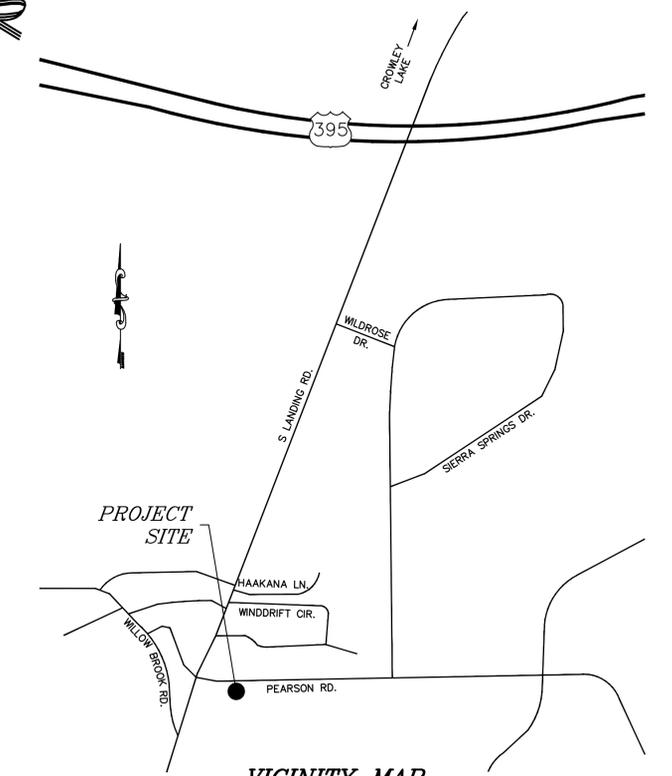
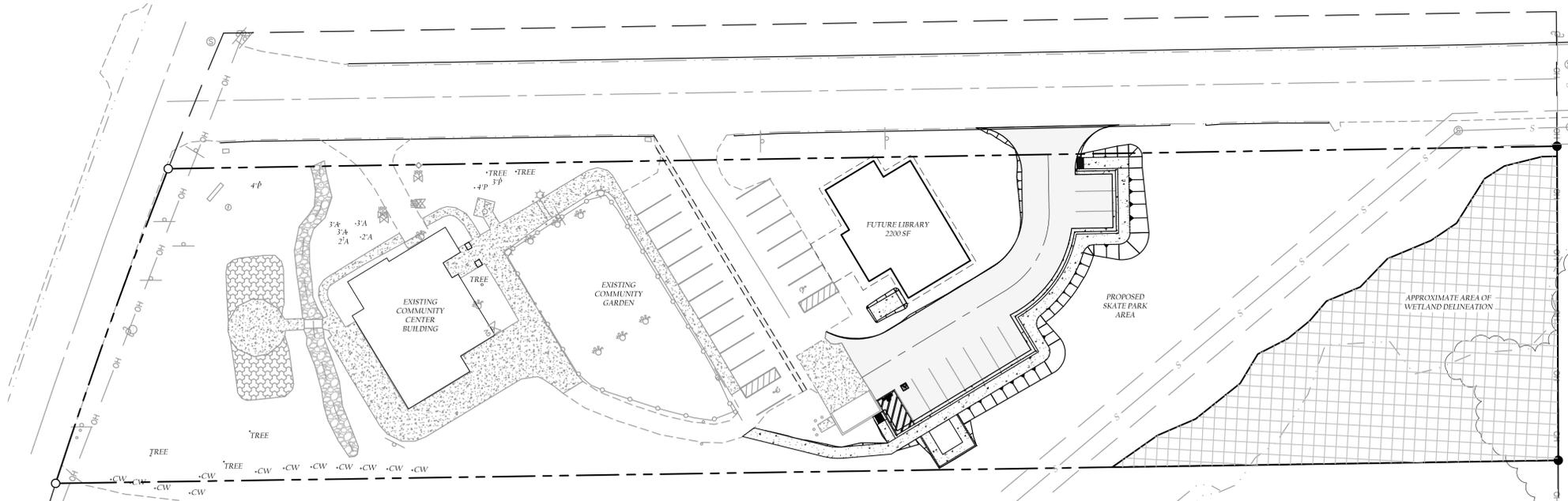


INDEX TO SHEETS

- SHEET C1 - TITLE SHEET
- SHEET C2 - GRADING AND DRAINAGE PLAN
- SHEET C3 - DETAILS

CROWLEY LAKE COMMUNITY CENTER

SKATE PARK PAVING AND SIDEWALK IMPROVEMENT PLANS



VICINITY MAP
N.T.S.

GRADING AND SITEWORK SPECIFICATIONS

GENERAL:

- CONTRACTOR SHALL PERFORM PROJECT ACTIVITIES IN CONFORMANCE WITH MONO COUNTY ORDINANCES AND STANDARDS AND THE CONDITIONS OF APPROVAL OF APPLICABLE GRADING AND ENCROACHMENT PERMITS ISSUED BY MONO COUNTY DEPARTMENT OF PUBLIC WORKS. ALL WORK IN THE MONO COUNTY RIGHT-OF-WAY SHALL BE SUBJECT TO AN ENCROACHMENT PERMIT FROM MONO COUNTY DEPARTMENT OF PUBLIC WORKS.
- ALL WORK SHALL CONFORM TO THESE PLANS, SPECIFICATIONS, MONO COUNTY STANDARDS, AND THE "STANDARD SPECIFICATIONS" (2015 EDITION) ISSUED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS). IN THE EVENT OF A CONFLICT BETWEEN THE PRECEDING DOCUMENTS, THE MOST STRINGENT SHALL PREVAIL.
- CONTRACTOR SHALL CONDUCT ALL GRADING OPERATIONS IN CONFORMANCE WITH THE CONSTRUCTION SAFETY ORDERS OF THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF INDUSTRIAL SAFETY. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF GENERAL OSHA STANDARDS FOR THE PROTECTION OF WORKMEN AND THE GENERAL PUBLIC.
- CONTRACTOR SHALL CALL USA ALERT AT (800) 642-2444 AT LEAST 48 HOURS PRIOR TO STARTING WORK. UTILITIES SHOWN ON THESE PLANS ARE LOCATED BASED ON AVAILABLE RECORDS AND FIELD MEASUREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- ANY EVIDENCE OF THE HISTORICAL PRESENCE OF MAN FOUND DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE MONO COUNTY COMMUNITY DEVELOPMENT DEPARTMENT AND ALL CONSTRUCTION ACTIVITIES SHALL CEASE UNTIL AUTHORIZED BY THAT DEPARTMENT.
- CONTRACTOR SHALL CONTACT THE MONO COUNTY DEPARTMENT OF PUBLIC WORKS AT (760) 932-5440 TO ARRANGE A PRE-CONSTRUCTION MEETING AT THE PROJECT SITE AT LEAST SEVEN DAYS PRIOR TO COMMENCING SITE ACTIVITIES.
- TO REQUEST SERVICE OR INSPECTION, CONTRACTOR SHALL NOTIFY THE FOLLOWING COMPANIES OR AGENCIES AT LEAST 48 HOURS IN ADVANCE.

INSPECTION: DESIGNATED CONTRACT INSPECTOR	CONSTRUCTION STAKING: TRIAD/HOLMES ASSOC. (760) 934-7588	SOILS TESTING: SIERRA GEOTECHNICAL SERVICES (760) 934-3992
---	--	--

- CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:00 AM TO 8:00 PM MONDAY THROUGH SATURDAY (NO OPERATIONS ALLOWED ON SUNDAY). CONTRACTOR SHALL KEEP NOISE LEVELS OF CONSTRUCTION EQUIPMENT TO A MINIMUM, USING SOUND MUFFLING DEVICES IN ACCORDANCE WITH PREVAILING REQUIREMENTS. SITE PREPARATION AND CONSTRUCTION SHALL BE CONDUCTED SO AS TO MINIMIZE EXCESSIVE NOISE, DUST, DEBRIS AND DISTURBANCE TO NEIGHBORS WITHIN 500 FEET.
- THE LIMITS OF CONSTRUCTION SPECIFIED ON THESE PLANS SHALL BE CAREFULLY AND FULLY FLAGGED PRIOR TO START OF CONSTRUCTION IN A MANNER TO PREVENT DAMAGE TO VEGETATION AND DISTURBANCE TO SOILS OUTSIDE THE CONSTRUCTION AREA. SITE-DISTURBING ACTIVITIES SHALL BE RESTRICTED TO THE IDENTIFIED BOUNDARIES OF THE PROJECT.
- RESTRICTIONS ON THE MOVEMENTS OF HEAVY EQUIPMENT SHALL BE ACCOMPLISHED THROUGH THE ESTABLISHMENT OF DESIGNATED TRAVEL ROUTES AND BARRIERS WHICH PREVENT CUTTING, SCARRING AND ROOT DAMAGE TO TREES AND SHRUBS NOT BEING REMOVED.
- MONO COUNTY WILL PROVIDE A MINIMUM AMOUNT OF SURVEY CONTROL INCLUDING: DRIVE CENTER-LINE AT 25 FOOT INTERVALS, TOP BACK OF CURB AT CORNERS, BOC, EOC AND POC AT 25 FOOT INTERVALS, PLUS 10 FOOT AND 15 FOOT OFFSETS TO TWO CORNERS ON THE NEW BUS AND BATH LOCATIONS. CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL SURVEY STAKING. CONTRACTOR SHALL BE RESPONSIBLE FOR, AND WILL BEAR THE COST OF, RESETTING ANY SURVEY STAKES OR MONUMENTS DESTROYED BY HIS OPERATIONS.

GRADING:

- AREAS TO BE GRADED SHALL BE CLEARED OF BRUSH, VEGETATION, LARGE BOULDERS, AND OTHER DELETERIOUS MATERIALS. WASTE MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR TO A LOCATION APPROVED AND PERMITTED TO RECEIVE SUCH MATERIAL.
- TOPSOIL REMOVED DURING CLEARING ACTIVITIES SHALL BE STOCKPILED WITHIN THE APPROVED LIMITS OF CONSTRUCTION FOR RE-APPLICATION TO SLOPES AND DISTURBED AREAS UPON PROJECT COMPLETION. STOCKPILE LOCATION SHALL BE IN ACCORDANCE WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), IF APPLICABLE.
- SURPLUS OR WASTE MATERIAL SHALL NOT BE PLACED IN DRAINAGE WAYS.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL DUST IN CONSTRUCTION AREAS AND ON SITE ACCESS ROADS. WATER SHALL BE APPLIED TO DISTURBED SURFACES AT A SUFFICIENT FREQUENCY AND QUANTITY FOR DUST CONTROL PURPOSES. ALL EXPOSED SOIL SURFACES WILL BE MOISTENED AS REQUIRED TO AVOID NUISANCE CONDITIONS AND INCONVENIENCES FOR LOCAL RESIDENTS, BUSINESSES, AND TRAVELERS OF NEARBY ROADWAYS.
- CUT AND FILL SLOPES SHALL NOT EXCEED A STEEPNESS OF 2:1 UNLESS OTHERWISE NOTED ON THESE PLANS AND SUPPORTED BY A SITE-SPECIFIC SOILS REPORT OR GEOTECHNICAL INVESTIGATION.
- FINISHED GRADES IN ALL AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS. NO AREAS SHALL BE LEFT SUCH THAT A PONDING CONDITION OCCURS, UNLESS OTHERWISE SPECIFIED.

EROSION CONTROL:

- CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND/OR REPORT OF WASTE DISCHARGE, AS APPLICABLE. STOCKPILED MATERIALS AND EQUIPMENT STORAGE AREAS SHALL BE LOCATED AS SPECIFIED IN THE APPROVED REPORT. TEMPORARY EROSION CONTROL FACILITIES SHALL BE IN PLACE PRIOR TO COMMENCING ANY GRADING OPERATIONS. UPON COMPLETION OF CONSTRUCTION, PERMANENT EROSION CONTROL FACILITIES SHALL BE PLACED AS DESIGNATED IN THE APPROVED REPORT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN A COPY OF THE SWPPP ON SITE.
- CONSTRUCTION ACTIVITIES SHALL CEASE BY OCTOBER 15 AND THE PROJECT SHALL BE PREPARED FOR WINTER CONDITIONS AT THAT TIME, INCLUDING STABILIZATION OF ALL EXPOSED SOIL SURFACES WITH ADEQUATE EROSION CONTROL MEASURES. DURING CONSTRUCTION, TEMPORARY EROSION CONTROL MEASURES SUCH AS BERMS, SILT FENCES, FIBER ROLLS, EROSION CONTROL BLANKETS, OR OTHER METHODS SHALL BE INSTALLED AS NECESSARY TO PREVENT DISCHARGE OF EARTHEN MATERIALS FROM THE SITE DURING PERIODS OF PRECIPITATION OR RUNOFF. SIMILAR MEASURES SHALL BE INSTALLED ON OR AROUND ANY SOIL STOCKPILE LOCATED ADJACENT TO PUBLIC ROADWAYS, RESIDENCES, OR BUSINESSES, IN THE VICINITY OF BODIES OF WATER, OR WHEN REMAINING ON-SITE FOR AN EXTENDED PERIOD.
- DURING CONSTRUCTION, TEMPORARY EROSION CONTROL MEASURES SUCH AS BERMS, SILT FENCES, FIBER ROLLS, EROSION CONTROL BLANKETS, OR OTHER METHODS SHALL BE INSTALLED AS NECESSARY TO PREVENT DISCHARGE OF EARTHEN MATERIALS FROM THE SITE DURING PERIODS OF PRECIPITATION OR RUNOFF. SIMILAR MEASURES SHALL BE INSTALLED ON OR AROUND ANY SOIL STOCKPILE LOCATED ADJACENT TO PUBLIC ROADWAYS, RESIDENCES, OR BUSINESSES, IN THE VICINITY OF BODIES OF WATER, OR WHEN REMAINING ON-SITE FOR AN EXTENDED PERIOD.

PERIOD:

- CONTRACTOR SHALL TAKE ALL SUCH MEASURES NECESSARY TO RETAIN SOIL AND SEDIMENT ON-SITE AND TO PREVENT TRACKING OF MUD AND DIRT ONTO PUBLIC ROADWAYS.
- ALL EXPOSED SOIL SURFACES TO REMAIN SHALL BE STABILIZED AND/OR RESEEDED IN ACCORDANCE WITH AN APPROVED LANDSCAPE PLAN OR AN APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS APPLICABLE. IN THE EVENT NEITHER DOCUMENT IS REQUIRED BY MONO COUNTY OR THE LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD, STOCKPILED TOPSOIL SHALL BE SPREAD EVENLY TO A MINIMUM DEPTH OF 6 INCHES OVER SLOPES AND DISTURBED AREAS AND SEEDED TO PREVENT EROSION WITH THE FOLLOWING MIXTURE AND APPLICATION RATES (ENGINEER MAY MODIFY AS NECESSARY FOR SPECIFIC AREA):

HARD FESCUE GRASS	20 LB./ACRE
LUPIN	5 LB./ACRE
CRESTED WHEAT GRASS	20 LB./ACRE
SAGEBRUSH	5 LB./ACRE
PUBESCENT WHEAT GRASS	20 LB./ACRE
- SEEDED SLOPES SHALL BE PROTECTED BY INSTALLATION OF AN EROSION CONTROL BLANKET, "NORTH AMERICAN GREEN SC150", OR APPROVED EQUAL, SECURED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- AT NO TIME SHALL THE CONTRACTOR DEWATER THE PROJECT SITE BY PUMPING INTO BODIES OF WATER, STORM DRAINS, OR A SUBDRAIN SYSTEM.

MATERIALS:

- CONTRACTOR SHALL CONTACT MONO COUNTY DEPARTMENT OF PUBLIC WORKS TO SCHEDULE FIELD OBSERVATION PRIOR TO BACKFILLING ANY UTILITY TRENCH OR CULVERT AND PRIOR TO PAVING OR INSTALLATION OF CONCRETE.
- COMPACTION TESTING SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER OR TESTING FIRM IDENTIFIED IN THESE SPECIFICATIONS ON EACH LIFT OF FILL. ALL COMPACTION TESTS REQUIRED BY THESE SPECIFICATIONS SHALL BE PERFORMED PURSUANT TO ASTM D-1557-00 (OR MOST RECENT EDITION). SHOULD ANY COMPACTION TEST FAIL TO MEET THE SPECIFIED MINIMUM DENSITY, THE DEFICIENCY SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR PRIOR TO ANY ADDITIONAL WORK.
- SUBGRADE IN AREAS TO RECEIVE FILL SHALL BE SCARIFIED, MOISTURE-CONDITIONED, AND COMPACTED TO A MINIMUM OF 90% OF THE MATERIAL'S MAXIMUM DRY DENSITY FOR THE UPPER 12 INCHES.
- SUBGRADE IN AREAS TO BE PAVED SHALL BE SCARIFIED, MOISTURE-CONDITIONED, AND COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY FOR THE UPPER 12 INCHES.
- STRUCTURAL FILL MATERIAL SHALL BE PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED TO A MINIMUM OF 90% OF THE MATERIAL'S MAXIMUM DRY DENSITY (NON-STRUCTURAL FILL WILL BE COMPACTED TO A MINIMUM 85% OF THE MATERIAL'S MAXIMUM DRY DENSITY). EXISTING SLOPES OF 5:1 OR STEEPER TO RECEIVE FILL SHALL BE KEYED WITH EQUIPMENT-WIDTH BENCHES PRIOR TO COMPACTION AND FILL PLACEMENT.
- EARTHEN MATERIAL IMPORTED OR EXCAVATED ON THE PROPERTY MAY BE UTILIZED IN THE FILL, PROVIDED THAT EACH MATERIAL HAS BEEN DETERMINED TO BE SUITABLE BY THE GEOTECHNICAL ENGINEER. ALL FILL MATERIAL SHALL BE FREE OF ROCKS GREATER THAN 4 INCHES IN DIAMETER AND ORGANIC AND OTHER DELETERIOUS MATERIAL. SOILS WITH EXPANSION POTENTIAL OF POOR GRADATION, OR POOR STRENGTH CHARACTERISTICS SHALL BE PLACED IN AREAS DESIGNATED BY THE ENGINEER OR SHALL BE MIXED WITH OTHER SOILS TO SERVE AS SATISFACTORY FILL MATERIAL AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
- AGGREGATE BASE SHALL BE CLASS 2, 3/4-INCH MAXIMUM GRADING, AND CONFORM TO THE PROVISIONS OF SECTION 26, "AGGREGATE BASES", OF THE CALTRANS "STANDARD SPECIFICATIONS". AGGREGATE BASE SHALL BE MOISTURE-CONDITIONED AND COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY.
- ASPHALT CONCRETE PAVING SHALL BE GRADE PG 64-28 PM WITH 1/2" MAXIMUM MEDIUM GRADING, CONFORMING TO THE PROVISIONS OF SECTION 39, "ASPHALT CONCRETE", OF THE CALTRANS "STANDARD SPECIFICATIONS". PAVEMENT LIFTS SHALL NOT EXCEED 3" IN THICKNESS AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY.
- A FOG SEAL COAT OF SS-1 OR CSS-1 ASPHALT SHALL BE APPLIED AT A RATE OF 0.05 TO 0.15 GALLONS PER SQUARE YARD TO THE FINAL SURFACE OF ALL ASPHALT CONCRETE PAVING. A TACK COAT OF SS-1 OR CSS-1 ASPHALT SHALL BE APPLIED BETWEEN PAVEMENT LIFTS AT A RATE OF 0.10 GALLONS PER SQUARE YARD. SEAL COAT AND TACK COAT MATERIALS AND APPLICATION SHALL CONFORM TO THE PROVISIONS OF SECTION 94, "ASPHALTIC EMULSIONS", OF THE CALTRANS "STANDARD SPECIFICATIONS".
- CONCRETE SHALL CONFORM TO THE PROVISIONS OF SECTION 90 OF THE CALTRANS "STANDARD SPECIFICATIONS". CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5,000 PSI (CLASS A). CONCRETE SHALL BE 7:2 SACK MIX (WITH 25% FLY ASH REPLACEMENT), 1/2 INCH MAX AGGREGATE COMBINED, NON-REACTIVE, AIR ENTRAINED AT 5% + OR - 1% WRDA ADDITIVE AND CONTAINING FIBER ADDITIVE PER MANUFACTURER'S RECOMMENDATIONS. REINFORCING STEEL SHALL BE DEFORMED BILLET-STEEL BARS CONFORMING TO SPECIFICATIONS OF ASTM A 615 GRADE 60.
- CORRUGATED METAL PIPE SHALL BE 14 GAUGE AND ITS FABRICATION AND INSTALLATION SHALL CONFORM TO THE PROVISIONS OF SECTION 66, "CORRUGATED METAL PIPE", OF THE CALTRANS "STANDARD SPECIFICATIONS".
- FABRICATION AND INSTALLATION OF CORRUGATED PLASTIC PIPE SHALL CONFORM TO THE PROVISIONS OF SECTION 64, "PLASTIC PIPE", OF THE CALTRANS "STANDARD SPECIFICATIONS".
- FLARED END SECTIONS, DROP INLETS, AND GRATES SHALL CONFORM TO THE PROVISIONS OF SECTION 75, "MISCELLANEOUS METAL", AND SECTION 70, "MISCELLANEOUS FACILITIES", OF THE CALTRANS "STANDARD SPECIFICATIONS".
- BACKFILL AND BEDDING MATERIAL FOR CULVERTS AND UTILITY TRENCHES SHALL COMPLY WITH PROJECT PLANS AND APPLICABLE PROVISIONS OF THE CALTRANS "STANDARD SPECIFICATIONS". SLURRY CEMENT BACKFILL SHALL CONFORM TO THE PROVISIONS OF SECTION 19-3.062, "SLURRY CEMENT BACKFILL", OF THE CALTRANS "STANDARD SPECIFICATIONS".

LEGEND

---	PROPERTY LINE
---	CENTERLINE
---	CENTER LINE OF NEW PAVING
SS	NEW SEWER LATERAL
W	NEW WATER SERVICE
E	NEW ELECTRICAL SERVICE
[Symbol]	WETLAND DELINEATION
[Symbol]	EXISTING CONCRETE
[Symbol]	NEW CONCRETE
[Symbol]	NEW PAVED AREA
[Symbol]	EXISTING GROUND CONTOUR & ELEV.
[Symbol]	FINISHED SURFACE CONTOUR & ELEV.
[Symbol]	GRADE RATE
[Symbol]	FINISHED SURFACE ELEVATION
[Symbol]	EXISTING GROUND SPOT ELEVATION

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AP	ANGLE POINT
BC	BEGIN CURVE
BW	BOTTOM OF WALL
CONC	CONCRETE
CY	CUBIC YARDS
E	EXISTING
EC	END CURVE
EL	ELEVATION
FG	FINISHED GRADE
FL	FLOW LINE
FP	FINISHED PAD
FS	FINISHED SURFACE
GB	GRADE BREAK
HP	HIGH POINT
LF	LINEAL FEET
PE	POLYETHYLENE
PVC	POLYVINYL CHLORIDE
SF	SQUARE FEET
TOML	TOWN OF MAMMOTH LAKES
TBC	TOP BACK OF CURB
TC	TOP OF CURB
TYP	TYPICAL
TW	TOP OF WALL

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TITLE SHEET
CROWLEY LAKE COMMUNITY CENTER
PREPARED FOR: MONO COUNTY DEPARTMENT OF PUBLIC WORKS

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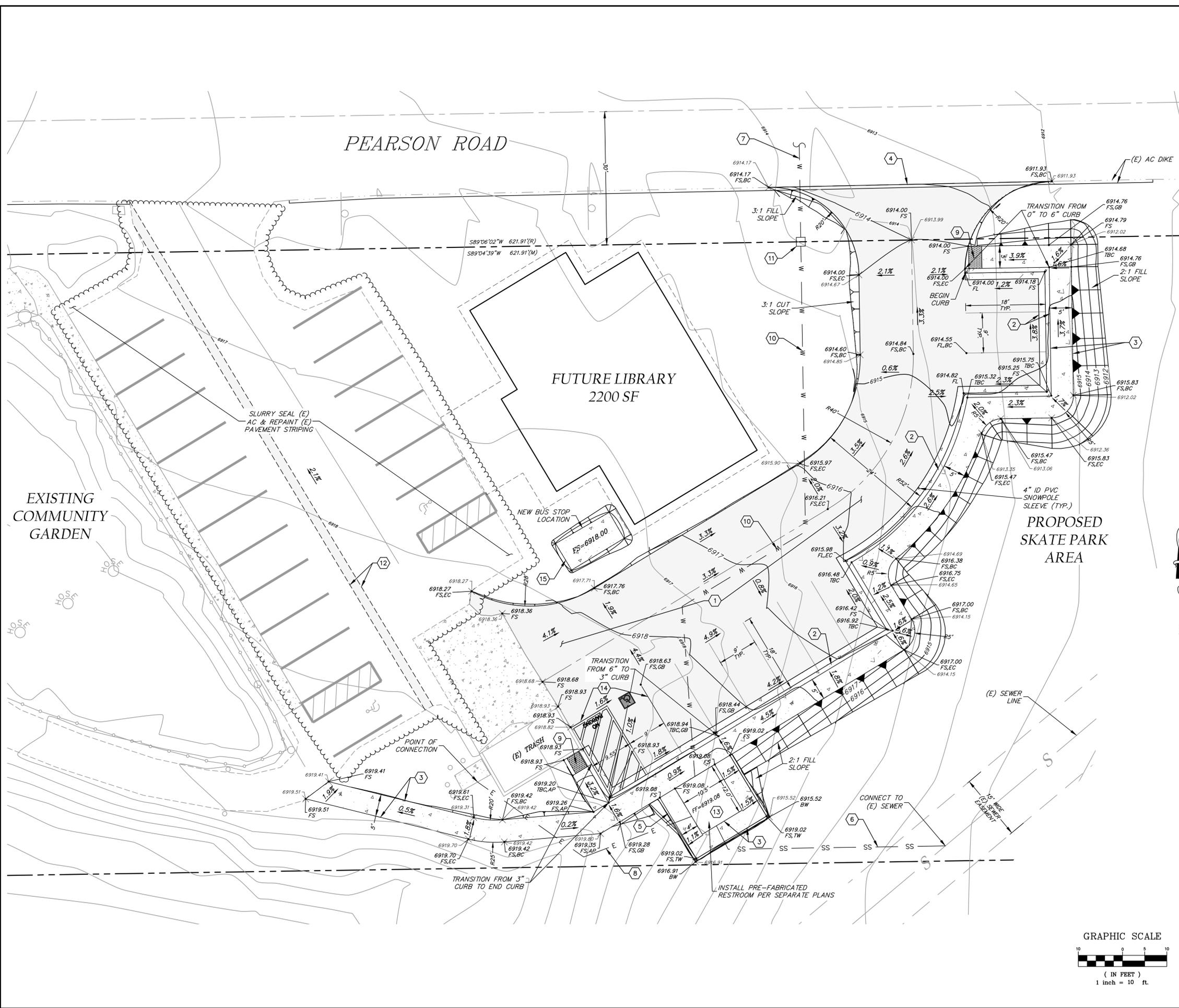
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PREPARED AND SUBMITTED BY:
Matthew S. Schober
MATTHEW S. SCHOBER
P.E. C 70489

DATE: _____



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- ### CONSTRUCTION NOTES
- 1 CONSTRUCT 3" AC ON 4" CLASS 2 A.B.
 - 2 CONSTRUCT TOML 102-2 TYPE 1 CURB AND GUTTER PER DETAIL ON SHEET 3.
 - 3 CONSTRUCT SIDEWALK, 4" CONCRETE ON 4" CLASS 2 A.B.
 - 4 SAWCUT REMOVE (E) AC DIKE AND PAVE TO EDGE OF (E) PAVEMENT.
 - 5 CONSTRUCT CONCRETE RETAINING CURB PER DETAIL ON SHEET 3.
 - 6 CONSTRUCT 4" SDR35 PVC SEWER LATERAL WITH TRACE WIRE PER TRENCH DETAIL ON SHEET 3.
 - 7 CONSTRUCT 2" PE WATER LATERAL WITH TRACE WIRE PER TRENCH DETAIL ON SHEET 3. REDUCE TO 3/4" AT METER PIT LOCATION.
 - 8 CONSTRUCT ELECTRICAL SERVICE PER TRENCH DETAIL ON SHEET 3.
 - 9 INSTALL TRUNCATED DOMES PER CALTRANS STANDARD PLAN ABBA.
 - 10 CONSTRUCT 1.25" PE WATER LINE WITH TRACE WIRE PER TRENCH DETAIL ON SHEET 3.
 - 11 CONSTRUCT 1" WATER METER.
 - 12 FIX (E) AC PATCH, APPROX. 24" WIDE.
 - 13 CONSTRUCT 10.5x12.0' BUILDING PAD FOR PREFABRICATED ADA RESTROOM PER MANUFACTURER'S SPECIFICATIONS.
 - 14 CONSTRUCT VAN ACCESSIBLE PARKING SPACE PER DETAIL ON SHEET 3.
 - 15 CONSTRUCT CONCRETE SLAB FOR BUS STOP RELOCATION, 6" THICK W/ #4 BARS @ 18" O.C. ON 4" CLASS 2 AB.

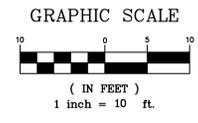
EARTHWORK QUANTITIES

CUT = 70 CY
 FILL = 170 CY
 NET = 100 CY FILL

EARTHWORK QUANTITIES ARE ESTIMATE ONLY AND DO NOT ACCOUNT FOR REMOVALS OF UNSUITABLE MATERIALS, NOR SHRINKAGE, NOR SWELL. CONTRACTOR SHALL PERFORM OWN TAKEOFF IN CONJUNCTION WITH GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

CONSTRUCTION QUANTITIES

3" HMA: 5460 SF
 CL2 AB: 100 CY
 102-2 TYPE 1 CURB AND GUTTER: 217 LF
 RETAINING CURB: 52 LF
 SIDEWALK: 1632 SF
 2" PE WATER LATERAL: 25 LF
 1.25" WATER LINE: 135 LF
 4" SDR35 PVC SEWER LATERAL: 55 LF
 ELECTRICAL SERVICE: 55 LF



PREPARED AND SUBMITTED BY:
 MATTHEW S. SCHOB
 MATTHEW S. SCHOB
 P.E. C 70489

REVISIONS	BY

DATE: 8/4/16
 SCALE: 1"=10'
 DRAWN: TT
 JOB NO.: 1.4079
 DWG: 4079gradr2.dwg
 SHEET: C2
 OF 3 SHEETS

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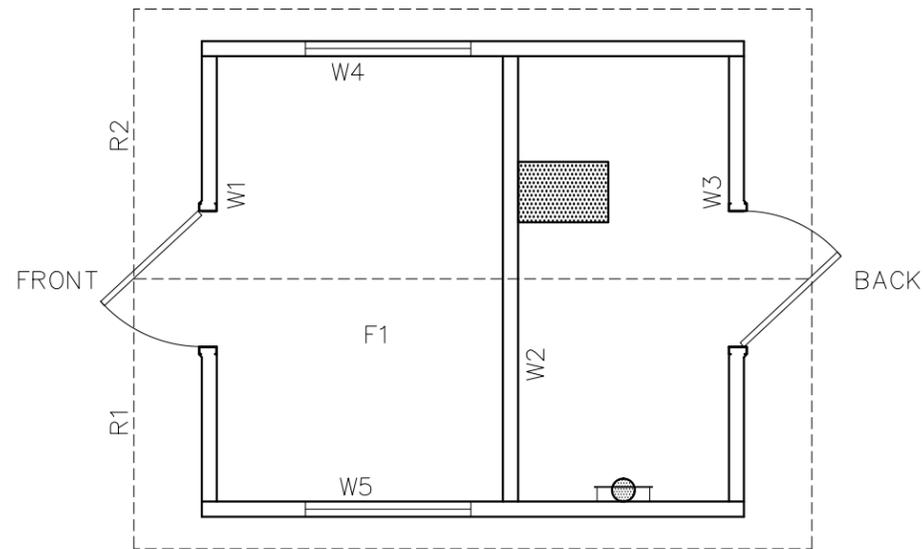
GRADING AND DRAINAGE PLAN
 CROWLEY LAKE COMMUNITY CENTER
 PREPARED FOR: MONO COUNTY DEPARTMENT OF PUBLIC WORKS

OZARK 1 SINGLE FLUSH TOILET BUILDING

NOTES

1. BUILDING IS DESIGNED TO COMPLY WITH THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBCS).
2. DESIGN COMPLIES WITH THE PROVISIONS OF THE 2013 CBCS CODE FOR THE FOLLOWING LOADS:
 ROOF SNOW LOAD = 250 PSF
 FLOOR LOAD = 400 PSF
 IBC DESIGN SPECTRAL RESPONSE $S_s = 1.539$, $S_1 = 1.389$
 SITE CLASS D
 SEISMIC USE GROUP: II
 SEISMIC DESIGN CATEGORY: E
 BEARING WALL SYSTEM $R = 4.0$
 BASIC WIND SPEED = 150 MPH (3-SECOND GUST)
 WIND EXPOSURE C, $I = 1.0$
3. BUILDING TYPE: IBC TYPE V-B
 OCCUPANCY: U
 EXTERIOR WALLS: 1-HR RATED PER IBC TABLE 721.1(2), ITEM 4-1.1
 MINIMUM FIRE SEPERATION DISTANCE: 10'
4. CONCRETE STRENGTH $f'_{ci} = 2500$ PSI INITIAL $f'_c = 5000$ PSI
 FINAL AIR ENTRAINMENT $6\% \pm 1\ 1/2\%$ IN PLASTIC CONCRETE.
 REINFORCING STEEL: #3 GRADE 40, #4 AND LARGER GRADE 60
 MINIMUM LAP 18" AT SPLICES. TIE BARS WITH DOUBLE ANNEALED
 16 GA IRON WIRE. REINFORCING TO BE PLACED IN CENTER
 OF PANEL UNO.
 WELDED WIRE FABRIC(W.W.F.): 4x4xW8xW8, $F_y=65$ KSI (OR EQUIVAL).
 COMPLY WITH ASTM A82, SMOOTH WIRE, MIN. LAP 2 SQUARES.
5. EMBEDDED ITEMS IDENTIFIED ON DRAWINGS (i.e. PS-2, R301)
 REFER TO CXT STANDARD EMBEDMENT CATALOG.
6. BACK OF PANELS TO HAVE SMOOTH TROWEL FINISH UNO.
 ALL SURFACES TO BE TEXTURED ARE NOTED ON PANEL DWG'S
7. REFER TO SEPARATE CXT INCORPORATED SPECIFICATIONS
 COVERING DESIGN, MATERIALS, PRODUCTION, AND INSTALLATION
 CRITERIA FOR SPECIFIC STYLE OF BUILDING.
8. ALL REBAR BENDS ARE TO HAVE A MINIMUM RADIUS
 OF 6x THE BAR DIAMETER
9. INSTALLATION TO MEET APPLICABLE LOCAL, STATE & FEDERAL CODES, BY
 OTHERS.
10. ADEQUATE PLUMBING FACILITIES MUST BE PROVIDED IN ACCORDANCE
 WITH 2013 CBCS (NOT BY CXT)

PANEL MARK NO. KEY PLAN



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OZ 1-06	CASTING DETAILS
OZ 1-07	FLOOR SLAB F1
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OZ 1-20	MATERIAL LIST

APPLICABLE CODES

2013 CALIFORNIA BUILDING STANDARDS CODE
 CALIFORNIA CODE OF REGULATIONS, TITLE 24

SPECIAL CONDITIONS AND/OR LIMITATIONS

ACCESSIBILITY TO THIS BUILDING, INCLUDING PARKING IS TO BE PROVIDED BY OTHER AND CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL BUILDING CODES.

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 ISSUED FOR PRODUCTION BY Robert D. Walker

3808 N. Sullivan Bldg. #7 Spokane, WA 99216



901 N. Highway 77 Hillsboro, TX 76645

PROJECT TITLE
OZARK 1
 BUILDING NUMBER OZI-162

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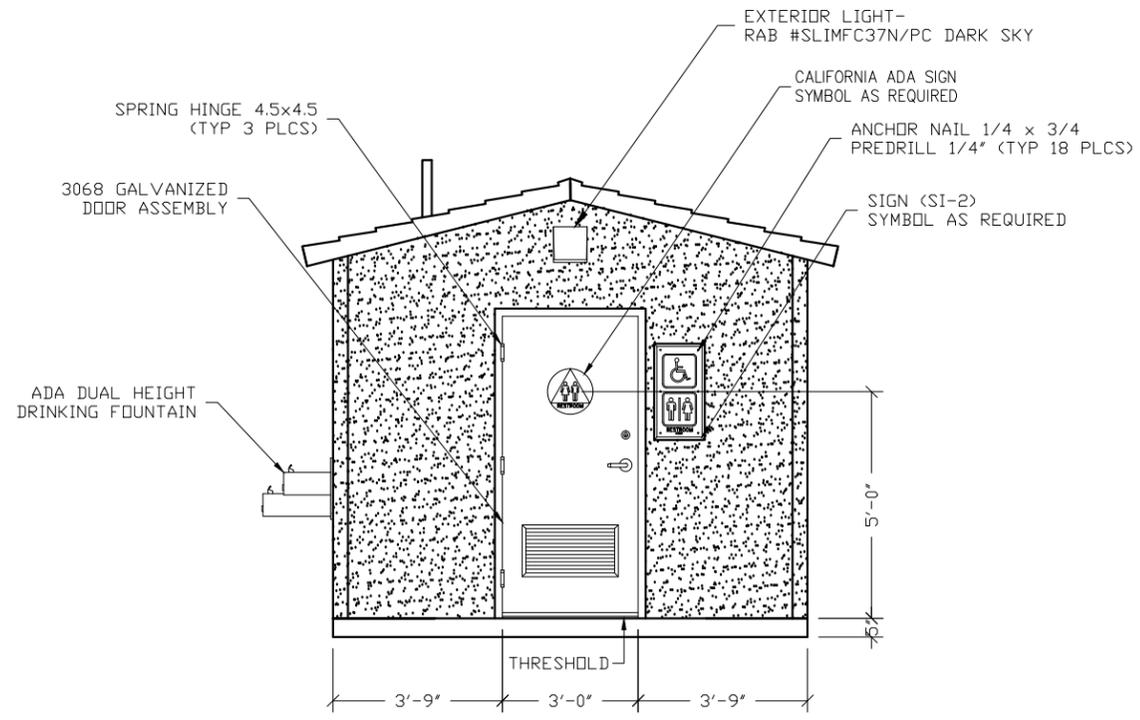
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	48

DWG NO.	SHEET	REV.
OZ 1-01	1	20

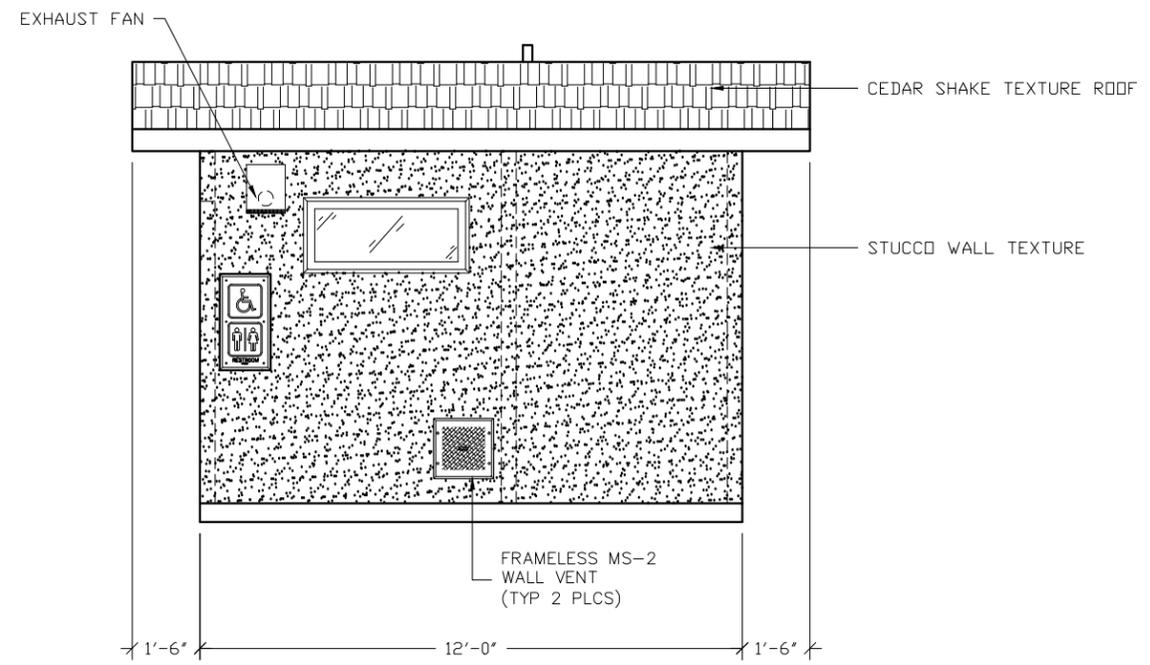
CASTING TOLERANCES:
OVERALL LENGTH OR WIDTH
10 FT OR UNDER = $\pm 1/8"$
10 TO 20 FT = $\pm 1/8"$, -3/16"
20 TO 40 FT = $\pm 1/4"$
TOTAL THICKNESS = -1/8, +1/4
VARIATION FROM SQUARE = $\pm 1/8$ PER 6 FT OF DIAGONAL
LOCAL SMOOTHNESS = 1/4" IN 10 FT
SWEEP = $\pm 1/4"$
POSITION OF TENDONS = $\pm 1/4"$
POSITION OF BLOCKOUTS = $\pm 1/4"$
SIZE OF BLOCKOUTS = $\pm 1/4"$
POSITION OF EMBEDS = $\pm 1/4"$
TIPPING AND FLUSHNESS OF PLATES = $\pm 1/16$, -1/4
BOWING = LENGTH/360
END SQUARENESS = $\pm 1/8"$

CALIFORNIA STATE APPROVAL & TAG REQUIRED

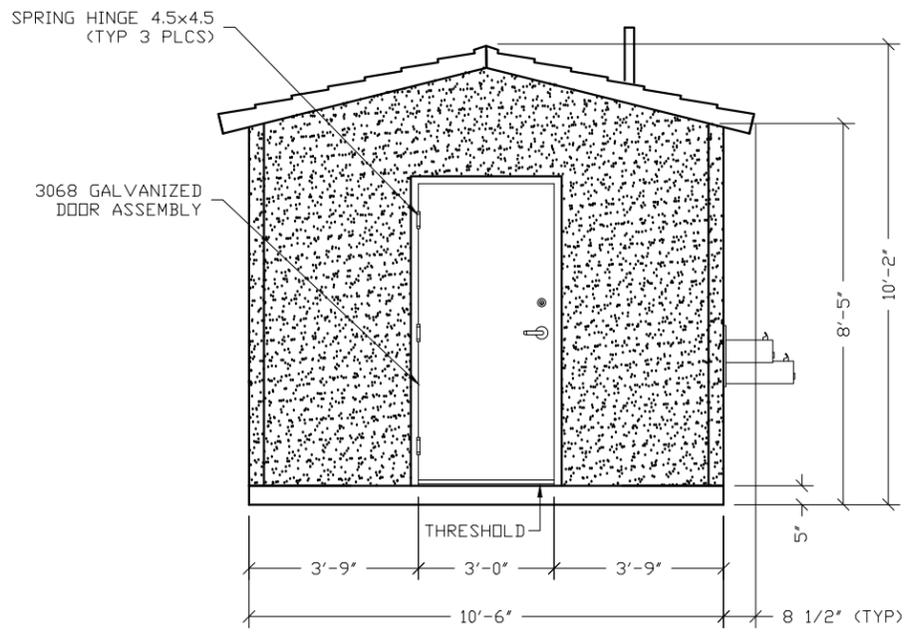
WALL TEXTURE:	STUCCO
WALL COLOR:	ALMOND BRITTLE
ROOF TEXTURE:	CEDAR SHAKE
ROOF COLOR:	GROUND COFFEE
TRIM PAINT:	DTM ALKYD ENAMEL PPG 1076-7 GROUND COFFEE



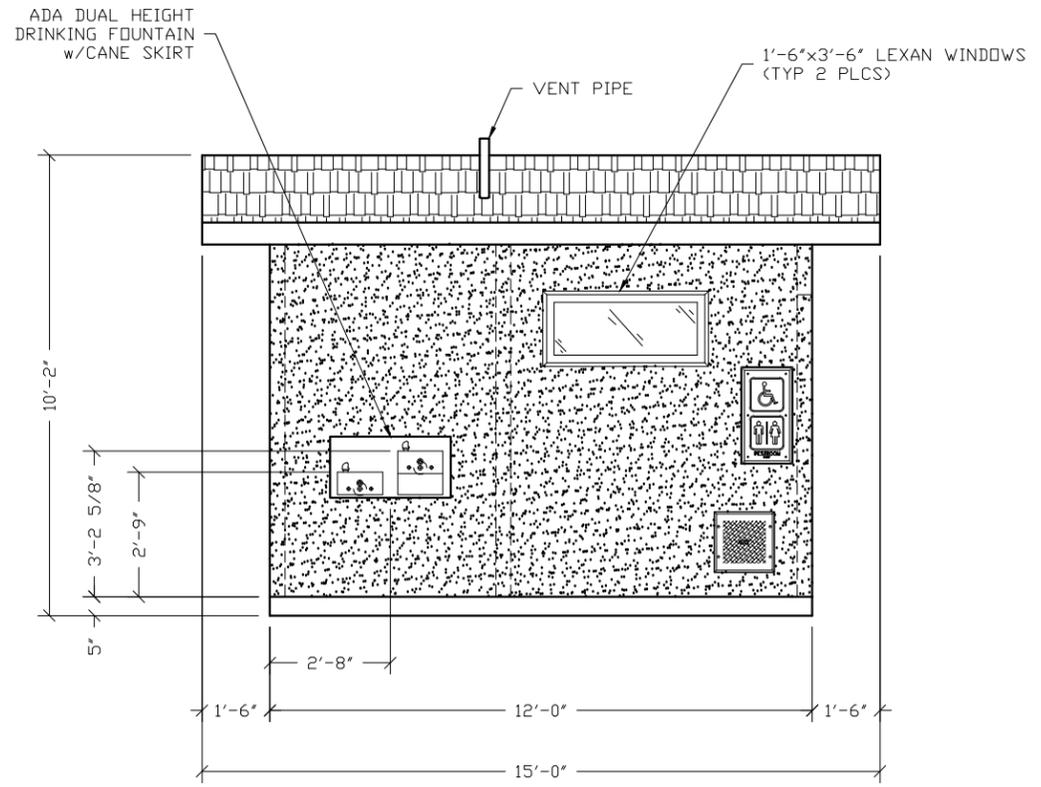
FRONT ELEVATION



RIGHT END ELEVATION



BACK ELEVATION



LEFT END ELEVATION

EMBEDDED MATERIALS	
ITEM	QTY
SI-2	3
ANCHOR NAIL 1/4x3/4	18
3068 DOOR ASSEMBLY	2
SPRING HINGE 4.5x4.5	5
ELECTRIC BEARING HINGE	1
DRINKING FOUNTAIN w/CANE SKIRT	1
CA ADA SIGN	1

CU. FT. CONC.	SQ. FT. W.W.F.
---------------	----------------

APPROXIMATE WEIGHT

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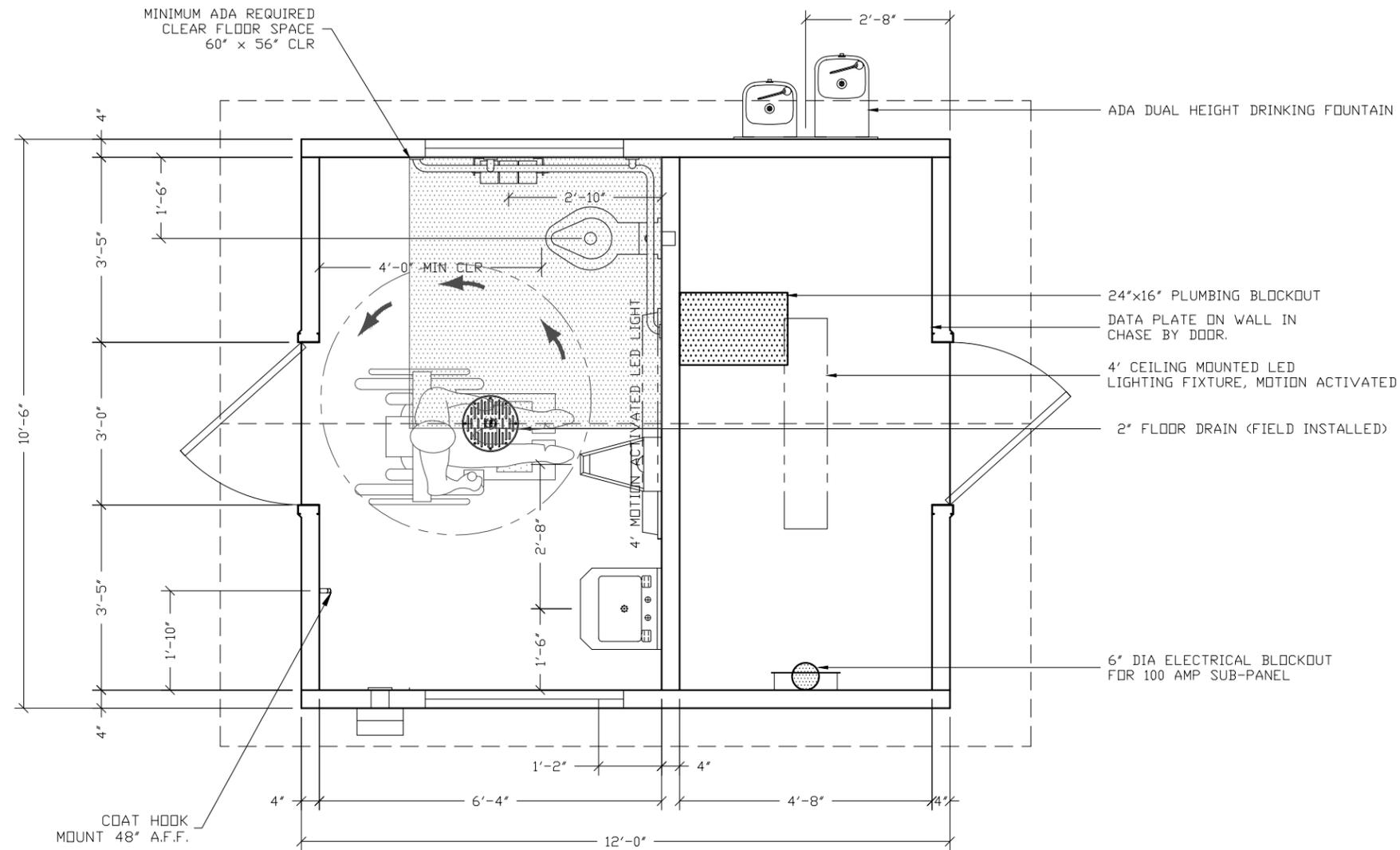
PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	48

BUILDING ELEVATIONS

DWG NO.	SHEET	REV.
OZ 1-02	2	20



FLOOR PLAN

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CXT
Precast Products
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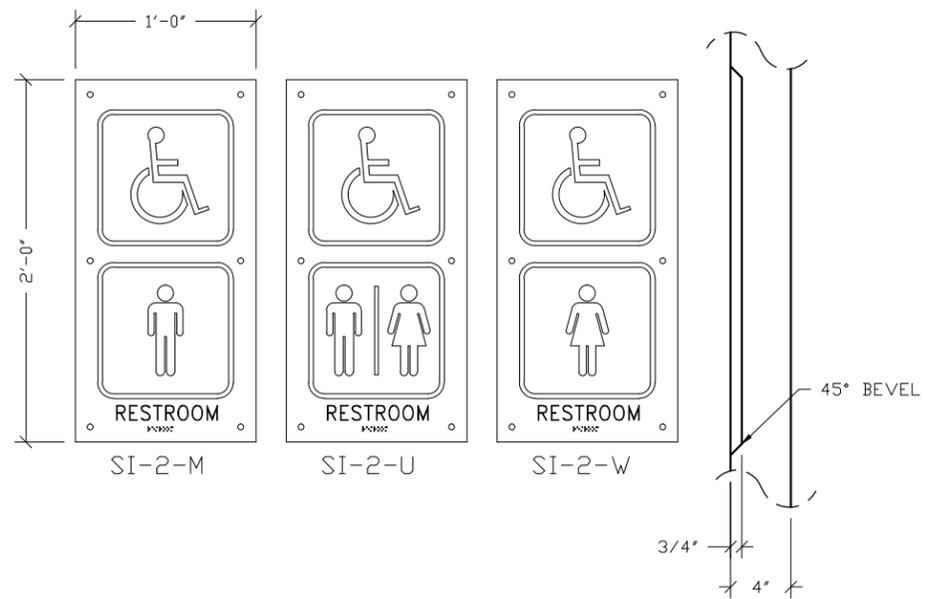
PROJECT TITLE
OZARK 1
 BUILDING NUMBER OZI-162

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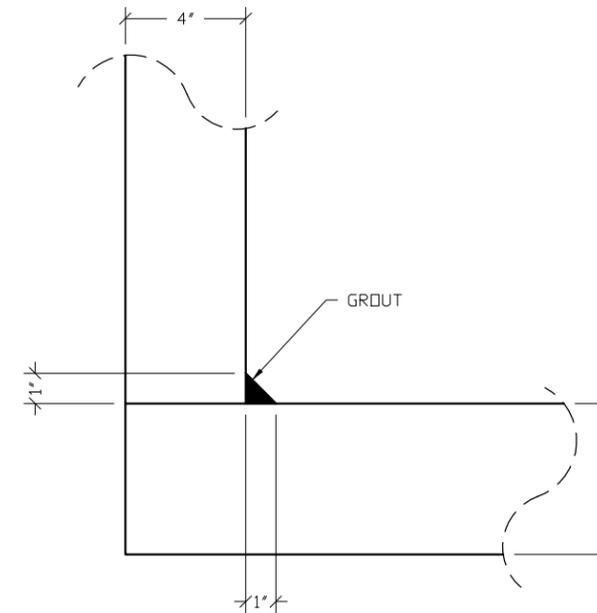
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	32

FLOOR PLAN		
DWG NO.	SHEET	REV.
OZ 1-04	4	20

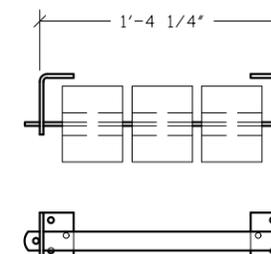
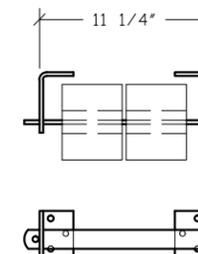
NOTE:
 ELECTRICAL AND PLUMBING COMPONENTS ARE SHOWN FOR GENERAL ARRANGEMENT ONLY. SEE SHEETS OZ 1-16 THRU OZ 1-19 FOR COMPLETE SYSTEM DESCRIPTIONS.



SIGN SI-2 DETAIL



WALL JOINT DETAIL



DISPENSER DETAIL

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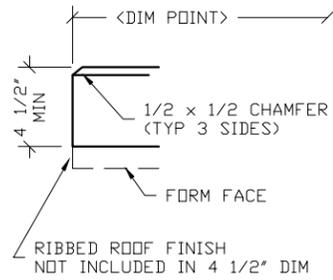
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PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

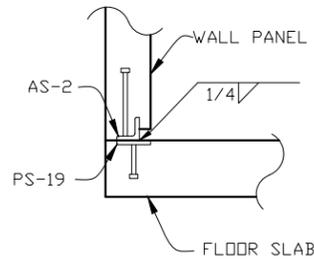
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	12

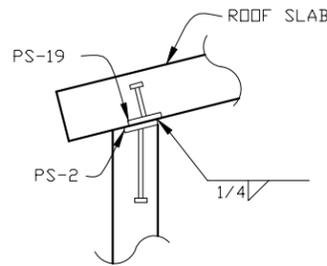
FINISH DETAILS		
DWG NO.	SHEET	REV.
OZ 1-05	5	20



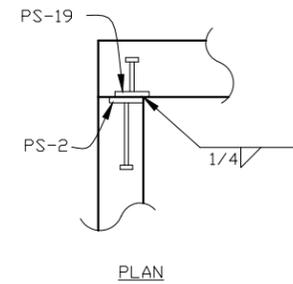
1 TYPICAL ROOF SLAB EDGE



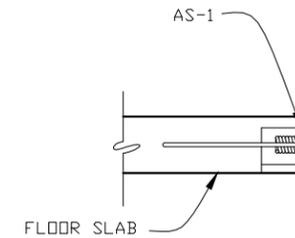
2 TYP. WALL TO FLOOR SLAB WELDED CONNECTION



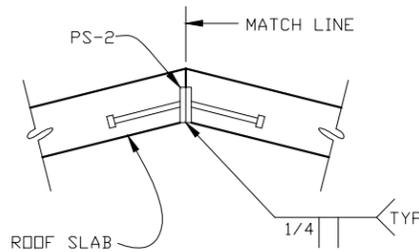
3 TYP. WALL TO ROOF SLAB WELDED CONNECTION



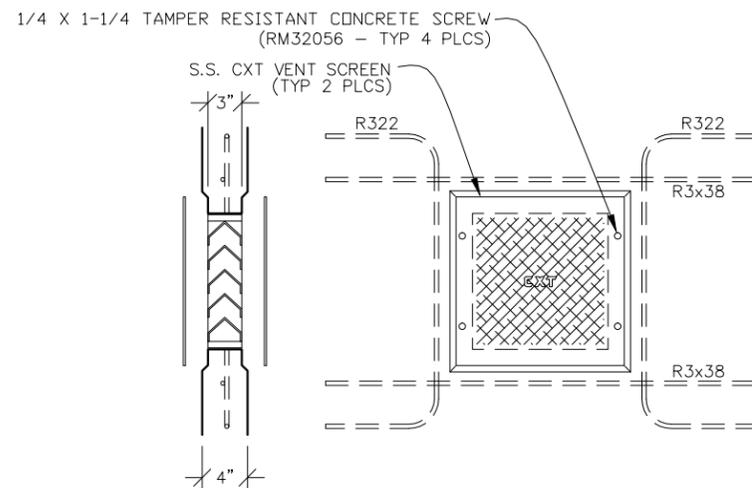
4 TYP. WALL TO WALL PANEL WELDED CONNECTION



5 FLOOR LIFT PLATE DETAIL



6 ROOF PEAK WELDMENT DETAIL



7 STANDARD FRAMELESS MS-2 WALL VENT DETAIL

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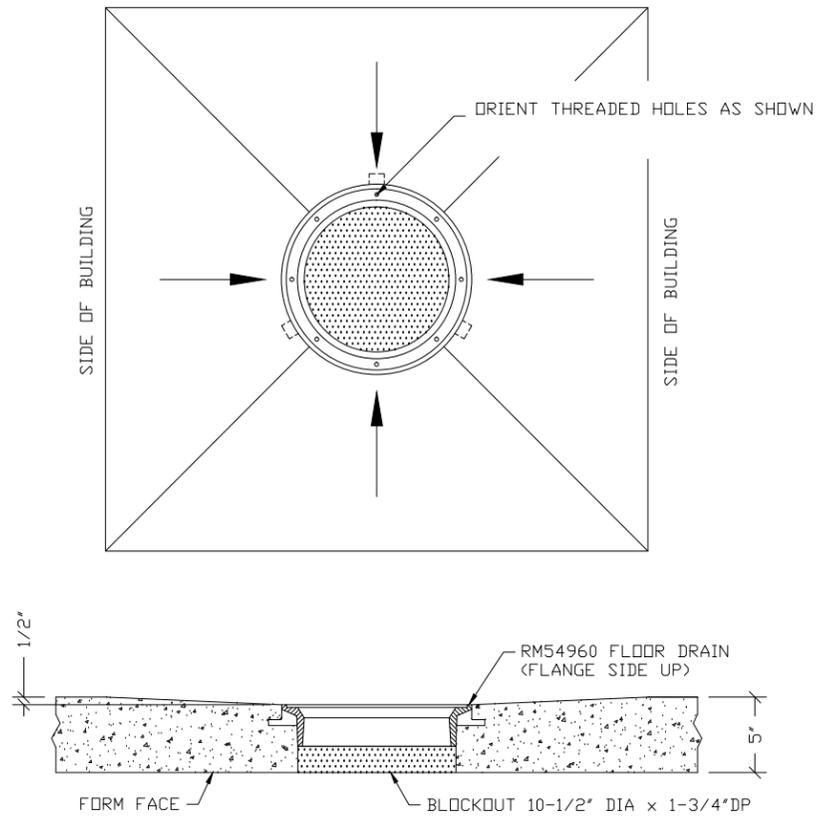
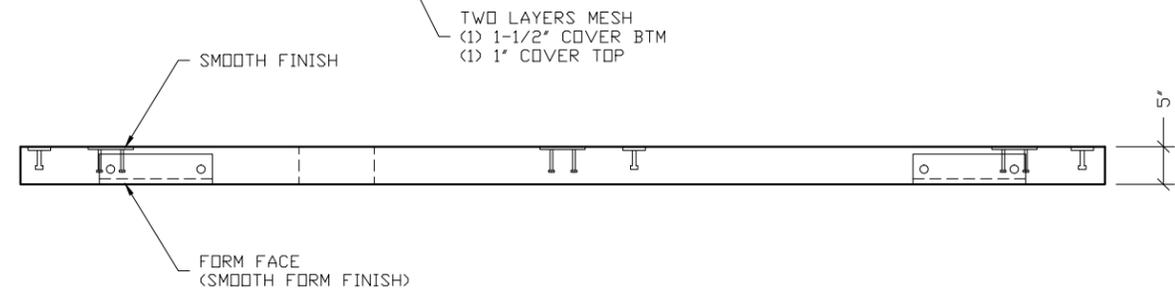
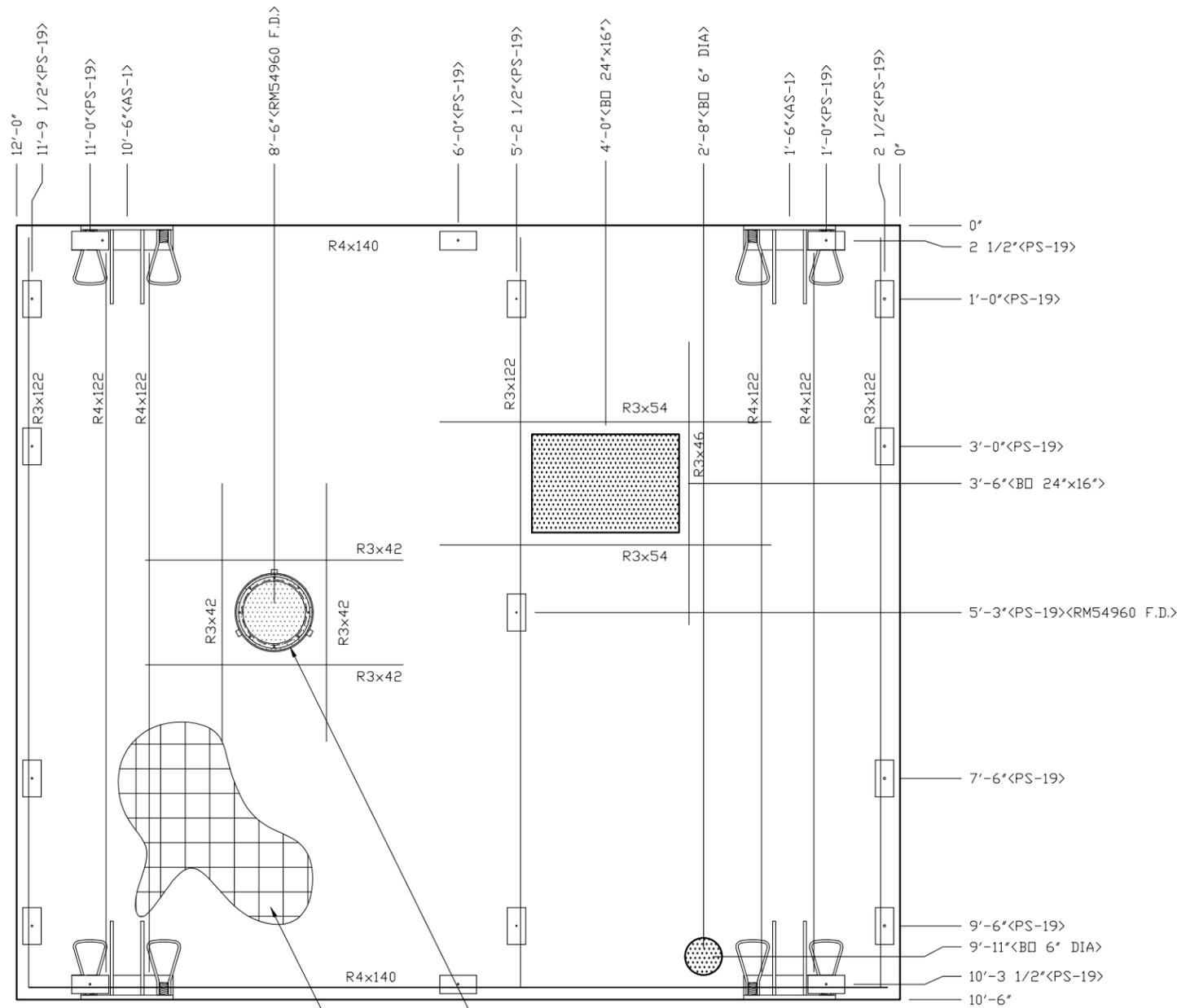
PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/4"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	16

CASTING DETAILS

DWG NO.	SHEET	REV.
OZ 1-06	6	20



FLOOR DRAIN BLOCKOUT DETAIL

- NOTES:
- FLOOR THICKNESS = 5".
 - SMOOTH TROWEL FINISH NEAR FACE, FORM FINISH ALL OTHER.
 - TWO LAYERS 4x4xW8xW8 MESH
 - R3x122, R3x54 & R3x46 TO BE PLACED IN PAIRS, ONE EACH FACE. 1" COVER TOP & 1 1/4" COVER BOT.
 - R4x122 TO BE PLACED AT BOT WITH 1 1/4" COVER.
 - ALL OTHER BARS TO BE CENTERED IN PANEL.
 - R4x140 TO BE PLACED AT TOP WITH 1" COVER.

EMBEDDED MATERIALS	
ITEM	QTY
AS-1	4
PS-19	17
R4x122	4
R4x140	2
R3x42	8
R3x46	2
R3x54	4
R3x122	6
BLOCKOUT 6" DIA	1
BLOCKOUT 24"x16"	1
RM54960 F.D.	1

CU. FT. CONC.	SQ. FT. W.W.F.
51.0 (1.89)	252

APPROXIMATE WEIGHT
7,650

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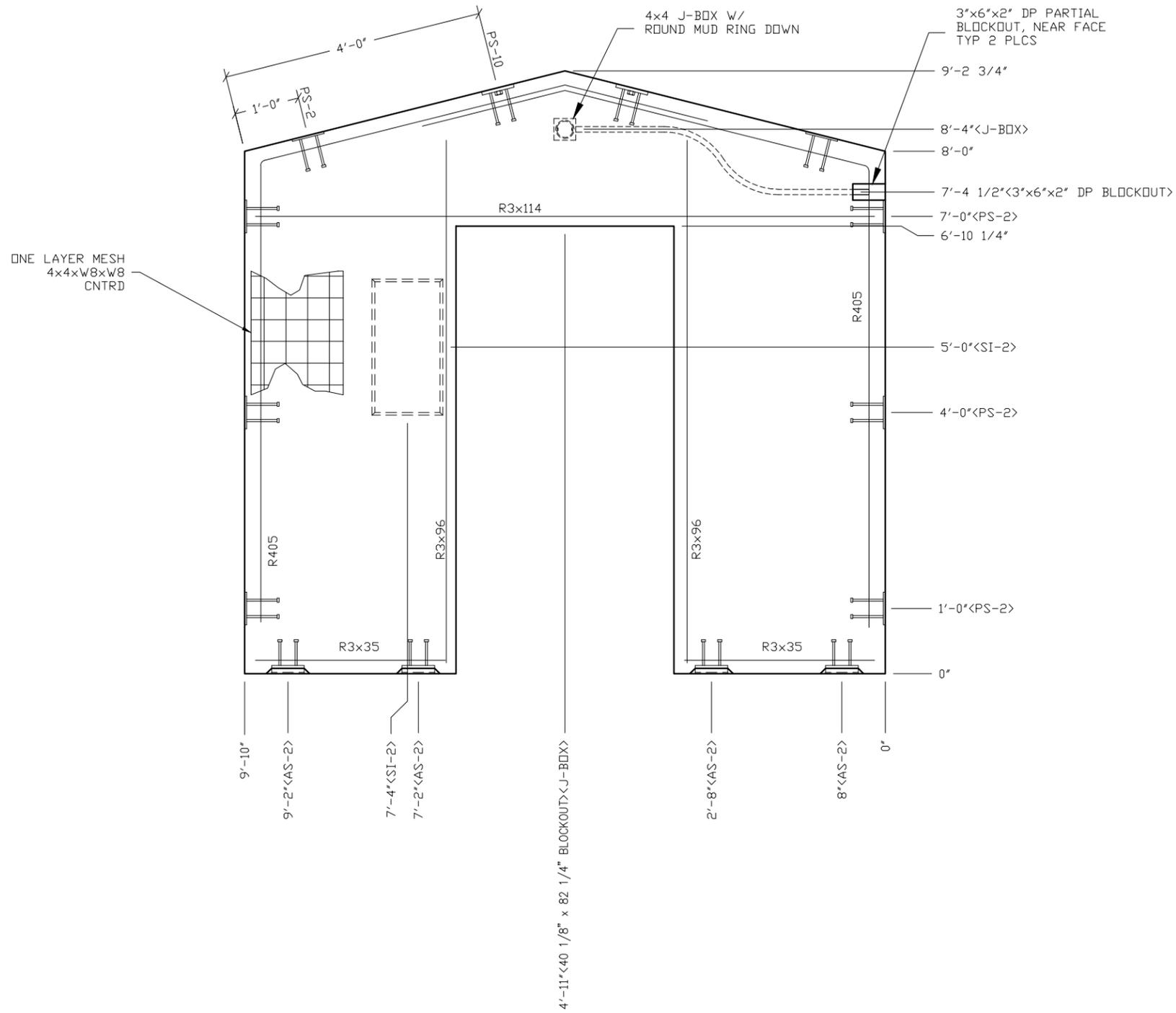
901 N. Highway 77 Hillsboro, TX 76645

PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/2"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	24

FLOOR SLAB MARK F1		
DWG NO. OZ 1-07	SHEET 7 20	REV.



- NOTES:
1. WALL THICKNESS = 4".
 2. ONE LAYER 4x4xW8xW8 MESH.
 3. R3x35, R3x96 & R3x114 TO BE PLACE IN PAIRS ONE EA FACE W/ 3/4" CLEAR COVER.
 4. ALL OTHER BARS TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
PS-2	8
PS-10	2
R3x114	2
R3x96	4
R3x35	4
R405	2
AS-2	4
SI-2	1
40 1/8" x 82 1/4" BO	1
4x4 J-BOX	1
ROUND MUD RING	1
3"x6"x2" DP BLOCKOUT	1

CU. FT. CONC.	SQ. FT. W.W.F.
20.6 (0.76)	62
APPROXIMATE WEIGHT	
3,090	

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PROJECT TITLE
OZARK 1
 BUILDING NUMBER OZI-162

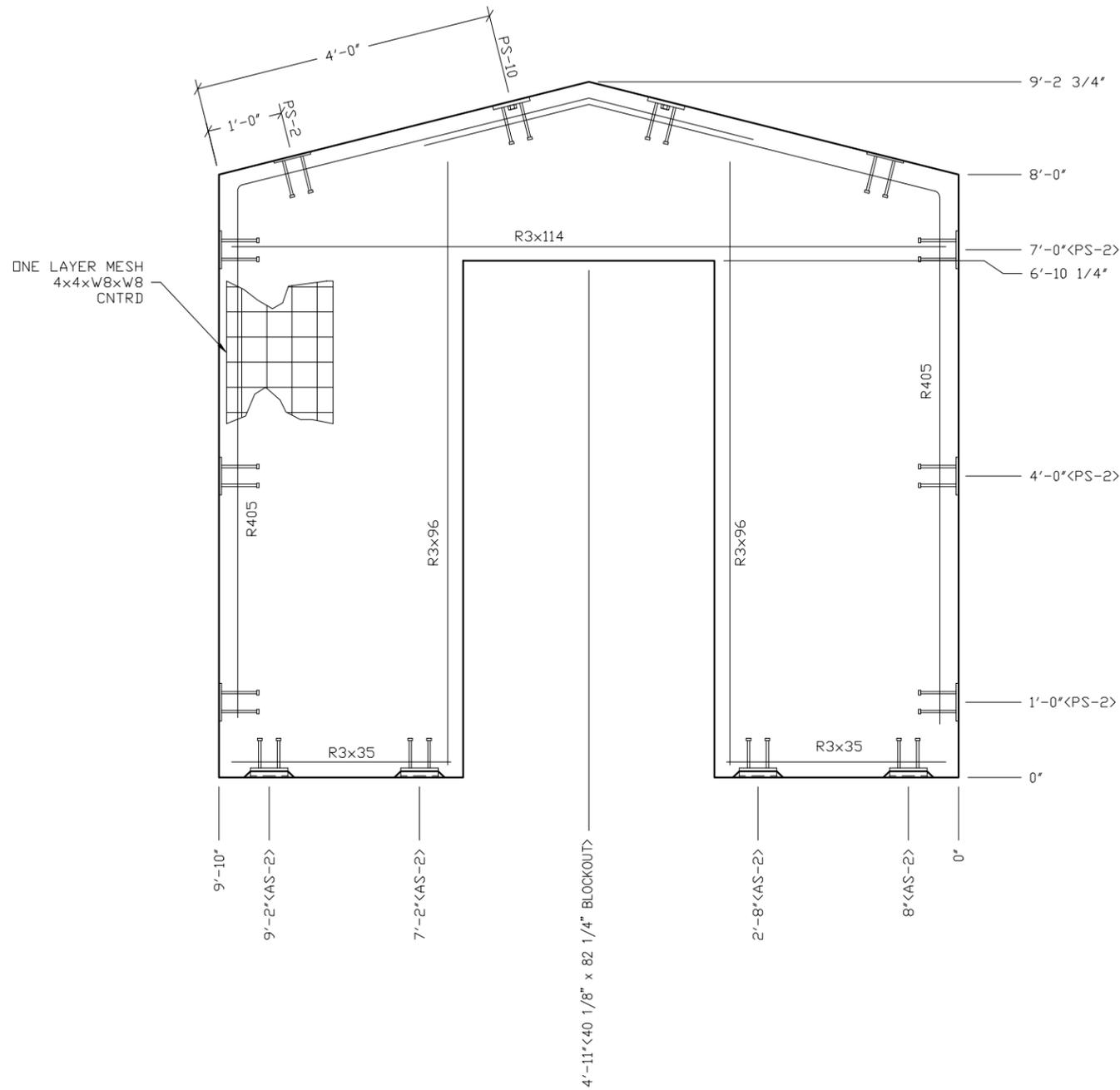
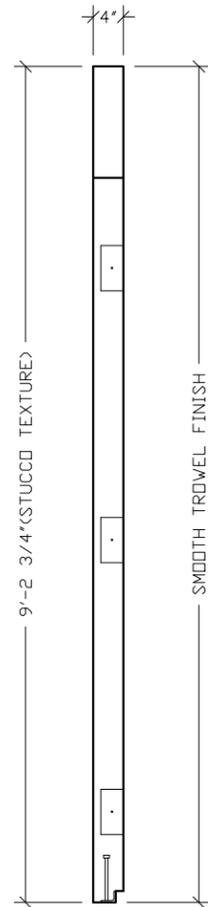
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/2"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	24

WALL PANEL
MARK W1

DWG NO.	SHEET	REV.
OZ 1-08	8	20



NOTES:

1. WALL THICKNESS = 4".
2. ONE LAYER 4x4xW8xW8 MESH.
3. R3x35, R3x96 & R3x114 TO BE PLACE IN PAIRS ONE EA FACE W/ 3/4" CLEAR COVER.
4. ALL OTHER BARS TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
PS-2	8
PS-10	2
R3x114	2
R3x96	4
R3x35	4
R405	2
AS-2	4
40 1/8" x 82 1/4" BO	1

CU. FT. CONC.	SQ. FT. W.W.F.
20.6 (0.76)	62

APPROXIMATE WEIGHT
3,090

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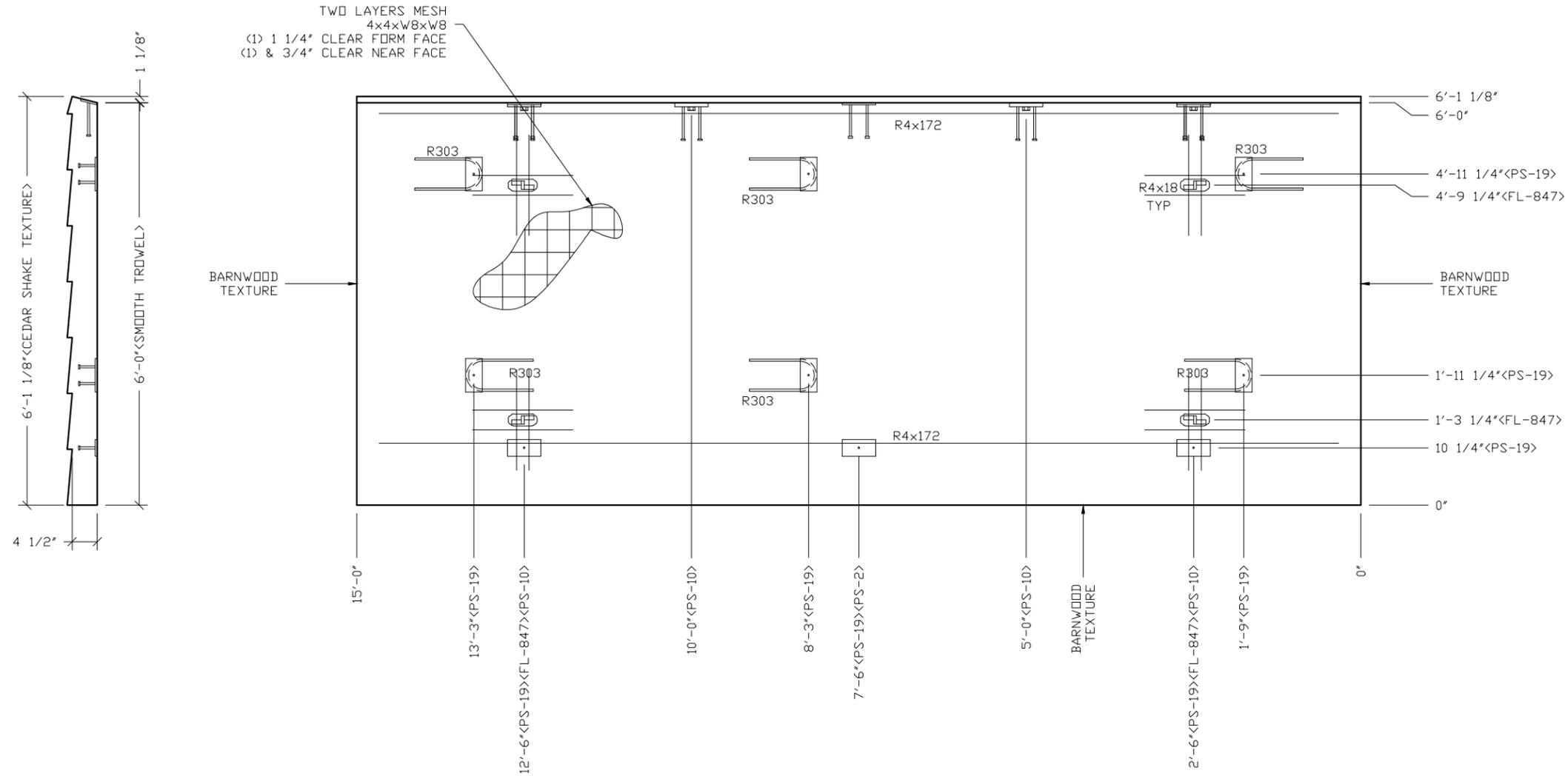
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PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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SCALE	1/2"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	24

WALL PANEL MARK W3		
DWG NO.	SHEET	REV.
OZ 1-10	10	20



EMBEDDED MATERIALS	
ITEM	QTY
PS-19	9
PS-2	1
PS-10	4
R4x172	4
R303	6
R4x18	16
FL-847	4

CU. FT. CONC.	SQ. FT. W.W.F.
37.3 (1.38)	182

APPROXIMATE WEIGHT
5,595

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Precast Products

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PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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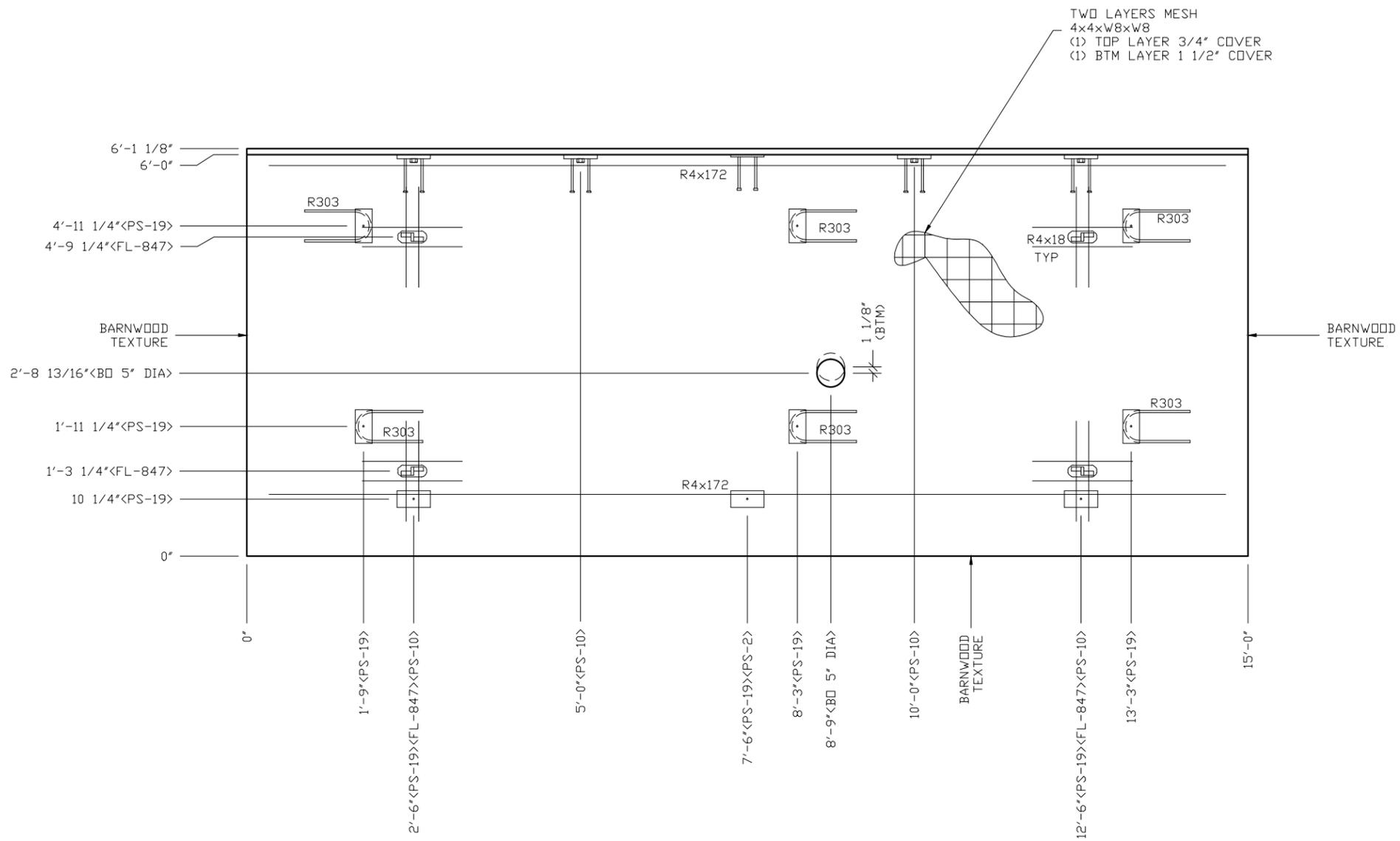
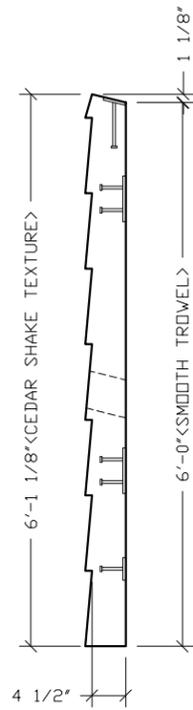
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/2"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLLOT	24

**ROOF SLAB
MARK R1**

DWG NO.	SHEET	REV.
OZ 1-13	13	20

NOTES:

1. ROOF THICKNESS = 4 1/2" MIN + TEXTURE
2. TWO LAYERS 4x4xW8xW8 MESH.
3. REINFORCING BARS R4x172 TO BE PLACED IN PAIRS, ONE AT EACH FACE WITH 1 1/4" COVER @ FORM FACE & 3/4" COVER @ NEAR FACE
4. R4x18 BARS TO BE PLACED W/ 1" COVER NEAR FACE.
5. ALL OTHER BARS TO BE CENTERED IN PANEL.



- NOTES:**
1. ROOF THICKNESS = 4 1/2" MIN + TEXTURE
 2. TWO LAYERS 4x4xW8xW8 MESH.
 3. REINFORCING BARS R4x68 & R4x172 TO BE PLACED IN PAIRS. ONE AT EACH FACE WITH 1 1/4" COVER @ FORM FACE & 3/4" COVER @ NEAR FACE
 4. R4x18 BARS TO BE PLACED W/ 1" COVER NEAR FACE.
 5. ALL OTHER BARS TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
PS-19	9
PS-2	1
PS-10	4
R4x172	4
R303	6
R4x18	16
FL-847	4
BLOCKOUT 5" DIA	1

CU. FT. CONC.	SQ. FT. W.W.F.
37.3 (1.38)	182

APPROXIMATE WEIGHT
5,595

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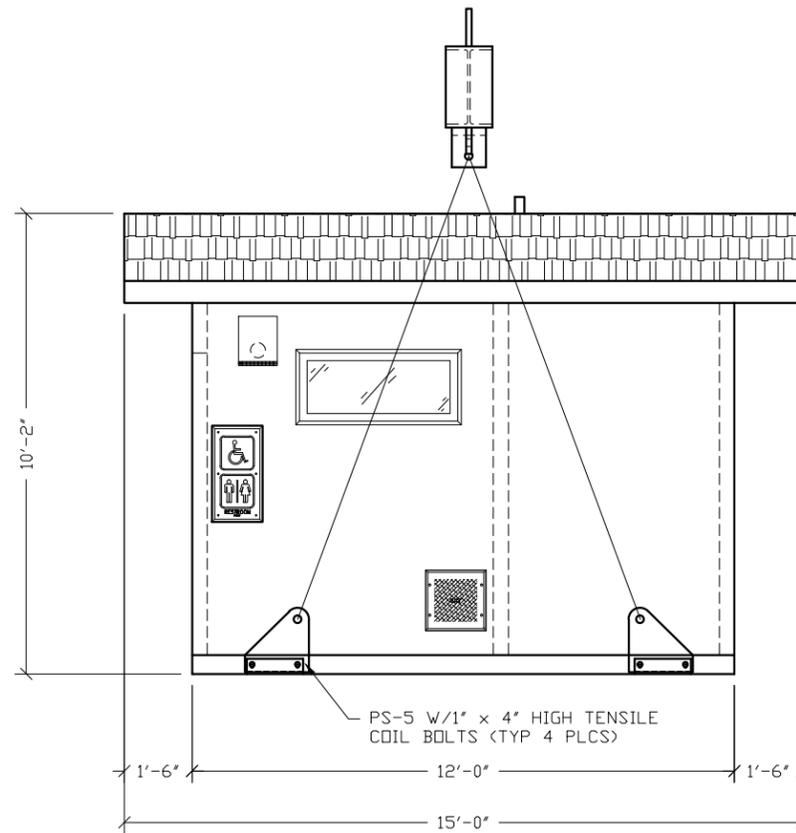
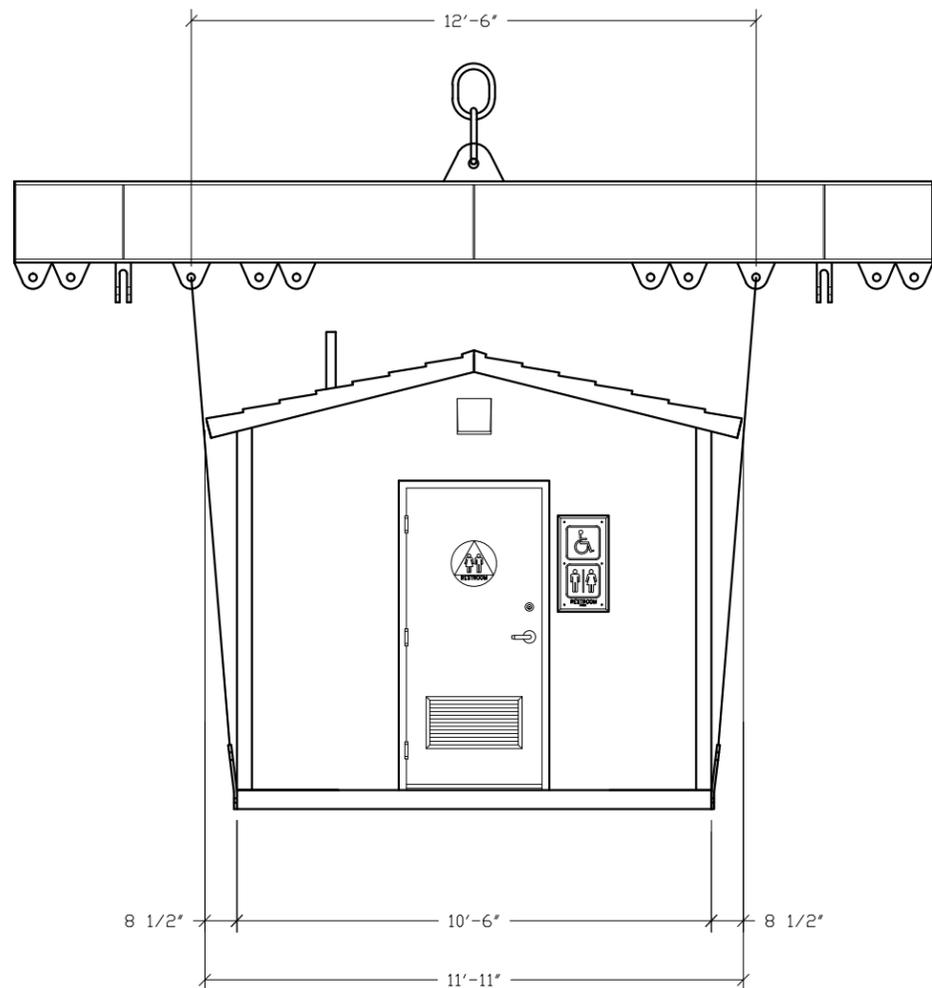
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PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	24

ROOF SLAB MARK R2		
DWG NO.	SHEET	REV.
OZ 1-14	14	20



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PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

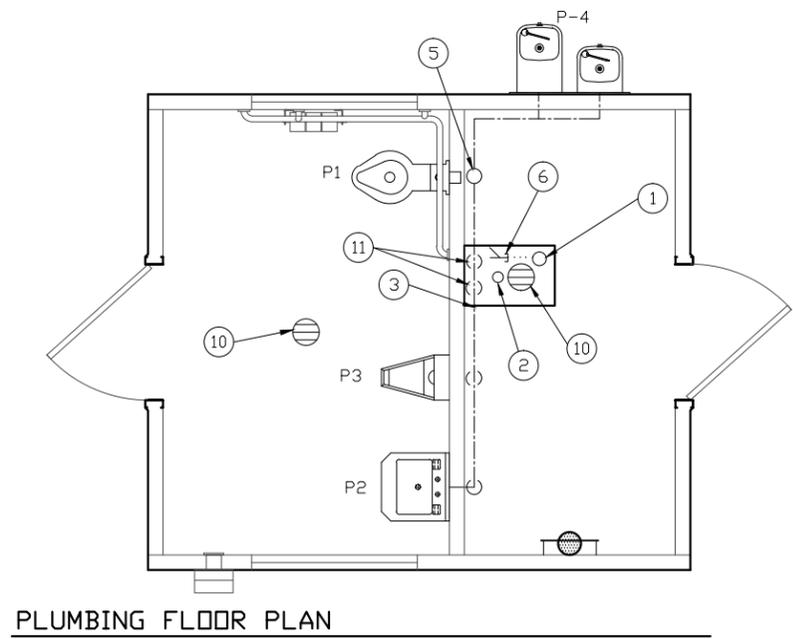
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	48

RIGGING DETAILS

DWG NO.	SHEET	REV.
OZ 1-15	15	
	20	

SHIPPING WEIGHTS AND DIMENSIONS OZI-162				
SECTION	WEIGHT	LENGTH	WIDTH	HEIGHT
A	38,700	15'-0"	11'-11"	10'-2"



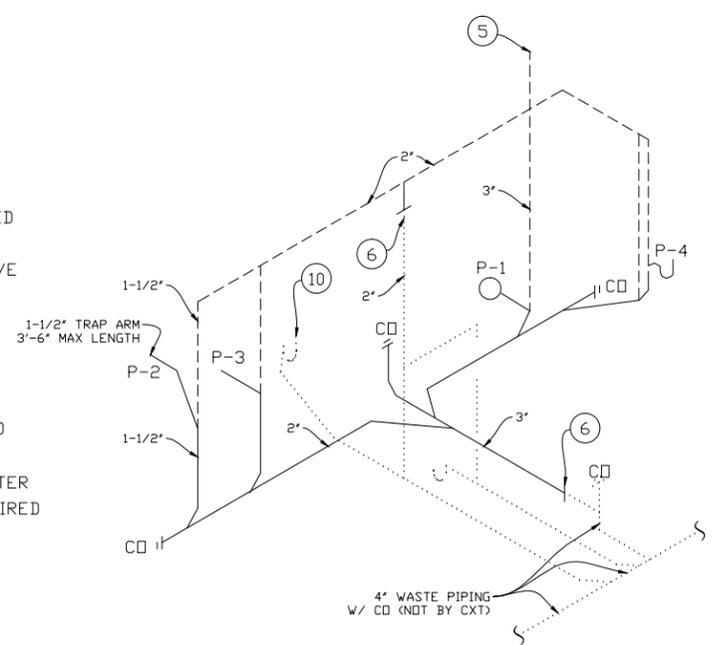
PLUMBING FLOOR PLAN
1/4" = 1'-0"

PIPING LEGEND

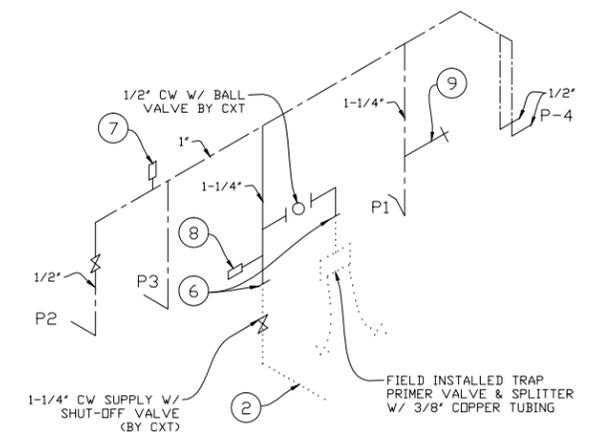
- COLD WATER
- - - VENT
- WASTE
- · · · · FIELD INSTALLED (NOT BY CXT)
- ⊗ SHUT-OFF VALVE

WASTE PIPE:
ABS ASTM D2661, SCHED. 40

PROVIDE BACKFLOW PREVENTER ONLY IF SPECIFICALLY REQUIRED BY LOCAL JURISDICTION



WASTE & VENT RISER DIAGRAM



WATER PIPING DIAGRAM

WATER PIPE - KEY NOTES

- | | |
|---|--|
| 1. 4" WASTE THRU FLOOR, NOT BY CXT. SEE WASTE & VENT DIAGRAM | 7. WATER HAMMER ARRESTOR SIOUX CHIEF HYDRA-RESTOR #654-C OR EQUAL |
| 2. 1-1/4" COLD WATER THRU FLOOR, NOT BY CXT. | 8. 1/2" AIR QUICK CONNECTION W/ BALL VALVE FOR BLOWING OUT WATER PIPING. |
| 3. VENT, CW, HW & WASTE ALONG WALL SEE WASTE & VENT AND WATER DIAGRAMS. | 9. 3/4" HOSE BIBB W/ SCREW ON VACUUM BREAKER |
| 4. NA | 10. OPTIONAL FLOOR DRAIN, FIELD INSTALLED (NOT BY CXT) |
| 5. 3" VENT THROUGH ROOF | 11. 2" VENTS, IF FLOOR DRAIN OPTION IS ACCEPTED. |
| 6. TO THIS POINT BY CXT. | 12. INSULATE WATER PIPING |

PLUMBING FIXTURE SCHEDULE

SYM	DESCRIPTION	MANUFACTURER	MODEL #	FLUSH VALVE/FAUCET	TRAP	ACTUATOR	DRAIN	HW	CW	WASTE	VENT	NOTES
P-1	WATER CLOSET	WILLOUGHBY IND (OR EQUIVALENT)	LF-ETW-1490-OF-BS-LF-TWE-3" HS-WHITE-WS	SLOAN ROYAL #952-1.6 L=3 W=4"	-	SLOAN HY33A	-	-	1-1/4"	3"	2"	1,3
P-2	LAVATORY	WILLOUGHBY IND (OR EQUIVALENT)	ES-1015-HC-1-TE	SYMMONS S-71	OFFSET 1.5x17GA.CP	-	CHROME STRAINER	-	1/2"	1-1/2"	1-1/2"	2,4
P-3	URINAL	WILLOUGHBY IND (OR EQUIVALENT)	UW 1412-WO-BS-WS-3"	SLOAN ROYAL #995-1	-	SLOAN HY33A	-	-	3/4"	2"	2"	3
P-4	DRINKING FOUNTAIN	HAWS	1119-FR	-	-	-	-	-	(2)	(2) 1 1/2"	(2) 1 1/2"	6
P-5	FLOOR DRAIN	TRAVIS	RM54960 (RESTROOM - QTY 1)	-	-	-	-	-	-	-	-	5
		SIOUX CHIEF	840-2A (CHASE - QTY 1)	-	-	-	-	-	-	-	-	

- NOTES:
- OFFSET FLUSH VALVE TAILPIECE PER ADA, RIGHT OR LEFT HAND, AS REQUIRED. PROVIDE FLUSH VALVE FOR 4" WALL THICKNESS.
 - HAMMER ARRESTOR JRS520-T-C, FLOOR DRAIN S2005A025NBLP, TRAP PRIMER - MIFAB MM5500, DISTR UNIT - MIFAB
 - MOUNT RIM AT 17" ABOVE FLOOR.
 - 1/2X15 COMP ANG LAV BSCR1915AC,
 - TRAP PRIMER- MIFAB MM500, DISTR UNIT- MIFAB
 - DUAL HEIGHT COMBINATION

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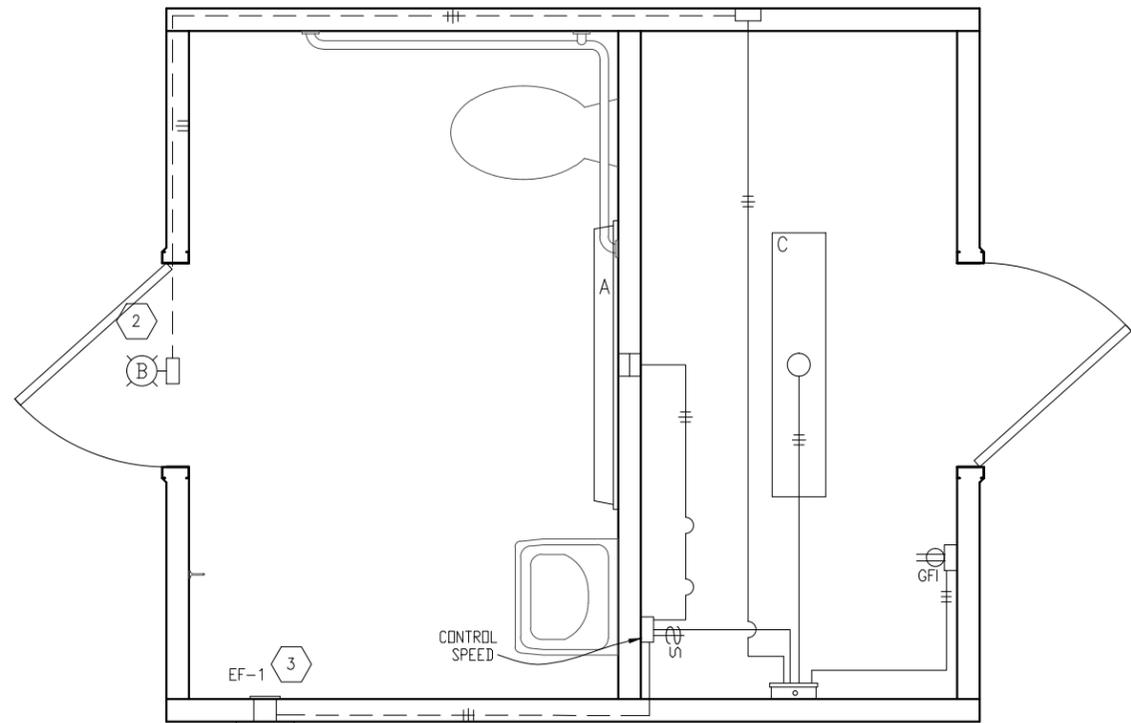


PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	48

PLUMBING PLAN, DIAGRAMS & SCHEDULES		
DWG NO. OZ 1-16	SHEET 16	REV. 20



ELECTRICAL PLAN

KEY NOTES

- 1 MOTION CONTROLLED INTERIOR LIGHT. WIRE SECOND ISOLATED CONTACT IN SERIES WITH EXHAUST FAN SPEED SWITCH FOR FAN MOTOR CONTROL.
- 2 EXTERIOR LIGHT TO BE CONTROLLED BY PHOTOCCELL.
- 3 CIRCUIT AS NEEDED FOR THE LOAD OF THE EXHAUST FAN. WIRE THRU SPEED SWITCH (IN CHASE) AND OCCUPANCY SENSOR ISOLATED CONTACT.

NTS

GENERAL ELECTRICAL NOTES

1. RECESSED JUNCTION BOXES FOR SINGLE DEVICES SHALL HAVE SINGLE GANG MUD RINGS CAST IN CONCRETE WALLS.
2. ALL RECEPTACLES SHALL BE GFCI PROTECTED BY CIRCUIT BREAKERS OR BY OTHER GFCI RECEPTACLES.
3. ALL CONDUIT SHALL BE 3/4" MINIMUM, EXPOSED CONDUIT SHALL BE EMT, RECESSED SHALL BE PVC.
4. INSTALL ALL WIRING IN CONDUIT OR RELATED ENCLOSURES.
5. ALL ELECTRICAL INSTALLATIONS SHALL MEET THE 2011 VERSION OF THE NATIONAL ELECTRIC CODE.
6. MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER, THHN INSULATION UNLESS NOTED OTHERWISE.
7. ROUTE ALL CONDUITS IN UTILITY ROOM AT CEILING OR FACE OF WALLS.
8. PROVIDE SPEED SWITCH FOR FAN CONTROL LOCATED IN CHASE.
9. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT LOCATIONS OF DEVICES, REFER TO WALL PANEL AND OTHER DRAWINGS FOR EXACT LOCATIONS OF J-BOXES, ETC.

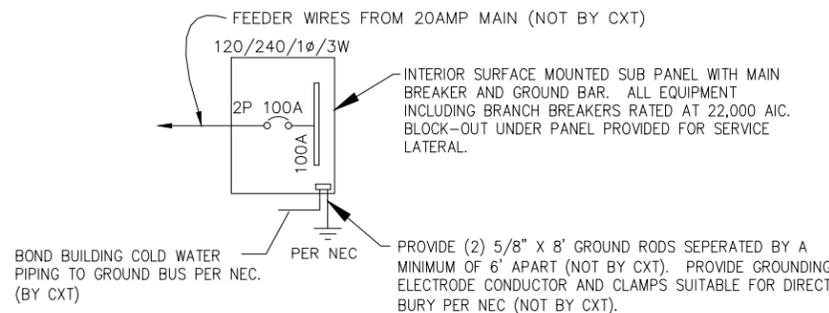
WIRE SIZE	1/2" EMT	3/4" EMT	1/2" ENT	3/4" ENT	1/2" FMC	3/4" FMC
#14 THHN	12	22	10	18	13	22
#12 THHN	9	16	7	13	9	16
#10 THHN	5	10	4	8	6	10

PANEL SCHEDULE												
AMP <u>100 SUB PANEL</u>				PANEL		TOTAL CONNECTED VA LOAD <u>365</u>						
SURFACE MOUNT				120/240V, 1P, 3W		TOTAL CALCULATED VA LOAD <u>404</u>						
CIRCUIT					LOAD							
NO.	DESCRIPTION	OCF	TYPE	(VA)	(A)	PH	NO.	DESCRIPTION	OCF	TYPE	(VA)	(A)
1	PHOTO CONTROLLED EXTERIOR LIGHT	1P/20A	C	37	0.3	A	2	CHASE RECEPTACLE	1P/20A	R	180	1.5
3	CHASE LIGHT	1P/20A	N	28	0.3	B	4	RESTROOM LIGHT & EXHAUST FAN	1P/20A	L	120	1.0
5						A	6					
7						B	8					
9						A	10					
11						B	12					
13						A	14					
15						B	16					
17						A	18					
19						B	20					
								LOAD	CONNECTED	CALCULATED		
								(C)ONTINUOUS	37 X 1.25	47 VA		
								(R)EC (1ST 10KVA)	180 X 1.00	180 VA		
								(N)ON-CONTINUOUS	28 X 1.00	28 VA		
								(L)ARGEST MOTOR	120 X 1.25	150 VA		
								TOTAL LOAD	365 VA	404 VA	1.7 AMPS	

NOTE: MAXIMUM ALLOWABLE AIC IS 22K AMPS, PANEL MODIFICATIONS WILL BE REQUIRED (NOT BY CXT) IF TRANSFORMER CAPACITY EXCEEDS 175 KVA.

SYMBOLS LEGEND

- (X) NOTE REFERENCE
- ⊕ COMBINATION SWITCH AND DUPLEX RECEPTACLE
- ⊕ X DUPLEX RECEPTACLE (X = BREAKER # IF SHOWN)
- ⊕ X GFI DUPLEX RECEPTACLE (X = BREAKER # IF SHOWN)
- ⊕ ON / OFF SWITCH
- ⊕ S SPEED SWITCH
- J JUNCTION BOX
- RECESSED JUNCTION BOX
- SURFACE MOUNTED CONDUIT, CROSSHATCH OR SLASH AND NUMBER DENOTES WIRES, (ALL #12AWG UNO, UNLESS NOTED) ONE WIRE TO BE GROUND
- CONCEALED CONDUIT
- LOAD CENTER "A"
- X WALL MOUNTED FLUORESCENT FIXTURE
- X CEILING MOUNTED FLUORESCENT FIXTURE
- ⊗ HAND DRYER WITH
- ⊗ HAND DRYER WITH DISCONNECT SWITCH
- ⊗ WH WATER HEATER
- ⊗ OS OCCUPANCY SENSOR WITH RECESSED JUNCTION BOX
- ⊗ D SAFETY DISCONNECT
- ⊗ X PANEL OR DEVICE AS NOTED
- ⊗ T THERMOSTAT
- ⊗ HEATER
- ⊗ EL ELECTRIC DOOR LOCK



ONE-LINE POWER DIAGRAM

NTS

LIGHTING FIXTURE SCHEDULE			
FIXTURE NUMBER	VOLTAGE	WATTS	DESCRIPTION
A	120	28	LUMINAIRE VPF84 INTERIOR LIGHT FIXTURE, VPF8-4-28W HP-4000K-120-CP-WHT-WET-DCC-TX/SD SURFACE MOUNTED, LED LAMP 4 FT, WRAP AROUND LENS, LOW TEMPERATURE DRIVER, BUILT IN OCCUPANCY SENSOR ACTIVATED W/ ADDITIONAL OCCUPANCY SENSOR FOR FAN CONTROL
B	120	37	RAB LIGHTING FIXTURE 'SLIMFC37N-PC', EXTERIOR, WALL MOUNTED, ALUMINUM HOUSING 37 WATT LED LAMP, DARK SKY APPROVED, BRONZE FINISH, BUILT IN PHOTOELECTRIC CONTROL
C	120	28	LUMINAIRE VPF84 INTERIOR LIGHT FIXTURE, VPF8-4-28W HP-4000K-120-CP-WHT-WET-DCC-TX/SD SURFACE MOUNTED, LED LAMP 4 FT, WRAP AROUND LENS, LOW TEMPERATURE DRIVER, BUILT IN OCCUPANCY SENSOR ACTIVATED

NOTE: THE SOURCE OF EFFICACY OF EXTERIOR LIGHTING IS TO BE A MINIMUM OF 45 LUMENS PER WATT.

EXHAUST FAN SCHEDULE							
SYM	MFR	MODEL #	CFM	SONES	VOLTS	AMPS	NTS.
EF-1	FANTECH	RVF-4XL	193	6.0	115	0.84	1,2

- NOTE:
1. WITH SPEED CONTROL MOUNTED IN CHASE.
 2. FANS LISTED FOR WET LOCATION, CONTROL VIA OCCUPANCY SENSOR. LOCATE OPEN FACE J-BOX ON EXTERIOR SIDE OF PANEL.

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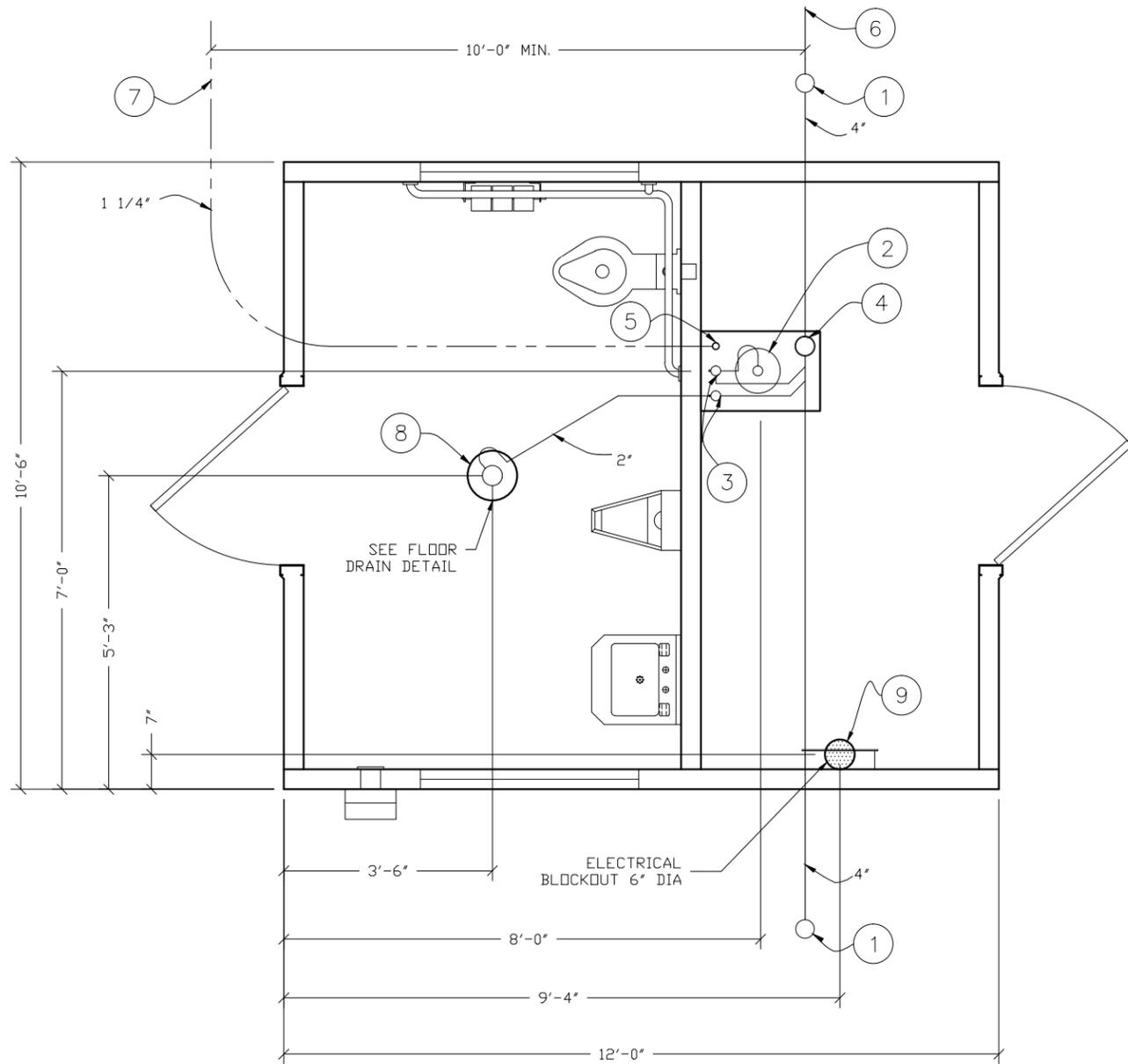
PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	07-28-16
DRAWN	DANA B	FILE NO.	OZI-162
CHECKED	RDW	PLOT	32

ELECTRICAL PLAN, DETAILS & SCHEDULES

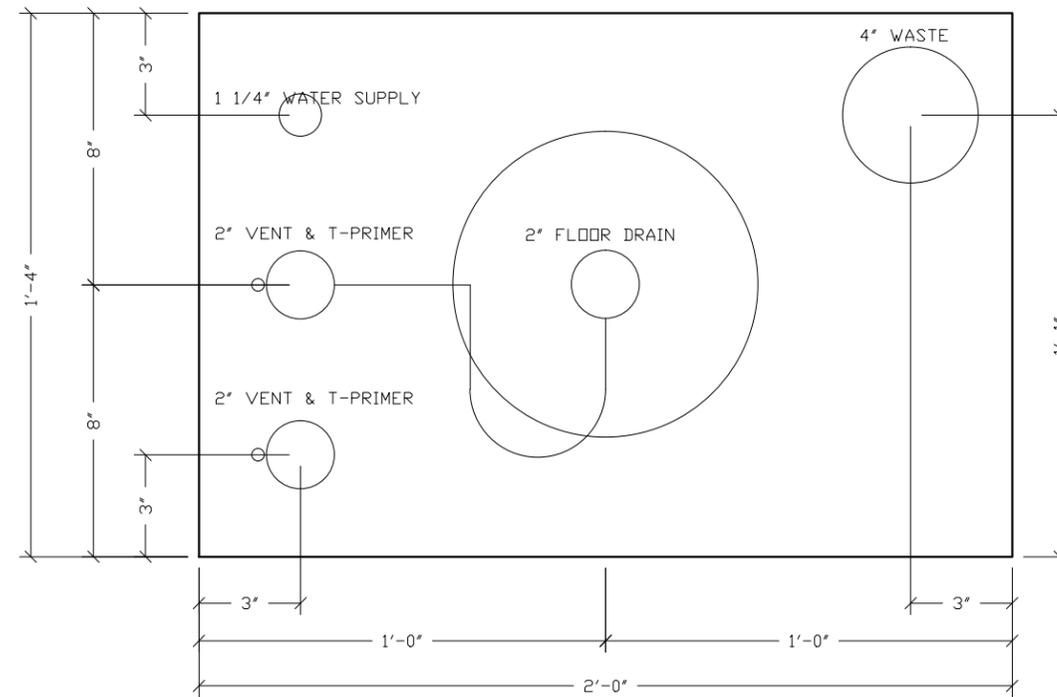
DWG NO.	SHEET	REV.
OZ 1-17	17	20



BELOW FLOOR PIPING - KEY NOTES

1. 4" CLEAN OUT TO GRADE.
2. 2" FLOOR DRAIN. FIELD INSTALLED W/ TRAP PRIMER SYSTEM IF OPTION IS ACCEPTED, INSTALL AS SHOWN W/ VENT & WASTE PIPE. (24"x16" BLOCKOUT)
3. 2" VENT EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, (1 FOR EA FLOOR DRAIN IF FLOOR DRAIN OPTION ACCEPTED) PROVIDE TEST PLUG. (24"x16" BLOCKOUT)
4. 4" WASTE PIPE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG. (24"x16" BLOCKOUT)
5. 1 1/4" TYPE K ANNEALED 'SOFT' COPPER WATER SERVICE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST CAP AT END. (24"x16" BLOCKOUT)
6. 30" MIN. BURY, PROVIDE TRACER TAPE.
7. MIN. BURY PER LOCAL REQUIREMENTS TO PROTECT AGAINST FREEZING AND DAMAGE.
8. 2" FLOOR DRAIN. FIELD INSTALLED W/ TRAP PRIMER SYSTEM IF OPTION IS ACCEPTED, INSTALL AS SHOWN W/ VENT & WASTE PIPE. (10" DIA BLOCKOUT)
9. ELECTRICAL STUB UP, (6" DIA BLOCKOUT)

ALL PIPING INDICATED ON THIS SHEET IS NOT BY CXT



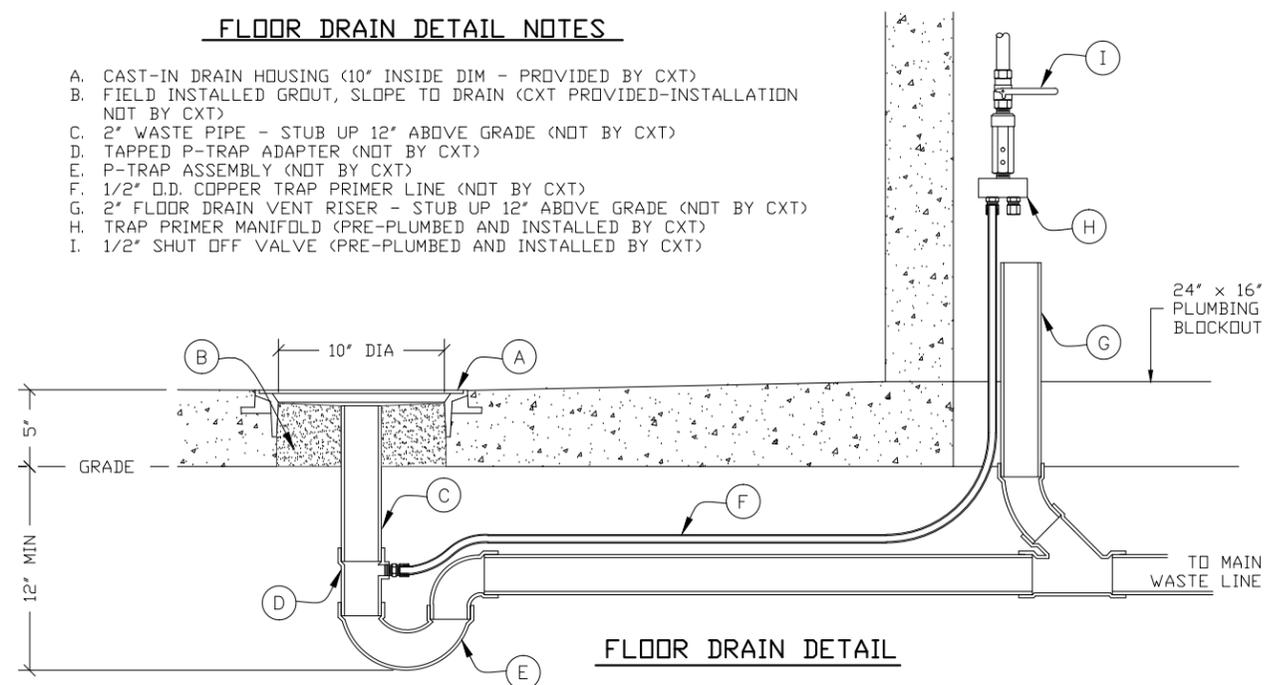
2'-0" x 1'-4" BLOCKOUT DETAIL

PIPING LEGEND

- 1-1/4" TYPE "K" ANNEALED "SOFT" COPPER WATER SERVICE
- BELOW FLOOR WASTE PIPING SCH 40 ABS TYPE DWV
- BELOW FLOOR VENT PIPING SCH 40 ABS TYPE DWV

FLOOR DRAIN DETAIL NOTES

- A. CAST-IN DRAIN HOUSING (10" INSIDE DIM - PROVIDED BY CXT)
- B. FIELD INSTALLED GROUT, SLOPE TO DRAIN (CXT PROVIDED-INSTALLATION NOT BY CXT)
- C. 2" WASTE PIPE - STUB UP 12" ABOVE GRADE (NOT BY CXT)
- D. TAPPED P-TRAP ADAPTER (NOT BY CXT)
- E. P-TRAP ASSEMBLY (NOT BY CXT)
- F. 1/2" O.D. COPPER TRAP PRIMER LINE (NOT BY CXT)
- G. 2" FLOOR DRAIN VENT RISER - STUB UP 12" ABOVE GRADE (NOT BY CXT)
- H. TRAP PRIMER MANIFOLD (PRE-PLUMBED AND INSTALLED BY CXT)
- I. 1/2" SHUT OFF VALVE (PRE-PLUMBED AND INSTALLED BY CXT)



FLOOR DRAIN DETAIL

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FLOOR DRAIN BOCKOUTS & BELOW FLOOR PIPING

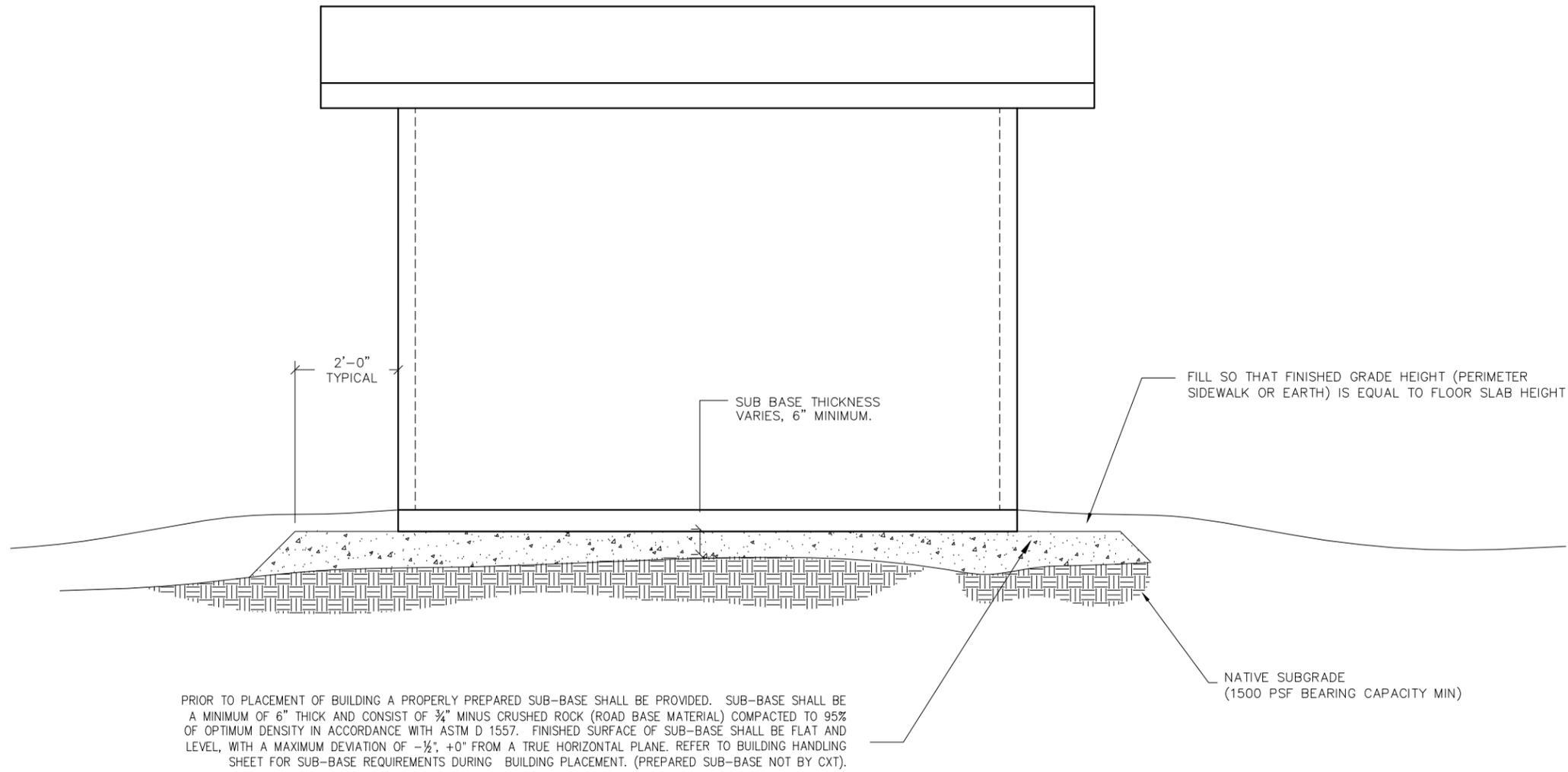
DWG NO.	SHEET	REV.
OZ 1-18	18	20

NOTE:

THIS FACTORY ASSEMBLED BUILDING AS CONSTRUCTED PROVIDES A RIGID BOX TYPE STRUCTURAL SYSTEM. VERTICAL LOADS ARE TRANSFERRED PRIMARILY THROUGH BEARING WALLS TO A PREPARED GRANULAR SUB-BASE WHICH DISSIPATES VERTICAL LOADS UNIFORMLY TO THE NATIVE SUBGRADE AND ALSO ACTS AS A FROST BARRIER. DUE TO THE INHERENT STIFFNESS OF THE BUILDING, IT WILL REMAIN SAFE AND STRUCTURALLY SOUND IN THE UNLIKELY EVENT OF FREEZING ACTION BELOW THE BUILDING.

LATERAL LOADS ARE TRANSFERRED TO THE GROUND THROUGH FRICTIONAL RESISTANCE WITHOUT SLIDING OR SHIFTING BETWEEN THE BUILDING FLOOR SLAB AND THE PREPARED SOIL AND GRAVEL SUB-BASE ON WHICH THE BUILDING RESTS. SEISMIC ANALYSES ARE BASED ON LOADS DETERMINED IN ACCORDANCE WITH THE 2013 CALIFORNIA BUILDING STANDARDS CODE (2013 CBSC) USING THE FOLLOWING PARAMETERS, WHICH MEET OR EXCEED THE CODE PRESCRIBED REQUIREMENTS FOR THIS INSTALLATION:

THIS BUILDING, AS DESIGNED, RESTING ON A PROPERLY PREPARED GRANULAR SUB-BASE WILL BE SAFE AND STRUCTURALLY SOUND FOR VERTICAL AND LATERAL LOADS AS DISCUSSED ABOVE. A FULL DEPTH FOUNDATION WALL AT THE BUILDING PERIMETER, TYPICAL FOR OTHER TYPES OF BUILDING CONSTRUCTION, IS NOT REQUIRED FOR THIS BUILDING.



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CXT Precast Products

901 N. Highway 77 Hillsboro, TX 76645

PROJECT TITLE
OZARK 1
BUILDING NUMBER OZI-162

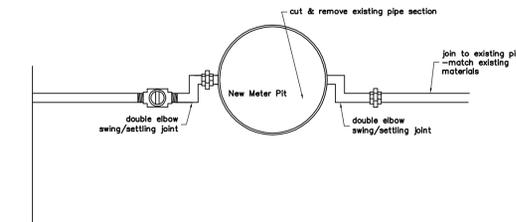
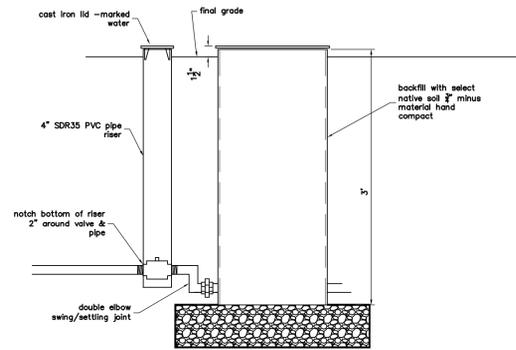
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FOUNDATION DETAIL		
DWG NO.	SHEET	REV.
OZ 1-19	19	
	20	

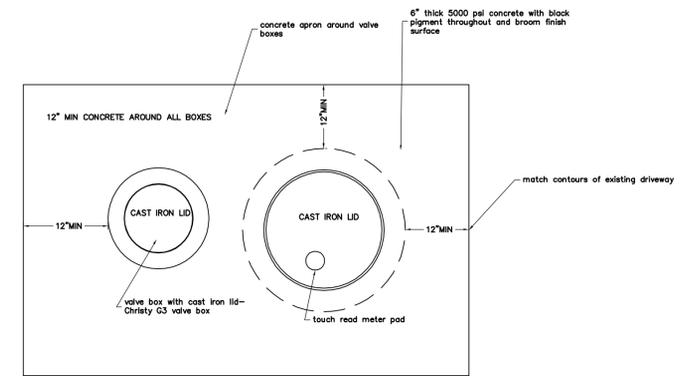
CONTRACTOR TO PROVIDE SUBMITTAL PACKAGE FOR ALL MATERIALS TO BE USED IN THE PROJECT FOR THE APPROVAL OF THE WATER COMPANY PRIOR TO ORDERING OF MATERIALS.



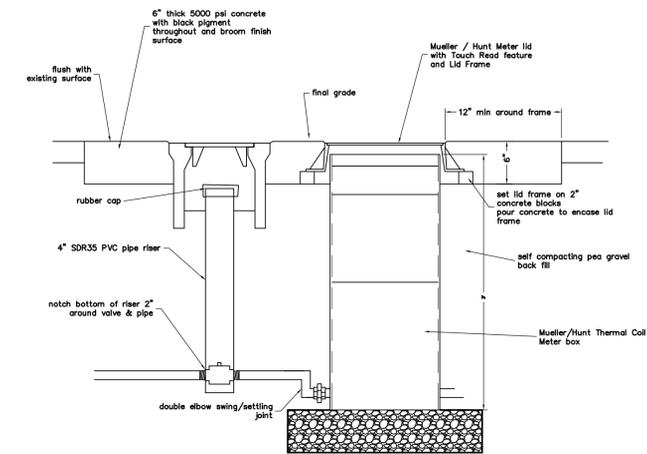
③ SINGLE METER PIT INSTALLATION IN LANDSCAPE AREA

25 LOCATIONS IN MOUNTAIN MEADOWS CONDOS
1 SIMILAR AT WHISKEY CREEK CONDOS WITH 2" Ø METER
3 LOCATIONS ON MEADOW VIEW DRIVE

- Contractor to
1. locate valves
 2. Excavate to customer valve verify pipe material and size
 3. cover excavation with steel plate or plywood while proper materials are obtained
 4. install meter pit and piping, flush customer connection at hose bib
 5. cover pit excavation with steel plate or plywood for a minimum of 24 hours
 6. check for leaks after 24 hour period - obtain inspection from water company
 7. back fill excavation with selective native material - hand compact
 8. Restore landscaping and clean area
- Contractor is responsible for fencing and security around all excavations and work areas. Areas must be kept neat and hazard free

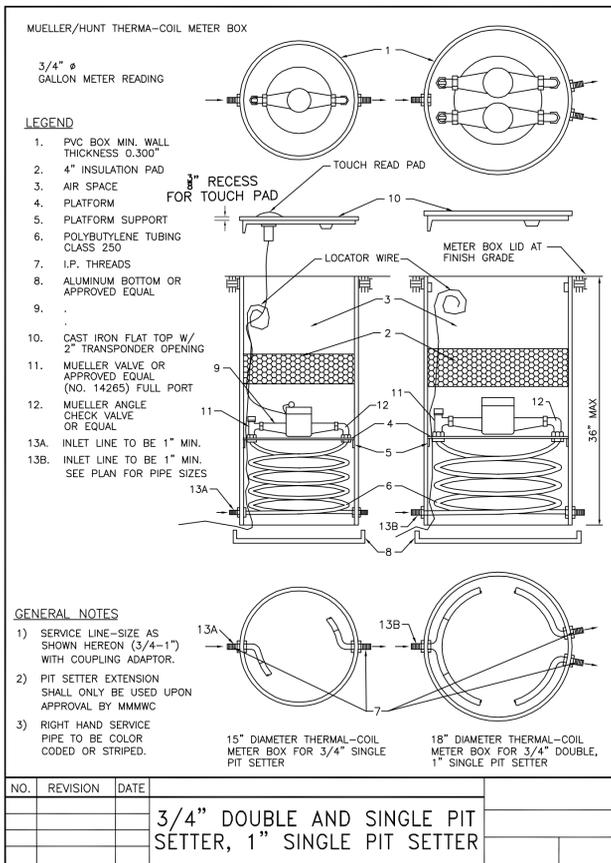


- Contractor to
1. locate saw cut AC driveway
 2. Excavate to customer valve verify pipe material and size
 3. cover excavation with steel plate while proper materials are obtained
 4. install meter pit and piping, flush customer connection at hose bib
 5. cover pit excavation with steel plate min. 24 hours
 6. check for leaks after 24 hour period - obtain inspection from water company and county inspectors
 7. back fill excavation with approved self compacting material - pea gravel
 8. install grade ring frames and valve boxes
 9. pour concrete collar around grade rings - lids to be 1/4" lower than adjacent concrete



④ METER INSTALLATION IN DRIVEWAY

9 LOCATIONS
8 LOCATION IN MOUNTAIN MEADOWS CONDOS
1 LOCATION AT 117 RICHMAN PLACE OFF OF MEADOW VIEW DRIVE



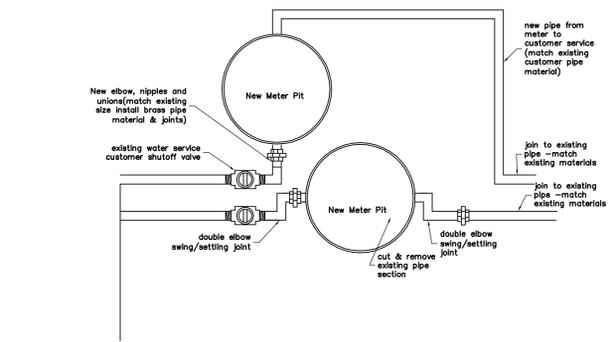
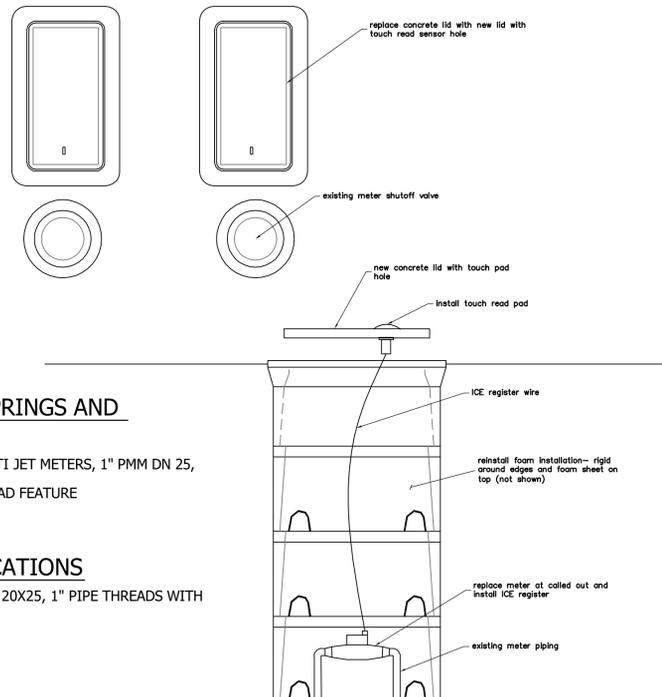
METERS IN SIERRA SPRINGS AND ROCKING-R

METERS TO BE: SENSUS PMM MULTI JET METERS, 1" PMM DN 25, 1 1/4" NPT THREADS WITH TOUCH READ FEATURE

METERS IN OTHER LOCATIONS

METERS TO BE: 3/4" SENSUS PMM DN 20X25, 1" PIPE THREADS WITH TOUCH READ FEATURE

⑥ TYPICAL METER PIT IN SIERRA SPRINGS AND ROCKING-R SUBDIVISIONS



⑤ TWO METER PIT INSTALLATION IN LANDSCAPE AREA

5 LOCATIONS AT PINON CONDOS
6 LOCATIONS ON LAKE MANOR PLACE
3 LOCATIONS ON MEADOW VIEW DRIVE

REVISIONS			

PINYON ENGINEERING
115 Eagle Vista
Bishop, Ca. 93514
760-387-2800 fax 760-387-2232

MOUNTAIN MEADOWS MUTUAL WATER COMPANY
METER INSTALLATION PROJECT
MONO COUNTY, CA
METER PIT DETAILS

SCALE N/A
DATE 5-18-07

**HILTON CREEK COMMUNITY SERVICES DISTRICT
3222 CROWLEY LAKE DR.
CROWLEY LAKE CA. 93546
760-935-4500**

DATE: August 4, 2016
TO: Peter Chapman, Mono County Public Works
FROM: Patrick Allen
RE: Skate park sewer hook-up

Hi Peter,

As per our conversation yesterday, here are a few details regarding the skate park sewer hook-up:

Current connection fee is \$6,091 with an additional \$50 inspection fee. The connection fee may be raised in Feb. of 2017, although if it is raised it will be very small. Inspection will take place when the connection is complete and before back-fill. The lateral will be 4" and will connect to our 6" main located as discussed previously. All costs will be the responsibility of the County. No storm drain collection or runoff will be allowed into the sewer system. Of course, the County reserves the right to appear before the Hilton Creek CSD Board at one of our monthly meetings to request a change in any or all of the above, as final decisions are made by the Board. An application for connection will need to be filed with attached connection fee before work commences. Let me know who you would like to receive the application.

Thanks,
Patrick Allen
HCCSD General Manager

RESOLUTION #80-01C
HILTON CREEK COMMUNITY SERVICES DISTRICT
STANDARD SPECIFICATIONS
FOR THE CONSTRUCTION OF BUILDING SEWERS

Building Sewer Materials

The following standard sewer pipe materials will be accepted by the Hilton Creek Community Services District: Asbestos Cement Pipe, Class 1500 or Class 2400, as required; SDR 33-5 Schedule or 40 PVC Pipe; Johns-Manvil PVC Gravity Sewer Pipe; Solid wall ABS Sewer Pipe. All building sewers, beginning two feet from any building or structure shall have a minimum pipe size of 4-inch diameter. All building sewers serving two single-family residences on one lot shall be 4-inch diameter pipe. All building sewers serving more than one resident or structure shall be a minimum of 6-inch diameter pipe when commercial property. The General Manager of the District must approve any changes in the above specification.

Minimum Sewer Slope

Building sewers shall be run in practical alignment and at a uniform slope of not less than one-fourth (1/4) of an inch per foot toward the public sewer connection; provided, that where it is impractical to obtain a slope of one-fourth (1/4) of an inch per foot, a building sewer may have a slope of not less than one-eighth (1/8) of an inch per foot when specifically approved by the Hilton Creek Community Services District.

Cleanouts

- (A) A two-way cleanout shall be provided at the beginning of the building sewer, and shall not be closer than three (3) feet from any building or structure.
- (B) A cleanout shall be installed adjacent to the subscribed property line and shall be located one foot outside of the property line, where practical.
- (C) Cleanouts shall be placed in every building sewer at intervals not to exceed one hundred (100) feet in straight runs.
- (D) Every change in alignment or grade in excess of forty-five degrees in a building sewer shall be served by a cleanout, except that no cleanout shall be required for not to exceed one (1) forty-five degree change of direction or one (1) forty-five degree offset.
- (E) Each cleanout shall be installed so that it opens in a direction opposite to the flow of the soil or waste or at right angles thereto, and except in the case of "Y" branch and end-of-line cleanouts, vertically above the flow of the pipe.

(F) All cleanouts shall be made accessible by yard boxes with cover exposed approximately one (1) inch above grade. Use Brooks Products, Inc.. No. 36 or 1 RD Box or equal marked "Sewer".

Sewer and Water Separation

(A) The bottom of the water piping at all points shall be at least twelve (12) inches above the top of the sewer piping. The water piping shall rest on a solid shelf at one side of the common trench. Minimum horizontal separation between sewer and water pipes shall be eighteen (18) inches.

(B) If the vertical separation in (A) cannot be maintained, the minimum horizontal separation between water and sewer pipes shall be five (5) feet.

Inspection

It shall be the duty of the subscriber or the person doing the work authorized by the subscriber to notify the General Manager of the District orally or in writing, that said work is ready for inspection. Such notification shall be given not less than twenty-four (24) hours before the work is to be inspected. It shall be the duty of the person doing the work to be on the jobsite with the District's Inspector; in no case will work be accepted that cannot be visually checked. District inspection hours shall be from 9:00 a.m. to 5:00 p.m. Monday through Friday, and it shall be the responsibility of the subscriber to arrange for the inspection during these hours.

Inspection Fees

The inspection fees shall be charged to all subscribers upon application for sewer service at the then current rate determined for one (1) sewer connection inspection.

Any subscriber requiring inspection after the hours stated above or on weekends shall be charged for the District's inspection at the rate of \$50.00 per inspection as an after hours charge, over and above the normal required "inspection fee". The minimum after hours charge shall be \$50.00 (per inspection).

Building Sewer and Inspection Requirements

Inspection fee stated above is payable at time of application for each unit of service. Three inspections may be made: (1) from building to Main before backfill; (2) after backfill for installation of cleanout boxes; (3) after complete pumping and demolition and backfill of septic tank. Twenty-four (24) hour notice is required prior to each inspection. No person or persons shall be permitted to make any connection to main sewers, laterals or extension of sewer lines without written permission of the Hilton Creek Community Services District.

PASSED AND ADOPTED by the Board of Directors of the Hilton Creek Community Services District, County of Mono, State of California, this 12th day of June 1980 by the following vote:

AYES: Timothy DeVore, Randy Witters, Tom Long, Richard King, Bruce Malby

NOES: None

ABSENT: None

S/ _____
Timothy DeVore, Chairman
Board of Directors
Hilton Creek Community Services District

ATTEST:

S/ _____
Richard King, Secretary
Board of Directors
Hilton Creek Community Services District

HILTON CREEK COMMUNITY SERVICES DISTRICT
3222 CROWLEY LAKE DRIVE
CROWLEY LAKE, CA 93546
(760) 934-6299

APPLICATION FOR SEWER SERVICE

DATE OF APPLICATION: _____
APPLICANT'S NAME (Property Owner): _____
MAILING ADDRESS: _____
CITY, STATE, ZIP: _____
DAYTIME TELEPHONE NO.: _____

IS THIS THE SAME AS THE PERSON TO WHOM THE BILLS SHOULD BE MAILED? NO IF NOT, CUSTOMER NAME: Mono County Department of Public Works
MAILING ADDRESS: P.O. Box 457, Bridgeport, CA 93517

LEGAL DESCRIPTION (ASSESSOR'S PARCEL NO.): 060210020000
TYPE OF CONSTRUCTION: Community Center Outdoor Unisex Bathroom
DESCRIPTION OF PROPOSED WORK TO CONNECT PREMISES TO DISTRICT'S SEWER SYSTEM: _____
NAME OF PERSON/BUSINESS WHO WILL PERFORM WORK (must be a licensed contractor with appropriate insurance): _____

**The District may require plans, specifications, drawings, or other such information as may be deemed necessary and the work must be performed in conformance with all of the District's ordinances, regulations, specifications and requirements.

DATE APPLICANT WILL BE READY FOR INSPECTION: _____
HAVE PREMISES BEEN PREVIOUSLY SERVED BY THE DISTRICT? _____
HAVE CONNECTION CHARGES BEEN PREVIOUSLY PAID FOR PREMISES? _____
IF SO, AMOUNT OF SUCH CHARGES: _____ DATE PAID: _____

If the customer designated above is other than the applicant, the applicant hereby agrees to guarantee payment of all Districts rates and charges incurred for service to his/her premises, agrees to be subject to District ordinances, rules

and regulations governing sewer service, and agrees to be responsible jointly and severally with the designated customer for the payment of any delinquent bill. Applicant hereby acknowledges that this completed application and the issuance of a sewer connection permit pursuant thereto is subject to District ordinances, rules and regulations including but not limited to, Ordinance No. 81-01, as amended, and Ordinance 2002-01.

Signature of Applicant

For completion by District:

CURRENT CONNECTION CHARGES DUE: _____
CREDIT FOR PREVIOUSLY PAID CHARGES: _____
TOTAL DUE FOR CONNECTION CHARGE: _____
PAID RECEIPT NO.: _____

INSPECTION FEE DUE: _____
CREDIT FOR PREVIOUSLY PAID FEE: _____
TOTAL DUE FOR INSPECTION FEE: _____
PAID RECEIPT NO.: _____

**If customer is connecting to an existing lateral on the property, for which a connection charge has already been paid, there is no connection charge due. However, the connection must be inspected by the District and an Inspection Fee is due for this service.

DATE APPLICATION IS DETERMINED TO BE COMPLETE: _____

DISTRICT REPRESENTATIVE SIGNATURE



MONO COUNTY DEPARTMENT OF PUBLIC WORKS

POST OFFICE BOX 457 • 74 NORTH SCHOOL STREET • BRIDGEPORT, CALIFORNIA 93517
760.932.5440 • Fax 760.932.5441 • monopw@mono.ca.gov • www.monocounty.ca.gov

BID SCHEDULE: CROWLEY LAKE COMMUNITY CENTER SKATEPARK PARKING LOT IMPROVEMENTS

ITEM	UNIT COST	UNIT	QUANTITY	TOTAL
MOBILIZATION		LS		
BUS STOP RELOCATION		LS		
EROSION CONTROL		LS		
GRADING				
Excavation & Embankment		CY		
Import & Embankment		CY		
			GRADING TOTAL	
ASPHALT PAVING				
3" HMA		SF		
4" CL2 AB		CY		
Slurry, Fog Seal, Striping		LS		
			ASPHALT PAVING TOTAL	
CONCRETE				
4" Sidewalk on 4" CL2 AB		SF		
Curb & Gutter w/ Snowpole Sleeves		LF		
Retaining Curb		LF		
HC Ramps with Truncated Domes		EA		
HC Signage		EA		
Bus Pad		LS		
			CONCRETE TOTAL	
UTILITIES				
2" Water Tap To Meter Pit		EA		
1" Water Meter		EA		
1-1/4" Water Line		LF		
Sewer Connection Fee		LS		
4" SS Line & Floor Drain Plumbing		LF		
Electrical Service Line		LF		
			UTILITIES TOTAL	
			SUBTOTAL	
			CONSTRUCTION ADMINISTRATION	
			PROFIT	
			BID TOTAL	