGATE BASE
A.D.	= ALGEBRAIC DIFFERENCE
BC, PC	= BEGIN CURVE
CO	= CLEAN OUT
CL	= CENTER LINE
CMP	= CORRUGATED METAL PIPE
CPCT.	= COMPACT
D	= DELTA
DET	= DETAIL
DRN	= DRAIN
(E)	= EXISTING
EC	= END CURVE
EG	= EXISTING GROUND
EP	= EDGE OF PAVEMENT
FF	= FINISH FLOOR
FG	= FINISH GRADE
FL	= FLOW LINE
GA	= GUY ANCHOR
GV	= GATE VALVE
HC	= HANDICAPPED
HDPE	= HIGH DENSITY POLYETHYLENE PIPE
HF	= HEM FIR
INV	= INVERT
(INT-X)	= INTERSECTION
K	= SIGHT DISTANCE
LAT	= LATERAL
LD.	= LOCAL DEPRESSION
LF.	= LINEAR FEET
LF.	= SEWER LEACH FIELD
LT.	= LEFT
MAS.	= MASONRY
MI	= MILES
MSE	= MECHANICALLY STABILIZED EARTH
(N)	= NEW
NTS	= NOT TO SCALE
O.C.	= ON CENTER
PG&E	= PACIFIC GAS & ELECTRIC
(P)	= PROPOSED
PP	= POWER POLE
PRC	= POINT OF REVERSE CURVE
PT	= PRESSURE TREATED
PVI	= POINT OF VERTICAL INTERSECTION
PVT	= PRIVATE
RT	= RIGHT
RTN	= RETURN
SB	= SET BACK
SDMH	= STORM DRAIN MAN HOLE
SHT	= SHEET
SD	= STORM DRAIN
STA	= STATION
STD.	= STANDARD
TC	= TOP OF CURB
TBC	= TOP BACK OF CURB
TFC	= TOP FACE OF CURB
TOB	= TOP OF BANK
TEL	= TELEPHONE
TP	= TOP OF PAVEMENT
TVCE	= TRINITY VALLEY CONSULTING ENGINEERS
TW	= TOP OF WALL
(TYP)	= TYPICAL
UG	= UNDERGROUND
W	= WATER
WV	= WATER VALVE

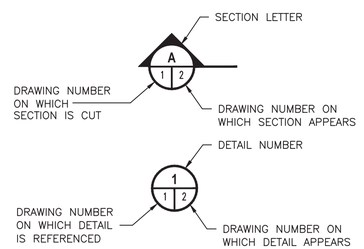


PLAN VIEW
SCALE: NTS

AREA MAP
NTS

VICINITY MAP
NTS

SYMBOLS



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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

WEAVERVILLE/DOUGLAS CITY PARKS & RECREATION DISTRICT
LOWDEN PARK POOL STORAGE BUILDING
WEAVERVILLE, CA. 96093
APN: 001-181-03

TITLE SHEET

TRINITY COUNTY, CALIFORNIA

DRAWN BY: A. DOMINICK
DESIGNED BY: E. KETES
CHECKED BY: E. KETES
APPROVED BY: TVCE

DATE OF ISSUE: MARCH 2022

SCALE: AS SHOWN

PROJECT NO: 1726

DRAWING NO: T01

1" 1/2" 0" 1"

PROJECT NOTES:

1. ALL DIMENSIONS ARE TO THE FACE OF STUDS UNLESS OTHERWISE NOTED, (U.O.N.).
2. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
3. GLAZING WITHIN 24" ARC OF EITHER VERTICAL EDGE OF A DOOR IN THE CLOSED POSITION SHALL BE TEMPERED. SAFETY GLAZING AT WALL, ENCLOSURE OR DOOR FOR TUB, SHOWER, SAUNA, ETC., INCLUDING WINDOW IF BOTTOM IS LESS THAN 60 ABOVE STANDING SURFACE. CRC R308 (ALL MEASUREMENTS ARE TO NEAREST EXPOSED EDGE OF GLASS)

STRUCTURAL DESIGN CRITERIA

1.2019 CALIFORNIA BUILDING CODE.

2.ASCE 7–16, MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.

3.AISC MANUAL OF STEEL CONSTRUCTION, 14TH EDITION.

4.ACI 318–14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.

5.2015 NDS NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION

ENERGY EFFICIENCY

1. IN ORDER TO BE CONSIDERED "GREEN BUILDING" A REDUCTION OF AT LEAST 15% BELOW THE MINIMUM LEVEL OF COMPLIANCE SHOULD BE OBTAINED.

INDOOR WATER USE

2. SEPARATE SUB METERS SHALL BE REQUIRED FOR ALL BUILDINGS OVER50,00 S.F.

3. ACHIEVE 20% REDUCTION IN WATER USE BY USING REDUCED FLOW FIXTURES. SEE CALCULATION FORMS WS–1 & WS–2 OR WS–3 ATTACHED.

OUTDOOR WATER USE

8.A WATER BUDGET SHALL BE DEVELOPED FOR LANDSCAPE IRRIGATION USE. SECTION 5.304.1.

9.FOR NEW WATER SERVICE TO LANDSCAPED AREAS BETWEEN 1,000 S.F. AND5,00 S.F. SEPARATE METERS OR SUBMETERS SHALL BE INSTALLED FOR INDOOR AND OUTDOOR POTABLE WATER USE. SECTION 5.304.2.

10.IN NEW CONSTRUCTION BETWEEN 1,000 S.F. AND 2,500 S.F. OF LANDSCAPED AREA, PROVIDE IRRIGATION CONTROLS CAPABLE OF AUTOMATICALLY ADJUSTING IRRIGATION BASED ON WEATHER OR SOIL CONDITIONS. SECTION 5.304.3. WATER RESISTANCE & MOISTURE MANAGEMENT

11.PROVIDE A WEATHER RESISTANT EXTERIOR WALL AND FOUNDATION ENVELOPE.

12.DESIGN AND MAINTAIN LANDSCAPE SYSTEMS TO PREVENT SPRAY ON STRUCTURES.

13.USE FLASHING AND DRAINAGE PLATES AT EXTERIOR OPENINGS TO PREVENT WATER INTRUSION INTO THE BUILDING.

14. USE NON–ABSORBENT FLOOR AND WALL FINISHES WITHIN 2 FEET OF EXTERIOR OPENINGS.

CONSTRUCTION WASTE REDUCTION, DISPOSAL & RECYCLING

15.PRIOR TO THE ISSUING OF A BUILDING PERMIT, GENERAL CONTRACTOR SHALL DEVELOP A CONSTRUCTION WASTE MANAGEMENT PLAN (CWMP) SHOWING HOW A MINIMUM OF 50% OF ALL CONSTRUCTION DEBRIS WILL BE DIVERTED FROM LANDFILL DISPOSAL. SUBMIT CWMP TO ARCHITECT FOR REVIEW AND APPROVAL. ARCHITECT SHALL FORWARD APPROVED WASTE MANAGEMENT PLAN TO LOCAL BUILDING DEPARTMENT FOR INCORPORATION INTO PERMIT PACKAGE.

16.CONTRACTOR SHALL BE RESPONSIBLE FOR TRACKING ALL CONSTRUCTION WASTE AND SHALL PROVIDE WRITTEN DOCUMENTATION AT THE END OF THE PROJECT FOR BUILDING DEPARTMENT APPROVAL PRIOR TO FINAL SIGNOFF. CONSTRUCTION DEBRIS SHALL BE TRACKED BY WEIGHT OR VOLUME FOR THE ENTIRE PROJECT, BUT NOT IN COMBINATION.

17. DISPOSAL OF HAZARDOUS MATERIALS DO NOT COUNT AS CONSTRUCTION WASTE.

BUILDING MAINTENANCE & OPERATION

18.A READILY ACCESSIBLE AREA OR AREAS SHALL BE PROVIDED AND IDENTIFIED FOR RECYCLING OF PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS, AND METALS BY BUILDING OCCUPANTS.

19. FOR NEW BUILDINGS 10,000 S.F. OR MORE BUILDING COMMISSIONING SHALL BE INCLUDED IN THE DESIGN AND CONSTRUCTION PROCESS FOR THE BUILDING AS REQUIRED IN SECTION 5.410.2.

FIREPLACES

20. ONLY CALIFORNIA APPROVED FIREPLACES MAY BE INSTALLED. POLLUTANT CONTROL

21. ALL HVAC DUCT WORK, EQUIPMENT AND COMPONENTS SHALL BE SEALED THROUGHOUT CONSTRUCTION TO PREVENT CONTAMINATION FROM AIRBORNE POLLUTANTS GENERATED BY CONSTRUCTION ACTIVITIES.

22. ALL FINISH MATERIALS SHALL COMPLY WITH VOC LIMITATIONS SET FORTH IN SECTION 5.504.4.1 THROUGH 5.504.4.4.

INDOOR AIR QUALITY

23. MEET REQUIREMENTS FOR CALIFORNIA TITLE 24.

OUTDOOR AIR QUALITY

24. PROVIDE HVAC, REFRIGERATION, AND FIRE SUPPRESSION SYSTEMS THAT DO NOT CONTAIN CFC'S OR HALONS.

GENERAL REQUIREMENTS

ALL CONSTRUCTION SHALL CONFORM WITH 2019 CALIFORNIA BUILDING CODE AND ALL OTHER APPLICABLE CODES, ORDINANCES, LAWS AND PROVISIONS SET FORTH IN THESE CONSTRUCTION DOCUMENTS. THE CONSTRUCTION DOCUMENTS ARE CONSIDERED TO BE, BUT ARE NOT LIMITED TO, THE PLANS AND SPECIFICATIONS, NOTIFICATIONS, CHANGE ORDERS, ADDENDUMS, CLARIFICATIONS AND INSTRUCTIONS. ANY CONSTRUCTION THAT DOES NOT COMPLY WITH THE CONSTRUCTION DOCUMENTS SHALL BE SUBJECT TO REJECTION BY THE ENGINEER.

CONTRACTOR REQUIREMENTS

DIMENSIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION BETWEEN THE ARCHITECTURAL PLANS AND OTHER PLANS. VERIFY EXISTING DIMENSIONS PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER FOR RESOLUTION.

TEMPORARY BRACING OF THE BUILDING DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. SUCH BRACING SHALL ACCOUNT FOR MATERIAL STOCKPILE LOADS, REMOVAL OF EXISTING SUPPORT AND LOADS, FROM EQUIPMENT AND METHODS EMPLOYED DURING CONSTRUCTION. THE BUILDING SHALL ALSO BE ADEQUATELY BRACED TO WITHSTAND ANY WIND LOADS, SEISMIC, AND SNOW LOADS WHICH MIGHT OCCUR DURING CONSTRUCTION UNTIL THE PERMANENT STRUCTURAL FRAMING SYSTEM, INCLUDING BUT NOT LIMITED TO ALL DIAPHRAGMS, SHEAR WALLS, BRACING, ETC., IS COMPLETED.

WOOD FRAME CONSTRUCTION

U.N.O., FRAMING LUMBER IS TO BE DOUGLAS FIR S4S GRADED AS NOTED BELOW (WWPA GRADING RULES) UNLESS OTHERWISE NOTED OR SHOWN. HIGHER GRADES OF WOOD THAN INDICATED BELOW MAY BE USED AT THE ELECTION OF THE CONTRACTOR TO MINIMIZE TWISTING, WARPING, ETC. BEAMS AND STRINGERS

4X.....NO. 2
6X.....NO. 1

JOISTS, RAFTERS & LEDGERS,2X AND 4X.....NO. 2

POSTS AND TIMBERS.....NO. 1

STUDS, SILLS & PLATES

STUD 2X4.....NO. 2
2X6.....NO. 2

2X8 AND LARGER.....NO. 1

MISC. FRAMING LUMBER NOT NOTED.....NO. 2

LUMBER MOISTURE CONTENT SHALL BE BELOW 19% PRIOR TO INSTALLATION. REDWOOD LUMBER:4X, 6X, AND 8X REDWOOD STRUCTURAL MEMBERS SHALL BE STRUCTURALLY GRADED NO. 1. OTHER MEMBERS SHALL BE ARCHITECTURAL B GRADE.

MUDSILLS, PLATES, LEDGERS, AND OTHER WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY SURFACES SHALL BE AWPB GRADE STAMPED PRESSURE TREATED WOOD. DOUGLAS FIR IS THE REQUIRED SPECIES FOR PRESSURE TREATING. THE PRESERVATIVE TYPE AND RETENTION SHALL MEET THE AWPA STANDARD C2 FOR ABOVEGROUND USE. THE TREATED WOOD SHALL BEAR THE AWPB QUALITY ASSURANCE MARK. PRESSURE TREATED MUDSILLS, PLATES, LEDGERS, AND OTHER MEMBERS SHALL HAVE ALL DRILLED HOLES AND CUT ENDS IN CONTACT WITH CONCRETE OR MASONRY TREATED WITH CUPRINOL OR OTHER SUITABLE CHEMICAL COMPATIBLE WITH THE PRESERVATIVE.

SET ALL MUDSILLS, PLATES, ETC. TO PROPER GRADE. THE FOUNDATION MAY DEVIATE FROM A STRAIGHT GRADE PLUS OR MINUS 1/8 INCH FOR BEARING WALLS AND PLUS OR MINUS 1/4 INCH FOR ALL OTHER WALLS.

ROOF, FLOORS AND WALL SHEATHING SHALL BE PLYWOOD (NO OSB) AND SHALL COMPLY WITH PS–1, PS–2, OR APAPRP–108. EXPOSURE DURABILITY SHALL BE EITHER EXTERIOR OR EXPOSURE 1 UNLESS OTHERWISE SPECIFIED OR SHOWN. MOISTURE CONTENT SHALL BE LESS THAN 19% AT TIME OF FABRICATION. SPAN RATING, THICKNESS, AND NUMBER OF PILES SHALL BE SHOWN ON THE PLANS. ROOF SHEATHING AT OVERHANGS SHALL HAVE VENEER GRADES OF (OR FOR?) C–C PLUGGED OR BETTER.

ROOF AND FLOOR SHEATHING SHALL BE INSTALLED WITH THE FACE GRAIN ACROSS THE SUPPORTS AND THE END JOINTS STAGGERED 4 FEET UNLESS OTHERWISE SHOWN ON THE PLANS. EDGE JOINTS AND END JOINTS OF ALL PANELS SHALL BE SPACED 1/8 INCH APART BETWEEN ADJACENT PANELS UNLESS OTHERWISE INDICATED BY THE PANEL MANUFACTURER.

WALL SHEATHING MAY BE INSTALLED VERTICALLY OR HORIZONTALLY. PANEL EDGES AND ENDS SHALL OCCUR OVER FRAMING OR FULL DEPTH BLOCKING. EDGE NAILING SHALL BE APPLIED FULL HEIGHT TO ALL HOLD DOWN STUDS AND POSTS, AND ALL COLUMNS. WALL SHEATHING PANELS SHALL BE NOT LESS THAN ONE NOMINAL STUD SPACING IN WIDTH NOR 16 INCHES WHICHEVER IS SMALLER.

PLYWOOD NAILS SHALL BE COMMONS OR HOT DIP GALVANIZED BOX NAILS, U.N.O. EDGE NAILING SHALL BE LOCATED AT LEAST 3/8–INCH FROM PANEL EDGES. NAILS SHALL NOT BE OVER DRIVEN SUCH THAT THE NAIL HEAD PENETRATES THE FACE PLY. NAILS IN PRESSURE TREATED WOOD SHALL BE HOT–DIPPED GALVANIZED.

WOOD FRAMING MEMBERS SUCH AS STRUCTURAL SAWN LUMBER; END–JOINTED LUMBER; PREFABRICATED WOOD I–JOISTS; STRUCTURAL GLUED–LAMINATED TIMBER; WOOD STRUCTURAL PANELS; FIBERBOARD SHEATHING (WHEN USED STRUCTURALLY); HARDBOARD SIDING (WHEN USED STRUCTURALLY); PARTICLEBOARD; PRESERVATIVE–TREATED WOOD; STRUCTURAL LOG MEMBERS; STRUCTURAL COMPOSITE LUMBER; ROUND TIMBER POLES AND PILES; FIRE–RETARDANT–TREATED WOOD; HARDWOOD PLYWOOD; WOOD TRUSSES; JOIST HANGERS; NAILS; AND STAPLES SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CBC SECTION 23.

TIMBER CONNECTORS SHALL BE SIMPSON STRONG–TIE UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER. CONNECTORS SHALL BE THE MAXIMUM SIZE AND NUMBER OF FASTENERS AS SHOWN IN THE LATEST CATALOG UNLESS NOTED OTHERWISE ON THE PLANS ("MAX" NAILING U.N.O., INCLUDING TRIANGULAR HOLES). COATING SHALL BE HOT–DIPPED GALVANIZED OR ZMAX WHEN IN CONTACT WITH PRESSURE–TREATED WOOD.

BOLTS IN WOOD SHALL BE A307 MILD STEEL UNFINISHED MACHINE BOLTS IN INTERIOR LOCATIONS AND ZINC PLATED BOLTS SHALL BE USED FOR ALL OTHER CONNECTIONS EXCEPT HOT DIPPED GALVANIZED BOLTS (AND WASHERS) SHALL BE PROVIDED FOR PRESSURE TREATED LUMBER CONNECTIONS. WASHERS SHALL HAVE THE SAME CORROSION RESISTANCE AS THE BOLT. HOLES IN WOOD MEMBERS SHALL BE 1/16" LARGER THAN BOLT DIAMETER.RE–TIGHTEN ALL BOLTED CONNECTIONS PRIOR TO FINAL USE OR COVERING UP. LEDGERS AND MUDSILLS SHALL HAVE AT LEAST ONE BOLT (OR MORE IF REQUIRED ON PLANS) AT EACH END OF EACH MEMBER LOCATED NOT CLOSER THAN 6 INCHES AND NOT FARTHER THAN 9 INCHES FROM THE END. ALL OTHER BOLTS SHALL BE SPACED AS SHOWN ON PLANS.

WASHERS PLATE WASHERS, NOT LESS THAN 0.229 INCH BY 3 INCHES BY 3 INCHES (5.8 MM BY 76 MM BY 76 MM) IN SIZE, SHALL BE PROVIDED BETWEEN THE FOUNDATION SILL PLATE AND THE NUT EXCEPT WHERE APPROVED ANCHOR STRAPS ARE USED. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16 INCH (5 MM) LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 13/4 INCHES (44 MM), PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT.

WOOD SCREWS SHALL BE ZINC PLATED STEEL. PROVIDED THE SIZE SHOWN ON THE PLANS. FULL DEPTH LEAD HOLES ARE REQUIRED OF THE SCREWS ROOT DIAMETER. THE SCREW MUST PENETRATE AT LEAST SEVEN SHANK DIAMETERS INTO THE SUPPORTING MEMBER U.N.O.

SELF–DRILLING WOOD SCREWS (SDWS) SHALL CONFORM WITH THE ABOVE PROVISIONS FOR WOOD SCREWS EXCEPT AS FOLLOWS: SCREWS SHALL HAVE A BUGLE HEAD THE WILL DRIVE FLUSH WITH THE SURFACE; LEAD HOLES MAY BE OMITTED IF SPLITTING OF THE WOOD IS NOT ENCOUNTERED; SCREWS SHALL BE MANUFACTURED BY MCFEELY'S, BUILDEX, OR EQUAL.

SCREWS INSTALLED IN PRESSURE TREATED WOOD OR REDWOOD SUBJECT TO MOISTURE SHALL BE 18–8 STAINLESS–STEEL. NON–MOISTURE EXPOSURE IN THESE SPECIES OF WOOD SHALL UTILIZE MCFEELY'S NO–CO–RODES OR BUILDEX DECK–KING CLIMACOTE SCREWS. ALL OTHER SCREWS SHALL BE ZINC PLATED STEEL.

PLATE CONNECTED WOOD TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER. THE TRUSS DESIGN SHALL BE IN ACCORDANCE WITH THE CURRENT RECOMMENDED DESIGN PRACTICE OF THE TRUSS PLATE INSTITUTE, CBC SECTION 2303.4, AND THE PLANS. THE TRUSS MANUFACTURER WILL SUBMIT A PRELIMINARY TRUSS DESIGN AND LAYOUT PLAN TO THE ENGINEER FOR USE IN THE STRUCTURAL DESIGN OF THE BUILDING. THE CONTRACTOR OR OWNER WILL RETURN TO THE TRUSS MANUFACTURER HIS PRELIMINARY DESIGN INFORMATION PLUS ANY ADDITIONAL INFORMATION NECESSARY FOR USE IN THE PREPARATION OF THE FINAL DESIGN OF THE TRUSSES. THE TRUSS MANUFACTURER SHALL PROVIDE FINAL PLANS, DETAILS AND STRUCTURAL CALCULATIONS FOR THE TRUSSES INCLUDING DESIGN OF ALL NECESSARY WEB AND CHORD BRACING. THE TRUSS MANUFACTURER SHALL SUBMIT THE FINAL DESIGN DOCUMENTS THAT ARE PREPARED AND STAMPED AND SIGNED BY A LICENSED CALIFORNIA CIVIL ENGINEER TO THE ENGINEER FOR HIS REVIEW.

THE ROOF SHEATHING AND CEILING FINISH (IF OCCURRING) ARE INTENDED TO PROVIDE THE PERMANENT LATERAL SUPPORT FOR THE TOP AND BOTTOM CHORDS RESPECTIVELY. THE TRUSS MANUFACTURER SHALL NOTE ON THE SHOP DRAWINGS IF THESE ARE NOT SUFFICIENT. WHERE CEILINGS ARE NOT APPLIED TO BOTTOM CHORD, ADD BRACING PER TRUSS ENGINEERING. ERECTION BRACING IS TO BE FURNISHED AND INSTALLED BY THE ERECTION CONTRACTOR. THE ERECTION CONTRACTOR IS SOLELY RESPONSIBLE FOR THE TEMPORARY LATERAL BRACING OF THE TRUSSES UNTIL THE PERMANENT ROOF AND CEILING MATERIALS ARE COMPLETELY INSTALLED AND IS ALSO RESPONSIBLE TO PLACE COMPRESSION WEB AND CHORD LATERAL BRACING CALLED FOR BY THE TRUSS MANUFACTURER.

ENGINEERING CALCULATIONS FOR VAULTED TRUSSES SHALL DEMONSTRATE THAT EACH TRUSS HAS A COMBINED HORIZONTAL MOVEMENT FOR BOTH ENDS OF LESS THAN 3/4–INCH FOR THE DEAD LOAD PLUS LIVE LOAD.

LAMINATED VENEER LUMBER (LVL) BEAMS ARE TO BE DOUGLAS FIR VERTICALLY LAMINATED AND SHALL BE REDLAM LVL AS MANUFACTURED BY REDBUILT, VERSA–LAM LVL AS MANUFACTURED BY BOISE CASCADE, OR APPROVED EQUAL. THE BEAMS SHALL CONFORM TO ICC ESR 2993, OR ICC ESR 1040 AND SHALL HAVE A MINIMUM MODULUS OF ELASTICITY (E) OF 2.0X10^6 PSI, AND A MINIMUM FLEXURAL STRESS (FB) OF 2900 PSI. U.N.O., MEMBERS SHALL BE A SINGLE PIECE, WHERE MULTIPLE PILES ARE SPECIFIED, THEY SHALL BE NAILED TOGETHER WITH 3 ROWS OF 16DSINKER NAILS @ 12–INCHES ON CENTER, STAGGERED 6–INCHES UNLESS OTHERWISE NOTED. DOUBLE MEMBERS REQUIRE NAILING ON ONE FACE, TRIPLE MEMBERS REQUIRE NAILING ON TWO FACES. FOUR AND MORE LAYER MEMBER REQUIRE NAILING ON EACH LAYER PLUS 2–5/8" BOLT @ 24–INCH O/C.

GLULAM BEAMS ARE TO BE DOUGLAS FIR COMBINATION 24F–V4 FOR SIMPLE SPANS, 24F–V8 FOR CONTINUOUS MULTI–SPANS. GLULAMS ARE TO BE MANUFACTURED IN ACCORDANCE WITH AITC 117, ANSI/AITC A190.1, AND ASTM D3737 FOR DRY CONDITIONS OF USE. NO CAMBER IS NECESSARY UNLESS OTHERWISE SHOWN. BEAMS SHALL BE ARCHITECTURAL–APPEARANCE GRADE. THE FABRICATOR SHALL APPLY END AND SURFACE SEALER. ARCHITECTURAL–APPEARANCE GRADE BEAMS ARE TO BE INDIVIDUALLY WRAPPED. THE ERECTOR IS TO SLIT THE WRAPPING WHEN THE BEAMS ARE DELIVERED TO THE JOB SITE TO ALLOW ENTRAPPED MOISTURE TO ESCAPE. THE FABRICATOR SHALL PROVIDE THE CERTIFICATE OF PERFORMANCE.

PREFABRICATED WOOD I JOISTS SHALL BE RED–I AS MANUFACTURED BY REDBUILT LLC, OR APPROVED EQUAL. I–JOISTS SHALL CONFORM TO ICC ESR 2994. NOTCHING OR DRILLING OF FLANGES IS NOT PERMITTED UNLESS SPECIFICALLY DETAILED ON THE PLANS. WEBS MAY HAVE HOLES CUT PROVIDED THE SIZE, NUMBER AND LOCATION ARE WITHIN THE ALLOWABLE LIMITS AS DEFINED BY THE MANUFACTURER.

IDENTIFICATION

EACH OF THE I–JOISTS SHALL BE IDENTIFIED BY A STAMP INDICATING THE TRUSS SERIES, ICC–ES REPORT NUMBER, MANUFACTURER'S NAME, PLANT NUMBER, DATE OF FABRICATION AND THE INDEPENDENT INSPECTION AGENCY'S LOGO.

REGISTERED PROFESSIONAL ENGINEER
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EXP. 12/31/2023
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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

WEAVERVILLE/DOUGLAS CITY PARKS & RECREATION DISTRICT
LOWDEN PARK POOL STORAGE BUILDING
WEAVERVILLE, CA. 96093
APN: 001–181–03

GENERAL CONSTRUCTION NOTES

TRINITY COUNTY, CALIFORNIA

DRAWN BY: A. DOMINICK
DESIGNED BY: A. DOMINICK
CHECKED BY: E. KEYES
APPROVED BY: TVCE

DATE OF ISSUE: MARCH 2022

SCALE: AS SHOWN

PROJECT NO: 1726

DRAWING NO: T02

1" 1/2" 0" 1"

FOUNDATION

THE FOOTINGS SHOWN ON THE PLANS WERE DESIGNED BY TVCE. THE MAXIMUM ALLOWABLE BEARING CAPACITY IS 2000 PSF UNDER DEAD LOAD PLUS LIVE LOAD. THE ALLOWABLE BEARING PRESSURE IS PERMITTED A 1/3 INCREASE FOR LOAD COMBINATIONS THAT INCLUDE WIND AND SEISMIC LOADS. OVER EXCAVATION OF THE BUILDING PAD AREA IS REQUIRED TO REMOVE EXISTING LOOSE FILLS. IF APPLICABLE, SEE GEOTECHNICAL REPORT FOR OVER EXCAVATION AND COMPACTED FILL REQUIREMENTS.

CONCRETE

ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" EXCEPT AS MODIFIED BY THESE CONSTRUCTION DOCUMENTS. THE CONCRETE FOOTINGS HAVE BEEN DESIGNED FOR A MINIMUM 28–DAY ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI PER CBC TABLE 1808.8.1

CONCRETE INGREDIENTS SHALL CONSIST OF WATER, TYPE II/V PORTLAND CEMENT, FINE AGGREGATE, COARSE AGGREGATE THAT'S INDICATED IN ALL THE TABLE BELOW, AND AIR–ENTRAINING ADMIXTURE WHEN REQUIRED. CLASS F FLY ASH MAY BE SUBSTITUTED FOR UP TO 20 PERCENT OF THE PORTLAND CEMENT, BY WEIGHT, PROVIDED A PROVEN MIX DESIGN IS SUBMITTED FOR THE ENGINEER'S REVIEW.

CONCRETE PROPORTIONS ARE DICTATED BY ITS END USE EXPOSURE. SEVERAL KEY FACTORS DETERMINING THE QUALITY ARE CEMENT CONTENT, WATER–CEMENT RATIO, AGGREGATE GRADING, AIR CONTENT, AND ADMIXTURES. THESE FACTORS ARE PRESENTED IN THE TABLE BELOW. THE TABULAR VALUES ARE BASED ON 1–INCH MAXIMUM COARSE AGGREGATE.

ADDITIONAL CONCRETE NOTES:

1. A SACK OF CEMENT WEIGHS 94 POUNDS. CEMENT CONTENTS MAY BE REDUCED BY 1/4 SACK FOR CONCRETE CONTAINING 1 1/2–INCH COARSE AGGREGATES.
2. THE W/C RATION IS THE WEIGHT OF WATER DIVIDED BY THE WEIGHT OF CEMENT PLUS POZZOLAN. AT THE JOBSITE WHEN THE SLUMP IS LESS THAN REQUIRED FOR PROPER PLACEMENT, WATER MAY BE ADDED TO THE MIX. THE MEASUREMENT OF THE SLUMP AND DETERMINATION FOR THE NEED OF ADDITIONAL WATER SHALL BE MADE AS SOON AS POSSIBLE AFTER THE TRUCK ARRIVAL. WATER CAN BE ADDED AT THE JOB SITE BUT ONLY IF IT CAN BE SHOWN ON A BATCH TICKET THAT THE AMOUNT OF WATER TO BE ADDED IS LESS THAN THAT TRIMMED AT THE PLANT. ADD WATER SHALL NOT EXCEED 2 GALLONS PER CUBIC YARD OF CONCRETE. INSUFFICIENT SLUMP AFTER THE MAXIMUM ADDITION OF ADD WATER SHALL BE CAUSE FOR REJECTION. AT ANY TIME, IF THE SLUMP IS EXCESSIVE THE CONCRETE IS SUBJECT TO REJECTION. IF ADD–WATER INCREASES THE W/C RATIO ABOVE THE TABLE W/C RATIO THE CONCRETE SHALL BE REJECTED.
3. THE TOTAL AIR CONTENT IS MEASURED IN THE CONCRETE AS DEPOSITED IN THE FORMS. THE AIR CONTENT SHALL BE ACHIEVED SOLELY BY THE ADDITION OF AN AIR ENTRAINING ADMIXTURE (AEA).
4. TESTING (A) IS THREE TEST CYLINDERS FOR EACH 150 YARDS OR LESS OF CONCRETE PER DAY; (B) IS TWO TEST CYLINDERS FOR EACH 100 YARDS OR LESS OF CONCRETE PER DAY;(C) IS SLUMP, TEMPERATURE, AND AIR CONTENT OF THE FIRST TRUCK; FROM ALL TRUCKS IN WHICH THE CONCRETE SEEMS TO VARY FROM THE ACCEPTABLE MIX; AND FROM THE TRUCKS FROM WHICH THE TEST CYLINDERS ARE TAKEN.

TABLE OF CONCRETE PROPORTIONS

END USE OF CONCRETE	TESTS (4)	MIN. SACKS OF CEMENT PER C.Y. (1)	MIN. 28–DAY COMPRESSION STRENGTH PSI	MAX. W/C RATION BY WEIGHT (2)	TOTAL AIR CONTENT (3)	SLUMP	WRDA	SUPER PLASTICIZER
SLABS	A, C	6	3000	.45	––	3–5	YES	––
FOOTINGS BELOW GRADE	A, C	5.5	3000	.50	––	3–5	––	––

AGGREGATES FINE AND COARSE AGGREGATES SHALL CONFORM TO ASTM C33. COARSE AGGREGATE SHALL BE TYPICALLY 1 1/2" EXCEPT THAT 1–INCH AGGREGATE MAY BE USED FOR SLABS AND WALLS THINNER THAN 10 INCHES AND FOR ALL PUMPED CONCRETE UNLESS OTHERWISE APPROVED BY THE ENGINEER. 1 1/2–INCH AGGREGATE SHALL NOT BE USED FOR SLABS THINNER THAN 7 INCHES, FOR WALLS THINNER THAN 10 INCHES, NOR COLUMNS LESS THAN16 INCHES IN DIAMETER.

AGGREGATES AND SAND SHALL BE FREE OF MATERIALS THAT ARE SUSCEPTIBLE TO ALKALI–AGGREGATE REACTIVITY (ALKALI–SILICA REACTIVITY AND ALKALI–CARBONATE REACTIVITY).

GRADING OF COMBINED FINE AND COARSE AGGREGATES SHALL FALL WITHIN THE FOLLOWING LIMITS:

PERCENTAGE PASSING BY WEIGHT		
SIEVE NUMBER OR SIZE IN INCHES	1 1/2–INCH MAXIMUM	1–INCH MAXIMUM
PASSING A 2–INCH	––	––
PASSING A 1 1/2–INCH	90–100	––
PASSING A 1–INCH	50–86	90–100
PASSING A 3/4–INCH	45–75	55–100
PASSING A 3/8–INCH	38–55	45–75
PASSING A NO. 4	30–45	35–60
PASSING A NO. 8	23–38	27–45
PASSING A NO. 16	17–33	20–35
PASSING A NO. 30	10–22	12–25
PASSING A NO. 50	4–10	5–15
PASSING A NO. 100	1–6	1–8
PASSING A NO. 200	0–3	0–4

PLACEMENT PRACTICES ARE REQUIRED TO BE IN ACCORDANCE WITH ACI 305 FOR HOT WEATHER AND ACI 306 FOR COLD WEATHER. CONCRETE THAT HAS BEEN BATCHED FOR MORE THAN TWO HOURS IN COLD WEATHER AND ONE AND ONE–HALF HOURS IN HOT WEATHER BEFORE BEING PLACED SHALL AUTOMATICALLY BE REJECTED. CONCRETE SHALL NOT FREE FALL MORE THAN (6) FEET. CONCRETE SHALL BE PLACED USING A TREMIE TUBE OR PUMP HOSE IF STANDING WATER IS PRESENT AND PRIOR TO APPROVAL FROM THE ENGINEER IS OBTAINED.

CONSOLIDATION OF FORMED CONCRETE AND CONCRETE CONTAINING ANCHOR BOLTS, REBAR AND OTHER EMBEDMENT'S SHALL BE ACCOMPLISHED WITH A CONCRETE VIBRATOR. THE SIZE OF THE VIBRATOR SHALL BE SUFFICIENT TO ADEQUATELY CONSOLIDATE THE CONCRETE. TREMIE CONCRETE SHALL NOT BE VIBRATED.

FINISH OF AN INTERIOR SLAB SHALL BE SMOOTH TROWELED EXCEPT WHERE A NON–SLIP SURFACE IS REQUIRED A FINE BROOM FINISH SHALL BE PROVIDED. EXTERIOR SLABS SHALL BE GIVEN A MEDIUM BROOM FINISH.

CURING OF ALL CONCRETE SHALL BE CONTINUOUS FOR AT LEAST 7 DAYS BEGINNING IMMEDIATELY AFTER COMPLETION OF FINISHING. WET CURING OF SLABS USING DAMP BURLAP OR BURLEEN IS REQUIRED. CURING TIME AND PROCEDURES SHALL BE ADJUSTED TO SUIT HOT AND COLD WEATHER CONDITIONS. CURING COMPOUNDS SHALL NOT BE USED ON FLOOR SLABS OR ON CONCRETE SURFACES WHICH ARE TO BE PAINTED, SEALED OR WATERPROOFED. OR WHICH WILL RECEIVE ADHESIVE OR MORTAR BONDED FINISHES OR ON CONCRETE SURFACES EXPOSED TO VIEW WHERE THE CURING COMPOUND WOULD BE OBJECTIONABLE. FORMED WALLS SHALL NOT BE STRIP FOR AT LEAST 7 DAYS AS A METHOD OF CURING THE WALL. KEEP TOP EXPOSED PORTION OF WALL COVERED AND DAMP FOR 7 DAYS MINIMUM.

FORMED SURFACES EXPOSED AFTER CONSTRUCTION SHALL BE UNIFORMLY FLAT AND FREE OF SURFACE DEFECTS SUCH AS BUG HOLDS, FORM BOARD JOINTS, ROCK POCKETS, ETC. FLATNESS TOLERANCE SHALL BE 1/8–INCH BETWEEN ANY TWO POINTS IN 10 FEET. LINE SHALL BE WITHIN 1/4–INCH IN 50 FEET. EXPOSED SURFACES THAT ARE NOT ACCEPTABLE SHALL BE CORRECTED OR REPLACED AS DIRECTED BY THE ENGINEER.

BACKFILL AND OTHER STRUCTURAL LOADING SHALL NOT BE PLACED AGAINST ANY CONCRETE UNTIL SUCH TIME AS THE CONCRETE HAS ATTAINED ITS 28–DAY STRENGTH.

REINFORCING BARS SHALL MEET ASTM A615 GRADE 60 REQUIREMENTS FOR NO. 4 BARS AND LARGER, AND GRADE 400R GRADE 60 REQUIREMENTS FOR SMALLER BARS, EXCEPT THAT BARS WHICH REQUIRE WELDING SHALL MEET ASTMA706 REQUIREMENTS. ALL SPLICES SHALL BE LAP SPLICES WITH LAP LENGTHS AND SPACING CONFORMING TO THE STANDARD DETAILS, U.N.O. WELDING OF REINFORCING BARS SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.4AND WILL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE PLANS AND CONTINUOUSLY INSPECTED BY THE ENGINEER. BEAM, COLUMN, AND VERTICAL WALL REINFORCEMENT SHALL NOT BE SPLICED, EXCEPT AT THE 1/4 SPAN LOCATIONS WHEN NECESSARY OR UNLESS SHOWN OTHERWISE ON THE PLANS.

WATER VAPOR RETARDER SHALL BE PLACED UNDER ALL INTERIOR CONCRETE SLABS UNLESS NOTED OTHERWISE AND SHALL BE A 15–MIL. MINIMUM THICK FILM. THE VAPOR RETARDER SHALL COMPLY WITH ASTM E–1745 CLASS A, WITH A PERMEANCE RATING LESS THAN 0.01 US PERMS. STEGO WRAP BY STEGO INDUSTRIES MOISTOP ULTRA 15 BY FORTIFIBER, VAPOR BLOCK 15 BY RAVEN INDUSTRIES, OR APPROVED EQUAL. LAP THE ENDS AND EDGES OF THE SHEETS 6–INCHES MINIMUM AND TAPE ALL SEAMS PER THE VAPOR RETARDER'S MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS PER THE VAPOR RETARDER'S MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN NOT TO PUNCTURE THE VAPOR RETARDER DURING AND AFTER INSTALLATION. COMPACTED 3/4–INCH AGGREGATE BASE SHALL BE PLACED UNDER THE VAPOR RETARDER. BASE WITH CRUSHED AGGREGATE SHALL BE COVERED WITH A THIN LAYER (1/2–INCH) SAND TO SEPARATE THE VAPOR BARRIER FROM THE AGGREGATE BASE. THE CONCRETE SLAB SHALL BE PLACED DIRECTLY ON THE VAPOR RETARDER. NO SAND OR OTHER MATERIAL IS ALLOWED BETWEEN THE VAPOR RETARDER AND CONCRETE SLAB.

SLAB FLATNESS TOLERANCE SHALL BE 3/8–INCH IN 5 FEET AND 1/2–INCH IN 10 FEET WHERE THE 3/8– AND 1/2–INCH DIMENSIONS ARE THE MAXIMUM DIFFERENCES OVER THEIR RESPECTIVE LENGTHS. FLATNESS TOLERANCES UNDERWOOD FRAME WALLS SHALL MEET THE REQUIREMENTS FOR MUDSILLS IN WOOD FRAME CONSTRUCTION.

DRY PACK MORTAR – PRE–MIXED PREPARED PORTLAND CEMENT MORTARS, WHICH REQUIRE ONLY THE ADDITION OF WATER AND ARE USED IN THE INSTALLATION OF CERAMIC TILE, SHALL COMPLY WITH ANSI A118.1. THE SHEAR BOND STRENGTH FOR TILE SET IN SUCH MORTAR SHALL BE AS REQUIRED IN ACCORDANCE WITH ANSI A118.1. TILE SET IN DRY–SET PORTLAND CEMENT MORTAR SHALL BE INSTALLED IN ACCORDANCE WITH ANSI A108.5.

NON–SHRINK GROUT IS REQUIRED FOR: BASE PLATES AND SILL PLATES WITH LESS THAN 1/2–INCH HEIGHT BETWEEN THE ITEM TO BE SUPPORTED AND THE SUBSTRATE; ITEMS WHICH ARE NOT ACCESSIBLE FOR DRY PACKING FROM TWO OPPOSING SIDES; ITEMS WITH BASE PLATES WHERE THE SMALLEST DIMENSION IS GREATER THAN 24 INCHES; EQUIPMENT OR OTHER SUPPORTS SUBJECT TO VIBRATORY LOADS; AND WHERE NOTED ON THE PLANS. THE NON–SHRINK GROUT FOR HEAVY VIBRATORY LOADS SHALL BE EMBECO 858 GROUT MANUFACTURED BY BASF; HI–FLOW METALLIC GROUT MANUFACTURED BY EUCLID CHEMICAL CO.; OR EQUAL. NON–SHRINK GROUT FOR OTHER APPLICATIONS SHALL BE MASTERFLOW 928 GROUT, MANUFACTURED BY BASF; HI–FLOW GROUT, MANUFACTURED BY ELUCID CHEMICAL CO., OR EQUAL.

NON–SHRINK GROUT SHALL BE CONTAINED BY SUITABLE RIGID FORMS. THE GROUT SHALL BE FLUID OR FLOWABLE DEPENDING ON WHICH IS THE MORE SUITABLE FOR THE PARTICULAR SITUATION. THE SURFACE PREPARATION, MIXING, APPLICATION, AND CURING OF THE GROUT SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS.

EXPANSION JOINT FILLER FOR EXPANSION JOINTS IN FLOOR SLABS SHALL BE 1/2–INCH THICK ASPHALT IMPREGNATED FIBER BOARD MEETING ASTM D–1751, SUCH AS FIBER EXPANSION JOINT BY WR MEADOWS; OR EQUAL. APPLY REMOVABLE CAP TO EXPOSED EDGE OF JOINT FILLER, WHERE APPLICABLE, PRIOR TO INSTALLATION.

REMOVABLE CAP FOR CREATING A VOID FOR SEALANT SHALL BE SNAP–CAP BY WR MEADOWS; OR EQUAL. THE STRIP SHALL CONSIST OF A PERMANENT CAP WHICH FITS OVER THE JOINT FILLER, AND AN UPPER ATTACHED BUT REMOVABLE CAP PIECE THAT IS LIFTED OFF THE LOWER CAP PIECE AFTER THE CONCRETE IS CURED. THE REMAINING JOINT FILLER CAP SERVES AS A SEALANT BOND BREAKER. THE ENTIRE CAP IS APPLIED TO THE EXPANSION JOINT FILLER PRIOR TO ADHERING IT TO THE CONCRETE SURFACE.

FOUNDATION NOTES:

1. ALL FOOTING EXCAVATION SHALL BE AS NEAT AS PRACTICABLE. OVER EXCAVATION IN DEPTH SHALL BE FILLED WITH CONCRETE, AND IN WIDTH MAY BE FILLED WITH CONCRETE OR COMPACTED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM EXCAVATION PRIOR TO PLACEMENT OF REINFORCEMENT, CONCRETE OR ENGINEERED FILL. FOOTING EXCAVATION TO BE 2" WIDER THAN SHOWN UNLESS FOOTINGS ARE FORMED.
2. ALL FOUNDATIONS SHALL BEAR ON FIRM, UNDISTURBED NATIVE SOILS OR ENGINEERED FILL AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS.
3. WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATION PRIOR TO PLACING OF CONCRETE.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/ OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
5. DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE 'ACI DETAIL MANUAL' – 1988.
6. CONCRETE PROTECTION FOR REINFORCING SHALL BE AT LEAST EQUAL TO THE DIAMETER OF THE BARS. MINIMUM COVER FOR CAST–IN–PLACE CONCRETE SHALL BE AS FOLLOWS.

A. POURED OVER EARTH	3"
B. POURED AGAINST FORM BELOW GRADE	2"
C. FORMED SLAB (#11 BARS AND SMALLER)	32/14"
D. SLABS ON GROUND (FROM TOP OF SLAB)	1"
E. COLUMN AND BEAM MAIN BARS, TIES, STIRRUPS, SPIRALS	1½"
F. WALLS EXPOSED TO WEATHER (#6 THROUGH #18)	2"
(#5 BAR & SMALLER)	1½"
G. WALLS NOT EXPOSED TO WEATHER (#11 AND SMALLER)	¾"

7. REINFORCING BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
8. MINIMUM LAP DISTANCE FOR REINFORCING STEEL SHALL BE 24" OR 32 BAR DIAMETERS WHICHEVER IS GREATER.
9. ALL CONNECTORS, FASTENERS, AND METAL OBJECTS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE EITHER STAINLESS STEEL OR HOT–DIPPED GALVANIZED.

CONCRETE NOTES:

1. THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 3000 PSI AND SHALL BE A MINIMUM OF A FIVE SACK MIX WITH NO MORE THAN SEVEN GALLONS OF WATER PER CUBIC YARD..
2. ALL CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK TYPE (150# /CF). MAXIMUM AGGREGATE SIZE FOR SLABS ON GRADE TO BE ¾" AND 1½" FOR FOUNDATIONS. AGGREGATE SHALL CONFORM TO ASTM C–33. CEMENT SHALL CONFORM TO C–150 (TYPE II), UNLESS ALKALINE SOILS. WATER–REDUCING ADMIXTURES, RETARDING ADMIXTURES, ACCELERATING ADMIXTURES, WATER–REDUCING AND RETARDING ADMIXTURES, AND WATER–REDUCING AND ACCELERATING ADMIXTURES SHALL CONFORM TO 'SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE' (ASTM C 494).
3. SLABS, BEAMS, WALLS AND OTHER CONCRETE SHALL BE KEPT CONTINUOUSLY WET FOR 48 HOURS AFTER PLACEMENT AND SHALL BE KEPT DAMP FOR 7 DAYS AFTER PLACEMENT. SLABS SHALL HAVE CURE /SEALER APPLIED IMMEDIATELY AFTER FINISHING IF OTHER FINISHES ARE NOT AFFECTED SUPERIMPOSED LOADS SHALL NOT BE APPLIED TO ELEVATED STRUCTURAL MEMBERS OR WALLS PRIOR TO 7 DAYS MINIMUM AFTER CONCRETE HAS REACHED DESIGN STRENGTH. RESHORING SHALL REMAIN IN PLACE 28 DAYS MINIMUM, AT NO TIME DURING A RESHORING PROCESS SHALL THE CONCRETE MEMBER BE UNSUPPORTED.
4. CONCRETE SHALL NOT FREE FALL MORE THAN SIX FEET.
5. KEYED CONSTRUCTION JOINTS SHALL BE USED IN ALL CASES. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED AND ALL LAITANCE SHALL BE REMOVED. ALL VERTICAL JOINTS SHALL BE THOROUGHLY WETTED AND SLUSHED WITH A COAT OF NEAT CEMENT IMMEDIATELY BEFORE PLACING NEW CONCRETE.
6. PROVIDE CONTROL JOINTS PER PLAN AND /OR EVERY 20 FEET ON CENTER. FILL WITH APPROVED CAULKING.
7. PROVIDE ¾" CHAMFER AT EXPOSED EDGES OF CONCRETE BEAMS AND COLUMNS U.N.O.
8. ANCHOR BOLT SIZES SHALL BE PER THE BUILDING PLANS WITH 7" EMBEDMENT AND (1) 3X3 WASHER 3/16" THICK. ANCHOR BOLTS SHALL BE LOCATED 4' O.C. AND 12" MAX. FROM EDGE WITH A MIN. (2) PER SILL PLATE 12" MAX. FROM EDGE.

REGISTERED PROFESSIONAL ENGINEER
ERIC E. KEYES
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EXP. 12/31/2023
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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

WEAVERVILLE/DOUGLAS CITY PARKS & RECREATION DISTRICT
LOWDEN PARK POOL STORAGE BUILDING
WEAVERVILLE, CA. 96093
APN: 001–181–03

FOUNDATION NOTES

TRINITY COUNTY, CALIFORNIA

DRAWN BY: A. DOMINICK
DESIGNED BY: A. DOMINICK
CHECKED BY: E. KETES
APPROVED BY: TVCE

DATE OF ISSUE: MARCH 2022
SCALE: AS SHOWN
PROJECT NO: 1726
DRAWING NO: T03

1" 1 1/2" 0" 1"

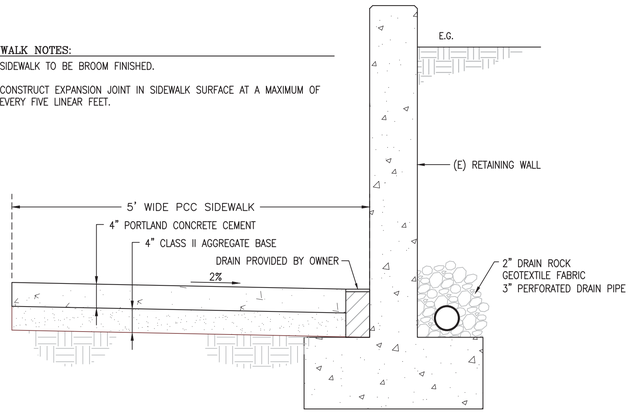
PLOT PLAN
APN: 001-181-03

FOR

WEAVERVILLE/DOUGLAS CITY PARKS & RECREATION DISTRICT
LOWDEN PARK POOL STORAGE BUILDING
WEAVERVILLE, CA. 96093

SIDEWALK NOTES:

1. SIDEWALK TO BE BROOM FINISHED.
2. CONSTRUCT EXPANSION JOINT IN SIDEWALK SURFACE AT A MAXIMUM OF EVERY FIVE LINEAR FEET.



5' PCC SIDEWALK DETAIL
NTS

PROPERTY NOTES

WATER: WCSD
WASTEWATER: WCSD
POWER: TRINITY PUD
PHONE: FRONTIER
CREEKS/STREAMS: NONE
TREES TO BE REMOVED: NONE
GRADING: SEE GRADING PLAN

SURVEY NOTES

A FIELD SURVEY WAS NOT CONDUCTED BY TRINITY VALLEY CONSULTING ENGINEERS (TVCE). A BOUNDARY SURVEY WAS NOT CONDUCTED. ALL PROPERTY LINES DEPICTED ON THESE PLANS REFLECT APPROXIMATE LOCATIONS BASED ON COUNTY RECORDS.

CONTRACTOR ALERT

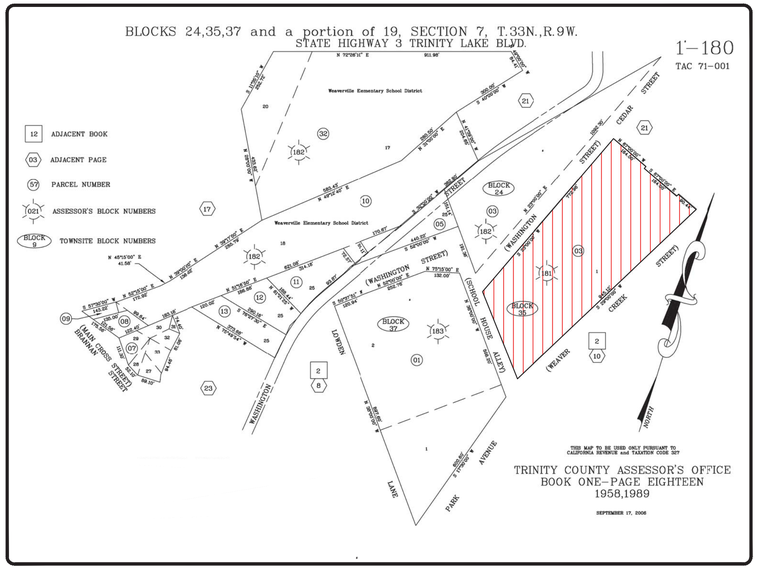
CONTRACTOR MUST CONTACT USA DIG AT 800-227-2600 AT LEAST 72 HOURS BEFORE ANY EARTHWORK OR ACTIVITIES THAT MAY IMPACT EXISTING UNDERGROUND UTILITIES.

EXISTING UTILITY ALIGNMENTS BOTH HORIZONTALLY AND VERTICALLY MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITIES.

SRA REQUIREMENTS

PROVIDE ADEQUATE WATER STORAGE AND DELIVERY AS OUTLINED BY SRA ORDINANCE AND CALFIRE REQUIREMENTS

PROVIDE ADEQUATE TURN AROUND AND PULLOUTS AS OUTLINED BY SRA ORDINANCE REQUIREMENTS AND CALFIRE REQUIREMENTS



SITE VIEW
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SCALE IN FEET
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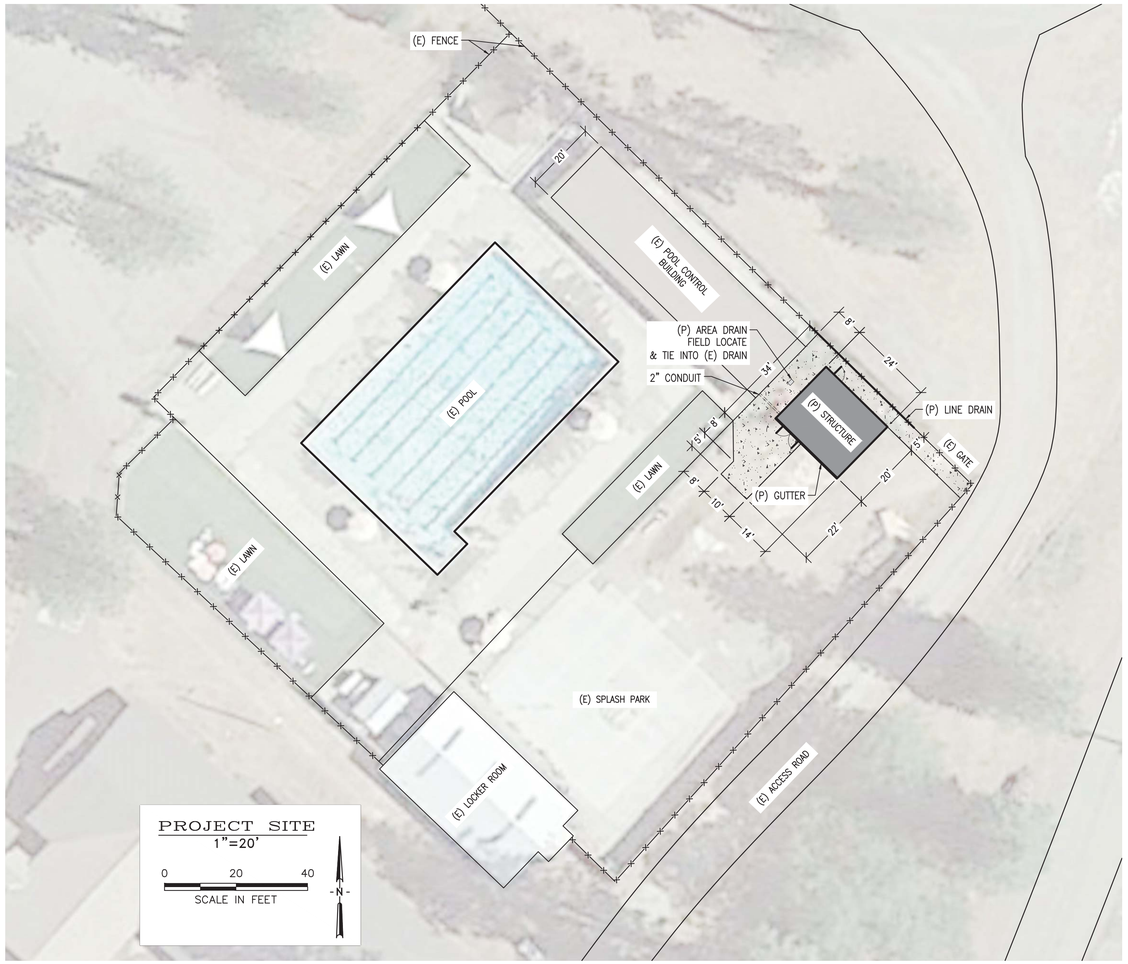

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SCALE IN FEET
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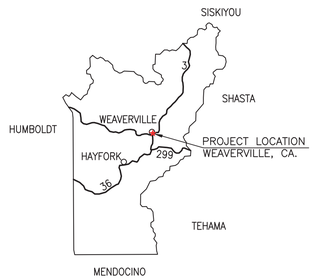
AREA MAP
NTS



VICINITY MAP
NTS

1" 1/2" 0"

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PHONE (530) 629-3000
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DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DATE	REV

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LOWDEN PARK POOL STORAGE BUILDING
WEAVERVILLE, CA. 96093
APN: 001-181-03

PLOT PLAN

TRINITY COUNTY, CALIFORNIA

DRAWN BY: A. DOMINICK
DESIGNED BY: A. DOMINICK
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APPROVED BY: TVCE

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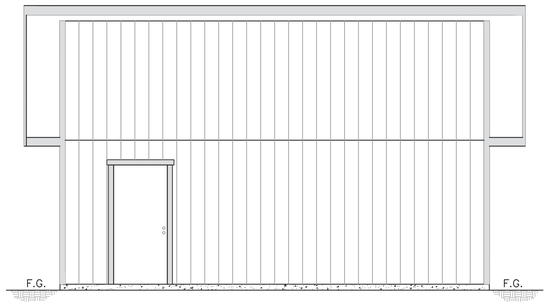
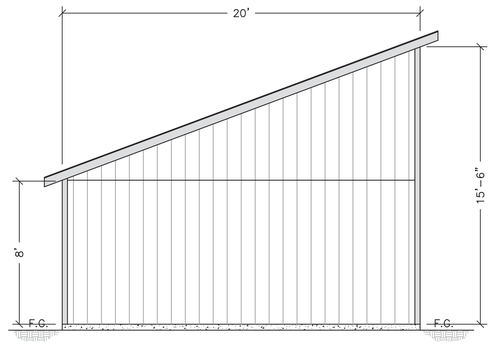
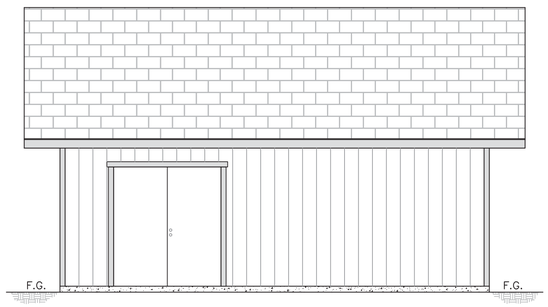


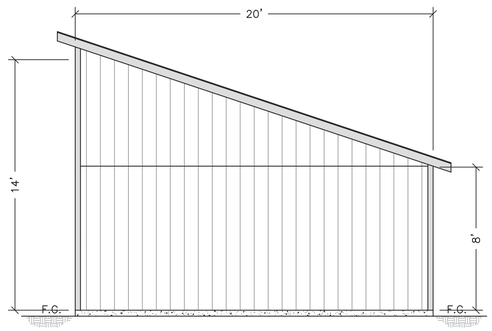
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

REGISTERED PROFESSIONAL ENGINEER
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WEAVERVILLE/DOUGLAS CITY PARKS & RECREATION DISTRICT
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ELEVATIONS

TRINITY COUNTY, CALIFORNIA

DRAWN BY: A. DOMINICK
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APPROVED BY: TVCE

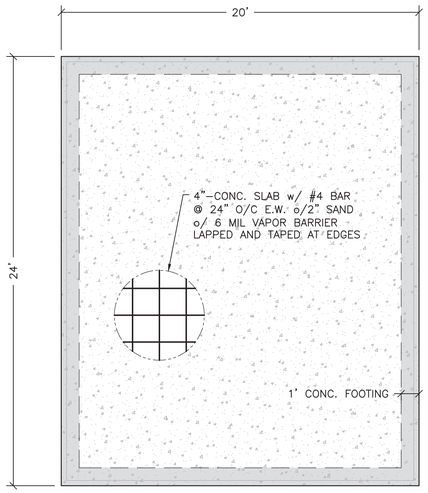
DATE OF ISSUE: MARCH 2022

SCALE: AS SHOWN

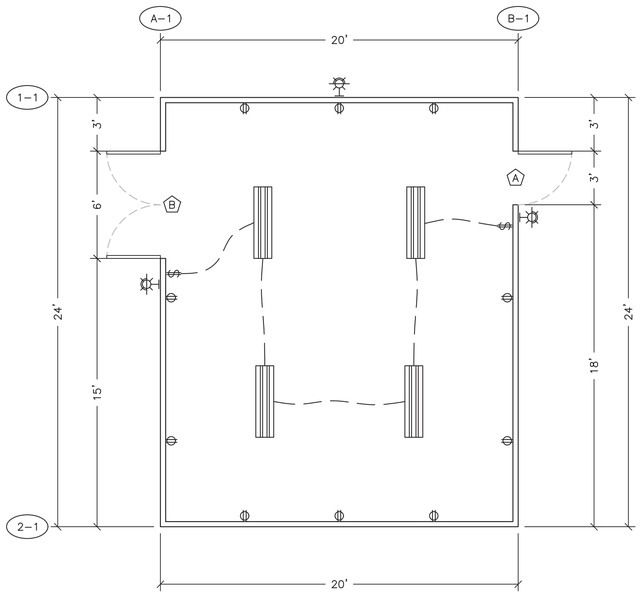
PROJECT NO: 1726

DRAWING NO: S01

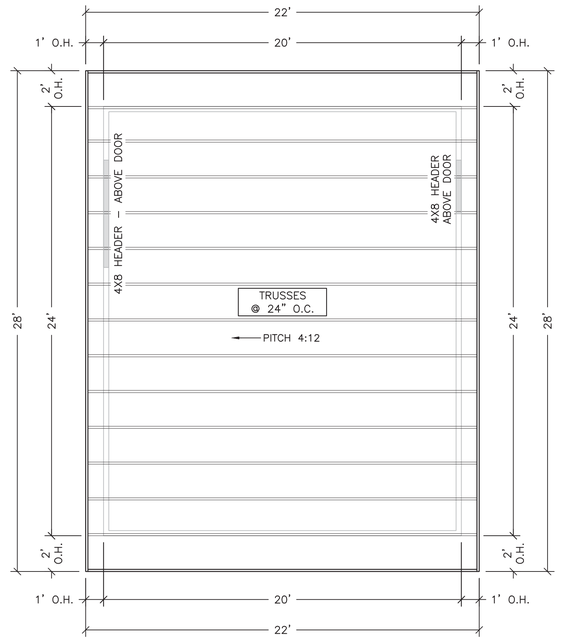
1" 1/2" 0" 1"



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



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



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

ELECTRICAL KEY

- OUTDOOR (2) 13W CPF WALL-MNT. FIXTURE HIGH EFFICACY
- CPF CEILING LIGHT (MAY BE SUSPENDED)
- CPF WALL LIGHT
- 4' /2T LINEAR LED (45W) CEILING/WALL SURFACE MOUNTED LIGHT
- SWITCH
- 120V DUPLEX CONVENIENCE RECEPTACLE

DOOR SCHEDULE

ID	SIZE	NOTES
A	3'-0"x6'-8"	HOLLOW CORE METAL DOOR – 4X8 HEADER
B	6'-0"x6'-8"	HOLLOW CORE METAL DOORS – 4X8 HEADER

SHEARWALL SCHEDULE

WALL LINE	STORY	SHEATHING	FRAMING	NAILING	CONNECTIONS
1–1	1	7/16" CD PLY	2X4 @ 16" O.C.	8D @ 6" EDGE, 12" FIELD	DRILL & EPOZY 5/8" THREADED ROD TO (E) FOUNDATION
2–1	1	7/16" CD PLY	2X4 @ 16" O.C.	8D @ 6" EDGE, 12" FIELD	DRILL & EPOZY 5/8" THREADED ROD TO (E) FOUNDATION
A–1	1	7/16" CD PLY	2X4 @ 16" O.C.	8D @ 6" EDGE, 12" FIELD	DRILL & EPOZY 5/8" THREADED ROD TO (E) FOUNDATION
B–1	1	7/16" CD PLY	2X4 @ 16" O.C.	8D @ 6" EDGE, 12" FIELD	DRILL & EPOZY 5/8" THREADED ROD TO (E) FOUNDATION

ROOF FRAMING NOTES

1. PROVIDE H-1 CLIP (OR EQUAL) @ EA. TRUSS/RAFTER TO PLATE CONNECTION, UNO.
2. ROOF SHEATHING SHALL BE 1/2" CDX NAILED w/ 8d COMMONS @ 6" O/C AT PANEL EDGES OVER FRAMING, AND 12" O/C IN THE FIELD (PANEL EDGES UNBLOCKED).
3. TOP PLATE SPLICE SHALL BE 48" MIN. OVERLAP AND SHALL BE NAILED w/ NO LESS THAN (8) 16d FACE NAILS ON EACH SIDE OF THE SPLICE.
4. PROVIDE MIN. 1/150 ATTIC VENT. w/ CON'T. RIDGE & EAVE/ SOFFIT VENTS.

VENTING NOTES:

1. VENTILATION IS REQUIRED AT A MINIMUM OF $\frac{1}{150}$ OF THE FLOOR AREA.
2. CRAWL SPACE ACCESS IS TO BE THROUGH THE FOUNDATION WALL UNLESS OTHERWISE NOTED ON THE PLAN.
3. MINIMUM CRAWL ACCESS OPENING = 18" X 24" (UNOBSTRUCTED)

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REGISTERED PROFESSIONAL ENGINEER
ERIC E. KEYES
C 90533
EXP. 12/31/2023
CIVIL
STATE OF CALIFORNIA

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

WEAVERVILLE/DOUGLAS CITY PARKS & RECREATION DISTRICT
LOWDEN PARK POOL STORAGE BUILDING
WEAVERVILLE, CA. 96093
APN: 001-181-03

STRUCTURE LAYOUT

TRINITY COUNTY, CALIFORNIA

DRAWN BY: A. DOMINICK
DESIGNED BY: E. KEYES
CHECKED BY: E. KEYES
APPROVED BY: TVCE

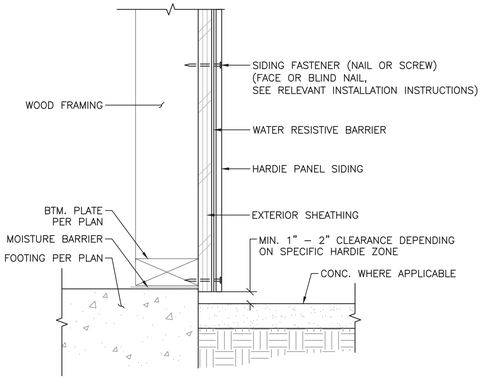
DATE OF ISSUE: MARCH 2022

SCALE: AS SHOWN

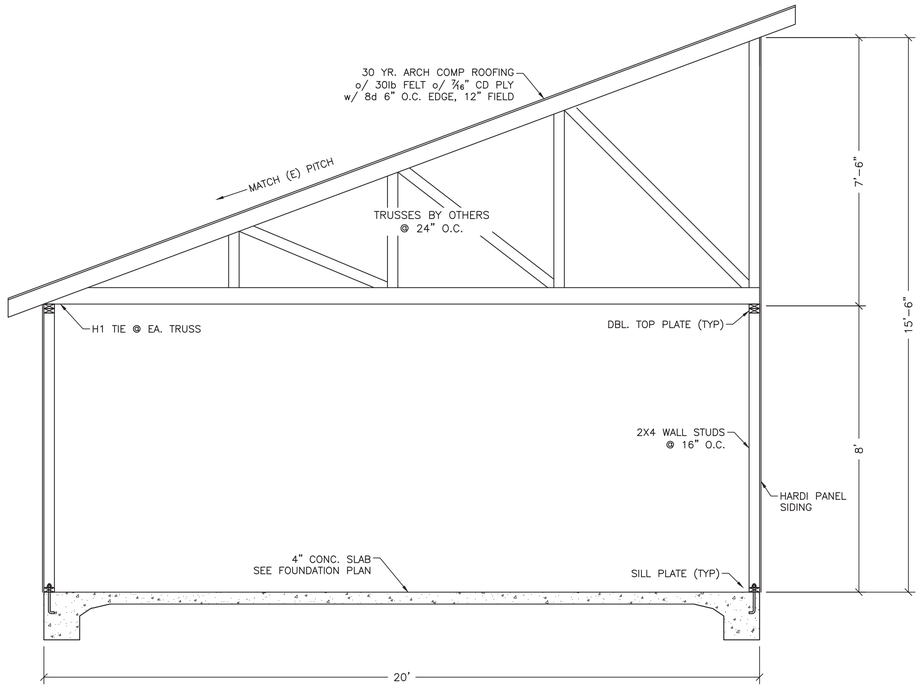
PROJECT NO: 1726

DRAWING NO: S02

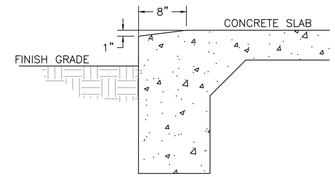
1" 1/2" 0" 1"



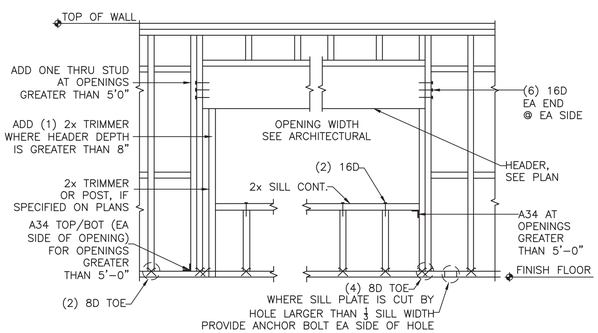
JAMES HARDIE SIDING DETAIL
SCALE: NTS



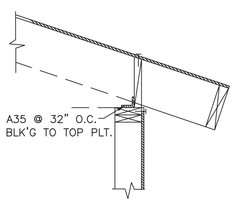
SECTION VIEW
SCALE: 1/2" = 1'-0"



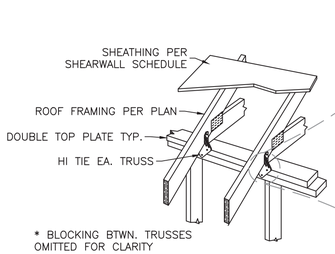
SLAB FOOTING DETAIL
SCALE: NTS



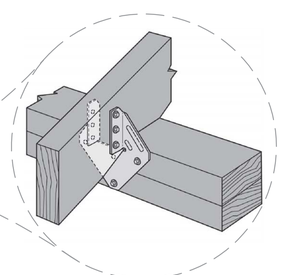
TYPICAL HEADER CONNECTION DETAIL
SCALE: NTS



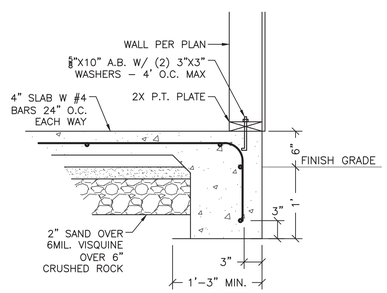
A35 BLK'G. TO TOP PLT. @ ROOF
SCALE: NTS



TRUSS CONNECTION TO WOOD TOP PLATE
SCALE: NTS



H1 TIE DETAIL
SCALE: NTS



SLAB FOOTING DETAIL
SCALE: NTS

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LOWDEN PARK POOL STORAGE BUILDING
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SECTION & DETAILS

TRINITY COUNTY, CALIFORNIA

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DESIGNED BY: E. KETES
CHECKED BY: E. KETES
APPROVED BY: TVCE

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1" 1/2" 0" 1"