

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

TABLE 5.504.4.1 - ADHESIVE VOC LIMITS	
Less Volatile and Less Exempt Compounds in Grams per Liter	Current VOC LIMIT
ARCHITECTURAL APPLICATIONS	50
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
CURTAIN ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
GLUE BARS ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	150
STRUCTURAL WOOD JOINT ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	50
PVC WELDING	50
OPVC WELDING	490
ABS WELDING	300
PLASTIC JOINT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	50
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD JOINT ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE PREPARE APPLICATIONS	50
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL, EXCEPT WOOD	30
WOOD	80
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT OF ADHESIVES, SEE TABLE 5.504.4.2, "TEST METHODS FOR MEASURING VOC CONTENT OF ADHESIVES," IN THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE.

TABLE 5.504.4.2 - SEALANT VOC LIMIT	
Less Volatile and Less Exempt Compounds in Grams per Liter	Current VOC LIMIT
SEALANTS	250
ARCHITECTURAL	750
MAINTENANCE SEAL	750
NONWATERBORNE ROOF	250
ROADWAY	450
SINGLE-PLY ROOF MEMBRANE	450
OTHER	250
SEALANT PRIMER	250
ARCHITECTURAL	250
MAINTENANCE SEAL	750
POROUS	775
MODIFIED BITUMINOUS	550
MAINTENANCE SEAL	750
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.3 - FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	CURRENT LIMIT
PRODUCT	
HARDWORED PLYWOOD VENEER CORE	0.05
HARDWORED PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.05
MEDIUM DENSITY FIBERBOARD	0.05
THIN MEDIUM DENSITY FIBERBOARD	0.05

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) IN ITS 2001 CARBON-REDUCING POLICY. FOR ADDITIONAL INFORMATION, SEE CARB WEBSITE AT <http://www.carb.ca.gov>.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES OR LESS.

TABLE 5.504.4.3 - CONT.	
NAME OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	CURRENT VOC LIMIT
COATING CATEGORY	
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
IRON POWDERS	250
CONCRETE CURING COMPOUNDS	300
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	300
DRY FILL COATINGS	150
FAUX FINISHING COATINGS	250
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	350
FORM-RELEASE COATINGS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	400
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	100
MAGNETIC COATINGS	350
MASTIC TEXTURE COATINGS	350
METALLIC FINISHED COATINGS	500
MULTI-COAT COATINGS	250
PRETREATMENT VASH PRIMER	400
PRIMER, SEALER, & UNDERCOATERS	350
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	750
SHELLAC	250
CLEAR	500
SPRINKLE	350
SPECIALTY PRIMER, SEALER & UNDERCOATERS	350
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	400
TUB & TILE REPAIR COATINGS	400
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMER	340

1. GRADE OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. USE PREVENTATIVE COATINGS IN THE FOLLOWING AREAS:

3. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT OF COATINGS, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.4 - SEALANT VOC LIMIT

Less Volatile and Less Exempt Compounds in Grams per Liter	Current VOC LIMIT
SEALANTS	250
ARCHITECTURAL	750
MAINTENANCE SEAL	750
NONWATERBORNE ROOF	250
ROADWAY	450
SINGLE-PLY ROOF MEMBRANE	450
OTHER	250
SEALANT PRIMER	250
ARCHITECTURAL	250
MAINTENANCE SEAL	750
POROUS	775
MODIFIED BITUMINOUS	550
MAINTENANCE SEAL	750
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	CURRENT LIMIT
PRODUCT	
HARDWORED PLYWOOD VENEER CORE	0.05
HARDWORED PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.05
MEDIUM DENSITY FIBERBOARD	0.05
THIN MEDIUM DENSITY FIBERBOARD	0.05

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) IN ITS 2001 CARBON-REDUCING POLICY. FOR ADDITIONAL INFORMATION, SEE CARB WEBSITE AT <http://www.carb.ca.gov>.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES OR LESS.

TABLE 5.504.4.5 - CONT.	
NAME OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	CURRENT VOC LIMIT
COATING CATEGORY	
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
IRON POWDERS	250
CONCRETE CURING COMPOUNDS	300
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	300
DRY FILL COATINGS	150
FAUX FINISHING COATINGS	250
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	350
FORM-RELEASE COATINGS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	400
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	100
MAGNETIC COATINGS	350
MASTIC TEXTURE COATINGS	350
METALLIC FINISHED COATINGS	500
MULTI-COAT COATINGS	250
PRETREATMENT VASH PRIMER	400
PRIMER, SEALER, & UNDERCOATERS	350
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	750
SHELLAC	250
CLEAR	500
SPRINKLE	350
SPECIALTY PRIMER, SEALER & UNDERCOATERS	350
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	400
TUB & TILE REPAIR COATINGS	400
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMER	340

1. GRADE OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. USE PREVENTATIVE COATINGS IN THE FOLLOWING AREAS:

3. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT OF COATINGS, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.6 - SEALANT VOC LIMIT

Less Volatile and Less Exempt Compounds in Grams per Liter	Current VOC LIMIT
SEALANTS	250
ARCHITECTURAL	750
MAINTENANCE SEAL	750
NONWATERBORNE ROOF	250
ROADWAY	450
SINGLE-PLY ROOF MEMBRANE	450
OTHER	250
SEALANT PRIMER	250
ARCHITECTURAL	250
MAINTENANCE SEAL	750
POROUS	775
MODIFIED BITUMINOUS	550
MAINTENANCE SEAL	750
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.7 - FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	CURRENT LIMIT
PRODUCT	
HARDWORED PLYWOOD VENEER CORE	0.05
HARDWORED PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.05
MEDIUM DENSITY FIBERBOARD	0.05
THIN MEDIUM DENSITY FIBERBOARD	0.05

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) IN ITS 2001 CARBON-REDUCING POLICY. FOR ADDITIONAL INFORMATION, SEE CARB WEBSITE AT <http://www.carb.ca.gov>.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES OR LESS.

TABLE 5.504.4.7 - CONT.	
NAME OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	CURRENT VOC LIMIT
COATING CATEGORY	
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
IRON POWDERS	250
CONCRETE CURING COMPOUNDS	300
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	300
DRY FILL COATINGS	150
FAUX FINISHING COATINGS	250
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	350
FORM-RELEASE COATINGS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	400
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	100
MAGNETIC COATINGS	350
MASTIC TEXTURE COATINGS	350
METALLIC FINISHED COATINGS	500
MULTI-COAT COATINGS	250
PRETREATMENT VASH PRIMER	400
PRIMER, SEALER, & UNDERCOATERS	350
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	750
SHELLAC	250
CLEAR	500
SPRINKLE	350
SPECIALTY PRIMER, SEALER & UNDERCOATERS	350
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	400
TUB & TILE REPAIR COATINGS	400
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMER	340

1. GRADE OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. USE PREVENTATIVE COATINGS IN THE FOLLOWING AREAS:

3. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT OF COATINGS, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.8 - SEALANT VOC LIMIT

Less Volatile and Less Exempt Compounds in Grams per Liter	Current VOC LIMIT
SEALANTS	250
ARCHITECTURAL	750
MAINTENANCE SEAL	750
NONWATERBORNE ROOF	250
ROADWAY	450
SINGLE-PLY ROOF MEMBRANE	450
OTHER	250
SEALANT PRIMER	250
ARCHITECTURAL	250
MAINTENANCE SEAL	750
POROUS	775
MODIFIED BITUMINOUS	550
MAINTENANCE SEAL	750
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.9 - FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	CURRENT LIMIT
PRODUCT	
HARDWORED PLYWOOD VENEER CORE	0.05
HARDWORED PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.05
MEDIUM DENSITY FIBERBOARD	0.05
THIN MEDIUM DENSITY FIBERBOARD	0.05

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) IN ITS 2001 CARBON-REDUCING POLICY. FOR ADDITIONAL INFORMATION, SEE CARB WEBSITE AT <http://www.carb.ca.gov>.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES OR LESS.

TABLE 5.504.4.9 - CONT.	
NAME OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	CURRENT VOC LIMIT
COATING CATEGORY	
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
IRON POWDERS	250
CONCRETE CURING COMPOUNDS	300
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	300
DRY FILL COATINGS	150
FAUX FINISHING COATINGS	250
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	350
FORM-RELEASE COATINGS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	400
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	100
MAGNETIC COATINGS	350
MASTIC TEXTURE COATINGS	350
METALLIC FINISHED COATINGS	500
MULTI-COAT COATINGS	250
PRETREATMENT VASH PRIMER	400
PRIMER, SEALER, & UNDERCOATERS	350
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	750
SHELLAC	250
CLEAR	500
SPRINKLE	350
SPECIALTY PRIMER, SEALER & UNDERCOATERS	350
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	400
TUB & TILE REPAIR COATINGS	400
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMER	340

1. GRADE OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. USE PREVENTATIVE COATINGS IN THE FOLLOWING AREAS:

3. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT OF COATINGS, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.10 - SEALANT VOC LIMIT

Less Volatile and Less Exempt Compounds in Grams per Liter	Current VOC LIMIT
SEALANTS	250
ARCHITECTURAL	750
MAINTENANCE SEAL	750
NONWATERBORNE ROOF	250
ROADWAY	450
SINGLE-PLY ROOF MEMBRANE	450
OTHER	250
SEALANT PRIMER	250
ARCHITECTURAL	250
MAINTENANCE SEAL	750
POROUS	775
MODIFIED BITUMINOUS	550
MAINTENANCE SEAL	750
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.11 - FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	CURRENT LIMIT
PRODUCT	
HARDWORED PLYWOOD VENEER CORE	0.05
HARDWORED PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.05
MEDIUM DENSITY FIBERBOARD	0.05
THIN MEDIUM DENSITY FIBERBOARD	0.05

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) IN ITS 2001 CARBON-REDUCING POLICY. FOR ADDITIONAL INFORMATION, SEE CARB WEBSITE AT <http://www.carb.ca.gov>.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES OR LESS.

TABLE 5.504.4.11 - CONT.	
NAME OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	CURRENT VOC LIMIT
COATING CATEGORY	
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
IRON POWDERS	250
CONCRETE CURING COMPOUNDS	300
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	300
DRY FILL COATINGS	150
FAUX FINISHING COATINGS	250
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	350
FORM-RELEASE COATINGS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	400
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	100
MAGNETIC COATINGS	350
MASTIC TEXTURE COATINGS	350
METALLIC FINISHED COATINGS	500
MULTI-COAT COATINGS	250
PRETREATMENT VASH PRIMER	400
PRIMER, SEALER, & UNDERCOATERS	350
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	750
SHELLAC	250
CLEAR	500
SPRINKLE	350
SPECIALTY PRIMER, SEALER & UNDERCOATERS	350
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	400
TUB & TILE REPAIR COATINGS	400
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMER	340

1. GRADE OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. USE PREVENTATIVE COATINGS IN THE FOLLOWING AREAS:

3. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT OF COATINGS, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.12 - SEALANT VOC LIMIT

Less Volatile and Less Exempt Compounds in Grams per Liter	Current VOC LIMIT
SEALANTS	250
ARCHITECTURAL	750
MAINTENANCE SEAL	750
NONWATERBORNE ROOF	250
ROADWAY	450
SINGLE-PLY ROOF MEMBRANE	450
OTHER	250
SEALANT PRIMER	250
ARCHITECTURAL	250
MAINTENANCE SEAL	750
POROUS	775
MODIFIED BITUMINOUS	550
MAINTENANCE SEAL	750
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.13 - FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	CURRENT LIMIT
PRODUCT	
HARDWORED PLYWOOD VENEER CORE	0.05
HARDWORED PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.05
MEDIUM DENSITY FIBERBOARD	0.05
THIN MEDIUM DENSITY FIBERBOARD	0.05

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD (CARB) IN ITS 2001 CARBON-REDUCING POLICY. FOR ADDITIONAL INFORMATION, SEE CARB WEBSITE AT <http://www.carb.ca.gov>.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES OR LESS.

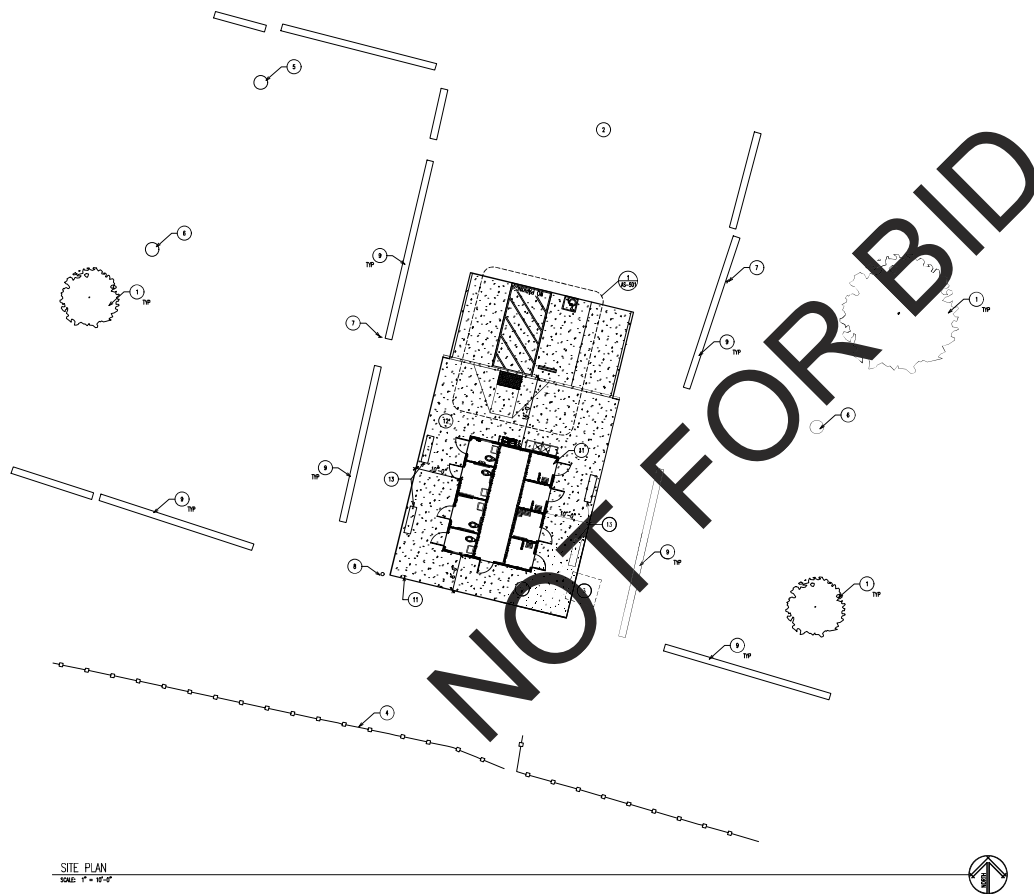
TABLE 5.504.4.13 - CONT.	
NAME OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	CURRENT VOC LIMIT
COATING CATEGORY	
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
IRON POWDERS	250
CONCRETE CURING COMPOUNDS	300
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	300
DRY FILL COATINGS	150
FAUX FINISHING COATINGS	250
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	350
FORM-RELEASE COATINGS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	400
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	100
MAGNETIC COATINGS	350
MASTIC TEXTURE COATINGS	350
METALLIC FINISHED COATINGS	500
MULTI-COAT COATINGS	250
PRETREATMENT VASH PRIMER	400
PRIMER, SEALER, & UNDERCOATERS	350
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	750
SHELLAC	250
CLEAR	500
SPRINKLE	350
SPECIALTY PRIMER, SEALER & UNDERCOATERS	350
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	400
TUB & TILE REPAIR COATINGS	400
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMER	340

1. GRADE OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

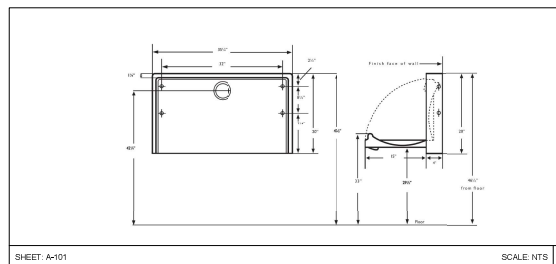
2. USE PREVENTATIVE COATINGS IN THE FOLLOWING AREAS:

3. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT OF COATINGS, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 168.

TABLE 5.504.4.14 - SEALANT VOC LIMIT



 architecture interiors planning			1177 Idaho Street, Suite 200 Redlands, CA 92374 Phone: (909) 335-6440 Fax: (909) 335-6299 info@miller-ai.com		
					
owner approval					
initials	date	phase			
revisions/addenda					
rev	date	comment			
1	04/04/06				
2					
3					
4					
5					
SAN BERNARDINO COUNTY PRADO TENT CAMP RESTROOM ADDITION CHINO, CA 91710 APR. 10/25/05-06/06/06					
SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT 300 NORTH ARROWHEAD AVE. THIRD FLOOR REDLANDS, CA 92374 CONTACT: SAREETA REDD PHONE: 909.684.0427					
project information					
PROJECT NO.	230044LR				
DWG FILE:	AS-501.DWG				
DRAWN BY:	PK				
CHECKED BY:	GMM				
DRAWING SCALE:	AS NOTED				
DATE	2/6/2004				
sheet name					
SITE DETAILS					
sheet number					
AS-501					

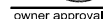


SCALE: NTS

1. VERIFY EXISTING CONSTRUCTION WITHIN SCOPE OF WORK TO ENSURE CONFORMANCE WITH NOTED PERMITS AND LOCAL CODES. RETROFIT NONCONFORMING CONSTRUCTION AS REQUIRED.
2. ALL NEW WORK SHALL CONFORM TO BUILDING STANDARDS, UNLESS NOTED OTHERWISE.
3. PREPARE ALL SURFACES AS REQUIRED TO RECEIVE NEW FINISH.
4. FINISH: PREPARE SLAB-FLOOR AND LEAVE IN RAUGHEN CLEAN CONDITION IN ORDER TO RECEIVE FLOORING. FLOOR SHALL BE LEVEL AND FREE OF DIPS, DUMPLES AND JOINTS THAT WOULD SHOW THROUGH FINISHED INSTALLATION.

2. HORIZONTAL RIBBY CHANGING STATION BY FOUNDATIONS PROVIDED AND INSTALLED BY CONTRACTOR SURFACE MOUNTED - STAINLESS STEEL, 250 LB CAPACITY-302SSC-SW. SEE DETAIL 1/A-102

EX-100 CONCRETE TILT-UP PANEL

revisions/addenda

mark	date	comment
A	00/00/00	
A		
A		
A		
A		

SAN BERNARDINO COUNTY PRADO TENT CAMP
RESTROOM ADDITION

CHINO, CA 91708
APN: 1057-201-10-0000

AN BERNARDINO COUNTY
NORTH & FACILITIES MANAGEMENT DEPARTMENT
35 NORTH ARROWHEAD AVE. THIRD FLOOR
AN BERNARDINO, CA 92415-0184
TEL: 951-855-0400

project information

PROJECT NO:	2300044.RA
DWG FILE:	A-101.DWG
DRAWN BY:	P.K.
CHECKED BY:	GWM
DRAWING SCALE:	1/4" = 1'-0"
DATE:	2/8/2024

sheet name

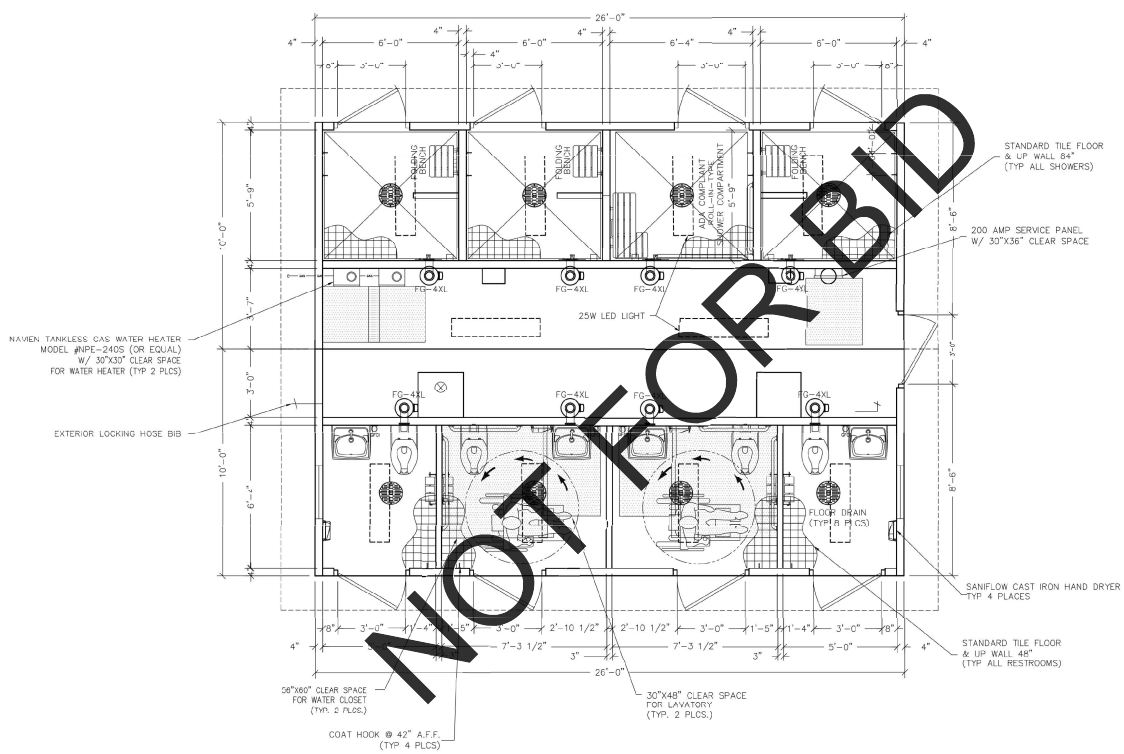
FLOOR PLAN

sheet number

A-101

SHEET OF SHEETS

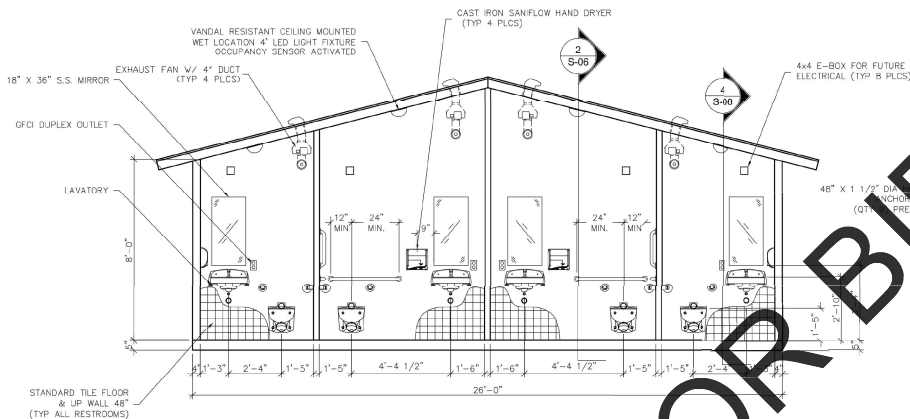
MARINE PACKAGE
SHOWER SECTION



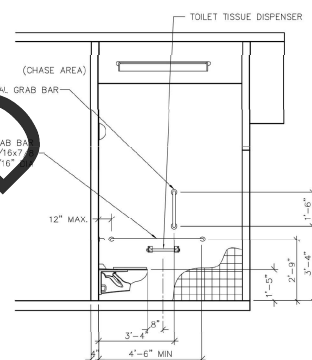
LB Foster	
CXT® Products	
6707 E. Hennings Ave. Bldg 300, Reno, NV 89507	
901 N. Highway 77, Midland, TX 79665	
362 Wootery Road, Wilkes-Barre, PA 18707	
PROJECT NO.	
SANTAGO	
BUILDING NUMBER S-404	
NOTES	
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CXT Incorporated	
BY DATE	
SCALE	DATE
1"=1'-0"	1-28-22
DRAWN	DATE
WAT BRASS	1-28-22
CHECKED	DATE
WAT	1-28-22
FLOOR PLAN	
DWG NO.	SHEET
S-03	34
REV.	0

FOR REFERENCE ONLY

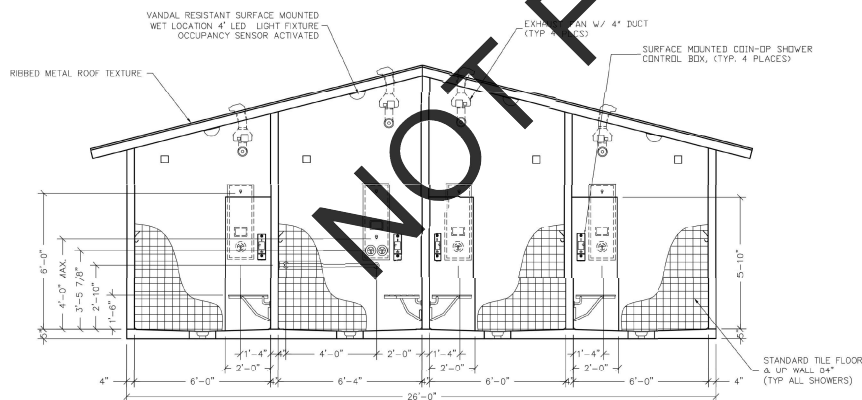
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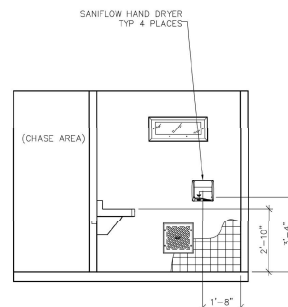
1 INTERIOR ELEVATION - MIDDLE (CHASE) WALL



2 INTERIOR ELEVATION - ADA STALL SIDE WALL



3 INTERIOR ELEVATION - SHOWER BACK WALL



4 INTERIOR ELEVATION - SIDE WALL

LB Foster
CXT® Products

6707 E. Ramapo Ave. Bldg 300, Norps, IL 63067
301 N. Highway 77, Houston, TX 77065
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Product from
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[illegible]

APN: 0337-202-07

SAN BERNARDINO COUNTY
2001 AGUA MANISA ROAD
COLTON, CA 92324

TITLE SHEET
GRADING PLAN
DETAILS
EROSION CONTROL PLAN

CONSTRUCTION MAY VARY
OUT TO 600 YARDS

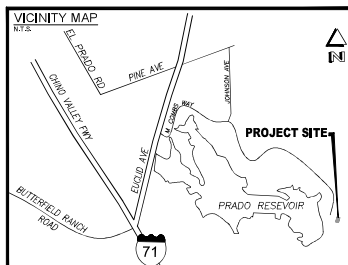
EARTH WORK QUANTITIES NOTE: THE ABOVE LISTED QUANTITIES REFLECT THE ENGINEER'S ESTIMATE OF THE ACTUAL VOLUMES OF MATERIAL CUT AND FILLED. THESE QUANTITIES ARE FOR ESTIMATING AND BIDDING PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COMPUTING HIS OWN QUANTITIES FOR CONTRACT PURPOSES.

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING, AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENTS CAN BE MADE IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES AND FOR ANY PRECAUTIONARY MEASURES TO PREVENT DAMAGE TO ANY UTILITY LINES SHOWN, AND ANY OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS.

CONTRACTOR CONSTRUCTION AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE REQUIRED TO ASSUME SUCH AND COME TO THE KNOWLEDGE OF THE CONTRACTOR FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS ASSUMPTION SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO THE INFORMATION PROVIDED HEREON; THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REASONABLE AND HOLD DEGREE PROFESSIONAL, HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE NEGLIGENCE OF THE CONTRACTOR.

ASPH	ASPHALT ON CONCRETE SURFACE				PROPOSED FULLER GRADED ASPHALT
BSM	BOTTOM OF BENCH				PROPOSED CRACK SEAL & SURF
CLASH	CATCH BASIN				
C&G	CURB AND GUTTER				
CEN	CENTER LINE				PROPOSED ASPHALT
DOE	DOUBLE EXTERIOR CHECK				
GR	GRADIENT				
EV	EXISTING				RIGHT OF WAY
FF	FINISH FLOOR				PROPERTY LINE
FG	FINISH GRADE				
FL	FINISH				CENTERLINE
FS	FINISH SURFACE				
GR	GRADE BREAK				EXISTING BOLD OR STONE WALL
GW	GWY				GRADELINE
INVT	INVERT OF PIPE				
MAN	MANHOLE				FLANKLINE
N/A	NOT TO SCALE				GRADE BREAK
PP	POWER POLE				
ST	STREET				FL. SLOPE
TOP	TOP OF CURB				
TOP	TOP OF FOOTING				INDICATES DIRECTION OF FLOW
TOP	TOP OF WALL				CONTOUR ELEVATION (FEET)
TRM	TRUNK				
WATER	WATER				
WID	WIDENING				
WU	WATER METER				ADA PATH OF TRAVEL



6. EXPOSED SEGMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND SHALL NOT BE TRANSPORTED FROM THE SITE AS SOIL, FILL, SANDS, EARS, NATURAL DRAINAGE COURSES, OR OTHER FEATURES.
7. STRUCTURES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY FORCES OF WIND OR WATER.
8. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THE FEDERAL REGULATIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY. ALL PROPOSED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SOLIDS MUST BE SECURED BY IMMEDIATELY AND PROPERLY IN A PROPER MANNER SUCH THAT THEY WILL NOT BE MOVED DUE TO THE DRAINAGE SYSTEM.
9. EXCESS OR WASTED CONCRETE SHALL NOT BE MOUND IN THE PUBLIC WAY OR ANY OTHER DRAINAGE COURSE. EXCESS OR WASTED CONCRETE SHALL BE REMOVED FROM THE PROJECT SITE AND NOT BE DEPOSITED AS SOLID WASTE.
10. MUDS AND CONCRETES - RELATED SOLIDS MUST BE PROTECTED IN A COVERED AND SECURED MANNER TO BEHIND A FENCE AND SHALL NOT BE MOVED DUE TO THE DRAINAGE SYSTEM.
11. SEGMENTS AND OTHER POLLUTANTS SHALL NOT BE TRACED ON THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABLED TO A BARRIER SEGMENTS FROM WIND AND WATER. ALL WAYS AND DRIVEWAYS MUST BE PROTECTED FROM BEING MOVED DUE TO THE DRAINAGE SYSTEM.
12. ANY SOLIDS WITH DETAINED SOLIDS OR DRAINAGE OF ILLUSTRATION MUST BE STABILIZED SO AS TO NOT BE MOVED DUE TO THE DRAINAGE SYSTEM.

1. THE CIVIL ENGINEER RESPONSIBLE FOR PLAN PREPARATION SHALL SIGN THE FOLLOWING STATEMENT:

I CERTIFY THAT I WILL BE RESPONSIBLE FOR THIS GRADING IN ACCORDANCE WITH SECTION 7074(C) OF THE BUILDING CODE TO INCLUDE INCORPORATING ALL RECOMMENDATIONS OF THE SOILS ENGINEER, REPORT AND BE RESPONSIBLE FOR PROFESSIONAL INSPECTION AND APPROVAL OF THE GRADING. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO INSPECTION AND APPROVAL AS TO THE ESTABLISHMENTS OF LINE GRADE AND DRAINAGE OF DEVELOPMENT AREA. I WILL ALSO BE RESPONSIBLE FOR THE PREPARATION OF REVISED PLANS AND THE SUBMISSION OF "AS GRADED" GRADING PLANS UPON THE COMPLETION OF THE WORK."

SUPERVISING CIVIL ENGINEER R.C.E. DATE

2. THE SOILS ENGINEER SHALL SIGN THE FOLLOWING STATEMENT:

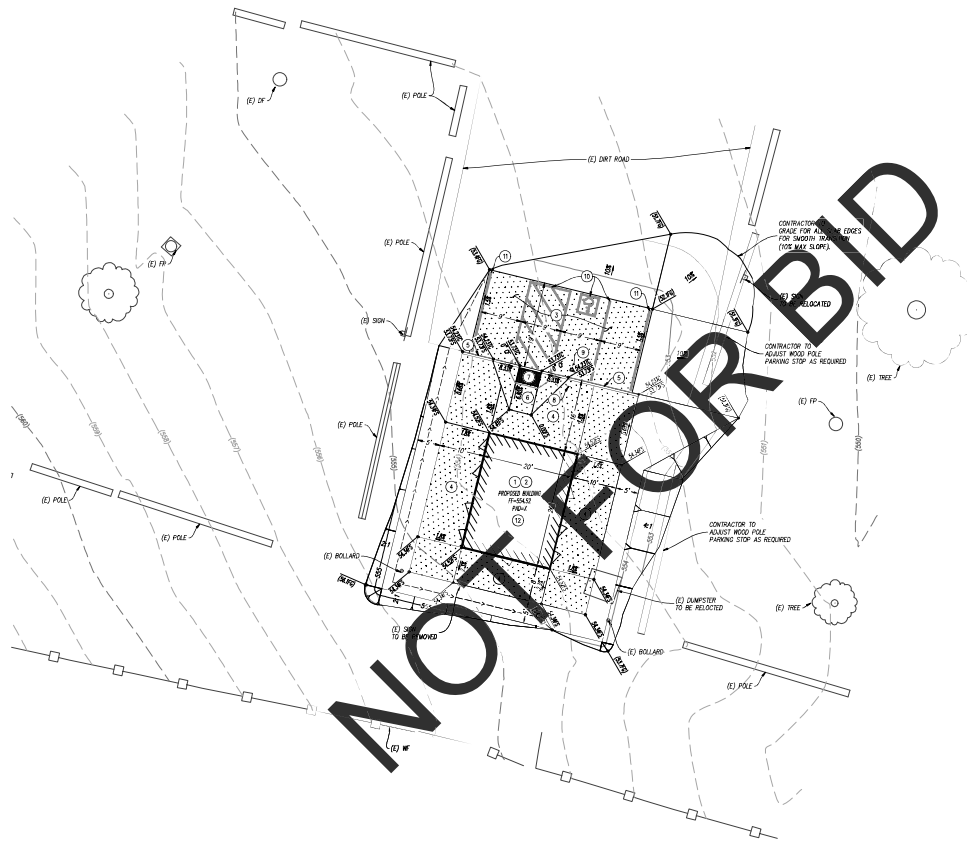
"I SHALL PROVIDE PROFESSIONAL INSPECTION AND APPROVAL CONCERNING THE PREPARATION OF GROUND TO RECEIVE FILLS, TESTING FOR REQUIRED COMPACTION STABILITY OF ALL FINISHED SLOPES AND INCORPORATING THE DATA SUPPLIED BY THE ENGINEERING GEOLOGIST AND THE PREPARATION OF THE SOILS GRADING REPORT."

SUPERVISING SOIL ENGINEER RCE DATE

3. NO GRADING IN EXCESS OF 5000 CU. YDS. SHALL BE STARTED WITHOUT FIRST NOTIFYING THE ENGINEER. A PRE-GRADING MEETING AT THE SITE IS REQUIRED BEFORE START OF GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, SUPERVISING CIVIL ENGINEER, SOILS ENGINEER AND /OR GEOLOGIST, CITY CONSTRUCTION INSPECTORS OR THEIR REPRESENTATIVES.

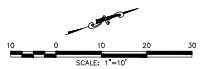
4. THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE CITY OF RIALTO WHEN THE GRADING OPERATION (EXCEEDING 5000 CU. YDS.) IS READY FOR REQUIRED INSPECTIONS AS SHOWN IN THE DESIGN AND INSPECTION REQUIREMENTS OF DIVISION 4.

UNIFORM ON THE REACTION AND PROJECTION REQUIREMENTS OF EXERCISE 3.



CONSTRUCTION NOTES:

1. INSTALL PRE-MANUFACTURED BUILDING PER MANUFACTURER'S RECOMMENDATIONS.
2. OVEREXCAVATE BEYOND THE PERIMETER OF PROPOSED STRUCTURES IN ACCORDANCE WITH THE SOILS REPORT RECOMMENDATIONS.
3. CONSTRUCT 4" THICK CONCRETE (240-0-3250) OVER 18" OF SUE COMPACTED NATIVE PER ASTM D 1557.
4. CONSTRUCT 4" THICK CONCRETE SIDEWALK (240-0-3250, MEDIUM BRUSH FINISH) OVER 12" OF SUE COMPACTED NATIVE PER ASTM D 1557.
5. CONSTRUCT 4" CURB ONLY PER SPWING 121-3, SEE SHEET 3.
6. CONSTRUCT HANDICAP RAMP PER CALTRANS DETAIL ABRA, SEE SHEET 3.
7. INSTALL DETECTABLE WARNING PER CALTRANS DETAIL ABRA, SEE SHEET 3.
8. INSTALL ADA PARKING SIGN PER CALTRANS STD. AREA, SEE SHEET 3.
9. INSTALL WHEEL STOP PER CALTRANS STD. AREA, SEE SHEET 3.
10. INSTALL HANDICAP PARKING STRIPING/SYMBOL PER CALTRANS STD. AREA, SEE SHEET 4.
11. INSTALL 4" WHITE STRIPE PER PLAN.
12. REPAIR ALL DAMAGED IRRIGATION AND LANDSCAPING/GRASS WITHIN WORK AREA.



BENCHMARK:
SEE ABOVE

PREPARED BY
BONADIMAN
CITY ENGINEER
DATE: 02-07-24

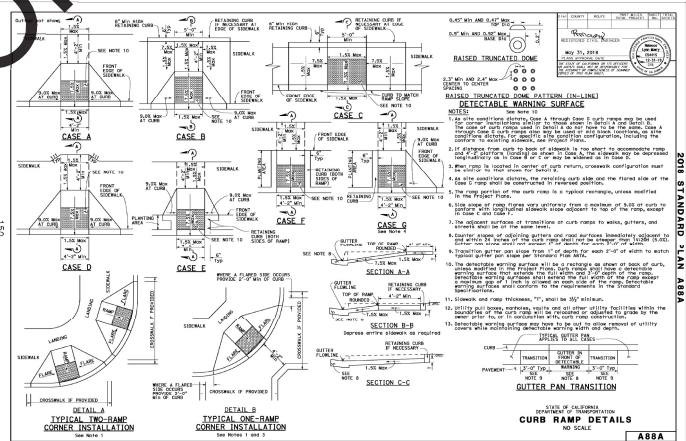
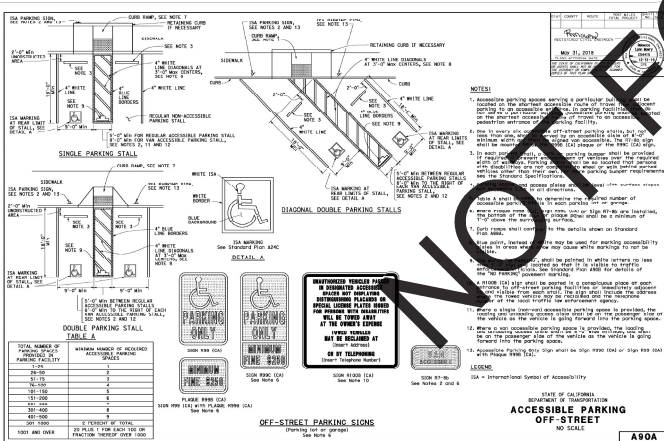
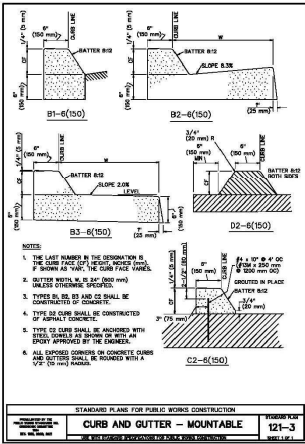


DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY: JTS	DRAWN BY: JTS	CHECKED BY: JTS		

SAN BERNARDINO COUNTY
DEPARTMENT OF LAND USE SERVICES

GRADING PLAN
PRADO NATIONAL PARK

ROAD NO.
FILE NO.
SHEET 2 OF 4



Underground Service Alert Call: TOLL FREE 1-800-227-2600	BENCHMARK: SEE ABOVE	FORWARDED BY: 	SEAL: 	SAN BERNARDINO COUNTY DEPARTMENT OF LAND USE SERVICES	GRADING PLAN	ROAD NO.	
	SCALE: NONE DATE: 02-07-24	DATE: BY: MARK DESIGNED BY: JTS	REVISIONS: DRAWN BY: JTS	APPR. DATE: CHECKED BY: JTS	DETAILS SHEET PRADO NATIONAL PARK	FILE NO.	SHEET 3 OF 4
	TWO WORKING DAYS BEFORE YOU DIG	DATE: 02-07-24	REVISIONS:	APPR. DATE:	DETAILS SHEET PRADO NATIONAL PARK	FILE NO.	SHEET 3 OF 4

TC1 - STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC2 - STABILIZED CONSTRUCTION ROADWAY
TC3 - ENTRANCE/OUTLET TIRE WASH

NW1 = MATERIAL DELIVERY AND STORAGE
 NW2 = MATERIAL USE
 NW3 = STOCKPILE MANAGEMENT
 NW4 = SPILL PREVENTION AND CONTROL
 NW5 = SOLID WASTE MANAGEMENT
 NW6 = HAZARDOUS WASTE MANAGEMENT
 NW7 = CONTAMINATION SOIL MANAGEMENT
 NW8 = CONCRETE WASTE MANAGEMENT
 NW9 = SANITARY/SEPTIC WASTE MANAGEMENT
 NW10 = LIQUID WASTE MANAGEMENT

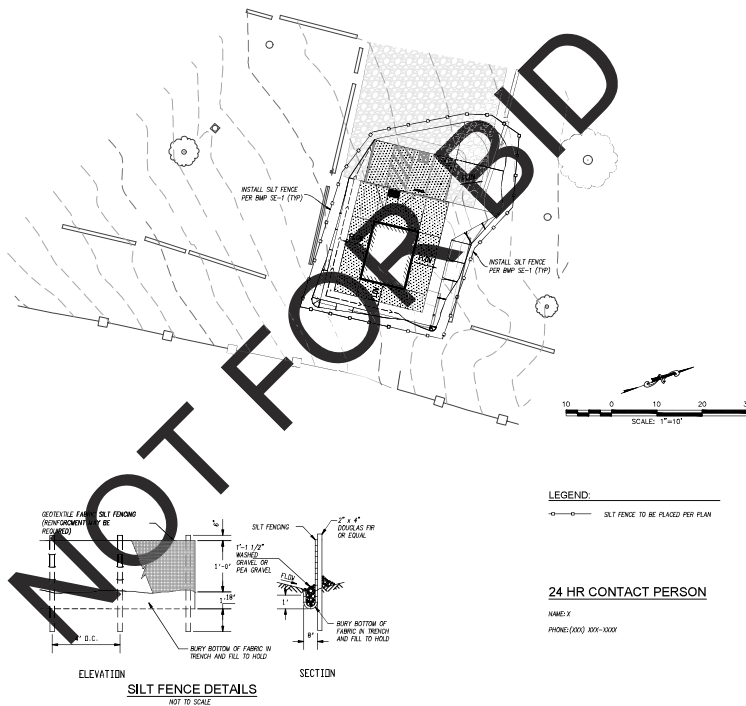
- NS1 - WATER CONSERVATION PRACTICES
- NS2 - DETERMINING OPERATIONS
- NS3 - PAVING AND GRINDING OPERATIONS
- NS4 - TEMPORARY STREAM CROSSING
- NS5 - CLOSURE WATER DIVERSION
- NS6 - ILLUOT CONNECTION/DISCHARGE
- NS7 - POTABLE WATER/IRRIGATION
- NS8 - VEHICLE AND EQUIPMENT CLEANING
- NS9 - VEHICLE AND EQUIPMENT FUELING
- NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
- NS11 - PILE DRIVING OPERATIONS
- NS12 - CONCRETE CURING
- NS13 - CONCRETE FINISHING
- NS14 - MATERIAL AND EQUIPMENT USE
- NS15 - DEMOLITION ADJACENT TO WATER
- NS16 - TEMPORARY PLANT PLANTS

- EC1 - SCHEDULING
- EC2 - PRESERVATION OF EXISTING VEGETATION
- EC3 - HYDRAULIC MULCH
- EC4 - HYDROSEEDING
- EC5 - SOIL BINDERS
- EC6 - STRAW MULCH
- EC7 - GEOTEXTILES & MATS
- EC8 - WOOD MULCHING
- EC9 - EARTH DIKES AND DRAINAGE SWALES
- EC10 - VELOCITY DISSIPATION DEVICES
- EC11 - SLOPE DRAINS
- EC12 - STREAMBANK STABILIZATION
- EC13 - POLYACRYLAMIDE

- SE1 - SILT FENCE
- SE2 - SEDIMENT BASIN
- SE3 - SEDIMENT TRAP
- SE4 - CHECK DAM
- SE5 - FIBER ROLLS
- SE6 - GRAVEL BAG BERM
- SE7 - STREET SWEEPING & VACUUMING
- SE8 - GRAVELBAG BARRIER
- SE9 - STRAW BALE BARRIER
- SE10 - STORM DRAIN INLET PROTECTION

NE1 = WIND EROSION CONTROL

APN: 0337-202-07



1. IN CASE OF EMERGENCY, CALL OPERATOR AT (662) 395-8827.

2. POLLUTION AND EROSION PREVENTION MEASURES, ALSO KNOWN AS BEST MANAGEMENT PRACTICES (BMPs), MUST BE INSTALLED PRIOR TO DRAINING. THESE MEASURES, INCLUDING THE INSTALLATION OF EROSION CONTROL STRUCTURES ON PROPERTY SHALL BE DESIGNED TO PREVENT ANY EROSION CONTROL, FURTHER IS REQUIRED.

3. EROSION AND SEDIMENT AND OTHER POLLUTANTS MUST BE RETAINED DOWN-DRILL AND MAY NOT BE DISCHARGED, EITHER DIRECTLY OR INDIRECTLY, INTO ANY WATER BODY.

4. EROSION CONTROL STRUCTURES SHALL BE FUNCTIONING AT ALL TIMES. IN CASE OF FAILURE, RISK OF CONSTRUCTION OF EMERGENCY SERVICES SHALL BE IMPLEMENTED.

5. STABILIZATION OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM EROSION AND DISCHARGE PRIOR TO ANY EROSION OR WATER.

6. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. ALL TOXIC MATERIALS MUST BE PROTECTED FROM EROSION AND DISCHARGE PRIOR TO ANY EROSION OR WATER.

7. ALL TOXIC MATERIALS MUST BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED IMMEDIATELY AND REPORTED TO THE AGENCY. ALL TOXIC MATERIALS MUST BE KEPT FROM THE EROSION AND DISCHARGE OF A PROPER HAZARD. SPILLS MAY NOT BE REUSED INTO THE DRAINAGE SYSTEM.

8. EXCESS OF WASTE CONCRETE MUST BE CONTAINED DURING. PROFESSIONALS SHALL MAKE TO EXCESS WASTE CONCRETE TO BE REMOVED FROM THE PROJECT SITE.

9. DESIGNERS/CONTRACTORS ARE RESPONSIBLE TO EXAMINE ALL EROSION CONTROL DEVICES AND CONSTRUCTION MATERIALS TO BE USED TO PREVENT EROSION AND DISCHARGE. DESIGNERS/CONTRACTORS MUST BE ON GREATER PROTECTION OF PREVENT PROTECTION, AND AFTER CONSTRUCTION OF A CONSTRUCTION PROJECT, THE DESIGNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE DISTRICT.

10. INSURE AND CONSTRUCTION-RELATED LOSS MATERIALS MUST BE EXPEDITED TO A COVERED RESPONSIBILITY TO PREVENT CONSTRUCTION OF FARMER AND DISPERSED BY THE DISTRICT.

11. EROSION CONTROL MATERIALS MUST BE USED TO PREVENT EROSION AND DISCHARGE. THE CONSTRUCTION EROSION ROADWAYS MUST BE STABILIZED SO AS TO INVERT SEDIMENT FROM THE EROSION AND DISCHARGE OF A PROPER HAZARD. SPILLS MAY NOT BE REUSED INTO THE DRAINAGE SYSTEM AND MAY NOT BE MATCHED DOWN-DRILL OR OTHER MEANS.

12. ANY DEPOSITS WITH DISTURBED SOIL OR CONCRETE OF VARIATION MUST BE STABILIZED SO AS TO INVERT SEDIMENT FROM THE EROSION AND DISCHARGE OF A PROPER HAZARD. SPILLS MAY NOT BE REUSED INTO THE DRAINAGE SYSTEM AND MAY NOT BE MATCHED DOWN-DRILL OR OTHER MEANS.

13. ALL DIRT AND SEDIMENT SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH DEVICES MUST BE DISPOSED.

14. ALL STORM WATER CONTROL DEVICES SHALL BE PROTECTED AT ALL TIMES.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A "QUALIFIED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PRACTITIONER" (GSP) FOR ALL RECORDS, INSPECTIONS AND DOCUMENTATION REQUIRED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN.
2. THE "QUALIFIED SWPPP PRACTITIONER" (GSP) SHALL UPDATE THE SWPPP AND EROSION CONTROL PLAN PER FIELD CONDITION AS OUTLINE IN TABLE 1.1 OF THE SWPPP.
3. THE GSP SHALL DOCUMENT ALL CHANGES TO THE SWPPP AND EROSION CONTROL PLAN FOR THE DURATION OF THE PROJECT.
4. THE GSP SHALL KEEP ALL RECORD, INSPECTION REPORTS, ETC. AND PROVIDED COPIES AS PART OF THE ANNUAL REPORT.

Underground Service Alert

 Call: TOLL FREE
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK:
SEE ABOVE

PREPARED BY:

BONADIMAN | TEL. 0855-400-0000
 RUMAH POKOK KAWASAN
 KAWASAN
 SCALE: NONE
 DATE: 02-07-24

[illegible]

SAN BERNARDINO COUNTY
DEPARTMENT OF LAND USE SERVICES

	GRADING PLAN	ROAD NO.
	EROSION CONTROL PLAN PRADO NATIONAL PARK	FILE NO.
		SHEET 4 OF 4

1. THE CONTRACTOR SHALL SECURE ALL PERMITS NECESSARY FOR ERECTION AND COMPLETION OF ELECTRICAL WORK.
2. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
3. THIS CONTRACTOR SHALL PROVIDE PIPING TO ALLOW MAKE CONNECTION TO ALL MOTORS AND EQUIPMENT. ALL ELECTRICAL CONNECTIONS ARE BASED ON THE MECHANICAL AND ELECTRICAL SCHEDULES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MECHANICAL AND PLUMBING DRAUGHTS OF THE BUILDING AND EQUIPMENT TO BE INSTALLED.
4. SEE SINGLE LINE DIAGRAM FOR CONDUCTOR AND CONDUIT RUNS, PANELS, ELECTRICAL EQUIPMENT ETC. MOTORS TO BE PROVIDED WILL NOT BE SHOWN ON PLANS BUT ARE A PART OF THE MECHANICAL SCHEDULE.
5. EXACT LOCATION FOR ALL PANELS W/OUT DEVICES SHALL BE AS INDICATED ON THE ARCHITECTURAL ELEVATIONS.
6. ALL NEW CHANGES NOTED, INCLUDING HANGERS INDICATED ON ELECTRICAL, OUTLETS ARE FROM FINISHED FLOOR TO CENTER OF OUTLETS.
7. A LEAK-PROOFED EQUIPMENT SHALL BE LEAK-PROOFED AND PROVIDED IN A LEAK-PROOFED ENCLOSURE.
8. PROVIDE THE OWNER AND HIS ENGINEER WITH ONE SET OF ELECTRICAL "AS-BUILT'S" AT THE COMPLETION OF THE JOB.
9. NO CONDUIT SHALL BE RUN HORIZONTALLY IN CONCRETE FLOOR SLABS.
10. ALL NEW WIRING / CONNECTIONS SHALL BE COPPER.
11. ALL PANEL CONNECTIONS TO OWNER-OWNED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR.
12. EQUIPMENT ANCHORAGE

4. ALL ELECTRICAL EQUIPMENT THAT IS HARMED OR DESTROYED SHALL BE REMOVED COMPLETELY, INCLUDING CONDUIT AND WIRING BACK TO THE POINT OF INTERSECTION WITH THE EXISTING SYSTEM.
5. WHERE EXISTING EQUIPMENT IS REMOVED OR REPAIRED BY EQUIPMENT BEING PROVIDED BY THE CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION, USE, ETC. AS REQUIRED TO MAINTAIN THE SUBJECT EQUIPMENT IN OPERATION.
6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OTHER SUBMITTERS IN ADVANCE OF CONSTRUCTION, EQUIPMENT THAT IS TO BE TURNED OVER TO THE OWNER FOR PROTECTION AND MAINTENANCE OF THE REMAINING SYSTEM.
7. ALL EXISTING CONDUITS MUSTIN PROJECT AREA WHETHER SHOWN ON PLAN OR NOT, SHALL BE A PART OF THIS CONTRACT.
8. ELECTRICAL AND COMMUNICATIONS CONTRACTORS TO MAINTAIN COORDINATION OF ALL ELECTRICAL AND COMMUNICATIONS SYSTEMS, EQUIPMENT, ETC. REMAINING IN OPERATION, INCLUDING THE PROTECTION, USE, ETC. AS REQUIRED TO MAINTAIN THE SUBJECT SERVICES IN OPERATION.
9. EXISTING CIRCUITS THAT ARE REMOVED AND NOT RE-USED SHALL BE IDENTIFIED ON ALL DRAWINGS.
10. ALL CIRCUITS SERVING OUTLETTES/TO BE REMOVED AS PART OF THE SCOPE OF WORK SHALL BE TRACED BACK TO THE SERVING PANEL PRIOR TO DISCONNECTING IN THE PANEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ARCHITECT/ENGINEERS AND OBTAIN DIRECTION PRIOR TO PROCEEDING WITH THE WORK.

[illegible]

⊖	DETAIL REFERENCE	MCB	MAIN CIRCUIT BREAKER
I	KEYNOTE REFERENCE	FLA	FULL LOAD AMPS
A.F.F.	ABOVE FINISH FLOOR	C.	CONDUIT
U.O.N.	UNLESS OTHERWISE NOTED	V.	VOLTS
C.O.	CONDUIT ONLY IN WALL ROPE	A	AMPS
WP	WEATHER PROOF	GFI	GROUND FAULT INTERRUPTER
CU.	COPPER	GND	GROUND
M.L.O.	MAIN LUGS ONLY	V.L.	VERIFY LAYOUT
E or (E)	EXISTING TO REMAIN	A.C.	ABOVE COUNT
EM	EMERGENCY	N.L.	NIGHT LIGHT

ALL CALIFORNIA SHALL BE PERFORMED IN ACCORDANCE WITH ALL CALIFORNIA LAWS AND REGULATIONS, AND THE CALIFORNIA BUILDING CODES OF 1995 AND 2001, AND THE CALIFORNIA ELECTRICAL CODE (C.E.C.) TITLE 24, CHAPTER 4.

2002 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CHAPTER 4.

2002 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CHAPTER 4.

2002 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CHAPTER 4.

2002 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CHAPTER 4.

2002 CALIFORNIA PUMPING CODE (CPC), PART 9, TITLE 24, CHAPTER 4.

2002 CALIFORNIA ENERGY CODE, PART 6, TITLE 24, CHAPTER 4.

2002 CALIFORNIA FIRE CODE (CFC), PART 7, TITLE 24, CHAPTER 4.

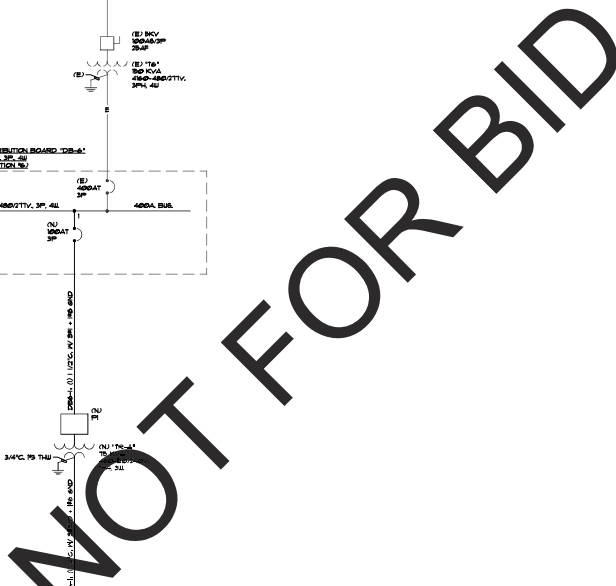
2002 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24, CHAPTER 4.

2002 CALIFORNIA GREEN BUILDING STANDARDS CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBC), PART 11, TITLE 24, CHAPTER 4.

2002 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CHAPTER 4.

TITLE 19 IS COR. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATION.





SINGLE LINE NOTES:

1. REFER TO GENERAL NOTES, DRAWING E-6001 FOR ADDITIONAL REQUIREMENTS.
2. CONTRACTOR TO PROVIDE UNDATED NAME PLATES TO IDENTIFY THE NEW CIRCUIT BREAKERS.
3. CONTRACTOR TO EXPAND NEW BUSBARS WITHIN EXISTING MAIN SUTCASEAR AND/OR ALL DISTRIBUTION BOARDS AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT BREAKERS.
4. CONTRACTOR TO PROVIDE ALL REQUIRED MOUNTING HARDWARE REQUIRED FOR FULLY OPERABLE CIRCUIT BREAKERS.



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owner approval

initials	date	phase
	22.05.2006	

revisions/addenda

mark	date	comment
8	2019-09-10	

	00/00/00	---
		
		
		
		

SAN BERNARDINO COUNTY PRADO TENT CAMP RESTROOM ADDITION

CHINO, CA 91708
ADJ: 10657-201-10-00

**SAN BERNARDINO COUNTY
PROJECT & FACILITIES MANAGEMENT DEPARTMENT**
1000 NORTH ARROWHEAD AVE. THIRD FLOOR
SAN BERNARDINO, CA 92415-0184
CONTACT: SARETTA REED PHONE: 909-552-0427

project information

PROJECT NO:	2300044.RA
DWG FILE:	
DRAWN BY:	MS
CHECKED BY:	RES
DRAWING SCALE:	AS NOTED
DATE:	2/12/2024

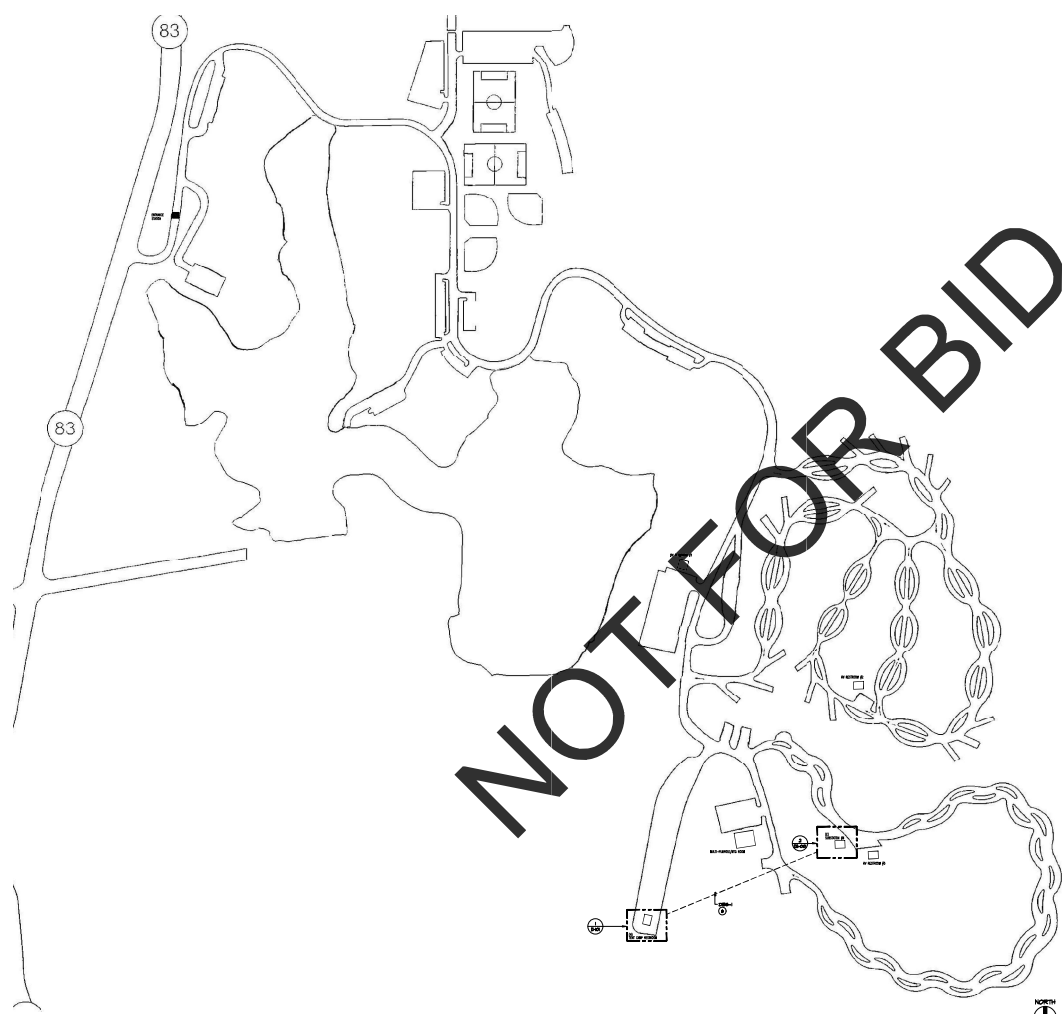
sheet name

SINGLE LINE DIAGRAM

sheet number

E-002

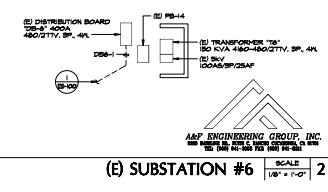
SHEET OF XX SHEETS



OVERALL SITE PLAN

PLAN NOTES

1. REFER TO GENERAL NOTES, SHEET E-001 FOR ADDITIONAL REQUIREMENTS.
2. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGNOSTIC. EXACT ROUTES OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD TO AVOID INTERFERENCE WITH OTHER UTILITIES AND TRACES. COORDINATION TO OCCUR WITH THE ARCHITECT PRIOR TO START OF WORK.
3. REFER TO THE SINGLE LINE DIAGRAM, SHEET E-002 FOR RESIDER CONDUIT SIZE AND CONDUCTOR SIZE AND QUANTITIES REQUIRED FOR ELECTRICAL EQUIPMENT INDICATED ON THE SINGLE LINE DIAGRAM.
4. CONDUIT AND WIRE INDICATED ON THE SINGLE LINE DIAGRAM, WHETHER SHOWN ON THIS DRAWING OR NOT, SHALL BE A PART OF THIS CONTRACT AND THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE REQUIRED ROUTING TO MEET THE INTENT OF THESE PLANS AND SPECIFICATIONS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN REQUIRED CLEARANCES BETWEEN UNDERGROUND ELECTRICAL CONDUITS AND FOOTING. CONDUIT PULLING SHALL NOT BE INSTALLED IN FOOTING. EXACT METHOD FOR BURNING-UP CONDUITS AT FOOTING LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH THE GENERAL CONTRACTOR AND THE ARCHITECT.
6. APPROXIMATE DISTANCE BETWEEN NEW RESTROOM BUILDING UNDERGROUND PULL BOX PI AND DISTRIBUTION BOARD "125'-6" IS 650 FEET.



(E) SUBSTATION #6

MILLER
architecture
interiors
planning

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owner approval

DATE	BY
12/20/2010	MS

revisions/addenda

DATE	BY	COMMENTS
12/20/2010	MS	

SAN BERNARDINO COUNTY PRADO TENT CAMP
RESTROOM ADDITION

SAN BERNARDINO COUNTY
PROJECT & FACILITIES MANAGEMENT DEPARTMENT
SAN BERNARDINO COUNTY FACILITIES
SAN BERNARDINO, CA 92415-1304
CONTACT: SARETTA REED PHONE: 909-385-5427

project information

PROJECT NO.	2300044-RA
DWG. FILE	
DRAWN BY:	MS
CHECKED BY:	RES
DRAWING SCALE:	NTS
DATE:	2/12/2024

sheet name

OVERALL
SITE PLAN

sheet number

ES-100

SHEET OF XX SHEETS

NOT FOR BID

PLAN NOTES

1. REFER TO GENERAL NOTES SHEET E-001 FOR ADDITIONAL REQUIREMENTS.
2. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGNOSTIC. EXACT ROUTES OF NEW CONDUIT AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD TO AVOID INTERFERENCE WITH OTHER UTILITIES AND TRACERS. COORDINATION TO OCCUR WITH THE ARCHITECT PRIOR TO START OF WORK.
3. REFER TO THE SINGLE LINE DIAGRAM SHEET E-002 FOR FEEDER CONDUIT SIZE AND CONDUCTOR SIZE AND QUANTITIES REQUIRED FOR ELECTRICAL EQUIPMENT INDICATED ON THE SINGLE LINE DIAGRAM.
4. CONDUIT AND WIRE INDICATED ON THE SINGLE LINE DIAGRAM, WHETHER SHOWN ON THIS DRAWING OR NOT, SHALL BE A PART OF THIS CONTRACT AND THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE REQUIRED ROUTING TO MEET THE INTENT OF THESE PLANS AND SPECIFICATIONS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN REQUIRED CLEARANCES BETWEEN UNDERGROUND ELECTRICAL CONDUITS AND FOOTING. CONDUIT PULL UPS SHALL NOT BE INSTALLED IN FOOTING. EXACT METHOD FOR BURYING UP CONDUITS AT FOOTING LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH THE GENERAL CONTRACTOR AND THE ARCHITECT.
6. FEEDER DBA-1 STUB UP. CONTRACTOR TO PROVIDE 8" DIAMETER BLOCKOUT FOR FEEDER DBA-1. CONTRACTOR TO COORDINATE WITH MODULAR MANUFACTURER DRAWINGS FOR EXACT STUB UP LOCATION AND FEEDER BLOCK OUT REQUIREMENTS PRIOR TO START OF WORK.

UNDERGROUND PULLBOX SCHEDULE				
ID.	SIZE	COVER	COVER ID.	NOTES
P1	2' x 3'	STEEL TRAFFIC COVER	POWER	1

SCHEDULE NOTES:
1. 2' x 3' UNDERGROUND PULLBOXES SHALL BE JOHNSON PRECAST CLEAR CONCRETE OR APPROVED EQUAL. PROVIDE WITH BOLT-DOWN TRAFFIC COVERS.



TENT RESTROOM BUILDING

SCALE
1/8" = 1'-0"

1



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owner approval

DATE: 01/10/2024

revisions/addenda

mark	date	comments
1	01/10/2024	1

SAN BERNARDINO COUNTY PRADO TENT CAMP
RESTROOM ADDITION
OWNER: CA 61703
APN: 152-021-10-000
SAN BERNARDINO COUNTY
PROJECT & FACILITIES MANAGEMENT DEPARTMENT
SAN BERNARDINO COUNTY PLANNING AND DESIGN
SAN BERNARDINO, CA 92415-1304
CONTACT: SARETTA REED PHONE: 909-656-5427

project information

PROJECT NO: 2300044-RA
DWG FILE:
DRAWN BY: MS
CHECKED BY: RES
DRAWING SCALE: AS NOTED
DATE: 2/12/2024

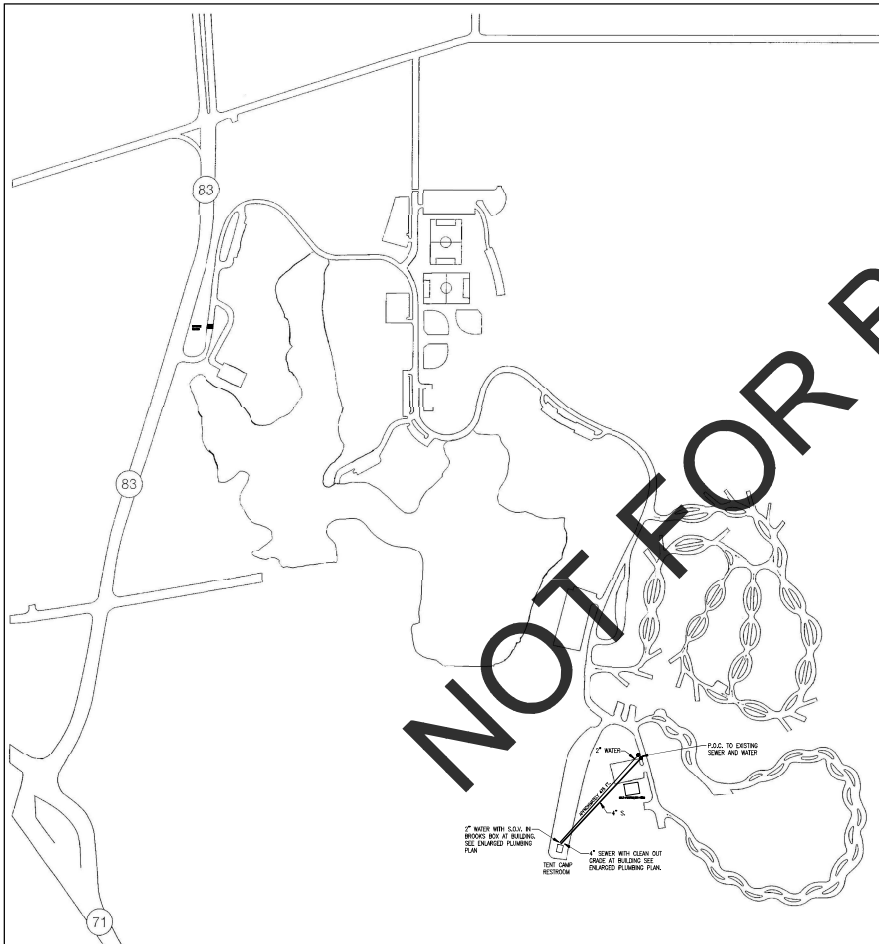
sheet name

TENT RESTROOM BUILDING

sheet number

E-101

SHEET OF XX SHEETS



SITE PLAN
N.T.S. FOR REFERENCE ONLY

GENERAL NOTES

1. All wall piping to be cast iron or ABS where local codes permit. Wall piping may be galvanized steel, cast iron, copper or ABS on local codes permit (verify). Soil and vent piping to slope a minimum of 1/4" per foot unless noted otherwise. All soil allowed in the rated construction. Waste flows above slab serving floor(s) above to be cast iron.
2. Domestic water piping to be schedule 40 PVC below ground, water and condensate piping above grade to be type 1" lead copper or schedule 40 copper fittings. Solar and flat roof waste to be cast iron. Solar and flat roof waste lead shall not be used in potable water systems per Sec. 314.1.3, 2022 CPC.
3. All materials and equipment shall be new and unused unless specified on plans. Contractor to use only qualified labor and supervision for the installation of materials and equipment.
4. All work shall conform with the 2022 CPC and all local codes. No work shall be covered until it has been inspected, tested and approved by inspector.
5. Contractor shall make utility connections and provide permits per contract. Any additional fees and permits will be at owner's cost.
6. Contractor shall verify size, depth, location and adequacy of all utilities including meter location and sewer line(s) prior to start of work.
7. Contractor shall install cleanouts where indicated on plans and as required by local codes and authorities. Clean out to grade shall be 1/2" brook line or steeper.
8. Coordinate work with all trades to avoid conflict and interferences.
9. Verify all rough-in heights and locations with general contractor and/or architect.
10. All pipes below ground shall be located away from bearing footings or as indicated on structural plans.
11. All pipes shall be installed with proper support and hangers as indicated on plans or as required by local codes. Where noted pressure testing is required, test all pipes with water or air at the specified pressure. Contractor shall verify that equipment and fixtures will physically fit in the locations indicated.
12. All penetrations of the rated assemblies shall be made with non-combustible material of an equal fire rating and shall be completely stopped. Refer to architectural plans to identify fire rated assemblies.
13. Contractor shall include (but not limited to) all piping, valves, fittings and fixture supports associated with each new fixture.
14. Each fixture shall have its own shut off valve(s). Valves to be located below or adjacent to the fixture it serves. General contractor to provide access panel when valves are within a wall or above the ceiling. All shut out heights and locations to be verified.
15. All gas piping to be schedule 40 black steel with threaded malleable fittings. First connection to each gas appliance shall be with an approved flexible connector and shut off valve. When the gas connection to the appliance is within the appliance cabinet the connection shall have a 1/2" threaded elbow, height as required, extending from the connection through the cabinet. Flexible connector shall not enter the cabinet.
16. All valves, unions, etc., shall be the same size as the piping unless otherwise specified. Unions shall be installed after each name tag valve and prior to equipment connections, install isolation unions at all connections between distributor valves.
17. All plumbing units shall terminate not less than ten feet away from or at least 3 feet above any window or door opening. Heat air intake not less than 1 foot from a ventable surface.
18. Insulate all exposed drain piping below footcandle and sinks with "Dimpletite".
19. Compressed air piping may be copper or galv. steel. Verify with general contractor or owner.
20. All pipes discharging to floor sinks shall have the minimum air gap as required by the 2022 CPC and local codes.
21. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
22. Contractor shall be responsible for the entire scope of work as outlined per the contract. Find building provisions and connections are to conform to the current codes.
23. Contractor shall provide owner with all required manuals for the proper maintenance and operation of equipment.
24. These plans are of schematic form and are drawn for maximum clarity. Changes may be necessary for convenience, obstructions, aesthetics and efficiency.



owner approval		
initials	date	phase
	8/10/24	--

revisions/addenda		
mark	date	comment
1	8/10/24	--
2		
3		
4		

SAN BERNARDINO COUNTY PRADO RV CAMP
RESTROOM REMODEL
1177 IDAHO STREET, SUITE 200
REDLANDS, CA 92374
APR. 10/24/2024-10-0000

SAN BERNARDINO COUNTY
PROJECT & FACILITIES MANAGEMENT DEPARTMENT
300 NORTH ARROWHEAD AVE. THIRD FLOOR
SAN BERNARDINO, CA 92410-1699
CONTACT: JESSIE TREES PHONE: 909-382-3427

project information
PROJECT NO: 12415
DWG FILE:
DRAWN BY:
CHECKED BY:
DRAWING SCALE:
DATE: 2-12-24

sheet name
TENT CAMP
SITE PLAN

sheet number
P-1



owner approval		
initials	date	phase
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revisions/addenda		
mark	date	comment
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SAN BERNARDINO COUNTY PRADO RV CAMP
RESTROOM REMODEL
66700 EUCLID AVENUE

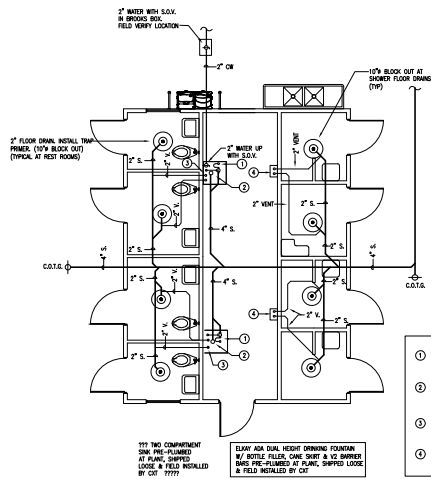
**SAN BERNARDINO COUNTY
PROJECT & FACILITIES MANAGEMENT DEPARTMENT**
85 NORTH ARROWHEAD AVE, THIRD FLOOR
SAN BERNARDINO, CA 92415-0164
CONTACT: SARETTA REED PHONE: 909-552-0427

project information	
PROJECT NO:	12415
DWG FILE:	
DRAWN BY:	
CHECKED BY:	
DRAWING SCALE:	
DATE:	2-12-24

sheet name
TENT CAMP
PLUMBING PLAN

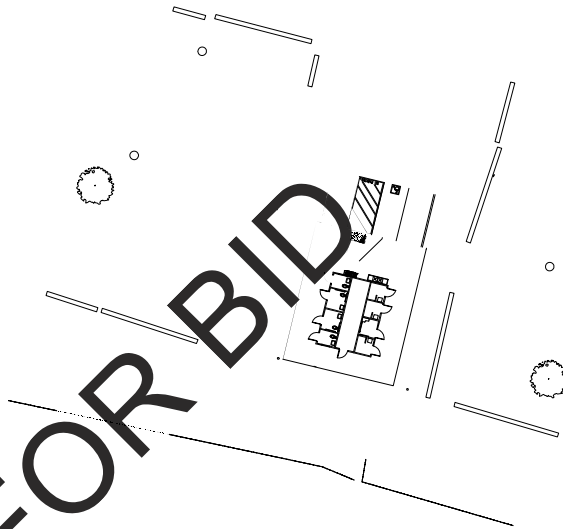
sheet number

P-2



PLUMBING PLAN

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



SITE PLAN
SCALE: 1/16" = 1'-0"

MECHANICAL DRAWING: FLOOR AND FOUNDATION ASSEMBLY.

NOTES:

- 1" FLOOR SPRAIN, INSTALL TRAP PRIMER. (24"x24" BLOCK OUT) (TYP)
- 4" WASTE RISER UP TO 1" ABOVE FINISHED FLOOR. PROVIDE TEST PLUG. (24"x24" BLOCK OUT)
- 2" VENT UP TO 1" ABOVE FINISHED FLOOR. (TYP) (24"x24" BLOCK OUT)
- 2" VENT UP TO 1" ABOVE FINISHED FLOOR. (TYP) (24"x24" BLOCK OUT)

FOUNDATIONS: 12 BARRIS, UNPIPED LOOSE.

SCALE: 1/16" = 1'-0"

NOT FOR BID