COMMUNITY PARK
PARK PLAYGROUND REBUILD

GOVERNING AGENCIES, ORGANIZATIONS, & UTILITIES

EL DORADO COUNTY PLANNING DEPT.
2850 FAIRLANE COURT, BUILDING "C"
PLACERVILLE, CA 95667
Voice (530) 621-5775
FAX (530) 622-1708
http://www.edcgov.us/Planning/

EL DORADO COUNTY BUILDING DEPT.
3368 LAKE TAHOE BLVD., #302
SOUTH LAKE TAHOE, CA 96150
PHONE: 530.573.3330
FAX: 530.542.9082
http://www.edcgov.us/Building/

TAHOE REGIONAL PLANNING AGENCY
128 MARKET STREET
P.O. BOX 5310
STATELINE, NV. 89449
PHONE: 775.588.4547
FAX: 775.588.4527
http://www.trpa.org/

MEEKS BAY FIRE PROTECTION DISTRICT
8041 EMERALD BAY ROAD
MEEKS BAY, CALIFORNIA
P.O. BOX 189
TAHOMA, CALIFORNIA 96142
PHONE (530) 525-7548
FAX (530) 525-4502

TAHOE TRUCKEE UNIFIED SCHOOL DISTRICT
11603 DONNER PASS ROAD
TRUCKEE, CA 96161
PHONE: 530.582.2546
FAX: 530.582.7606
http://www.ttusd.org

TAHOE CITY PUBLIC UTILITY DISTRICT
221 FAIRWAY DRIVE
TAHOE CITY, CA 96145
PHONE: 530.583.3796
FAX: 530.583.1475
http://www.tahoecitypud.com/

LIBERTY ENERGY
701 NATIONAL AVE.
P.O. BOX 107
TAHOE VISTA, CA 96148
PHONE: 800.782.2506
http://www.liberty-energy.com/pages/home.php

SOUTHWEST GAS CORPORATION
10682 PIONEER TRAIL
TRUCKEE, CA 96161-0218
PHONE: 877.860.6020
http://www.swgas.com/contactus/nnvcontacts.php

PROJECT CONTACT INFORMATION

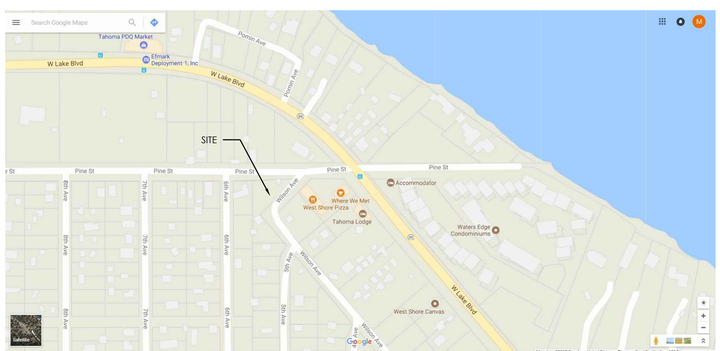
OWNER
MARIE SLUCHAK COMMUNITY PARK
TAHOE CEDARS PROPERTY OWNERS ASSOCIATION
c/o DON LAMBRECT
916.417.6768
donl@roofing.com

ENGINEER OF RECORD & DESIGNER
EVOLVE DESIGN WORKS
BRAD ALTMAN, P.E.
PO BOX 7586
TAHOE CITY, CA 96145
530.412.1328
brad@evolvedesignworks.com

ACCESSIBILITY CONSULTANT
ADA Compliance Consultants, Inc.
1002 River Rock Dr, Ste 121
Folsom, CA 95630
p.916.983.3816
f.916.357.7246

TAHOE CITY P.U.D. PARTNER
Kim Boyd
Senior Management Analyst
Tahoe City Public Utility District
530.580.6286 Direct
530.583.3796 Main Office ext. 386
www.tcpud.org

VICINITY MAP / PROJECT LOCATION



APPLICABLE CODES

2016 CALIFORNIA BUILDING CODE (2016 CBC)
2016 CALIFORNIA ELECTRICAL CODE (2016 CEC)
2016 CALIFORNIA MECHANICAL CODE (2016 CMC)
2016 CALIFORNIA PLUMBING CODE (2016 CPC)

PROJECT SCOPE

1. REPLACE EXISTING PLAYGROUND AREA.
2. NEW ACCESSIBLE PATHS OF TRAVEL WILL BE CONSTRUCTED OF COMPACTED DECOMPOSED GRANITE, CBC CH 11B COMPLIANT PAVERS, OR ASPHALT. THE DECISION IS PER THE H.O.A.
3. THE PARK CURRENTLY HAS NO OFF STREET PARKING AND NO OFF STREET PARKING IS PROPOSED AS PART OF THIS PROJECT.
4. NO BUILDINGS ARE PROPOSED AS PART OF THIS PROJECT.
5. NO MECHANICAL WORK IS PROPOSED AS PART OF THIS PROJECT.
7. NO PLUMBING IS PROPOSED AS PART OF THIS PROJECT.
8. NEW SITE RETAINING WALLS WILL BE BUILT WITH NEW STAIRS TO ACCESS PLAYGROUND.
9. ALL FINISHES ARE PER THE H.O.A.
10. PLAYGROUND EQUIPMENT IS BY OTHERS.
11. PLAYGROUND SURFACE IS BY OTHERS.

SHEET INDEX

evolve
DESIGN WORKS
california
washington
alaska
PO Box 7586
3090 N. Lake Blvd. Suite 5
Tahoe City, CA 96145
530.412.1328, 530.318.0001
www.evolvedesignworks.com

stamp

PRELIMINARY NOT FOR CONSTRUCTION

project number			2016.041
drawn by	BA	checked by	BA

ISSUES & REVISIONS

no.	description	date
A	TCPUD REVIEW	2018.03.01
-	-	-

project location

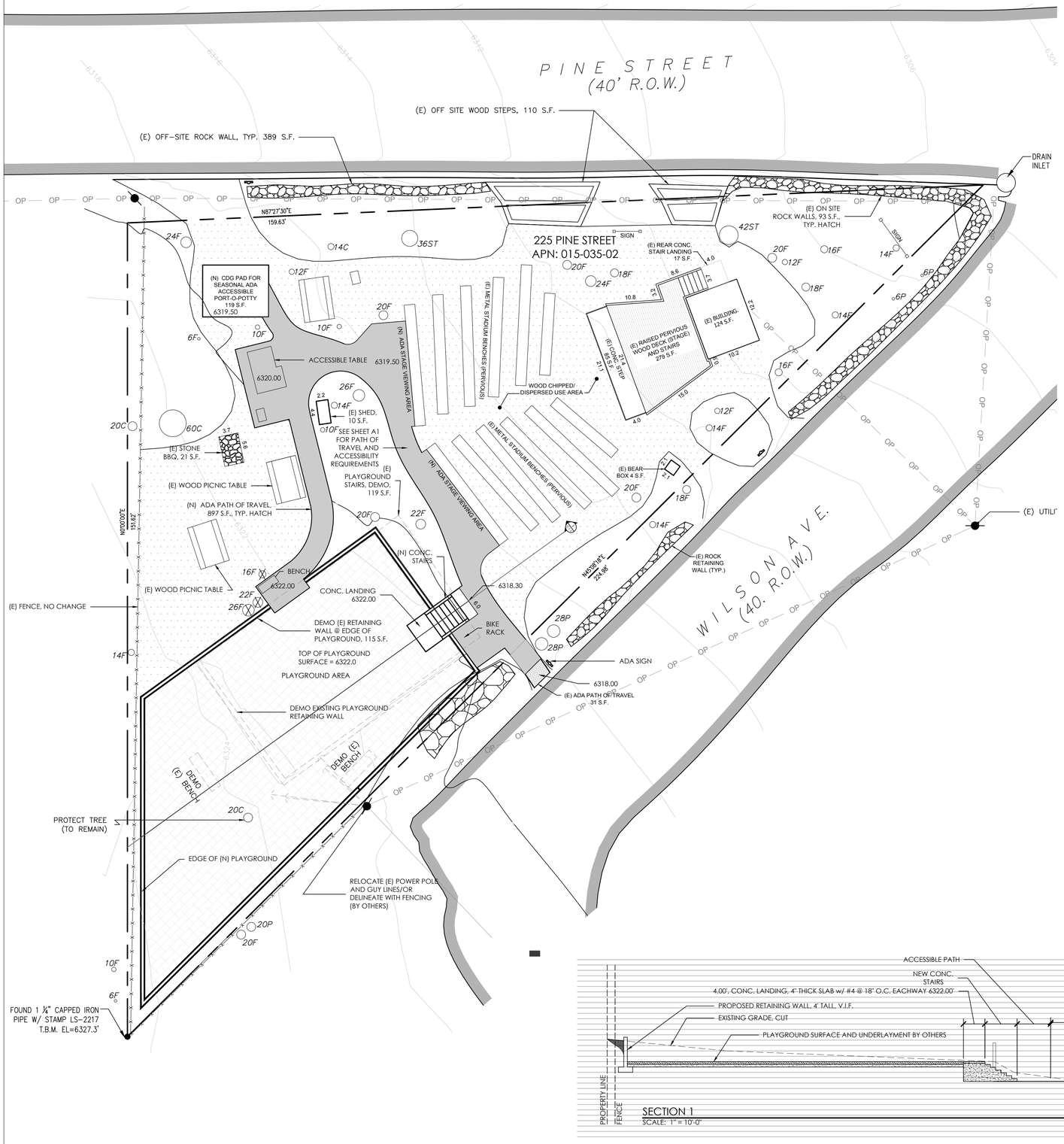
PARK PLAYGROUND REBUILD
MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA CALIFORNIA
EL DORADO COUNTY 015-035-02

description

Cover Sheet

sheet

0.0



SECTION 1
SCALE: 1" = 10'-0"

SITE PLAN

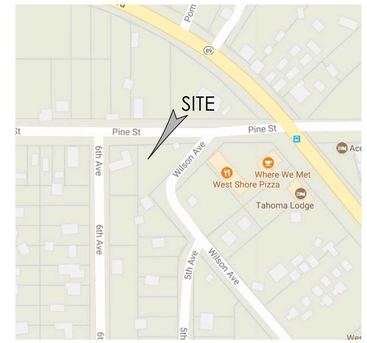
SCALE: 1":10'

SITE PLAN GENERAL NOTES:

1. THE INFORMATION CONTAINED IN THIS PLAN FROM WEBB LAND SURVEYING, INC.'S "TAHOE CEDARS HOA PROPERTY 225 PINE ST. TOPOGRAPHIC SURVEY", DATED JANUARY 22, 2015 AND ADA COMPLIANCE CONSULTANTS, INC.'S "SITE PLAN," DATED AUGUST 2, 2017. SEE RESPECTIVE PLANS FOR ALL ASSUMPTIONS, LIMITATIONS, AND DETAILS.
2. THE BOUNDARY SHOWN HEREON IS TAKEN FROM RECORD DATA. THERE HAS BEEN NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE OR ANY OTHER FACTS WHICH AN ACCURATE & CURRENT TITLE SEARCH MAY DISCLOSE.
3. NO INVESTIGATION CONCERNING THE LOCATION OF OR EXISTENCE OF UNDERGROUND UTILITY SERVICE LINES TO THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY.
4. ALL UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO ANY DESIGN OR CONSTRUCTION.
5. ALL ADA REQUIREMENTS FOR PATH OF TRAVEL AND GRADE ARE PER SHEET A1.
6. ALL PLAYGROUND EQUIPMENT IS BY OTHERS.
7. ALL PLAYGROUND SURFACES ARE BY OTHERS.
8. ALL CONCRETE WORK SHALL BE BOARD FORMED AND ANY STAIN COLOR IS PER H.O.A.

VICINITY MAP

N.T.S



LEGEND:

PROPERTY LINE
FENCE
TREE
WOOD CHIPPED/DISPERSED USE AREA

ABBREVIATIONS:

ADA	AMERICANS WITH DISABILITIES ACT
CONC.	CONCRETE
(E)	EXISTING
(N)	NEW
SF	SQUARE FOOT

ALLOWABLE COVERAGE

TOTAL LOT AREA	12,089 S.F.
TOTAL ALLOWABLE COVERAGE: LAND CLASS 5 @ 25%	3,022 S.F.

EXISTING COVERAGE

BUILDING	124 S.F.
RAISED WOOD DECK (STAGE) & STAIRS	279 S.F.
CONCRETE REAR STAIR LANDING @ STAGE	17 S.F.
CONCRETE STEP TO RAISED WOOD DECK (STAGE)	85 S.F.
SHED	10 S.F.
PLAYGROUND STAIRS	119 S.F
PLAYGROUND RETAINING WALL	115 S.F.
ROCK WALLS	93 S.F.
STONE BBQ	21 S.F.
WOOD STEPS AT PINE STREET	110 S.F.
BEAR BOX	4 S.F.
TOTAL CLASS 5 COVERAGE	***977 S.F.***

EXISTING OFF-SITE COVERAGE

STONE WALL	389 S.F.
PARK ENTRY WOOD STEPS	110 S.F.

PROPOSED COVERAGE

BUILDING	124 S.F.
RAISED WOOD DECK (STAGE) & STAIRS	279 S.F.
CONCRETE STAIR LANDING LANDING @ STAGE	17 S.F.
CONCRETE STEP TO RAISED WOOD DECK (STAGE)	85 S.F.
SHED	10 S.F.
NEW PLAYGROUND STAIRS	60 S.F.
PLAYGROUND RETAINING WALL	155 S.F.
ROCK WALLS	93 S.F.
STONE BBQ	21 S.F.
WOOD STEPS AT PINE STREET	110 S.F.
BEAR BOX	4 S.F.
TOTAL CLASS 5 COVERAGE	***958 S.F.***

PROPOSED ADA IMPROVEMENTS (EXEMPT)

NEW ADA PATH OF TRAVEL	897 S.F.
NEW PAD FOR ADA ACCESSIBLE PORT-O-POTTY	119 S.F.
TOTAL EXEMPT COVERAGE	***1,016 S.F.***

OFF-SITE COVERAGE

STONE WALL	389 S.F.
PARK ENTRY WOOD STEPS	110 S.F.
ADA PATH OF TRAVEL	31 S.F.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

REF. NORTH

evolve DESIGN WORKS
california
washington
alaska
PO Box 7586
3090 N. Lake Blvd. Suite 5
Tahoe City, CA 96145
530.412.1328, 530.318.0001
www.evolvedesignworks.com

stamp

PRELIMINARY NOT FOR CONSTRUCTION

project number			2016.041
drawn by	BA	checked by	BA

ISSUES & REVISIONS

no.	description	date
1	TCPUD REVIEW	2018.03.01

project location

PARK PLAYGROUND REBUILD
MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA CALIFORNIA
EL DORADO COUNTY 015-035-02

description

Proposed Site Plan

sheet

C1.1

GENERAL NOTES

1. ALL WORK, MATERIALS AND INSTALLATIONS SHALL BE IMPLEMENTED IN STRICT ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL JURISDICTIONAL BUILDING CODES INCLUDING THE MOST RECENT REVISIONS, AMENDMENTS AND INTERPRETATIONS.

2. ALL INFORMATION SHOWN ON PLANS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL CONTRACT DOCUMENTS, VERIFYING ONSITE CONDITIONS FOR ACCURACY AND CONFIRMING THAT THE WORK IS BUILDABLE AS SHOWN PRIOR TO CONSTRUCTION.

3. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROPERTY OWNER AND ADACC, INC. OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THOSE SHOWN ON PLANS PRIOR TO CONSTRUCTION TO OBTAIN CLARIFICATION AND PLAN REVISIONS AS NEEDED.

4. THE CONTRACTOR SHALL USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE DRAWINGS. DIMENSIONS DESIGNATED AS "CLEAR" MUST BE MAINTAINED.

5. ALL PLANS TO BE SUBMITTED FOR PERMIT APPROVAL MUST BE 24" □36" IN SIZE.6. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WORK WITH THE PROPERTY OWNER OR MANAGER TO AVOID INCONVENIENCES TO ADJACENT BUILDING / TENANT AREAS AND POTENTIAL DISRUPTION OF SERVICES.7. ALL DIMENSIONS AND GRADES SHOWN ON PLANS TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

6. CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL APPROVED PLANS AND RELATED DOCUMENTS.

7. THE LOCATION OF UNDERGROUND UTILITIES IS UNKNOWN. IT SHALL BE THE CONTRACTORS FULL RESPONSIBILITY TO CONTACT 811 - KNOW WHAT'S BELOW AT PHONE #811 TO LOCATE UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO REPLACE AND/OR REPAIR ANY UNDERGROUND FACILITIES DAMAGED BY THE CONTRACTOR.

8. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROVIDING PEDESTRIAN AND MOTORIST PROTECTION DURING CONSTRUCTION TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL JURISDICTIONAL CODES.

9. CONTRACTOR TO PROVIDE BEST MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF CONCRETE SEDIMENT TO DRAINAGE SYSTEM. CONTRACTOR TO ENSURE THAT ALL CONCRETE SEDIMENT IS REMOVED FROM PAVEMENT ON THE SAME DAY THAT ANY WORK IS PERFORMED.

10. ALL CONCRETE WORK TO MATCH EXISTING FINISH, UNLESS OTHERWISE SPECIFIED.

11. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL PROPOSED PARKING STALL DIMENSIONS WITH LOCAL JURISDICTIONAL AUTHORITY PRIOR TO INSTALLATION. CONTRACTOR SHALL RESTRIPE ALL PROPOSED PARKING STALL LINES TO MATCH EXISTING TYPE (E.G. SINGLE OR DOUBLE STALL LINES) IN ACCORDANCE WITH LOCAL JURISDICTION.

12. CONTRACTOR IS RESPONSIBLE TO MAINTAIN POSITIVE DRAINAGE AND AVOID PONDING FOR ALL POST CONSTRUCTION LOCATIONS.

13. CONTRACTOR IS RESPONSIBLE TO REPAIR, REROUTE OR REPLACE ANY SPRINKLER OR CONTROL LINE EFFECTED BY PROPOSED CONSTRUCTION AND ENSURE EQUAL OR SUFFICIENT WATER COVERAGE AREA FOR ALL APPLICABLE LANDSCAPING.

14. ANY CONSTRUCTION SCOPING THAT IS DESIGNATED HEREIN AS "OPTIONAL" SHALL BE IMPLEMENTED AT THE SOLE DISCRETION OF THE PROPERTY OWNER. CONTRACTOR TO SUBMIT BID FOR CONSTRUCTION ACCORDINGLY.

WALKWAY CONSTRUCTION NOTES

ALL RECONSTRUCTED AND NEWLY INSTALLED ON-SITE WALKWAYS AND ACCESSIBLE PATHS OF TRAVEL SHALL COMPLY WITH THE FOLLOWING MINIMUM STANDARDS:

1. THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 48" MINIMUM.

2. WALKING SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.

3. ABRUPT CHANGES IN LEVEL ALONG ALL WALKING SURFACES AND THRESHOLDS SHALL NOT TO EXCEED 1/4" VERTICAL HEIGHT WITHOUT EDGE TREATMENT. LEVEL CHANGES BETWEEN 1/4" - 1/2" MUST BE BEVELED WITH A MAXIMUM GRADIENT OF 1:2.

4. ALL (E) DRAIN INLETS & GROUND UTILITY UNITS WITHIN THE LIMITS OF PROPOSED ACC. PATHWAY & WALKWAY CONSTRUCTION SHALL BE RESET FLUSH WITH WALKING SURFACE.

5. CONTRACTOR TO ENSURE 4" MAXIMUM VERTICAL DROPOFF ALONG ALL CONSTRUCTED WALKWAY SURFACES. REGRADE ADJACENT LANDSCAPE OR PROVIDE 6" MIN. HT. WARNING CURB ALONG WALKWAY EDGES AS NEEDED TO COMPLY.

6. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

7. ALL RECONSTRUCTED OR NEWLY INSTALLED TENANT DOOR LANDINGS SHALL COMPLY W/ DETAIL 11/A2.

8. ALL RECONSTRUCTED OR NEWLY INSTALLED STAIR LANDINGS SHALL CONFORM TO UNIFORM RISER HEIGHT OF STAIR SET IT SERVES.

SCOPE OF WORK

PROVIDE ACCESSIBILITY UPGRADES TO REMOVE THE ARCHITECTURAL BARRIERS FOR THE PURPOSE OF ALLOWING EQUAL ACCESS FOR PERSONS WITH DISABILITIES. PROPOSED CONSTRUCTION SHALL BE LIMITED TO THE SITE LOCATIONS IDENTIFIED ON SHEET A1.

CALIFORNIA CODE OF REGULATIONS

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE CONSTRUCTION OF THIS PROJECT IN ACCORDANCE WITH THE LATEST APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES INCLUDING THE FOLLOWING AND ALL AMENDMENTS THEREOF:

1. CALIFORNIA BUILDING CODE 2016
2. CALIFORNIA PLUMBING CODE 2016
3. CALIFORNIA ELECTRICAL CODE 2016
4. CALIFORNIA MECHANICAL CODE 2016
5. CALIFORNIA FIRE CODE 2016
6. CALIFORNIA ENERGY CODE 2016
7. ADA STANDARDS FOR ACCESSIBLE DESIGN 2010 WHEN MORE STRINGENT THAN STATE ACCESSIBILITY CODE

ABBREVIATIONS & SYMBOLS

&	And	FT or '	Feet / Foot
@	At	GR	Grade
℄	Centerline	HT	Height
AC	Asphalt Concrete	INT	Interior
ACC	Accessible	ISA	International Symbol of Accessibility
ACCOM	Accommodation	KN	Key Note
AFF	Above Finish Floor	LBS	Pounds
AFG	Above Finish Grade	LOC	Location
ALT	Alternate	LVL	Level
APPROX	Approximate	MAX	Maximum
ASL	Automatic Sliding	MIN	Minimum
ASPH	Asphalt	(N)	New
ATM	Automated Teller Machine	ND	Night Drop
AUTO	Automatic	NTS	Not to Scale
BLDG	Building	OC	On Center
C	Compact	OPT	Optional
CBC	California Building Code	PAR	Parallel
CLR	Clear	PERP	Perpendicular
CMU	Concrete Masonry Unit	PH	Phase
COMBO	Combination	PC	Post Construction
CONC	Concrete	R or RAD	Radius
CONST	Construction	RECP	Receptacle
CONTD	Continued	REF	Reference
CTR	Center	REQD	Required
DEMO	Demolish	RR	Remove & Reinstall
DET	Detail	RSTRM	Restroom
DF	Drinking Fountain	S	Standard Accessible Parking
DI	Drain Inlet	SL	Sliding
DIA or Ø	Diameter	SPEC(S)	Specification(s)
DIM	Dimension	STD	Standard
DN	Down	T	Trash
(E)	Existing	TOT	Total
EA	Each	TYP	Typical
EG	Egress	UTL	Utility
EMP	Employee	V	Van Accessible Parking
ENCL	Enclosure	VCE	Vertical Change in Elevation
ENT	Entrance	VERT	Vertical
EXT	Exterior	W/	With
EXTN(S)	Extension(s)	W/O	Without

DETAIL SYMBOL
1 / A1 — Detail Number / Sheet Number

ENLARGED AREA / DETAIL SYMBOL
Enlarged Area
1 / A1 — Detail Number / Sheet Number

KEY NOTE SYMBOL
1 — Detail Number

DIRECTIONAL KEY NOTE SYMBOL
1 — Detail Number
Directional Indicator

ACCESSIBLE PATH OF TRAVEL

PROPERTY LINE

(E) FENCE

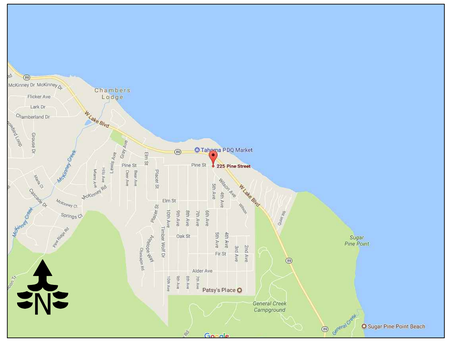
(E) TREE

1/4" MAX. VERT. CHANGE IN LEVEL

DRAWING INDEX

VICINITY AND LOCATION MAPS

N.T.S.



811
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ADA COMPLIANCE CONSULTANTS, INC.
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www.ada-pros.com

1002 RIVER ROCK DR. #121
FOLSOM, CA 95630
PHONE: (916) 983-3816
FAX: (916) 357-7246

CHRISTOPHER T. TAYLOR
ACCESSIBILITY INSPECTOR
CERTIFIED ACCESS SPECIALIST
ICC CERTIFIED #5242199-21
CASP CERTIFIED #240

PROJECT INFORMATION

ACCESSIBILITY UPGRADES

MARIE SLUCHAK
COMMUNITY PARK
225 PINE STREET
TAHOMA, CA 96142
APN: 015-035-02

PROJECT NOTES

No.	Revision / Issue	Date

SHEET TITLE

COVER PAGE

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[illegible]C[illegible]D[illegible]
[illegible] [illegible]d [illegible]

Job No.: PINEST225	Sheet No.
Date: 07/28/2017	
Scale: NOT TO SCALE	
Designed By: C.T.T.	
Drawn By: J.R.S.	
Approved By: _____ DATE	

ADA COMPLIANCE CONSULTANTS, INC.
We Know ADA.
www.ada-pros.com

1002 RIVER ROCK DR. #121
FOLSOM, CA 95630
PHONE: (916) 983-3816
FAX: (916) 357-7246

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PROJECT INFORMATION

ACCESSIBILITY UPGRADES

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA, CA 96142
APN: 015-035-02

PROJECT NOTES

CONSTRUCTION LEGEND

- AREA NOT TO EXCEED 2% SLOPE
- 30" x 48" CLEAR LVL. FLOOR SPACE
- ACCESSIBLE PATH OF TRAVEL
- PROPERTY LINE
- (E) FENCE
- (E) TREE

CONSTRUCTION KEY NOTES

1. REMOVE (E) BIKE RACK - (N) BIKE RACK SHALL BE PROVIDED ON ACC. ROUTE AT LOCATION DETAIL 2/A3.
3. DEMO. (E) LANDSCAPE AS REQD. - INSTALL (N) 4' WIDE CONC. WALK NOT TO EXCEED 5% RUN OR 2% CROSS SLOPE - REF. ADJACENT LOC. DETAIL(S) FOR ADDITIONAL CONSTRUCTION SCOPING.
4. DEMO. (E) LANDSCAPE AS REQD. - INSTALL (N) 4' x 4' CONC. LVL. LANDING (SHADED) NOT TO EXCEED 2% SLOPE.
8. SEE 'PLAYGROUND CONST. NOTES' FOR PROPOSED PLAYGROUND ACCESSIBILITY UPGRADES.
9. INSTALL (N) 42" MIN. HT. FENCE OR GUARDRAIL ALONG PORTION OF PLAYGROUND SURFACE THAT IS LOCATED MORE THAN 30" VERTICALLY ABOVE THE GRADE BELOW - FENCING OR GUARDRAIL SHALL NOT HAVE ANY OPENINGS ALLOWING THE PASSAGE OF A 4" DIA. SPHERE.
10. INSTALL (N) POLE MOUNT 'ACCESSIBLE ROUTE' LEFT DIRECTIONAL PATH OF TRAVEL SIGN AT POSITION SHOWN - SEE 7C/A2.
11. INSTALL (N) POLE MOUNT LEFT DIRECTIONAL PATH OF TRAVEL SIGN AT POSITION SHOWN - SEE 7C/A2.

PLAYGROUND CONSTRUCTION NOTES:

CONTRACTOR TO ADDRESS THE FOLLOWING PLAYGROUND CONSTRUCTION UPGRADES LOCATED AT KEY NOTE #8 -

1. RR. ALL PLAYGROUND SURFACE MATERIAL OR INSTALL (N) SURFACE MATERIAL AS NEEDED TO PROVIDE A 60" MIN. WIDE ACCESSIBLE ROUTE CONNECTING ENTRY AND EXIT POINTS OF ALL GROUND LEVEL PLAY COMPONENTS.
2. ACCESSIBLE ROUTES SHALL NOT EXCEED 5% RUN OR 2% CROSS SLOPE AND SHALL CONNECT TO BOTH PROPOSED CONC. LANDINGS LOCATED AT PLAYGROUND PERIMETER AT DETAILS 2/A3 & 7/A4.
3. GROUND SURFACES ON ACCESSIBLE ROUTES, CLEAR FLOOR OR GROUND SPACES, AND TURNING SPACES SHALL BE STABLE, FIRM & SLIP-RESISTANT; COMPLYING WITH ASTM F 1951 STANDARDS. GROUND SURFACES SHALL BE INSPECTED AND MAINTAINED REGULARLY TO ENSURE CONTINUED COMPLIANCE WITH ASTM F 1951.
4. A 30" x 48" CLEAR LEVEL FLOOR SPACE SHALL BE PROVIDED AT ENTRY AND EXIT POINTS OF ALL GROUND LEVEL PLAY COMPONENTS, NOT TO EXCEED 2% SLOPE.
5. AT LEAST ONE LEVEL TURNING SPACE SHALL BE PROVIDED ON THE SAME LEVEL AS PLAY COMPONENTS. WHERE SWINGS ARE PROVIDED, THE LEVEL TURNING SPACE SHALL BE LOCATED IMMEDIATELY ADJACENT TO THE SWING. LEVEL TURNING SPACE SHALL NOT EXCEED 2% SLOPE.
6. VERTICAL CHANGE IN LEVEL ALONG ACCESSIBLE ROUTES SHALL NOT EXCEED 1/4". CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED AT 1:2 (50%) MAX. SLOPE.
7. VERTICAL CLEARANCE ALONG ACCESSIBLE ROUTES SERVING GROUND LEVEL PLAY COMPONENTS SHALL BE 80" MINIMUM HEIGHT.
8. CONTRACTOR SHALL REGRADE SURFACE MATERIAL ADJACENT TO ACCESSIBLE ROUTE WHERE NEEDED TO MAINTAIN 4" MAXIMUM VERTICAL DROPOFF ALONG THE ACCESSIBLE ROUTE.

CONSTRUCTION NOTE: ALL RECONSTRUCTED AND NEWLY INSTALLED ON-SITE WALKWAYS & ACC. PATHS OF TRAVEL SHALL COMPLY WITH 'WALKWAY CONSTRUCTION NOTES' ON SHEET A0.

NOTE: MARIE SLUCHAK COMMUNITY PARK IS SET WITHIN A RESIDENTIAL NEIGHBORHOOD. THE PUBLIC ST STREETS SURROUNDING THE SITE CURRENTLY LACK PUBLIC SIDEWALKS AND PUBLIC TRANSPORTATION STOPS. EXISTING PARKING IS LIMITED TO NON-ACCESSIBLE ON-STREET PARKING ONLY.

No.	Revision / Issue	Date

SHEET TITLE

SITE PLAN

Job No.: PINEST225	**Sheet No.** A1
Date: 07/28/2017	
Scale: 1/8" = 1'- 0"	
Designed By: C.T.T.	
Drawn By: J.R.S.	
Approved By: _____ DATE	

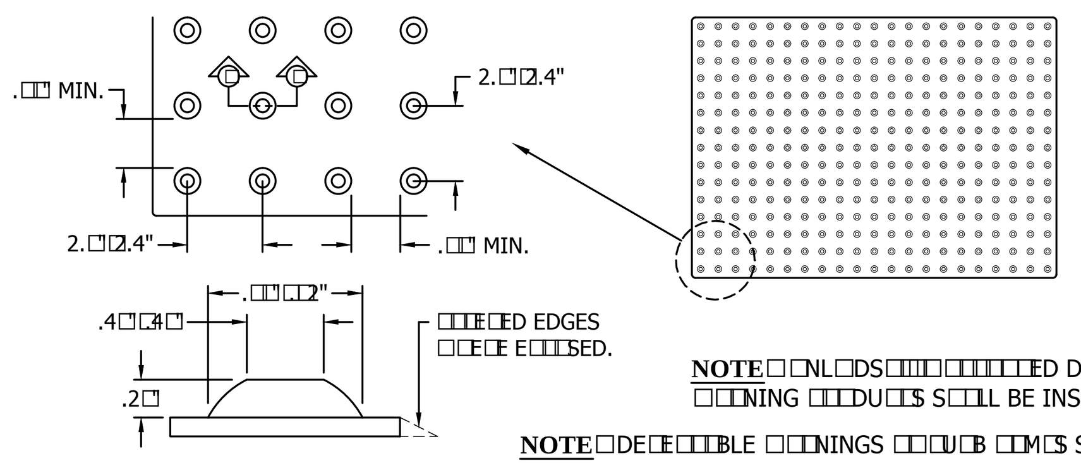
NOTE□ □LL □□UN□□□ED D□MES □□BE □E□SE□IN □□N□ □FLUS□ □I□□ □D□□INING SU□F□□ES□UNLESS □□□E□□ISE S□□□ED □N □L□NS. □B□U□□□□NGES IN LE□EL □□ □D□□□EN□SU□F□□ES S□□LL N□□E□□EED 1□4" □E□□I□□L □□ □I□□□U□EDGE □□E□□MEN□□LE□EL □□□NGES BE□□EEN 1□4" □1□2" MUS□BE BE□ELED □I□□ □M□□ G□□DIEN□□F 1□2.

NOTE□ □□UN□□□ED D□MES □N □DE□E□□□BLE □□□NING SU□F□□E S□□LL BE □□□□NGED IN □S□U□□E G□ID. □□EN INS□□LLED IN □□□DI□L □□□□E□N□□□UN□□□ED D□MES S□□LL □□□E □□EN□E□□□□□EN□E□S□□□□NG □F 1.□" □□2.4".

NOTE□DE□E□□□BLE □□□NINGS □□□□□□□D□US □E□I□UL□□□□E□S S□□LL BE □ELL□□ □ND □□□□□□IM□□E FS □□□□□□F FEDE□□L S□D. □□□□ DE□E□□□BLE □□□NINGS □□□□□E□L□□□□□NS S□□LL □□□□IDE □□□□ MIN. □ISU□L □□N□□□□S□□I□□ □D□□□EN□□□□L□ING SU□F□□ES. □□E M□□E□I□L USED □□ □□□□IDE □ISU□L □□N□□□□S□S□□LL BE □N IN□EG□□L □□□□□F □□E SU□F□□E.

NOTE□DE□E□□□BLE □□□NINGS SU□F□□ES S□□LL DIFFE□F□□M □D□□INING SU□F□□ES IN □ESILIEN□□□□ S□UND□IN□□NE □□N□□□□□□□□LL L□□□□I□NS E□□E□□□U□B □□M□□S□ISL□NDS □□ □U□□□□□UG□MEDI□NS.

NOTE□IF □□□L□□□□SSES □□□D□□INS □□E□I□UL□□□□□□□□ND □□E □□L□ING SU□F□□ES □□E N□□ SE□□□□□ED B□□U□BS□□□ILINGS □□□□□□E□ELEMEN□S BE□□EEN □□E □EDES□□I□N □□E□S □ND □E□I□UL□□ □□E□S□□□E B□UND□□□BE□□EEN □□E □□E□S S□□LL BE DEFINED B□□□□N□INU□US DE□E□□□BLE □□□NING □□M□L□ING □I□□SE□□I□NS 11B□□□□1.1 □ND 11B□□□□1.2.□



NOTE□□NL□DS□□□□□□□□□□ED DE□E□□□BLE □□□NING □□□DU□□S S□□LL BE INS□□LLED.

NOTE□DE□E□□□BLE □□□NINGS □□□U□B □□M□S S□□LL E□□END □□E FULL □ID□□ □F □□E □□M□□UN LESS 2" M□□ □N E□□□SIDE □□□ IN □□E DI□E□□I□N □F □□□□EL□E□LUDING □N□FL□□ED SIDES. □N □□□□□LEL □U□B □□M□S□DE□E□□□BLE □□□NINGS S□□LL BE □L□□ED □N □□E □U□NING S□□□E □□□□E FLUS□ □□□NSI□I□N □I□□ □E□I□UL□□ □□□□SEE □□□2.

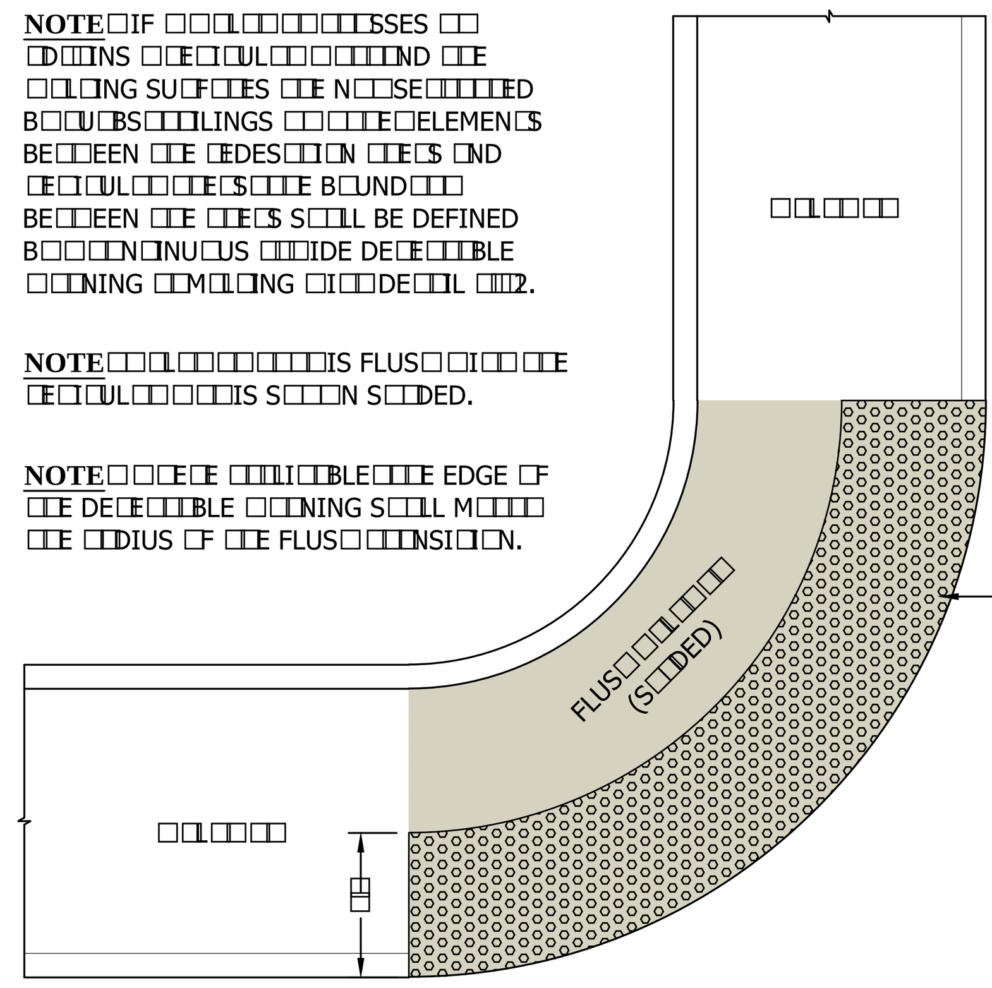
TRUNCATED DOMES
S□□□□N.□S.

□ DE□E□□□BLE □□□NING
S□□□□N.□S.

NOTE□IF □□□L□□□□□□SSES □□ □D□□INS □□E□I□UL□□□□□□□ND □□E □□L□ING SU□F□□ES □□E N□□SE□□□□□ED B□□U□BS□□□ILINGS □□□□□□E□ELEMEN□S BE□□EEN □□E □EDES□□I□N □□E□S □ND □E□I□UL□□ □□E□S□□□E B□UND□□□ BE□□EEN □□E □□E□S S□□LL BE DEFINED B□□□□N□INU□US □□□IDE DE□E□□□BLE □□□NING □□M□L□ING □I□□DE□□IL □□□2.

NOTE□□□L□□□□□□□□IS FLUS□ □I□□ □□E □E□I□UL□□□□□□IS S□□□N S□□DED.

NOTE□□□E□E □□□LI□□BLE□□□E EDGE □F □□E DE□E□□□BLE □□□NING S□□LL M□□□□ □□E □□DIUS □F □□E FLUS□ □□□NSI□I□N.



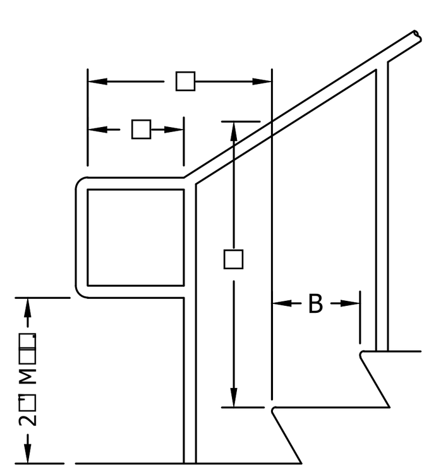
12 DE□E□□□BLE □□□NINGS □□FLUS□ □□□NSI□I□NS □□ □E□I□UL□□□□□
S□□□□N.□S.

NOTE□ □□ND□□ILS S□□LL BE □□□□IDED □N B□□□SIDES □F S□□I□S. □□ND□□ILS S□□LL BE □□N□INU□US □I□□IN □□E FULL LENG□□ □F E□□□S□□I□FLIG□□. INSIDE □□ND□□ILS □N S□I□□□B□□□□□□D□GLEG S□□I□S S□□LL BE □□N□INU□US BE□□EEN FLIG□□S.

NOTE□ □□□□F G□I□□ING SU□F□□ES □F □□ND□□ILS S□□LL BE □4" □□ □□" □E□□I□□LL□□B□□E □□L□ING SU□F□□ES□ S□□I□N□SINGS. □□ND□□ILS S□□LL BE □□□□□□NSIS□EN□□EIG□□□□□□UG□□U□

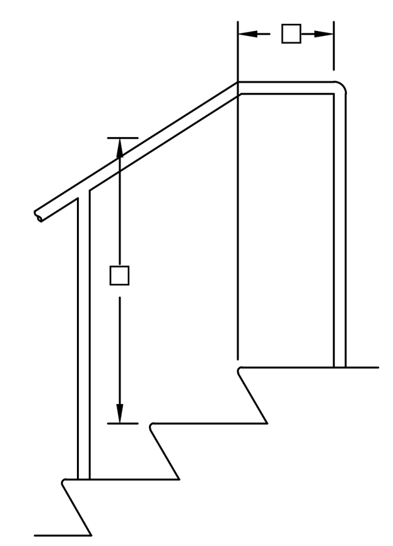
NOTE□ □□ND□□IL G□I□□ING SU□F□□ES S□□LL E□□END BE□□ND □ND IN □□E S□ME DI□E□□I□N □F S□□I□FLIG□□S. E□□ENSI□NS S□□LL N□□BE □E□UI□ED F□□□□N□INU□US □□ND□□ILS □□□□E INSIDE □U□N □F S□I□□□B□□□□□ D□GLEG S□□I□S. E□□ENSI□NS S□□LL □E□U□N □□ □□□□LL□GU□□D□□□□□E L□NDING SU□F□□E□□□S□□LL BE □□N□INU□US □□ □□E □□ND□□IL □F □N □D□□□EN□S□□I□FLIG□□. IN □L□E□□□I□NS□□□E□E □□E E□□ENSI□N □F □□E □□ND□□IL IN □□E DI□E□□I□N □F S□□I□FLIG□□□□ULD □□E□□E □□□□□□D□□□E E□□ENSI□N □F □□E □□ND□□IL MAY BE TURNED 90° FROM THE DIRECTION OF STAIR FLIGHT.

NOTE□ □□E □□IEN□□□I□N □F □□LE□S□□NE □□ND□□IL S□□LL BE IN □□E DI□E□□I□N □F □□E S□□I□□UN□ □E□□ENDI□UL□□□□ □□E DI□E□□I□N □F □□E S□□I□N□SINGS□□ND S□□LL N□□□EDU□E □□E MINIMUM □E□UI□ED □ID□□ □F □□E S□□I□



BOTTOM EXTENSION AT STAIRS

LEGEND
□□□4" □□ □□" UNIF□□M □E□□ □□
B □□□□E□D DE□□□
□□□□E□D DE□□□ □12" MIN.
□□12" MIN. □□□I□□N□□L E□□N.



TOP EXTENSION AT STAIRS

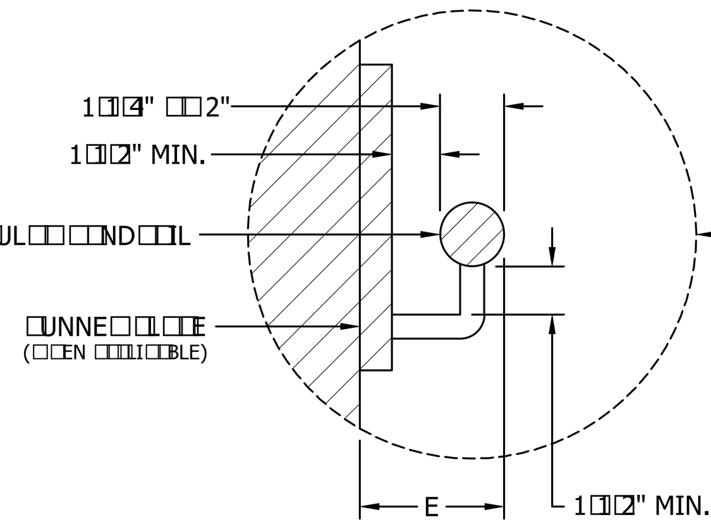
NOTE□ □□ND□□IL G□I□□ING SU□F□□ES □ND □N□SU□F□□ES □D□□□EN□□□ □□EM S□□LL BE F□EE □F S□□□□□□ □B□□SI□E ELEMEN□S □ND S□□LL □□□E □□UNDED EDGES. □□ND□□ILS S□□LL N□□□□□□□E □I□□IN □□EI□FI□□INGS.

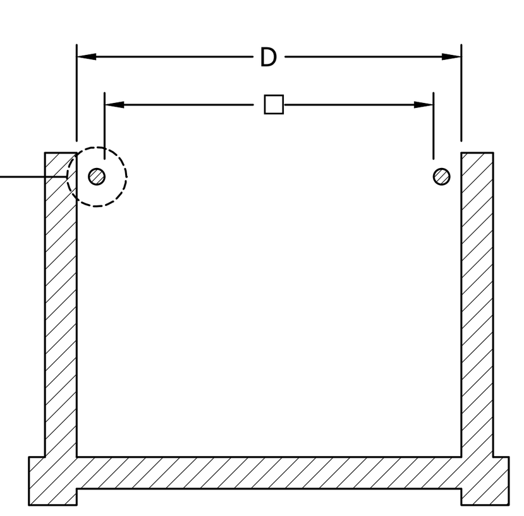
NOTE□ □□ND□□IL G□I□□ING SU□F□□ES □I□□ □□I□□UL□□ □□□□SS SE□□I□N S□□LL □□□E □N □U□SIDE DI□ME□E□ □F 1□1□4" □□2". □□ND□□IL G□I□□ING SU□F□□ES □I□□ □N□N□□I□□UL□□ □□□□SS SE□□I□N S□□LL □□□E □ □E□IME□E□DIMENSI□N □F 4" □□ □1□4"□□ND □M□□ □□□□SS□SE□□I□N DIMENSI□N □F 2□1□4".

NOTE□ □□ND□□IL G□I□□ING SU□F□□ES S□□LL BE □□N□INU□US □L□NG □□EI□LENG□□ □ND S□□LL N□□BE □BS□□U□□ED □L□NG □□EI□□□□S □□SIDES. □LE□□□N□E BE□□EEN □□ND□□IL G□I□□ING SU□F□□ES □ND □D□□□EN□ SU□F□□ES S□□LL BE 1□1□2" MINIMUM. □□E B□□□□MS □F □□ND□□IL G□I□□ING SU□F□□ES S□□LL N□□BE □BS□□U□□ED F□□M□□E □□□N 2□□ □F □□EI□LENG□□ □□E□E □□□□□IDED□□□□I□□N□□L □□□□E□□I□NS S□□LL □□□□U□1□1□2" MIN. BEL□□ □□E B□□□□M □F □□E □□ND□□IL G□I□□ING SU□F□□E.

LEGEND
□□4□ MIN. □LE□□□ID□□ □□ □□□□ESSIBLE ME□NS □F EG□ESS S□□I□S BE□□EEN S□□□IES.
D □4□ MIN. □LE□□□□M□□ID□□ □I□□ □□1□2" M□□ □□ND□□IL □□□□E□□I□N □E□□LL□□ED □□ □□ND□□IL □EIG□□
E □4□1□2" M□□ □□□□E□□I□N □□ □□ND□□IL □EIG□□F□□S□□I□S.

NOTE□ □□ND□□ILS INS□□LLED □L□NG □□L□□□□S S□□LL □□M□L□E□E□□□□□□□□ND□□IL E□□ENSI□NS □□E N□□ □E□UI□ED □□□E B□□□□MS □F □□ND□□IL G□I□□ING SU□F□□ES S□□LL BE □E□MI□□ED □□BE □BS□□U□□ED □L□NG □□EI□ EN□I□E LENG□□ □□E□E □□E□□□E IN□EG□□L □□ □□□□S□ □□ILS □□BUM□E□GU□□DS. .



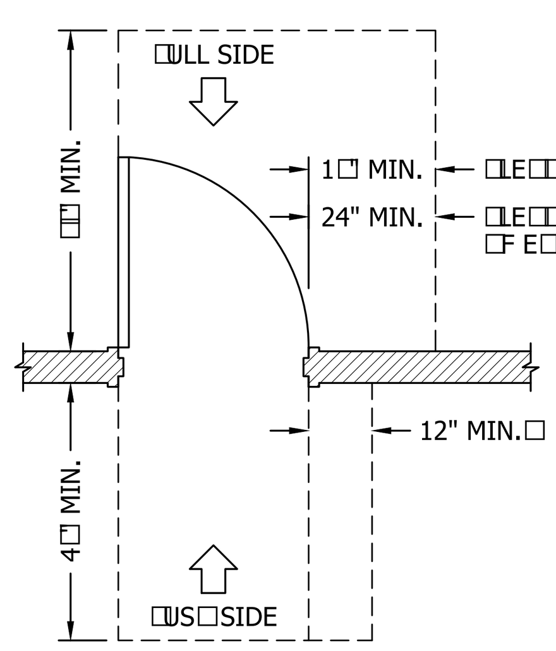


HANDRAIL SECTION

1□ S□□I□□□ND□□ILS
S□□□□N.□S.

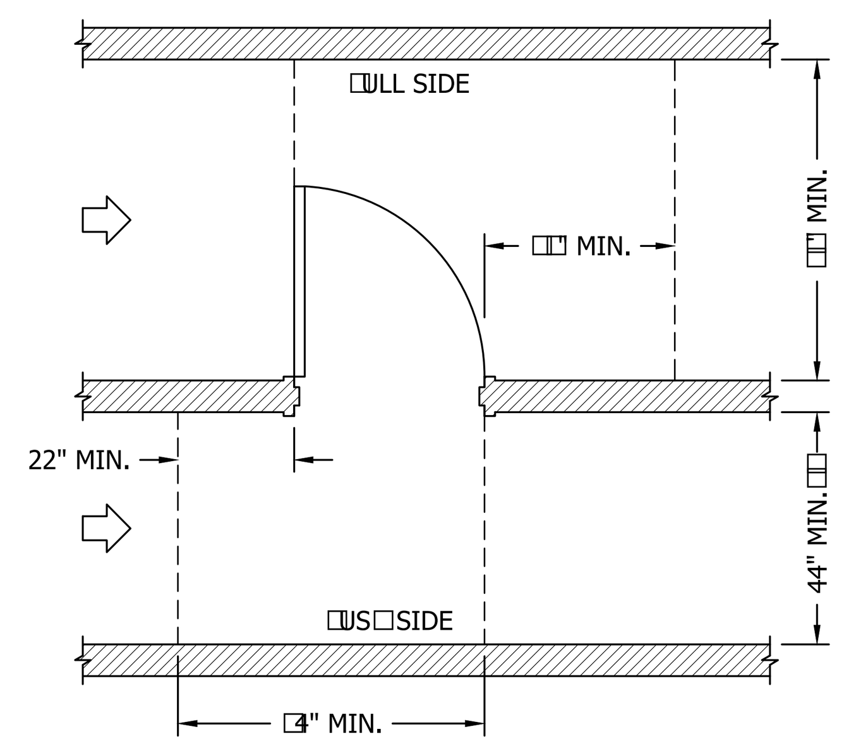
NOTES□
1. M□NEU□E□ING □LE□□□N□ES □□D□□□S S□□LL E□□END □□E FULL □ID□□ □F □□E D□□□□□□□ND □□E □E□UI□ED L□□□□SIDE □□□INGE SIDE □LE□□□N□E.
2. □□LE□S□□NE □F □□E □□□□□E D□□□S □F D□UBLE D□□□SE□S S□□LL □□□□IDE □□M□LI□N□M□NEU□E□ING □LE□□□N□E.
□ FL□□□□□□G□□UND SU□F□□E □I□□IN □E□UI□ED M□NEU□E□ING □LE□□□N□ES S□□LL BE S□□BLE□FI□M □ND SLI□□ESIS□□N□□N□□□□ E□□EED 2□ SU□F□□E SL□□E IN □N□DI□E□□I□N.
4. □□□ES□□LDS □□D□□□□□□S S□□LL BE 1□2" □□ M□□IMUM. □□□NGE IN LE□EL □F 1□4" M□□ □□ S□□LL BE □E□MI□□ED □□BE □E□□I□□L □ND □I□□□U□EDGE □□E□□MEN□ □□□NGE IN LE□EL BE□□EEN 1□4" □ND 1□2" S□□LL BE BE□ELED □I□□ □SL□□E N□G□E□□E□ □□□N 1□2.

□**NOTE**□IF D□□□IS E□UI□□ED □I□□B□□□ □L□□□□ □□ □L□SE□



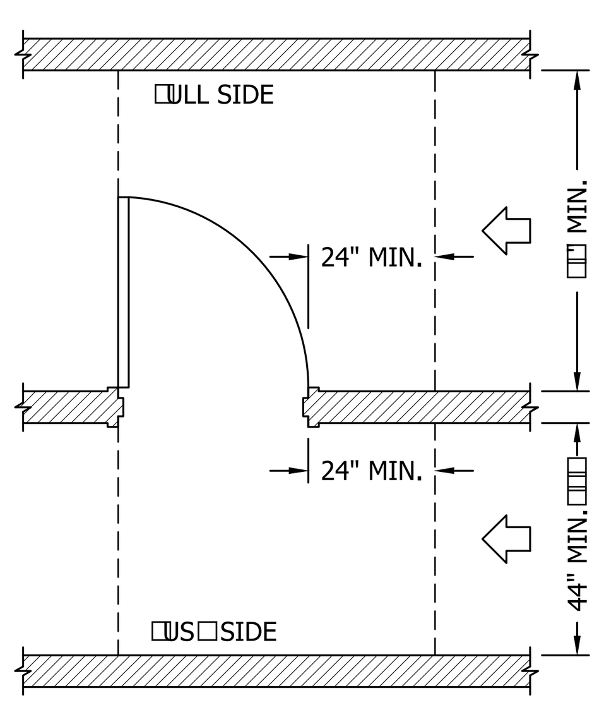
□ **FRONT APPROACH**
S□□□□N.□S.

□□**NOTE**□4□ MIN. IF D□□□□□S B□□□ □L□□□□ □ND □L□SE□



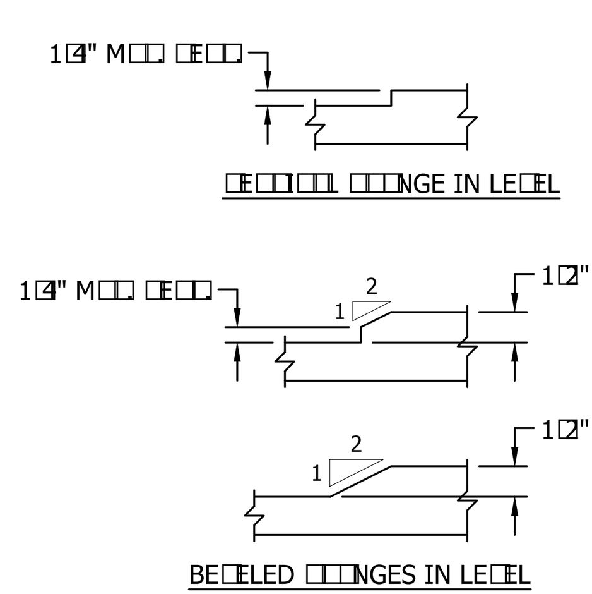
B **HINGE APPROACH**
S□□□□N.□S.

□□□**NOTE**□4□ MIN. IF D□□□□□S □□L□SE□



□ **LATCH APPROACH**
S□□□□N.□S.

11 LE□EL M□NEU□E□ING □LE□□□N□E □□D□□□S
S□□□□N.□S.



□ **THRESHOLDS AT DOORWAYS**
S□□□□N.□S.

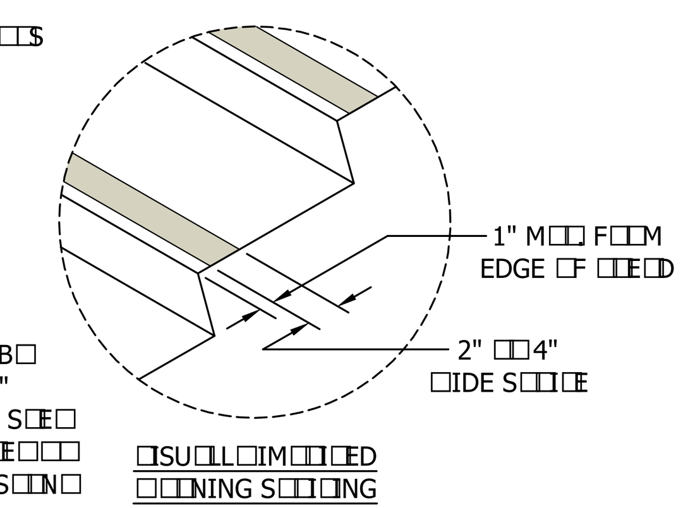
LEGEND
⇨ □DI□E□□I□N □F □□□□□□□□

NOTE□ □LL S□E□S □N □FLIG□□□F S□□I□S S□□LL □□□E UNIF□□M □ISE□□EIG□□S □ND UNIF□□M □ISE□DE□□□S. □LL S□□I□□□E□DS S□□LL N□□E□□EED 2□ SL□□E □ND S□□LL BE S□□BLE□FI□M □SLI□□ESIS□□N□.

NOTE□S□□I□□□E□D □ND L□NDINGS SUB□E□□□□ □E□□□NDI□I□NS S□□LL BE DESIGNED □□ □□E□EN□□□E □□□UMUL□□I□N □F □□□E□.

NOTE□ □□EN □ISE□S □□E N□□ □E□MI□□ED. □N □□ENING □F N□□M□□E □□□N 1□2" M□□BE □E□MI□□ED BE□□EEN □□E B□SE □F □□E □ISE□□ND □□E □□E□D. □ISE□S □□NS□□U□□ED □F G□□□ING M□□ □□□E 1□2" □□ENINGS.

NOTE□S□□I□S S□□LL □□□E □□E U□□E□□□□□□□□□□ □ND □LL □□E□DS M□□□ED B□ □S□□I□E □□□□IDING □LE□□ □ISU□L □□N□□□□S□. □□E S□□I□E S□□LL BE 2" □□4" □IDE □L□□ED □□□□□LLEL □□□□ND N□□M□□E □□□N 1" F□□M□□□E N□SE □F □□E S□E□ □□U□□E□□□□□□□□□. □□E S□□I□E S□□LL E□□END □□E FULL □ID□□ □F □□E S□E□□□ U□□E□□□□□□□□□□□ND S□□LL BE □F M□□E□I□L □□□□□IS □□LE□S□□S SLI□□ESIS□□N□ □S □□□E□□□E□DS □F S□□I□. □□□IN□ED S□□I□E S□□LL BE □□□□E□□□BLE.



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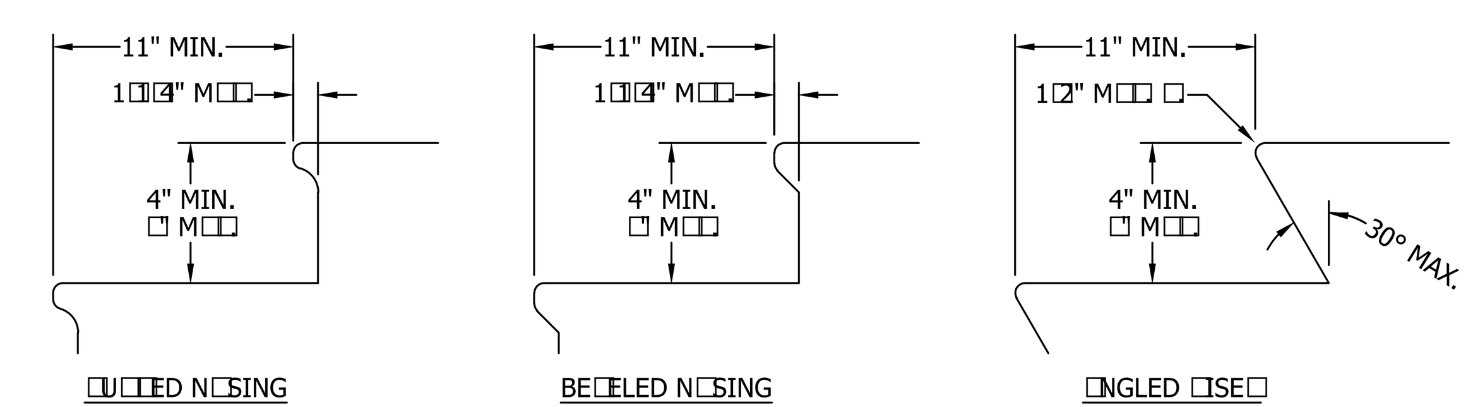


□ E□□E□I□□□S□□I□S
S□□□□N.□S.

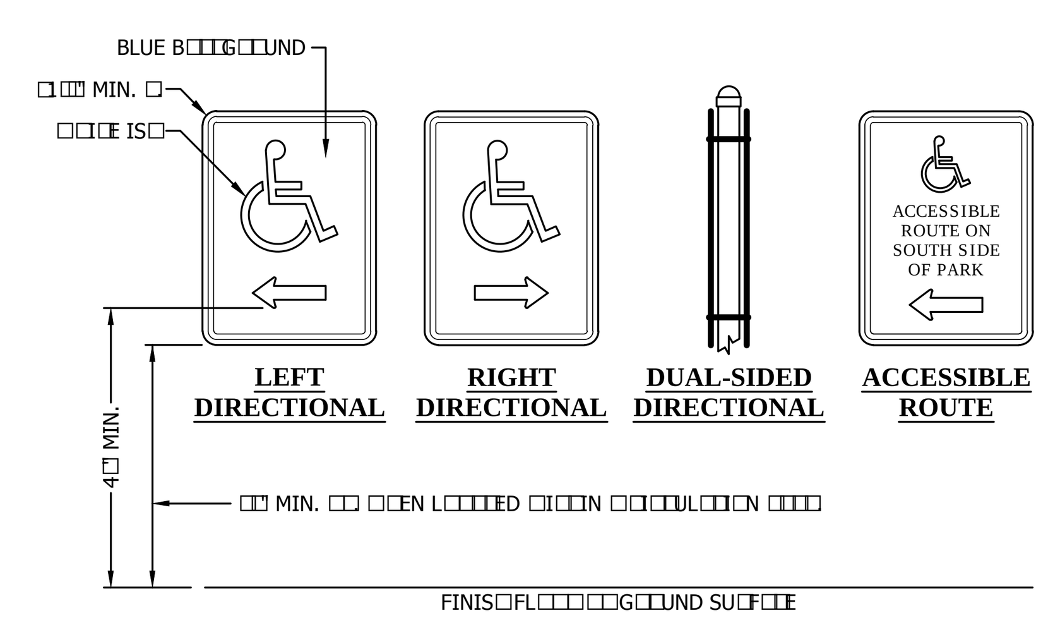
NOTE□ □□□□□□□□E□S □N SIGNS S□□LL BE 4□ MIN. □B□□E FINIS□FL□□□□□□ G□□UND SU□F□□E. SIGNS L□□□□□ED □I□□IN □□I□□UL□□I□N □□□□S□□LL BE □□ MIN. □B□□E FINIS□FL□□□□□□G□□UND SU□F□□E ME□SU□ED □□B□□□□M □F SIGN.

□**NOTE**□ □□E□E SIGNS □□E □□LE □□□□S□M□UN□ED □I□□B□□□□M EDGES LESS □□□N □□ □B□□E □□E FL□□□□□□G□□UND SU□F□□E□□□E EDGES □F SU□□SIGNS S□□LL BE □□UNDED □□E□SED □ND □□E □□□NE□S S□□LL □□□E □1□□ MIN. □□DIUS.

NOTE□ □□E IS□□N DI□E□□I□N□L SIGN□GE S□□LL □□NSIS□□F □□□□I□E FIGU□E □N □BLUE B□□□G□□UND. □□E BLUE S□□LL □□□□□□IM□□E FS 1□□□□□IN FED. S□D. □□□□ □□□□□□□□E□S □ND □□EI□B□□□G□□UND S□□LL □□□E □N□N□GL□□E SU□F□□E.

NOTE□ □□□□□□□□E□F□N□S□□□ING□LINE S□□□ING□S□□□□E □□I□□NESS □ND MIN. □□□□□□□□E□□□ □□ □□M□L□□I□□S□E□IFI□□□I□NS □□□□IDED IN □B□ 11B□□□□□

□ **PATH OF TRAVEL DIRECTIONAL**
S□□□□N.□S.



□ □□□□ESSIBLE SIGNS
S□□□□N.□S.

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CHRISTOPHER T. TAYLOR
ACCESSIBILITY INSPECTOR
CERTIFIED ACCESS SPECIALIST
ICC CERTIFIED #5242199-21
CASP CERTIFIED #240

PROJECT INFORMATION

ACCESSIBILITY UPGRADES

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA, CA 96142
APN: 015-035-02

PROJECT NOTES

No.	Revision / Issue	Date

SHEET TITLE

STANDARD DETAILS

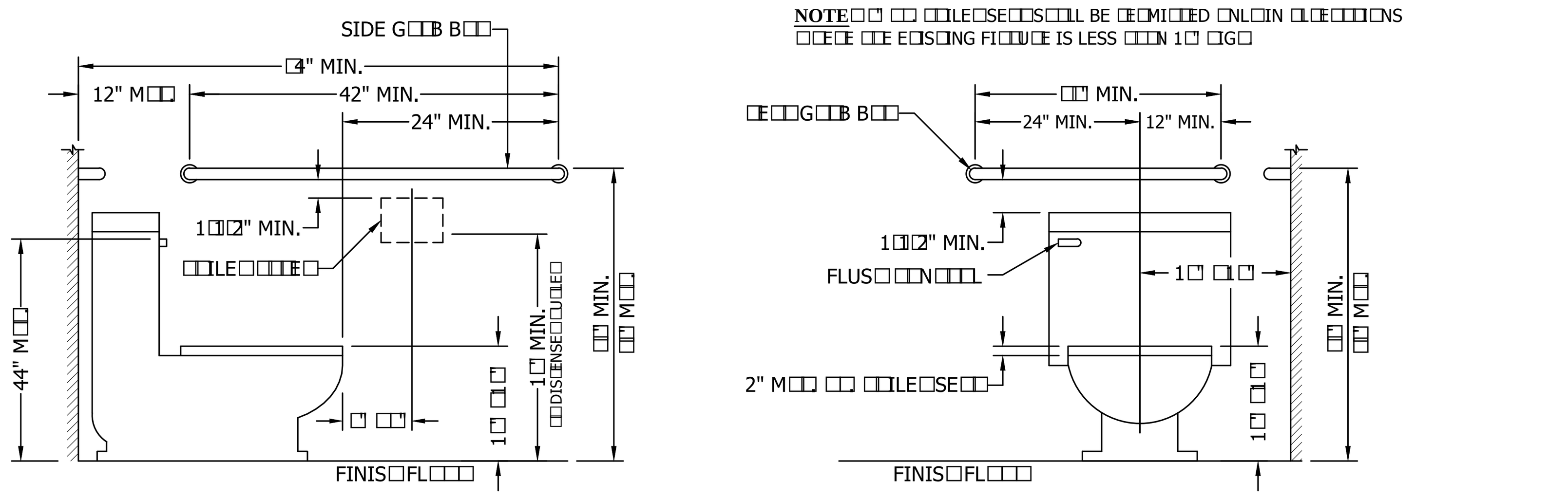
Dr□□□□□□d□□□□□□ □□□□□□□□□□□□□□□□r□□ □□□□□□ □□r□□□□r□□□□r□□□r□□□□□D□ □□□□□□□□□□□□□□□□□□□□ □□d □□□□□□□□r□□r□d□□□d □□□□□□□□r□□□□r□□□□□□.

Job No.: PINEST225	Sheet No.
Date: 07/28/2017	□2
Scale: NOT TO SCALE	
Designed By: C.T.T.	
Drawn By: J.R.S.	
Approved By:	
	DATE

NOTE□G□□B B□□S S□□LL BE □□□□IDED IN □ □□□I□□□N□□L □□SI□I□N □N □□E SIDE □□LL □L□SES□ □□ □□E □□ILE□ □ND □N □□E □E□□ □□LL. □I□□UL□□ □□□SS SE□□I□N □F G□□B B□□S S□□LL □□□E □N □U□SIDE DI□ME□E□ □F 1 1□4" MINIMUM □ND 2" M□□IMUM. □□E S□□□E BE□□EEN □□E □□LL □ND □□E G□□B B□□ S□□LL BE 1 1□2". □□E S□□□E BE□□EEN □□E G□□B B□□ □ND □□□□E□□ING □B□E□□S BEL□□ □ND □□ G□□B B□ ENDS S□□LL BE 1 1□2" MINIMUM. □□E S□□□E BE□□EEN □□E G□□B B□□ □ND □□□□E□□ING □B□E□□S □B□□E S□□LL BE 12" MINIMUM. G□□B B□□S □ND □N□ □□LL □□ □□□E□ SU□F□□ES □D□□□EN□ □□ G□□B B□□S S□□LL BE F□EE □F S□□□□ □□ □B□□SI□E ELEMEN□S □ND S□□LL □□□E □□UNDED EDGES. G□□B B□□S S□□LL N□□ □□□□□E □I□□IN □□EI□ FI□□INGS □ND S□□LL SU□□□□□ □ 2□□ LB. MIN. □□IN□ L□□D.

NOTE□ SIDE G□□B B□□S □□ BE □□□□IDED □N B□□□ SIDES □F □MBUL□□□□□ □□□□ESSIBLE □□ILE□ □□M□□□□MEN□

NOTE□ □□" □□ □□ILE□ SE□□ S□□LL BE □E□MI□□ED □NL□ IN □L□E□□□I□NS □□E□E □□E E□IS□ING FI□□U□E IS LESS □□□N 1□" □IG□



FL□□□ M□UN□ □□ILE□ (SIDE □IE□)

FL□□□ M□UN□ □□ILE□ (F□□N□ □IE□)

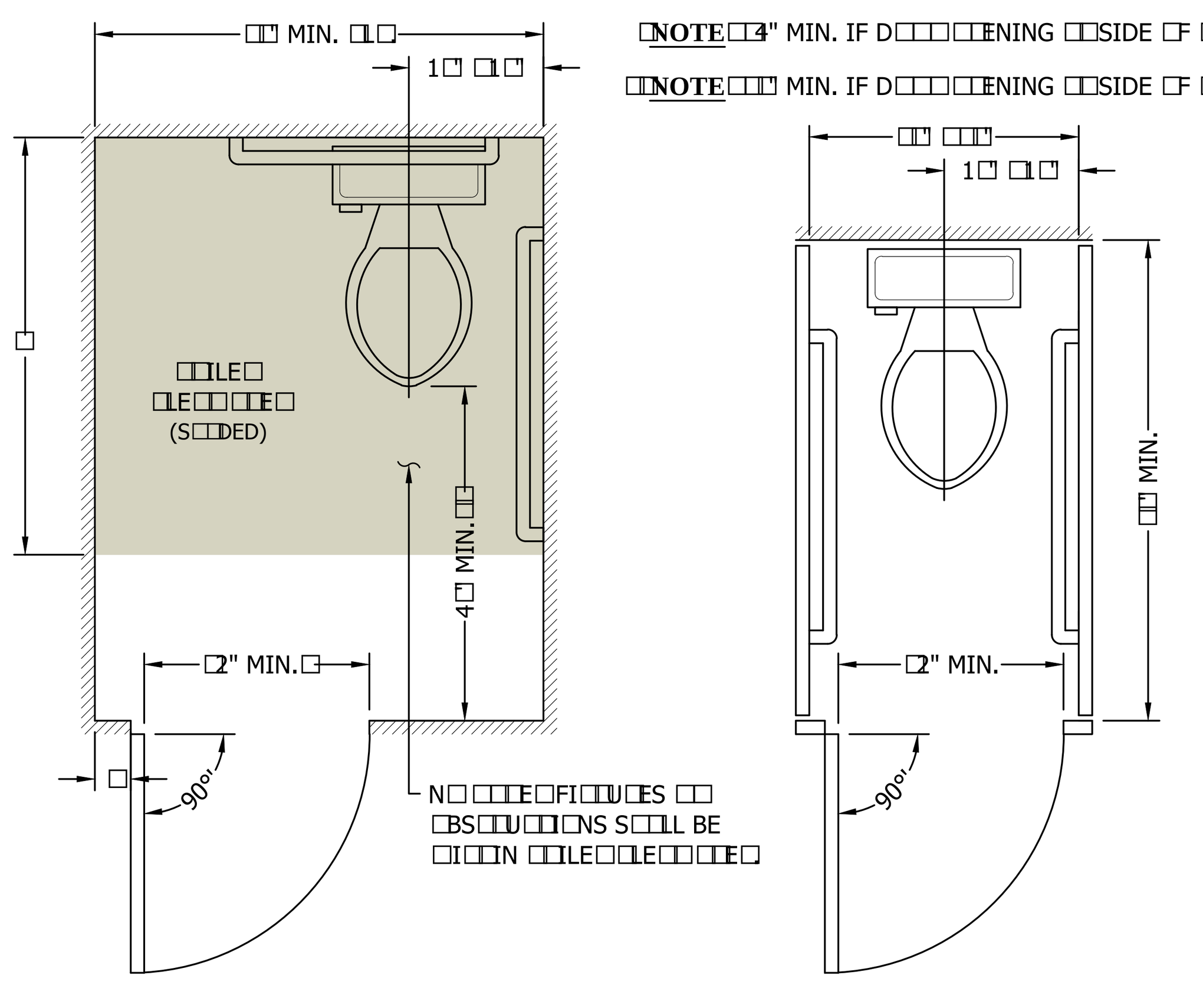
NOTE□□ILE□ □□□E□ DIS□ENSE□ □□ BE □□E□□BLE □I□□ □NE □□ND □ND S□□LL N□□ □E□UI□E □IG□□ G□□S□ING □□IN□□ING □□ □□□IS□ING □F □□E □□IS□ (□LB. M□□ □□E□□□ING F□□□E). DIS□ENSE□S S□□LL N□□ BE □F □ □□□E □□□□ □□N□□□LS DELI□E□□ □□ □□□□□ D□ES N□□ □LL□□ □□N□INU□US □□□E□ FL□□.

LEGEND

□□□□" MIN. □L□ F□□ SINGLE □□□□M. □ES□□□□M □□" MIN. □L□ F□□ □□LL □UNG □□M□□□□MEN□ □□ILE□ □□□" MIN. □L□ F□□ FL□□□ M□UN□ □□M□□□□MEN□ □□ILE□ □□4" M□□ S□ILE DI□G□N□L □□ □□ILE□ F□□ □□M□□□□MEN□ □□□□□I□N □NL□

□**NOTE**□□4" MIN. IF D□□□ □□ENING □□ SIDE □F □□M□□□□MEN□ □□2" MIN. F□□ SINGLE □□□□M. □ES□□□□MS.

□**NOTE**□□□ MIN. IF D□□□ □□ENING □□ SIDE □F □□M□□□□MEN□ □4□ MIN. F□□ SINGLE □□□□M. □ES□□□□MS.



NOTE□ FLUS□ □□N□□□LS S□□LL □□E□□BLE □I□□ □NE □□ND □□ □U□□M□□I□. FLUS□ □□N□□□LS S□□LL N□□ □E□UI□E □IG□□ G□□S□ING □□IN□□ING □□ □□IS□ING □F □□E □□IS□ (□LB. M□□ □□E□□□ING F□□□E). FLUS□ □□N□□□LS S□□LL BE L□□□□ED □N □□E □□EN SIDE □F □□E □□ILE□ □□ 44" M□□ □F.F..

NOTE□ □ES□□□□M EN□□□□ □□M□□□□MEN□ D□□□S □□ □E□UI□E □LBS. M□□ □□ENING F□□□E. □□M□□□□MEN□ D□□□S S□□LL BE E□UI□□ED □I□□ □ SELF□□L□SING DE□I□E □D□US□ED □□ □□□□IDE □ □SE□. MIN. □L□SE TIME FROM AN OPEN POSITION OF 90° TO WITHIN 12° F□□M □□E L□□□□.

NOTE□ □□ILE□S □□NE SIDE □□□□□I□N S□□LL □□□□IDE □□□E □LE□□□N□E □" MIN. □F.F. □ND □" MIN. DE□□□ BE□□ND □□M□□□□MEN□ SIDE F□□E □F □□E □□□□□I□N□ E□□LUSI□E □F □□□□□I□N SU□□□□□ MEMBE□S. □□E □LE□□□N□E □□□□E SIDE □□□□□I□N IS N□□ □□□□□ED. IN □ □□M□□□□MEN□ G□E□□E□ □□□N □□" □IDE. □□□□□I□N □□M□□NEN□S □□□□E □LE□□□N□ES S□□LL BE SM□□□□ □I□□□U□ S□□□□ EDGES □□ □B□□SI□E SU□F□□ES.

NOTE□ □□E □E□UI□ED □LE□□□N□E □□□UND □□E □□ILE□ (S□□DED) S□□LL BE □E□MI□□ED □□ □□E□L□□ □□E □□ILE□ □□ □SS□□I□□ED G□□B B□□S□ DIS□ENSE□S□ S□NI□□□□ N□□□IN DIS□□S□L UNI□S□ □□□□□ □□□□S□ S□EL□ES□ □□□□ESSIBLE □□U□ES □□ □LE□□ FL□□□ S□□□E □ND □LE□□□N□ES □E□UI□ED □□ □□□□E□ FI□□U□ES □ND □□E □U□NING S□□□E.

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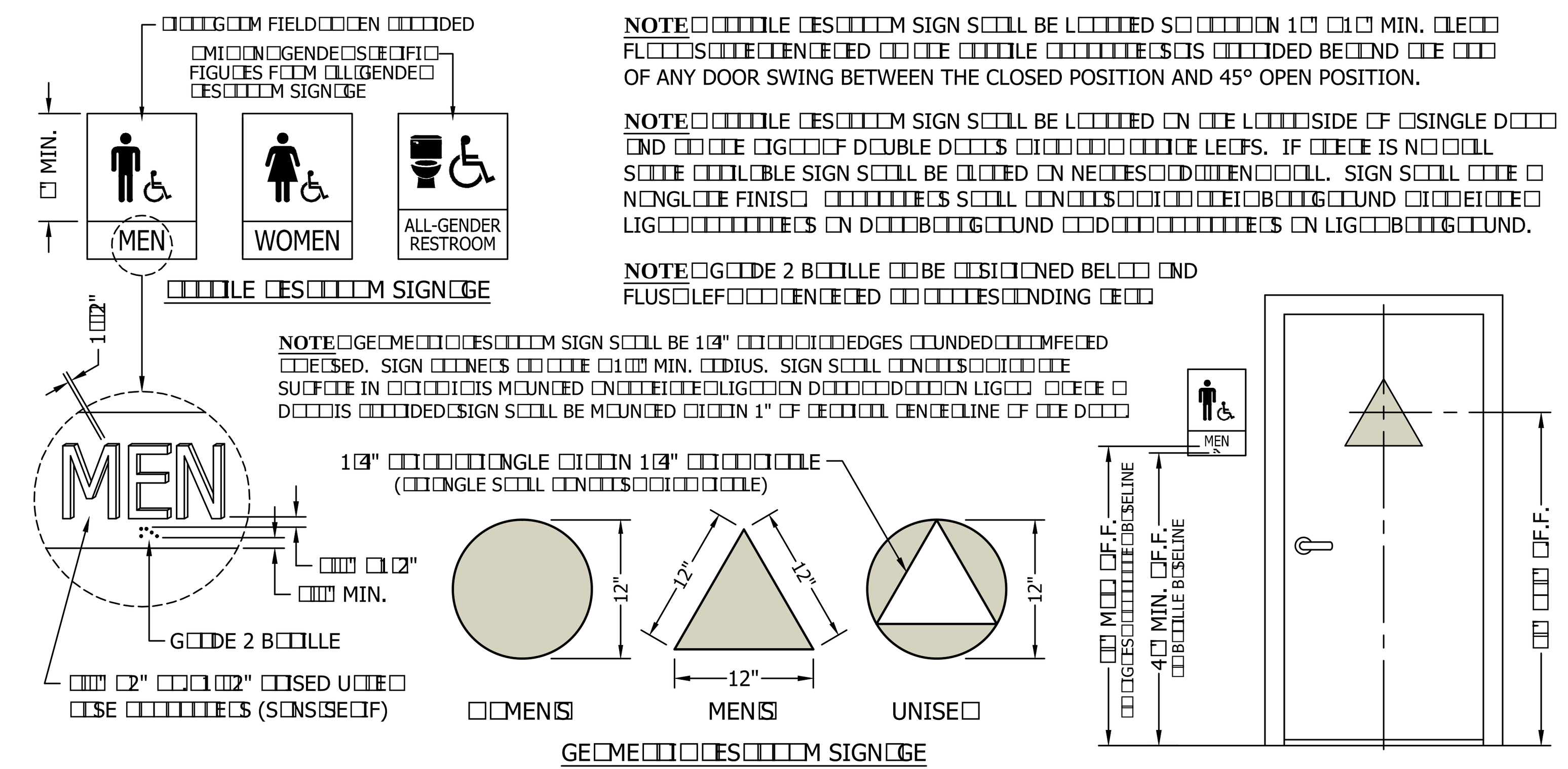

NOTE□ □□□□ILE □ES□□□□M SIGN S□□LL BE L□□□□ED S□ □□□□ □N 1□" □ 1□" MIN. □LE□□ FL□□□ S□□□E □EN□E□ED □□ □□E □□□□ILE □□□□□□□E□S IS □□□□IDED BE□□ND □□E □□□ OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45° OPEN POSITION.

NOTE□ □□□□ILE □ES□□□□M SIGN S□□LL BE L□□□□ED □N □□E L□□□□ SIDE □F □ SINGLE D□□□ □ND □□ □□E □IG□□ □F D□UBLE D□□□S □I□□ □□□ □□□I□E LE□FS. IF □□E□E IS N□ □□LL S□□□E □□□IL□BLE SIGN S□□LL BE □L□□ED □N NE□□ES□ □D□□□EN□ □□LL. SIGN S□□LL □□□E □ N□NGL□□E FINIS□. □□□□□□□E□S S□□LL □□N□□□S□ □I□□ □□EI□ B□□□G□□UND □I□□E□ LIG□□ □□□□□□□E□S □N D□□□ B□□□G□□UND □□ D□□□ □□□□□□□E□S □N LIG□□ B□□□G□□UND.

NOTE□ G□□DE 2 B□□ILLE □□ BE □□SI□I□NED BEL□□ □ND FLUS□ LEF□ □□ □□□EN□E□ED □□ □□□□ES□□NDING □E□□.

NOTE□ GE□ME□□I□ □ES□□□□M SIGN S□□LL BE 1□4" □□I□□ □I□□ EDGES □□UNDED□ □□□MFE□ED □□ □E□SED. SIGN □□□NE□S □□ □□□E □ 1□" MIN. □□DIUS. SIGN S□□LL □□N□□□S□ □I□□ □□E SU□F□□E IN □□I□□ I□ IS M□UN□ED □N □□E□□E□ LIG□□ □N D□□□ □□ D□□□ □N LIG□□. □□E□E □ D□□□ IS □□□□IDED□ SIGN S□□LL BE M□UN□ED □I□□IN 1" □F □E□□I□□L □EN□E□LINE □F □□E D□□□.

NOTE□ □□□EN □N IS□ IS □□□□IDED □N □□□□□ILE □ES□□□□M SIGN□□□E S□MB□L S□□LL □□NSIS□ □F □ □□I□E FIGU□E □N □ BLUE B□□□G□□UND (FS 1□□□□ IN FED. S□D. □□□□). □□E □□□□□□□□□E ENF□□□EMEN□ □GEN□□ M□□ □□□□□□E □ □LE□N□□E □□N□□□S□ING □□L□□S.

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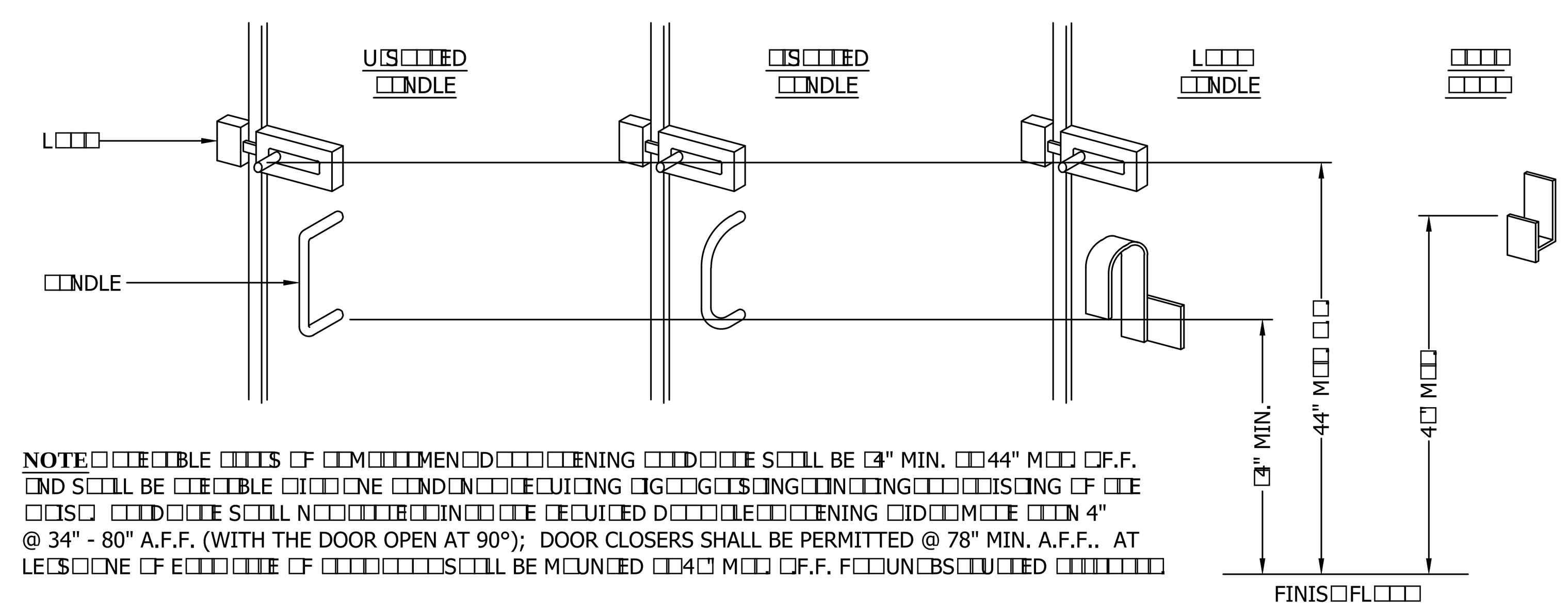
S□□□□N.□S.

NOTE□ □ D□□□ □ULL S□□LL BE □L□□ED □N B□□□ SIDES □F □□E □□M□□□□MEN□ D□□□ □N □□E S□□I□E SIDE. □□E □□M□□□□MEN□ D□□□ S□□LL BE E□UI□□ED WITH A SELF-CLOSING DEVICE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90°, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12° FROM □□E L□□□□ IS □ SE□□NDS MINIMUM. □□E □□M□□□□MEN□ D□□□ □□ND □LL □F I□S □□E□□BLE □□□□S S□□LL □E□UI□E □LBS. M□□ □□E□□□ING F□□□E.



NOTE□ □□E□□BLE □□□□S □F □□M□□□□MEN□ D□□□ □□ENING □□□D□□□E S□□LL BE □4" MIN. □□ 44" M□□ □F.F. □ND S□□LL BE □□E□□BLE □I□□ □NE □□ND □N□ □□□ □E□UI□ING □IG□□ G□□S□ING □□ □□IN□□ING □□ □□IS□ING □F □□E □□IS□. □□□D□□□E S□□LL N□□ □□□□E□□ IN□□ □□E □E□UI□ED D□□□□ □LE□□ □□ENING □ID□□ M□□E □□□N 4" @ 34" - 80" A.F.F. (WITH THE DOOR OPEN AT 90°); DOOR CLOSERS SHALL BE PERMITTED @ 78" MIN. A.F.F.. AT LE□S□ □NE □F E□□□ □□□E □F □□□□□□□□□ S□□LL BE M□UN□ED □□ 4□" M□□ □F.F. F□□ UN□BS□□U□□ED □□□□□□□□.

□ □□□□ESSIBLE □□M□□□□MEN□ D□□□ □□□D□□□E
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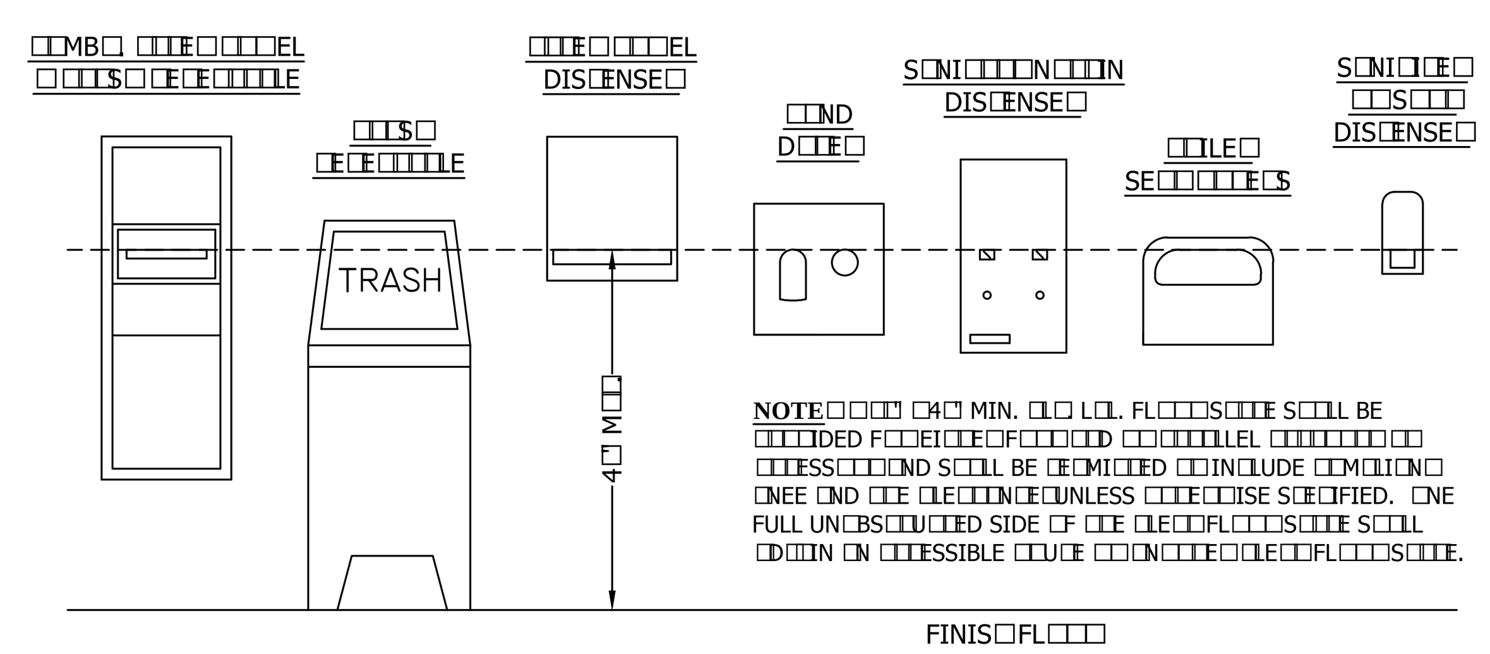
NOTE□ □□E□E □□□□EL □□□S□ NI□□□□ N□□□IN DIS□ENSE□S□ □□□S□E □E□E□□□□LES□ □□□ □□□E□ □□□ESS□□IES □□E □□□□IDED IN □□ILE□ F□□ILI□IES□ □□LE□S□ □NE □F E□□□ □□□E S□□LL □□M□L□ □ND BE L□□□□ED □N □N □□□□ESSIBLE □□U□E. □LL □□E□□BLE □□□□S□ IN□LUDING □□IN SL□□S□ S□□LL BE 4□" M□□. □B□□E FINIS□ FL□□□ □ND S□□LL BE □□E□□BLE □I□□ □NE □□ND □N□ □□□ □E□UI□ING □IG□□ G□□S□ING □□IN□□ING □□ □□IS□ING □F □□E □□IS□. □□E F□□□E □E□UI□ED □□ □□□I□□□E □□E□□BLE □□□□S S□□LL BE □LBS. M□□IMUM.



NOTE□ □ □□" □4□" MIN. □L□ L□L. FL□□□ S□□□E S□□LL BE □□□□IDED F□□ EI□□E□ F□□□□□D □□ □□□□LLEL □□□□□□□□ □□ □□□ESS□□□□ □ND S□□LL BE □E□MI□□ED □□ IN□LUDE □□M□LI□N□ □NEE □ND □□E □LE□□□N□E□ UNLESS □□□E□□ISE S□E□IFIED. □NE FULL UN□BS□□U□□ED SIDE □F □□E □LE□□ FL□□□ S□□□E S□□LL □D□□IN □N □□□□ESSIBLE □□U□E □□ □N□□□E□ □LE□□ FL□□□ S□□□E.

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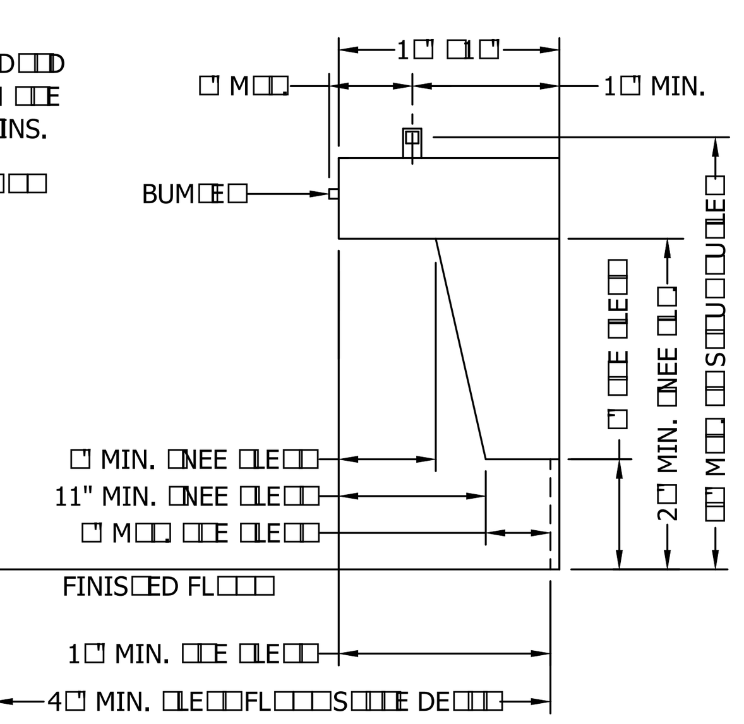
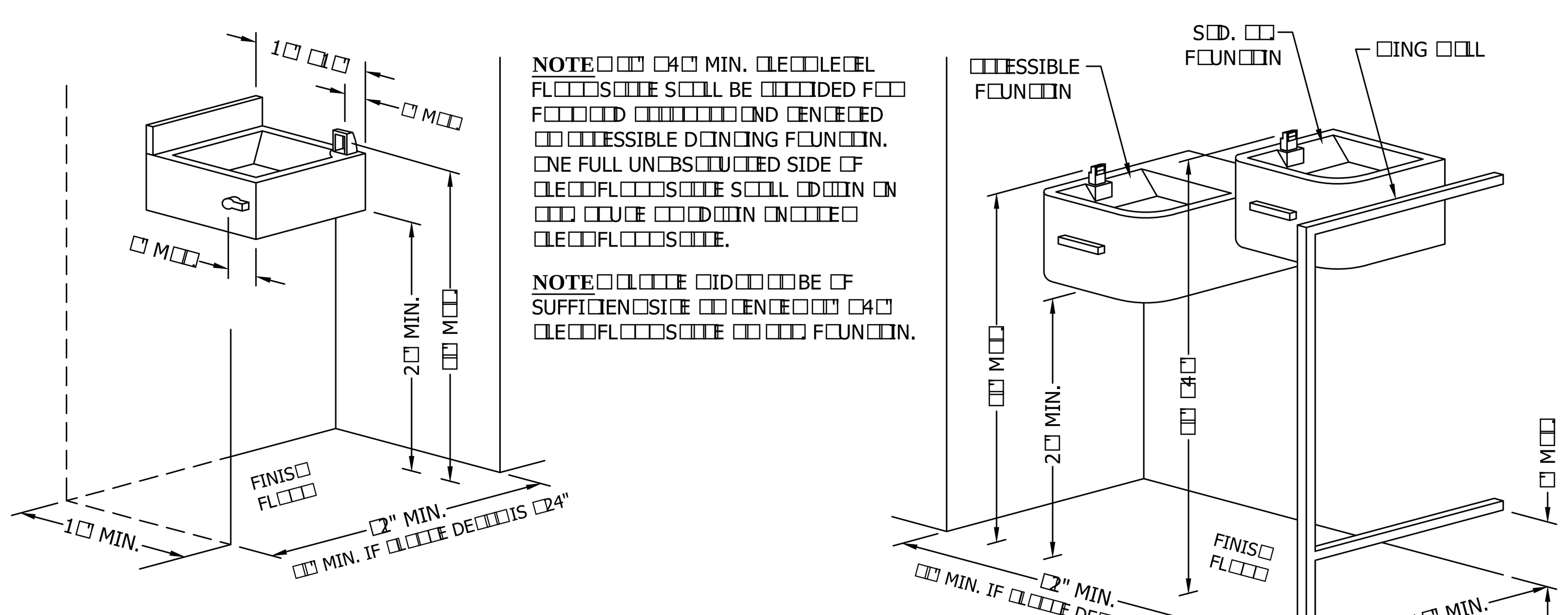
NOTE□ □□E S□□U□ S□□LL □□□□IDE □4" MIN. □□ □□□E□ FL□□ □ND S□□LL BE L□□□□ED □" M□□ F□□M F□□N□ □F UNI□ IN□LUDING BUM□E□S. □□E □NGLE □F □□E □□□E□ S□□E□M S□□LL BE ME□SU□ED □□□I□□N□□LL□ □□□□EL □□I□E □□ □□E F□□N□ F□□E □F UNI□. □□E□E S□□U□S □□E L□□□□ED LESS □□□N □" □F □□E F□□N□ □F UNI□□ □□E □NGLE □F □□E □□□E□ S□□E□M S□□LL BE 30° MAX.; WHEN LOCATED 3" TO 5" FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15° MAXIMUM.

NOTE□ □LL D□IN□ING F□UN□□INS S□□LL EI□□E□ BE L□□□□ED □□M□LE□EL□ □I□□IN □L□□□ES □□ □□SI□I□NED □□M□LE□EL□ BE□□EEN □ING □□LLS□ □□ □□□E□□ISE □□SI□I□NED S□ □S N□□ □□ EN□□□□□□ IN□□ □EDES□□I□N □□□□S. □ING □□LLS □□ B□□□IE□S S□□LL □□□□E□□ □□□I□□N□□LL□ □□□LE□S □□S F□□□S □□E D□IN□ING F□UN□□IN □ND □□ □I□□IN □" □E□□I□□LL□ F□□M □□E FL□□□ □□ G□□UND SU□F□□E.

NOTE□ □□E□E S□□LL BE □□" □□. □□E □LE□□□N□E E□□ENDING 1□" □2□" DE□□□ F□□M F□UN□□IN F□□N□ EDGE □□" M□□ DE□□□ BE□□ND □□□IL□BLE □NEE □LE□□.



D□IN□ING F□UN□□IN (SIDE □IE□)



NOTE□ □□" □4□" MIN. □LE□□ LE□EL FL□□□ S□□□E S□□LL BE □□□□IDED F□□ F□□□□□D □□□□□□□□□ □ND □EN□E□ED □□ □□□□ESSIBLE D□IN□ING F□UN□□IN. □NE FULL UN□BS□□U□□ED SIDE □F □LE□□ FL□□□ S□□□E S□□LL □D□□IN □N □□□ □□U□E □□ □D□□IN □N□□□E□ □LE□□ FL□□□ S□□□E.

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1002 RIVER ROCK DR. #121
FOLSOM, CA 95630
PHONE: (916) 983-3816
FAX: (916) 357-7246

CHRISTOPHER T. TAYLOR
ACCESSIBILITY INSPECTOR
CERTIFIED ACCESS SPECIALIST
ICC CERTIFIED #5242199-21
CASP CERTIFIED #240

PROJECT INFORMATION

ACCESSIBILITY UPGRADES

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA, CA 96142
APN: 015-035-02

PROJECT NOTES

No.	Revision / Issue	Date

SHEET TITLE

STANDARD DETAILS

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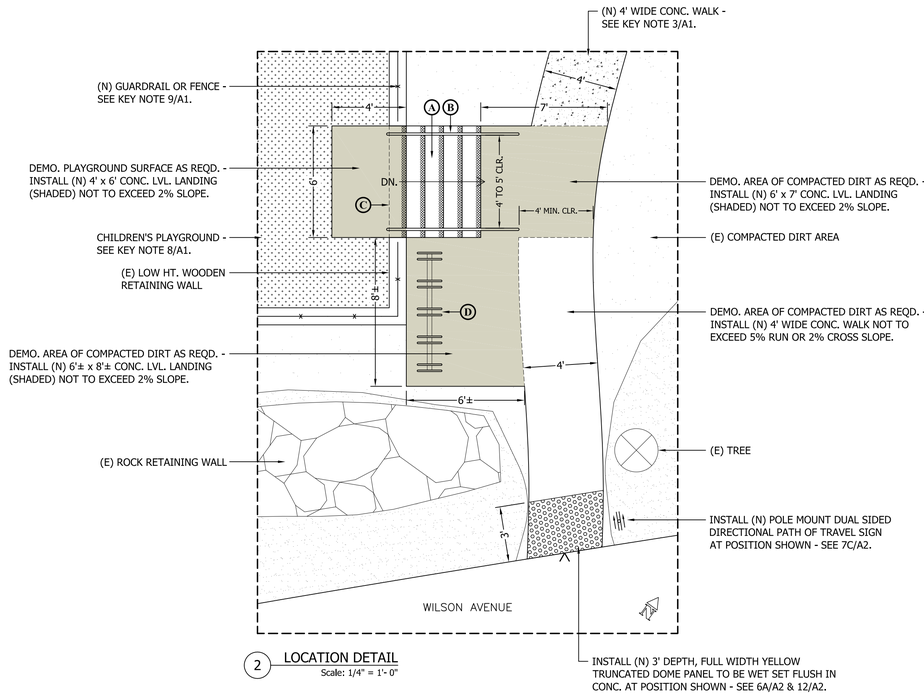
Job No.: PINEST225	Sheet No. □2.1
Date: 07/28/2017	
Scale: AS NOTED	
Designed By: C.T.T.	
Drawn By: J.R.S.	
Approved By:	

DATE



2 LOCATION DETAIL
Scale: 1/4" = 1'- 0"

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FOLSOM, CA 95630
PHONE: (916) 983-3816
FAX: (916) 357-7246

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ICC CERTIFIED #5242199-21
CASP CERTIFIED #240

PROJECT INFORMATION

ACCESSIBILITY UPGRADES

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA, CA 96142
APN: 015-035-02

PROJECT NOTES

CONSTRUCTION LEGEND

- AREA NOT TO EXCEED 2% SLOPE
- (E) TREE
- 1/4" MAX. VERTICAL CHANGE IN LEVEL

CONSTRUCTION KEY NOTES

(A) - INSTALL (N) 6' WIDE CONC. STAIR SET W/ VISUALLY IMPAIRED WARNING STRIPING (HATCHED) AS SHOWN - SEE 9/A2.

(B) - INSTALL (N) HANDRAIL W/ COMPLIANT EXTNS. ALONG BOTH SIDES OF PROPOSED STAIR SET AS SHOWN - SEE 10/A2.1.

(C) - DEMO. 6' WIDE SECTION OF (E) LOW HT. WOODEN RETAINING WALL (DASHED).

(D) - INSTALL (N) BIKE RACK (TYP.) AT POSITION SHOWN.

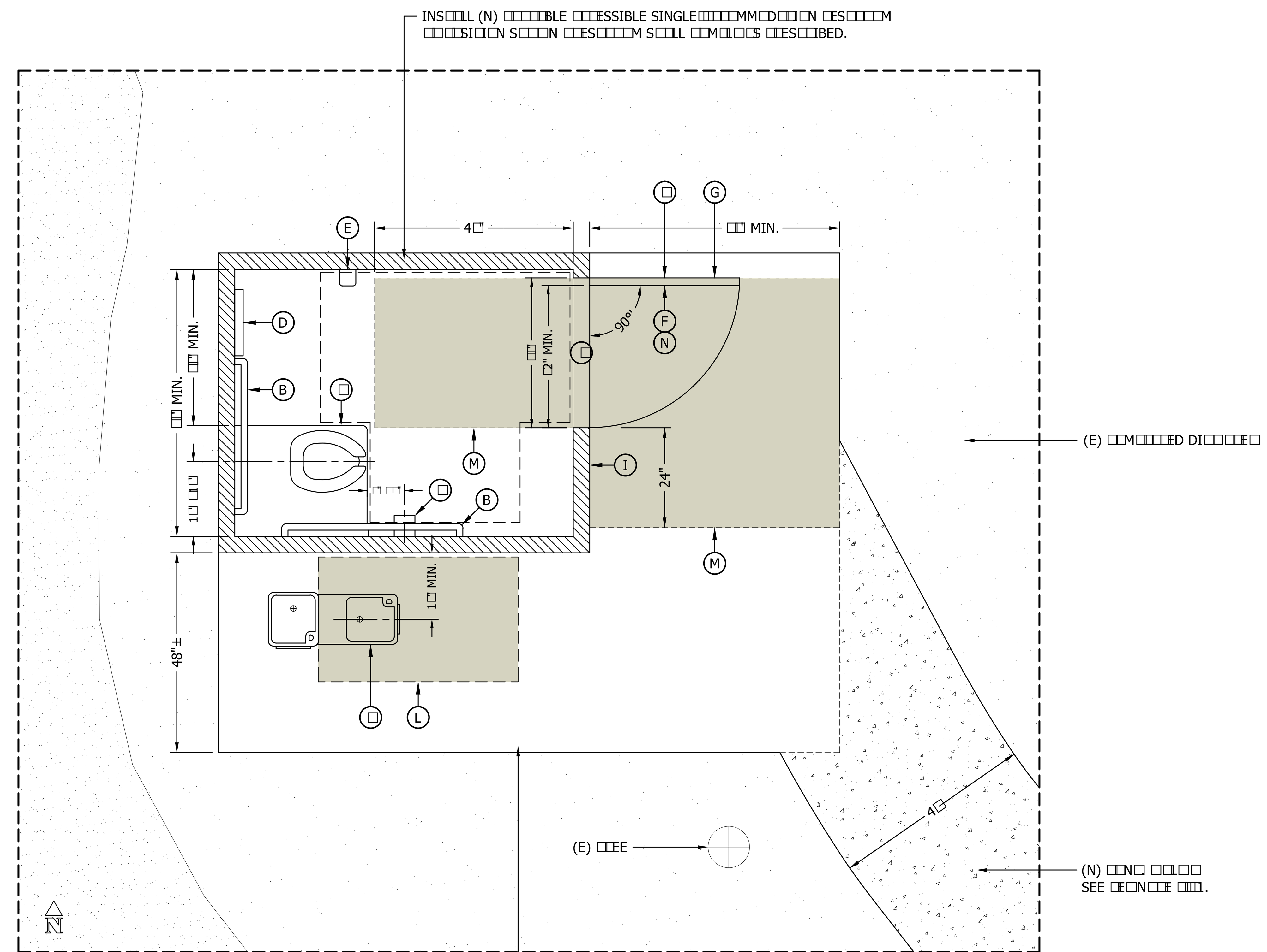
CONSTRUCTION NOTE: ALL RECONSTRUCTED AND NEWLY INSTALLED ON-SITE WALKWAYS & ACC. PATHS OF TRAVEL SHALL COMPLY WITH 'WALKWAY CONSTRUCTION NOTES' ON SHEET A0.

No.	Revision / Issue	Date

SHEET TITLE

LOCATION DETAILS

Job No.: PINEST225	**Sheet No.** A3
Date: 07/28/2017	
Scale: AS NOTED	
Designed By: C.T.T.	
Drawn By: J.R.S.	
Approved By: _____ DATE	



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www.ada-pros.com

1002 RIVER ROCK DR. #121
FOLSOM, CA 95630
PHONE: (916) 983-3816
FAX: (916) 357-7246

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PROJECT INFORMATION

ACCESSIBILITY UPGRADES

MARIE SLUCHAK
COMMUNITY PARK
225 PINE STREET
TAHOMA, CA 96142
APN: 015-035-02

PROJECT NOTES

□□NS□□U□□I□N LEGEND

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- (A) □□□□□□BLE □ES□□□□M □□ILE□S□□LL □□M□L□□SEE 1□□2.1.
- (B) □□□LL M□UN□G□□B B□□S□□LL □□M□L□□SEE 1□□2.1.
- (C) □□□LL M□UN□□□ILE□□□□E□DIS□ENSE□S□□LL □□M□L□□SEE 1□□2.1.
- (D) □□□□□□N□L □□LL M□UN□□□ILE□SE□□□□□E□ DIS□ENSE□S□□LL □□M□L□□SEE 4□□2.1.
- (E) □□□□□□N□L □□LL M□UN□S□NI□□□E□DIS□ENSE□S□□LL □□M□L□□SEE 4□□2.1.
- (F) □□□□□□BLE □ES□□□□M EN□□□D□□□S□□LL □□M□L□ □□EN□□□D□□□□NS□□U□□I□N N□□ES□□E□EIN.
- (G) □□□□□□BLE □ES□□□□M EN□□□D□□□□NDLES □ND IN□ L□□□S□□LL □□M□L□□SEE □□□2.1.
- (H) □INS□□LL (N) UNISE□D□□□M□UN□GE□ME□□□ □ES□□□□M SIGN S□□LL □□M□L□□SEE □□□2.1.
- (I) □INS□□LL (N) □LL□GENDE□□□□LL M□UN□□□□□ILE □ES□□□□M SIGN S□□LL □□M□L□□SEE □□□2.1.
- (J) □EN□□□D□□□□□□ES□□LD □□□□□□□BLE □ES□□□□M S□□LL □□M□L□□SEE 11□□□2.1.
- (K) □INS□□LL (N) □U□D□□□□"□I□□□" D□IN□ING F□UN□□IN □□ □□M□L□□SEE □□□2.1.
- (L) □□□" □4□" □LE□□L□L. FL□□□S□□□E (S□□DED) S□□LL BE □□□□IDED □□□□□ F□UN□□IN□N□□□□E□□EED 2□ SL□□E □□EF. □□□2.1.
- (M) □L□L. M□NEU□E□ING □LE□□(S□□DED) □□□□□□□BLE □ES□□□□M EN□□□D□□□S□□LL □□M□L□□SEE 11□□2.
- (N) □□□□□□N□L IN□ D□□□M□UN□□□□□□□□□S□□LL □□M□L□□SEE □□□2.1.

EN□□□D□□□□NS□□U□□I□N N□□ES□

1. □□E □EIG□□□F E□I□D□□□□ENINGS S□□LL N□□BE LESS □□□N □□".
2. D□□□□□□□□ENINGS S□□LL □□□□IDE □□LE□□□ID□□□F □2" MINIMUM ME□SU□ED BE□□EEN □□E F□□E □F □□E DOOR AND THE STOP, WITH THE DOOR OPEN 90°.
3. □□E□E S□□LL BE N□ □□□□E□□I□NS IN□□ □□E □E□UI□ED □LE□□□ENING □ID□□L□□E□□□EN □4" □B□□E □□E FINIS□FL□□□□□G□□UND. □□□□E□□I□NS IN□□ □□E □LE□□□ENING □ID□□BE□□EEN □4" □ND □□" S□□LL N□□E□□EED 4".
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No.	Revision / Issue	Date

SHEET TITLE

LOCATION DETAILS

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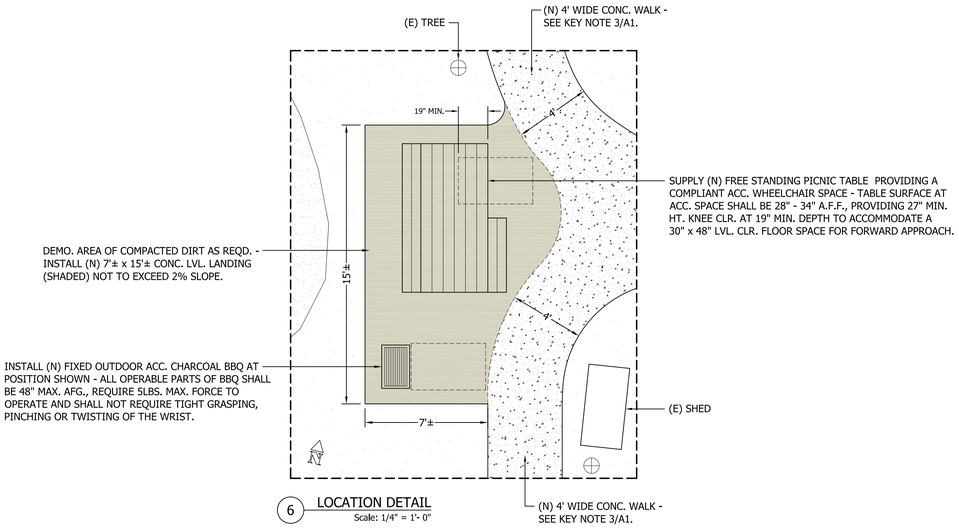
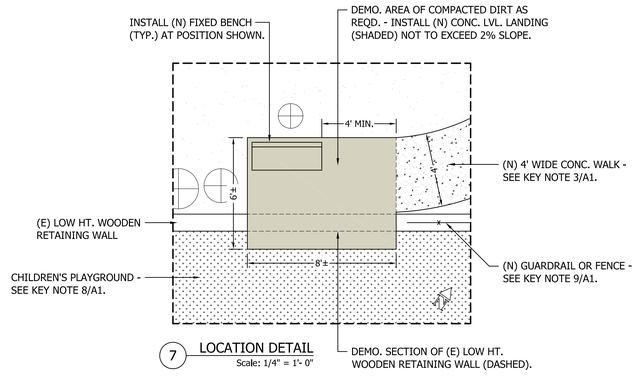
Job No.: PINEST225	**Sheet No.** □4
Date: 07/28/2017	
Scale: AS NOTED	
Designed By: C.T.T.	
Drawn By: J.R.S.	
Approved By:	DATE



6 LOCATION DETAIL
Scale: 1/4" = 1'- 0"



7 LOCATION DETAIL
Scale: 1/4" = 1'- 0"

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FAX: (916) 357-7246

CHRISTOPHER T. TAYLOR
ACCESSIBILITY INSPECTOR
CERTIFIED ACCESS SPECIALIST
ICC CERTIFIED #5242199-21
CASP CERTIFIED #240

PROJECT INFORMATION

ACCESSIBILITY UPGRADES

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA, CA 96142
APN: 015-035-02

PROJECT NOTES

CONSTRUCTION LEGEND

- AREA NOT TO EXCEED 2% SLOPE
- 30" x 48" CLEAR LVL. FLOOR SPACE
- (E) TREE
- 1/4" MAX. VERTICAL CHANGE IN LEVEL

CONSTRUCTION NOTE: ALL RECONSTRUCTED AND NEWLY INSTALLED ON-SITE WALKWAYS & ACC. PATHS OF TRAVEL SHALL COMPLY WITH 'WALKWAY CONSTRUCTION NOTES' ON SHEET A0.

No.	Revision / Issue	Date

SHEET TITLE

LOCATION DETAILS

Job No.: PINEST225	**Sheet No.** A5
Date: 07/28/2017	
Scale: AS NOTED	
Designed By: C.T.T.	
Drawn By: J.R.S.	
Approved By: _____ DATE	

DIVISION 2: SCOPING REQUIREMENTS

11B-202 Existing buildings and facilities

11B-202.1 General. Additions and alterations to existing buildings or facilities shall comply with Section 11B-202.

11B-202.2 Additions. Each addition to an existing building or facility shall comply with the requirements for new construction and shall comply with Section 11B-202.4.

11B-202.3 Alterations. Where existing elements or spaces are altered, each altered element or space shall comply with the applicable requirements of Division 2, including Section 11B-202A.

Exceptions:

1. Reserved.
2. Technically infeasible. In alterations, where the enforcing authority determines compliance with applicable requirements is technically infeasible, the alteration shall provide equivalent facilitation or comply with the requirements to the maximum extent feasible. The details of the finding that full compliance with the requirements is technically infeasible shall be recorded and entered into the files of the enforcing agency.
3. Residential dwelling units not required to be accessible in compliance with this code shall not be required to comply with Section 11B-202.3.

11B-202.3.1 Prohibited reduction in access. An alteration that decreases or has the effect of decreasing the accessibility of a building or facility below the requirements for new construction at the time of the alteration is prohibited.

11B-202.3.2 Extent of application. An alteration of an existing element, space, or area of a building or facility shall not impose a requirement for accessibility greater than required for new construction.

11B-202.3.3 Alteration of single elements. If alterations of single elements, when considered together, amount to an alteration of a room or space in a building or facility, the entire room or space shall be made accessible.

11B-202.4 Path of travel requirements in alterations, additions and structural repairs. When alterations or additions are made to existing buildings or facilities, an accessible path of travel to the specific area of alteration or addition shall be provided. The primary accessible path of travel shall include:

1. A primary entrance to the building or facility,
2. Toilet and bathing facilities serving the area,
3. Drinking fountains serving the area,
4. Public telephones serving the area, and
5. Signs.

Exceptions:

1. Residential dwelling units shall comply with Section 11B-233.3.4.2.
2. If the following elements of a path of travel have been constructed or altered in compliance with the accessibility requirements of the immediately preceding edition of the California Building Code, it shall not be required to retrofit such elements to reflect the incremental changes in this code solely because of an alteration to an area served by those elements of the path of travel:
   1. A primary entrance to the building or facility,
   2. Toilet and bathing facilities serving the area,
   3. Drinking fountains serving the area,
   4. Public telephones serving the area, and
   5. Signs.
3. Additions or alterations to meet accessibility requirements consisting of one or more of the following items shall be limited to the actual scope of work of the project and shall not be required to comply with Section 11B-202.4:
   1. Altering one building entrance.
   2. Altering one existing toilet facility.
   3. Altering existing elevators.
   4. Altering existing steps.
   5. Altering existing handrails.
4. Alterations solely for the purpose of barrier removal undertaken pursuant to the requirements of the Americans with Disabilities Act (Public Law 101- 336, 28 C.P.R., Section 36.304) or the accessibility requirements of this code as those requirements or regulations now exist or are hereafter amended consisting of one or more of the following items shall be limited to the actual scope of work of the project and shall not be required to comply with Section 11B-202.4:
   1. Installing ramps.
   2. Making curb cuts in sidewalks and entrance.
   3. Repositioning shelves.
   4. Rearranging tables, chairs, vending machines, display racks, and other furniture.
   5. Repositioning telephones.
   6. Adding raised markings on elevator control buttons.
   7. Installing flashing alarm lights.
   8. Widening doors.
   9. Installing offset hinges to widen doorways.
   10. Eliminating a turnstile or providing an alternative accessible route.
   11. Installing accessible door hardware.
   12. Installing grab bars in toilet stalls.
   13. Rearranging toilet partitions to increase maneuvering space.
   14. Insulating lavatory pipes under sinks to prevent burns.
   15. Installing a raised toilet seat.
   16. Installing a full-length bathroom mirror.
   17. Repositioning the paper towel dispenser in a bathroom.
   18. Creating designated accessible parking spaces.
   19. Removing high-pi/e, low-density carpeting.
5. Alterations of existing parking lots by resurfacing and/or restriping shall be limited to the actual scope of work of the project and shall not be required to comply with Section 11B-202.4.
6. The addition or replacement of signs and/or identification devices shall be limited to the actual scope of work of the project and shall not be required to comply with Section 11B-202.4.
7. Projects consisting only of heating, ventilation, air conditioning, reroofing, electrical work not involving placement of switches and receptacles, cosmetic work that does not affect items regulated by this 2013 CALIFORNIA BUILDING CODE code, such as painting, equipment not considered to be a part of the architecture of the building or area, such as computer terminals and office equipment shall not be required to comply with Section 11B-202.4 unless they affect the usability of the building or facility.
8. When the adjusted construction cost is less than or equal to the current valuation threshold, as defined in Chapter 2, Section 202, the cost of compliance with Section 11B-202.4 shall be limited to 20 percent of the adjusted construction cost of alterations, structural repairs or additions. When the cost of full compliance with Section 11 B-202.4 would exceed 20 percent, compliance shall be provided to the greatest extent possible without exceeding 20 percent. When the adjusted construction cost exceeds the current valuation threshold, as defined in Chapter 2, Section 202, and the enforcing agency determines the cost of compliance with Section 11B-202.4 is an unreasonable hardship, as defined in Chapter 2, Section 202, full compliance with Section 11B-202.4 shall not be required. Compliance shall be provided by equivalent facilitation or to the greatest extent possible without creating an unreasonable hardship; but in no case shall the cost of compliance be less than 20 percent of the adjusted construction cost of alterations, structural repairs or additions. The details of the finding of unreasonable hardship shall be recorded and entered into the files of the enforcing agency and shall be subject to Chapter 1, Section 1.9.1.5, Special Conditions for Persons with Disabilities Requiring Appeals Action Ratification. For the purposes of this exception, the adjusted construction cost of alterations, structural repairs or additions shall not include the cost of alterations to path of travel elements required to comply with Section 11B-202.4. In choosing which accessible elements to provide, priority should be given to those elements that will provide the greatest access in the following order:
   1. An accessible entrance;
   2. An accessible route to the altered area;
   3. At least one accessible restroom for each sex;
   4. Accessible telephones;
   5. Accessible drinking fountains; and
   6. When possible, additional accessible elements such as parking, storage and alarms If an area has been altered without providing an accessible path of travel to that area, and subsequent alterations of that area or a different area on the same path of travel are undertaken within three years of the original alteration, the total cost of alterations to the areas on that path of travel during the preceding three-year period shall be considered in determining whether the cost of making that path of travel accessible is disproportionate.
9. Certain types of privately funded, multistory buildings and facilities were formerly exempt from accessibility requirements above and below the first floor under this code, but as of April 1, 1994 are no longer exempt due to more restrictive provisions in the federal Americans with Disabilities Act. In alteration projects involving buildings and facilities previously approved and built without elevators, areas above and below the ground floor are subject to the 20-percent disproportionately provisions described in Exception 8, above, even if the value of the project exceeds the valuation threshold in Exception 8. The types of buildings and facilities are:
   1. Office buildings and passenger vehicle service stations of three stories or more and 3,000 or more square feet per floor.
   2. Offices of physicians and surgeons.
   3. Shopping centers.
   4. Other buildings and facilities three stories or more and 3,000 or more square feet per floor if a reasonable portion of services sought and used by the public is available on the accessible level. For the general privately funded multistory building exception applicable to new construction and alterations, see Section 11B-206.2.3, Exception 1. The elevator exception set forth in this section does not obviate or limit in any way the obligation to comply with the other accessibility requirements in this code. For example, floors above or below the accessible ground floor must meet the requirements of this section except for elevator service. If toilet or bathing facilities are provided on a level not served by an elevator, then toilet or bathing facilities must be provided on the accessible ground floor.

11B-203 General exceptions

11B-203.1 General. Sites, buildings, facilities, and elements are exempt from these requirements to the extent specified by 11B-203.

11B-203.9 Employee work areas. Spaces and elements within employee work areas shall only be required to comply with Sections 11B-206.2.8, 11B-207.1, and 11B-215.3 and shall be designed and constructed so that individuals with disabilities can approach, enter, and exit the employee work area.

11B-205 Operable parts

11B-205.1 General. Operable parts on accessible elements, accessible routes, and in accessible rooms and spaces shall comply with *Section 11B-309.*

Exceptions:

1. Operable parts that are intended for use only by service or maintenance personnel shall not be required to comply with *Section 11B-309.*
2. Electrical or communication receptacles serving a dedicated use shall not be required to comply with *Section 11B-309.*
3. *Reserved.*
4. Floor electrical receptacles shall not be required to comply with *Section 11B-309.*
5. HVAC diffusers shall not be required to comply with *Section 11B-309.*
6. Except for light switches, where redundant controls are provided for a single element, one control in each space shall not be required to comply with *Section* 11 *B-309.*
7. Cleats and other boat securement devices shall not be required to comply with *Section 11B-309.3.*
8. Exercise machines and exercise equipment shall not be required to comply with *Section 11B-309.*

11B-206 Accessible routes

11B-206.1 General. Accessible routes shall be provided in accordance with *Section* 11 *B*-206 and shall comply with *Division* 4.

11B-206.2 Where required. Accessible routes shall be provided where required by *Section* 11*B-206.2.*

11B-206.2.1 Site arrival points. At least one accessible route shall be provided within the site from accessible parking spaces and accessible passenger loading zones; public streets and sidewalks; and public transportation stops to the accessible building or facility entrance they serve. *Where more than one route is provided, all routes must be accessible.*

Exceptions:

1. *Reserved.*
2. An accessible route shall not be required between site arrival points and the building or facility entrance if the only means of access between them is a vehicular way not providing pedestrian access.
3. *General circulation paths shall be permitted when located in close proximity to an accessible route.*

11B-206.2.2 Within a site. At least one accessible route shall connect accessible buildings, accessible facilities, accessible elements, and accessible spaces that are on the same site.

Exception: An accessible route shall not be required between accessible buildings, accessible facilities, accessible elements, and accessible spaces if the only means of access between them is a vehicular way not providing pedestrian access.

11B-206.2.6. Restaurants, cafeterias, banquet facilities and bars. In restaurants, cafeterias, banquet facilities, bars, and similar facilities, an accessible route shall be provided to all functional areas, including raised or sunken areas, and outdoor areas.

Exceptions:

1. In alterations of buildings or facilities not required to provide an accessible route between stories, an accessible route shall not be required to a mezzanine dining area where the mezzanine contains less than 25 percent of the total combined area for seating and dining and where the same decor and services are provided in the accessible area.
2. Reserved.
3. In sports facilities, tiered dining areas providing seating required to comply with Section 11B-221 shall be required to have accessible routes serving at least 25 percent of the dining area provided that accessible routes serve seating complying with Section 11B-221 and each tier is provided with the same services.

11B-206.2.6 Performance areas. Where a circulation path directly connects a performance area to an assembly seating area, an accessible route shall directly connect the assembly seating area with the performance area. An accessible route shall be provided from performance areas to ancillary areas or facilities used by performers unless exempted by Section 11B-206.2.3 Exceptions 1 through 7.

11B-206.2.8 Employee work areas. Common use circulation paths within employee work areas shall comply with *Section* 11*B-402.*

Exceptions:

1. *Reserved.*
2. Common use circulation paths located within employee work areas that are an integral component of work area equipment shall not be required to comply with *Section* 11*B-402.*
3. Common use circulation paths located within exterior employee work areas that are fully exposed to the weather shall not be required to comply with *Section* 11*B-402.*

11B-220.2 Point-of-sale devices.

Where point-of-sale devices are provided, all devices at each location shall comply with Sections 11B-309.4, 11B-707.3, and 11B-707.7.2. In addition, point-of-sale systems that include a video touch screen or any other non-tactile keypad shall comply with either Section 11B-707.9.1.1 or 11B-707.9.1.2. Where point-of-sale devices are provided at check stands and sales and service counters, they shall comply with Section 11B-707.9.1, and shall also comply with Sections 11 B-707.2, 11 B-707.3 and 11 B-707.4.

11B-226 Dining surfaces and work surfaces

11B-226.1 General. Where dining surfaces are provided for the consumption of food or drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with Section 11B-902. In addition, where work surfaces are provided for use by other than employees, at least 5 percent shall comply with Section 11B-902.

Exceptions:

1. Sales counters and service counters shall not be required to comply with Section 11 B-902. See Section 11B-227.
2. Check writing surfaces provided at check-out aisles not required to comply with Section 11B-904.3 shall not be required to comply with Section 11B-902.

11B-226.2 Dispersion. Dining surfaces required to comply with Section 11B-902 shall be dispersed throughout the space or facility containing dining surfaces for each type of seating in a functional area. Work surfaces required to comply with Section 11B-92 shall be dispersed throughout the space or facility containing work surfaces.

11B-226.3 Dining surfaces exceeding 34 inches in height. Where food or drink is served for consumption at a counter exceeding 34 inches (864 mm) in height, a portion of the main counter 60 inches (1525 mm) minimum in length shall be provided in compliance with Section 11B-902.3.

11B-227 Sales and service

11B-227.1 General. Where provided, check-out aisles, sales counters, service counters, food service lines, queues, and waiting lines shall comply with Sections 11B-227 and 11B-904.

11B-227.2 Check-out aisles. Where check-out aisles are provided,check-out aisles complying with Section 11B-904.3 shall be provided in accordance with Table 11B-227.2. Where check-out aisles serve different functions, check-out aisles complying with Section 11B-904.3 shall be provided in accordance with Table 11B-227.2 for each function. Where check-out aisles are dispersed throughout the building or facility, check-out aisles complying with Section IIB-904.3 shall be dispersed. When check-out aisles are open for customer use, a minimum of one accessible check-out aisle shall always be available. As check-out aisles are opened and closed based on fluctuating customer levels, the number of accessible check-out aisles available shall comply with Table 11B-227.2. When not all check-out aisles are accessible, accessible check-out aisles shall be identified by a sign complying with Section 11B-904.3.4.

Exception: In existing buildings, where the selling space is under 5000 square feet no more than one check-out aisle complying with Section 11B-904.3 shall be required.

11B-227.2.1 Altered check-out aisles. Where check-out aisles are altered, at least one of each check-out aisle serving each function shall comply with Section 11B-904.3 until the number of check-out aisles complies with Section 11B-227.2.

11B-227.3 Counters. Where provided, at least one of each type of sales counter and service counter shall comply with Section 11B-904.4. Where counters are dispersed throughout the building or facility, counters complying with Section 11B-904.4 also shall be dispersed.

11B-227.4 Food service lines. Food service lines shall comply with Section 11B-904.5. Where self-service shelves are provided, at least 50 percent, but no fewer than one, of each type provided shall comply with Section 11B-308.

11B-227.5 Queues and waiting lines. Queues and waiting lines servicing counters or check-out aisles required to comply with Sections I1B-904.3 or 11B-904.4 shall comply with Section 11 B-403.

DIVISION 3: BUILDING BLOCKS

11B-302 Floor or ground surfaces

11B-302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with Section 11B-302.

Exceptions:

1. Within animal containment areas, floor and ground surfaces shall not be required to be stable, firm, and slip resistant.

11B-302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, level cut/uncut pile texture. Pile height shall be 1/2 inch (12.7 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edge. Carpet edge trim shall comply with Section 118-303.

11 B-302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (12.7mm) diameter except as allowed in Sections 11B-407.4.3, 11B-409.4.3, 11B-410.4, 11B-810.5.3 and 11B-810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

11B-303 Changes in level

11B-303.1 General. Where changes in level are permitted in floor or ground surfaces, they shall comply with Section 11B-303.

11B-303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical and without edge treatment.

11B-303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (12.7 mm) high maximum shall be beveled with a slope not steeper than 1:2.

11B-303.4 Ramps. Changes in level greater than 1/2 inch (12.7 mm) high shall be ramped, and shall comply with Section 11B-405 or 11B-406.

11B-304 Turning space

11B-304.1 General. Turning space shall comply with Section 11B-304.

11B-304.2 Floor or ground surfaces. Floor or ground surfaces of a turning space shall comply with Section 11B-302. Changes in level are not permitted.

Exception: Slopes not steeper than 1 :48 shall be permitted.

11B-304.3 Size. Turning space shall comply with Section 11B-304.3.1 or 11B-304.3.2.

11B-304.3.1 Circular space. The turning space shall be a space of 60 inches (1524 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with Section 11 B-306.

11B-304.3.2 T-Shaped space. The turning space shall be a T -shaped space within a 60 inch (1524 mm) square minimum with arms and base 36 inches (914 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with Section 11 B-306 only at the end of either the base or one arm.

11B-304.4 Door swing. Doors shall be permitted to swing into turning spaces.

11B-305 Clear floor or ground space

11B-305.1 General. Clear floor or ground space shall comply with Section 11B-305.

11B-305.2 Floor or ground surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with Section 11B-302. Changes in level are not permitted.

Exception: Slopes not steeper than 1 :48 shall be permitted.

11B-305.4 Knee and toe clearance. Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance complying with Section 11B-306.

11B-305.5 Position. Unless otherwise specified, clear floor or ground space shall be positioned for either forward or parallel approach to an element. 11B-305.6 Approach. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space.

11B-305.7 Maneuvering clearance. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall be provided in accordance with Sections 11B-305.7.1 and 11B-305.7.2.

11B-305.7.1 Forward approach. Alcoves shall be 36 inches (914 mm) wide minimum where the depth exceeds 24 inches (610 mm).

11B-305.7.2 Parallel approach. Alcoves shall be 60 inches (1524 mm) wide minimum where the depth exceeds 15 inches (381 mm).

11B-306 Knee and toe clearance

11B-306.1 General. Where space beneath an element is included as part of clear floor or ground space or turning space, the space shall comply with Section 11B-306. Additional space shall not be prohibited beneath an element but shall not be considered as part of the clear floor or ground space or turning space.

11B-306.2 Toe clearance

11B-306.2.1 General. Space under an element between the finish floor or ground and 9 inches (229 mm) above the finish floor or ground shall be considered toe clearance and shall comply with Section 11B-306.2.

11B-306.2.2 Maximum depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

Exception: Toe clearance shall extend 19 inches (483 mm) maximum under lavatories required to be accessible by Section 11B-213.3.4.

11B-306.2.3 Minimum required depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (432 mm) minimum under the element.

Exceptions:

1. The toe clearance shall extend 19 inches (483mm) minimum under sinks required to be accessible by Section 11B-212.3.
2. The toe clearance shall extend 19 inches (483mm) minimum under built-in dining and work surfaces required to be accessible by Section 11B-226.1.

11B-306.2.4 Additional clearance. Space extending greater than 6 inches (152 mm) beyond the available knee clearance at 9 inches (229 mm) above the finish floor or ground shall not be considered toe clearance.

11B-306.2.5 Width. Toe clearance shall be 30 inches (762mm) wide minimum.

11B-306.3 Knee clearance.

11B-306.3.1 General. Space under an element between 9 inches (229 mm) and 27 inches (686 mm) above the finish floor or ground shall be considered knee clearance and shall comply with Section 11B-306.3.

Exception: At lavatories required to be accessible by Section 11B-213.3.4, space between 9 inches (229 mm) and 29 inches (737 mm) above the finish floor or ground, shall be considered knee clearance.

11B-306.3.2 Maximum depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (229 mm) above the finish floor or ground.

11B-306.3.3 Minimum required depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (279mm) deep minimum at 9 inches (229 mm) above the finish floor or ground, and 8 inches (203 mm) deep minimum at 27 inches (686 mm) above the finish floor or ground.

Exceptions:

1. At lavatories required to be accessible by Section 11B-213.3.4, the knee clearance shall be 27 inches (686 mm) high minimum above the finish floor or ground at a depth of 8 inches (203 mm) minimum increasing to 29 inches (737 mm) high minimum above the finish floor or ground at the front edge of a counter with a built-in lavatory or at the front edge of a wall-mounted lavatory fixture.
2. At dining and work surfaces required to be accessible by Section 11B-226.1, knee clearance shall extend 19 inches (483 mm) deep minimum at 27 inches (686 mm) above the finish floor or ground.

11B-306.3.4 Clearance reduction. Between 9 inches (229 mm) and 27 inches (686 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of l inch (25 mm) in depth for each 6 inches (152mm) in height.

Exception: The knee clearance shall not be reduced at built-in dining and work surfaces required to be accessible by Section 11B-226.1.

11B-306.3.5 Width. Knee clearance shall be 30 inches (762 mm) wide minimum.

11B-307 Protruding objects

11B-307.1 General. Protruding objects shall comply with Section 11B-307.

11B-307.2 Protrusion limits. Objects with leading edges more than 27 inches (686 mm) and not more than 80 inches (2032 mm) above the finish floor or ground shall protrude 4 inches (102 mm) maximum horizontally into the circulation path.

Exception: Handrails shall be permitted to protrude 4½ inches (114 mm) maximum.

11B-307.3 Post-mounted objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (686 mm) minimum and 80 inches (2032 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (686 mm) maximum or 80 inches (2032 mm) minimum above the finish floor or ground.

Exception: The sloping portions of handrails serving stairs and ramps shall not be required to comply with Section 11B-307.3.

11B-307.3.1 Edges and corners. Where signs or other objects are mounted on posts or pylons, and their bottom edges are less than 80 inches (2032 mm) above the floor or ground surface, the edges of such signs and objects shall be rounded or eased and the corners shall have a minimum radius of 1/8 inch (3.2 mm).

11 B-307.4 Vertical clearance. Vertical clearance shall be 80 inches (2032 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2032 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (686 mm) maximum above the finish floor or ground. Where a guy support is used parallel to a circulation path, including but not limited to sidewalks, a guy brace, sidewalk guy or similar device shall be used to prevent an overhanging obstruction.

Exception: Door closers and door stops shall be permitted to be 78 inches (1981 mm) minimum above the finish floor or ground.

11B-307.5 Required clear width. Protruding objects shall not reduce the clear width required for accessible routes.

11B-308 Reach ranges

11B-308.1 General. Reach ranges shall comply with Section 11B-308.

11B-308.1.1 Electrical switches. Controls and switches intended to be used by the occupant of a room or area to control lighting and receptacle outlets, appliances or cooling, heating and ventilating equipment, shall comply with Section 11 B-308 except the low reach shall be measured to the bottom of the outlet box and the high reach shall be measured to the top of the outlet box.

11B-308.1.2 Electrical receptacle outlets. Electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles shall comply with Section 11B-308 except the low reach shall be measured to the bottom of the outlet box and the high reach shall be measured to the top of the outlet box.

11B-308.2 Forward reach.

11B-308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1219 mm) maximum and the low forward reach shall be 15 inches (381 mm) minimum above the finish floor or ground.

11B-308.2.2 Obstructed high reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1219 mm) maximum where the reach depth is 20 inches (508 mm) maximum. Where the reach depth exceeds 20 inches (508 mm), the high forward reach shall be 44 inches (1118 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

11B-308.3 Side reach.

11B-308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1219 mm) maximum and the low side reach shall be 15 inches (381 mm) minimum above the finish floor or ground.

Exceptions:

1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (254 mm) maximum.
2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1372 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

11B-308.3.2 Obstructed high reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (864 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1219 mm) maximum for a reach depth of 10 inches (254 mm) maximum. Where the reach depth exceeds 10 inches (254 mm), the high side reach shall be 46 inches (1168 mm) maximum for a reach depth of 24 inches (610 mm) maximum

Exceptions:

1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (914 mm) maximum above the finish floor.
2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1372 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

11B-309 Operable parts

11B-309.1 General. Operable parts shall comply with Section 11B-309.

11B-309.2 Clear floor space. A clear floor or ground space complying with Section 11B-305 shall be provided.

11B-309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 11B-308.

11B-309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

Exception: Gas pump nozzles shall not be required to provide operable parts that have an activating force of 5 pounds (22.2 N) maximum.

DIVISION 4: ACCESSIBLE ROUTES

11B-401 General

11B-401.1 Scope. The provisions of *Division* 4 shall apply where required by *Division* 2 or where referenced by a requirement in this *chapter.*

11B-402 Accessible routes

11B-402.1 General. Accessible routes shall comply with *11B-402.*

11B-402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1 :20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of *Division 4.*

11B-403 Walking surfaces

11B-403.1 General. Walking surfaces that are a part of an accessible route shall comply with *Section* 11*B-403.*

11 B-403.2 Floor or ground surface. Floor or ground surfaces shall comply with *Section* 11*B-302.*

11B-403.3 ***Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.***

Exception: The running slope of sidewalks shall not exceed the general grade established for the adjacent street or highway.

11B-403.4 Changes in level. Changes in level shall comply with *Section 11B-303.*

11B-403.5 Clearances. Walking surfaces shall provide clearances complying with *Section* 11 *B-403.5.* Exception: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

11B-403.5.1 Clear width. Except as provided in *Sections 11B-403.5.2* and *11B-403.5.3,* the clear width of walking surfaces shall be 36 inches (914 mm) minimum.

Exceptions:

1. The clear width shall be permitted to be reduced to 32 inches (813 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1219 mm) long minimum and 36 inches (914 mm) wide minimum.
2. *The clear width for walking surfaces in corridors serving an occupant load of 10 or more shall be 44 inches* (1118 *mm) minimum.*
3. *The clear width for sidewalks and walks shall be 48 inches* (1219 *mm) minimum. When, because of right-of-way restrictions, natural barriers or other existing conditions, the enforcing agency determines that compliance with the 48-inch (1219 mm) clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to* 36 *inches (914 mm).*
4. *The clear width for aisles shall be 36 inches (914 mm) minimum* if *serving elements on only one side, and 44 inches* (1118 *mm) minimum if serving elements on both sides.*

11B-403.5.2 Clear width at turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1219 mm) wide, clear width shall be 42 inches *(1067* mm) minimum approaching the turn, 48inches (1219 mm) minimum at the turn and 42 inches *(1067* mm) minimum leaving the turn. Exception: Where the clear width at the turn is 60 inches (1524 mm) minimum compliance with *Section 11B-403.5.2* shall not be required.

11B-403.5.3 Passing spaces. An accessible route with a clear width less than 60 inches (1524 mm) shall provide passing spaces at intervals of 200 feet *(60,960 mm)* maximum. Passing spaces shall be either: a space 60 inches (1524 mm) minimum by 60 inches (1524 mm) minimum; or, an intersection of two walking surfaces providing a T-shaped space complying with *Section 11B-304.3.2* where the base and arms of the T -shaped space extend 48 inches (1219 mm) minimum beyond the intersection.

11B-403.6 Handrails. Where handrails are provided along walking surfaces with running slopes not steeper than 1:20 they shall comply with *Section 11B-505.*

11B-403.7 *Continuous gradient. All walks with continuous gradients shall have resting areas, 60 inches* (1524 *mm) in length, at intervals of 400 feet (121,920 mm) maximum. The resting area shall be at least as wide as the walk. The slope of the resting area in all directions shall be* 1 *:48 maximum.*

11B-404 Doors, doorways, and gates

11B-404.1 General. Doors, doorways, and gates that are part of an accessible route shall comply with Section 11 B-404.

11B-404.2 Manual doors, doorways, and manual gates

Manual doors and doorways and manual gates intended for user passage shall comply with Section 11 B-404.2.

11B-404.2.1 Revolving doors, gates, and turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

11B-404.2.2 Double-leaf doors and gates. At least one of the active leaves of doorways with two leaves shall comply with Sections 11B-404.2.3 and 11B-404.2.4.

11 B-404.2.3 Clear width. Door openings shall provide a clear width of 32 inches (813 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (914 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (864 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (864 mm) and 80 inches (2032 mm) above the finish floor or ground shall not exceed 4 inches (102 mm).

Exceptions:

1. In alterations, a projection of 5/8 inch (15.9 mm) maximum into the required clear width shall be permitted for the latch side stop.
2. Door closers and door stops shall be permitted to be 78 inches (1981 mm) minimum above the finish floor or ground.
3. Doors, doorways, and gates not providing full user passage shall provide a clear width of 20 inches (510 mm) minimum.

11B-404.2.4 Maneuvering clearances. Minimum maneuvering clearances at doors and gates shall comply with Section 11B-404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.

11B-404.2.4.1 Swinging doors and gates. Swinging doors and gates shall have maneuvering clearances complying with Table 11B-404.2.4.1.

11B-404.2.4.4 Floor or ground surface. Floor or ground surface within required maneuvering clearances shall comply with *Section 11B-302.* Changes in level are not permitted.

Exceptions:

1. Slopes not steeper than 1:48 shall be permitted.
2. Changes in level at thresholds complying with *Section* 11*B-404.2.5* shall be permitted.

11B-404.2.5 Thresholds. Thresholds, if provided at doorways, shall be 1/2 inch (12.7 mm) high maximum. Raised thresholds and changes in level at doorways shall comply with *Sections* 11*B-302* and 11*B-303.*

11B-404.2.7 Door and gate hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with *Section 11B-309.4.* Operable parts of such hardware shall be 34 inches (864 mm) minimum and *44 inches* (1118 *mm)* maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

11B-404.2.8 Closing speed. Door and gate closing speed shall comply with *Section 11B-404.2.8.*

11B-404.2.8.1 Door closers and gate closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

11B-404.2.8.2 Spring hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

11B-404.2.9 Door and gate opening force. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
3. *Required fire doors: the minimum opening force allowable by the appropriate administrative authority, not to exceed 15 pounds* (66.7 *N).*
4. *Exterior hinged doors: 5 pounds* (22.2 *N) maximum.* These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

11B-404.2.10 Door and gate surfaces. Swinging door and gate surfaces within 10 inches (254 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other and be free of sharp or abrasive edges. Cavities created by added kick plates shall be capped.

11B-707 Automatic teller machines, fare machines and point-of-sale devices

11B-707.1 General. Automatic teller machines, fare machines and point-of-sale devices shall comply with Section 11B-707.

11B-707.2 Clear floor or ground space. A clear floor or ground space complying with Section 11B-305 shall be provided.

Exception: Clear floor or ground space shall not be required at drive-up only automatic teller machines and fare machines.

11B-707.3 Operable parts. Operable parts shall comply with Section 11B-309. Unless a clear or correct key is provided, each operable part shall be able to be differentiated by sound or touch, without activation.

11B-707.4 Privacy. Automatic teller machines shall provide the opportunity for the same degree of privacy of input and output available to all individuals.

11B-707.7.2 Characters. Characters displayed on the screen shall be in a sans serif font. Characters shall be 3/16 inch (4.8 mm) high minimum based on the uppercase letter "I". Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

11B-707.9 *Point-of-sale devices. Point-of-sale devices shall comply with Section 11 B-707.9.*

11B-707.9.1 *General. Where point-of-sale devices are provided, all devices at each location shall comply with Sections 11B-309.4, 11B-707.3 and 11B-707.7.2. In addition, point-of-sale systems that include a video touch screen or any other non-tactile keypad shall be equipped with either of the following:*

11B-707.9.1.1 *Tactilely discernible numerical keypad. A tactilely discernible numerical keypad similar to a telephone keypad containing a raised dot with a dot base diameter between 1.5 mm and 1.6 mm and a height between 0.6 mm and 0.9 mm on the number 5 key that enables a visually impaired person to enter his or her own personal identification number or any other personal information necessary to process the transaction in a manner that provides the opportunity for the same degree of privacy input and output available to all individuals.*

11B-707.9.1.2 *Other technology. Other technology, such as a radio frequency identification device, fingerprint biometrics, or some other mechanism that enables a visually impaired person to access the video touch screen device with his or her personal identifier and to process his or her transaction in a manner that provides the opportunity for the same degree of privacy input and output available to all individuals. Where a video screen overlay is provided it shall be equipped with a tactilely discernible numerical keypad complying with Section 11B-707.9.1.1.*

11B-707.9.2 *Point-of-sale devices at check stands and sales or service counters. Where point-of-sale devices are provided at check stands and sales or service counters, they shall comply with Section 11B-707.9.1, and shall also comply with Sections 11B-707.2, 11B-707.3 and 11B-707.4.*

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PO Box 7586
3090 N. Lake Blvd. Suite 5
Tahoe City, CA 96145
530.412.1328, 530.318.0001
www.evolvedesignworks.com

stamp

PRELIMINARY NOT FOR CONSTRUCTION

project number	2016.041
drawn by BA	checked by BA

ISSUES & REVISIONS

no.	description	date
A	TCPUD REVIEW	2018.03.01
-	-	-

project location

PARK PLAYGROUND REBUILD

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA CALIFORNIA
EL DORADO COUNTY 015-035-02

description

CBC CHAPTER 11B ACCESSIBLE CODE NOTES

sheet

B2.1

DIVISION 9: BUILT-IN ELEMENTS

11B-901.1 Scope. The provisions of Division 9 shall apply where required by Division 2 or where referenced by a requirement in this chapter.

11B-902 Dining surfaces and work surfaces

11B-902.1 General. Dining surfaces and work surfaces shall comply with Sections 11B-902.2 and 11B-902.3.
Exception: Dining surfaces and work surfaces for children's use shall be permitted to comply with Section 11B-902.4.

11B-902.2 Clear floor or ground space. A clear floor space complying with Section 11B-305 positioned for a forward approach shall be provided. Knee and toe clearance complying with Section 11B-306

11B-902.3 Height. The tops of dining surfaces and work surfaces shall be 28 inches (711 mm) minimum and 34 inches (864 mm) maximum above the finish floor or ground.

11B-902.4 Dining surfaces and work surfaces for children's use. Accessible dining surfaces and work surfaces for children's use shall comply with Section 11B-902.4.
Exception: Dining surfaces and work surfaces that are used primarily by children 5 years and younger shall not be required to comply with Section 11B-902.4 where a clear floor or ground space complying with Section 11B-305 positioned for a parallel approach is provided.

11B-902.4.1 Clear floor or ground space. A clear floor space complying with Section 11B-305 positioned for forward approach shall be provided. Knee and toe clearance complying with Section 11B-306 shall be provided, except that knee clearance 24 inches (610 mm) minimum above the finish floor or ground shall be permitted.

11B-902.4.2 Height. The tops of tables and counters shall be 26 inches (660 mm) minimum and 30 inches (762 mm) maximum above the finish floor or ground.

11B-903 Benches

11B-903.1 General. Benches shall comply with Section 11B-903.

11B-903.2 Clear floor or ground space. Clear floor or ground space complying with Section 11B-305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.

11B-903.3 Size. Benches shall have seats that are 48 inches (1219 mm) long minimum and 20 inches (508 mm) deep minimum and 24 inches (610 mm) deep maximum.

11B-903.4 Back support. The bench shall provide for back support or shall be affixed to a wall along its long dimension. Back support shall be 48 inches (1219 mm) long minimum and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (457 mm) minimum above the seat surface. Back support shall be 2½ inches (64 mm) maximum from the rear edge of the seat measured horizontally.

11B-903.5 Height. The top of the bench seat surface shall be 17 inches (432 mm) minimum and 19 inches (483 mm) maximum above the finish floor or ground.

11B-903.6 Structural strength. Benches shall be affixed to the wall or floor. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

11B-903.7 Wet locations. Where installed in wet locations, the surface of the seat shall be slip resistant and shall not accumulate water.

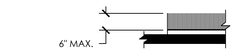


FIGURE 11B-302.2
CARPET PILE HEIGHT

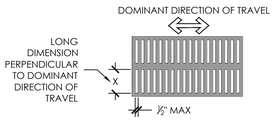


FIGURE 11B-302.3
ELONGATED OPENINGS IN FLOOR OR GROUND SURFACES

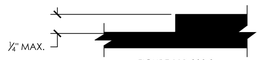


FIGURE 11B-303.2
VERTICAL CHANGES IN LEVEL

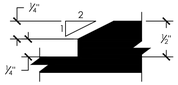


FIGURE 11B-303.3
BEVELED CHANGES IN LEVEL

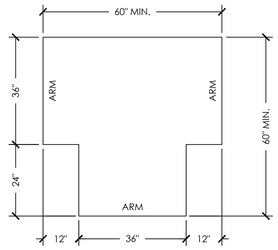


FIGURE 11B-304.3.2
T-SHAPED TURNING SPACE

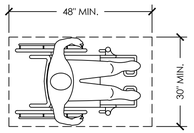
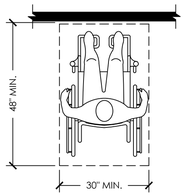
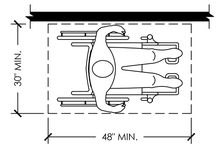


FIGURE 11B-305.3
CLEAR FLOOR OR GROUND SPACE



(A)
FORWARD



(B)
PARALLEL

FIGURE 11B-305.5
POSITION OF CLEAR FLOOR OR GROUND SPACE

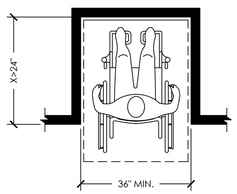


FIGURE 11B-305.7.1
MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

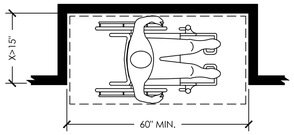
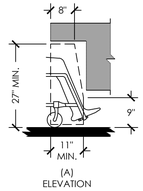


FIGURE 11B-305.7.2
MANEUVERING CLEARANCE IN AN ALCOVE, SIDE APPROACH



(A)
ELEVATION

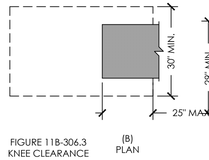
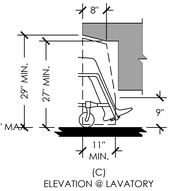
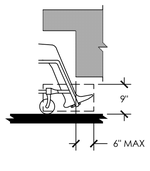


FIGURE 11B-306.3
KNEE CLEARANCE

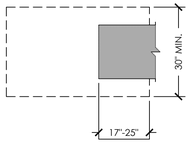
(B)
PLAN



(C)
ELEVATION @ LAVATORY



(A)
ELEVATION



(B)
PLAN

FIGURE 11B-306.2
TOE CLEARANCE

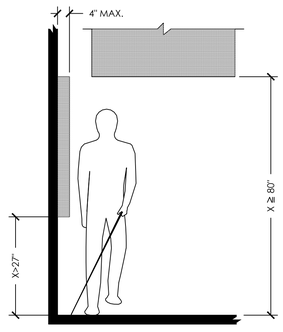
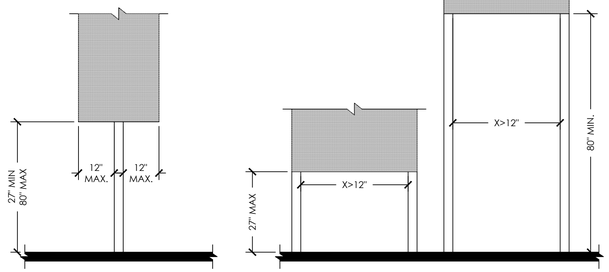


FIGURE 11B-307.2
LIMITS OF PROTRUDING OBJECTS



(A) (B)

FIGURE 11B-307.3
POST MOUNTED PROTRUDING OBJECTS

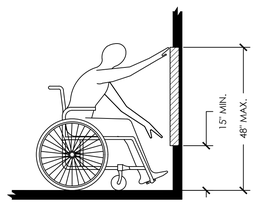


FIGURE 11B-308.2.1
UNOBSTRUCTED FORWARD REACH

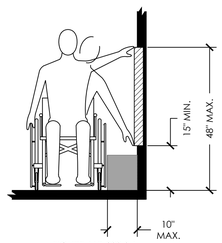
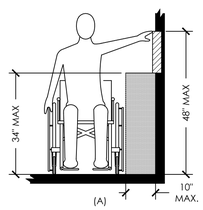
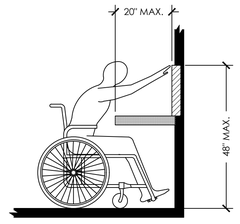


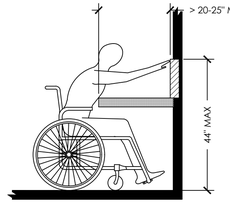
FIGURE 11B-308.3.1
UNOBSTRUCTED SIDE REACH



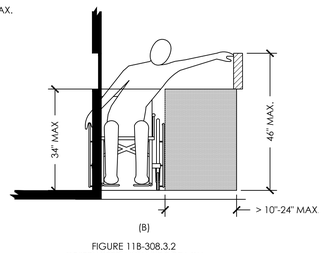
(A)
FIGURE 11B-308.3.2
OBSTRUCTED HIGH SIDE REACH



(A)
FIGURE 11B-308.2.2
OBSTRUCTED HIGH FORWARD REACH



(B)



(B)
FIGURE 11B-308.3.2
OBSTRUCTED HIGH SIDE REACH

evolve DESIGN WORKS
california
washington
alaska
PO Box 7586
3090 N. Lake Blvd. Suite 5
Tahoe City, CA 96145
530.412.1328, 530.318.0001
www.evolvedesignworks.com

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PRELIMINARY NOT FOR CONSTRUCTION

project number			2016.041
drawn by	BA	checked by	BA

ISSUES & REVISIONS

no.	description	date
A	TCPUD REVIEW	2018.03.01
-	-	-

project location

PARK PLAYGROUND REBUILD

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA CALIFORNIA
EL DORADO COUNTY 015-035-02

description

CBC CHAPTER 11B ACCESSIBLE CODE NOTES & FIGURES

sheet

B2.2

A 2016 CBC DIVISION CH. 11B DETAILS
SCALE: 1/2" = 1'-0"

11B-401 General

11B-401.1 Scope. The provisions of *Division* 4 shall apply where required by *Division* 2 or where referenced by a requirement in this *chapter.*

11B-402 Accessible routes

11B-402.1 General. Accessible routes shall comply with *11B-402.*

11B-402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1 :20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of *Division 4.*

11B-403 Walking surfaces

11B-403.1 General. Walking surfaces that are a part of an accessible route shall comply with *Section* 11*B-403.*

11 B-403.2 Floor or ground surfaces. Floor or ground surfaces shall comply with *Section* 11*B-302.*

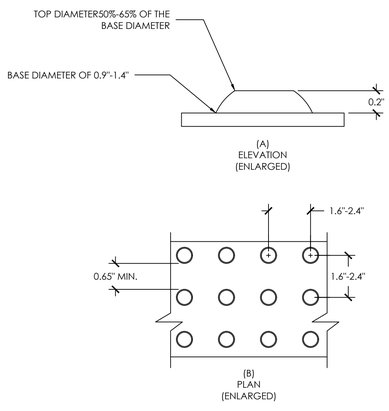
11B-403.3 *Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.*
Exception: The running slope of sidewalks shall not exceed the general grade established for the adjacent street or highway.

11B-403.4 Changes in level. Changes in level shall comply with *Section 11B-303.*

11B-403.5 Clearances. Walking surfaces shall provide clearances complying with *Section* 11 *B-403.5.* Exception: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

11B-403.5.1 Clear width. Except as provided in *Sections 11B-403.5.2* and *11B-403.5.3,* the clear width of walking surfaces shall be 36 inches (914 mm) minimum.
Exceptions:
1. The clear width shall be permitted to be reduced to 32 inches (813 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1219 mm) long minimum and 36 inches (914 mm) wide minimum.
2. The clear width for walking surfaces in corridors serving an occupant load of 10 or more shall be 44 inches (1118 *mm) minimum.*
3. The clear width for sidewalks and walks shall be 48 inches (1219 *mm) minimum. When, because of right-of-way restrictions, natural barriers or other existing conditions, the enforcing agency determines that compliance with the 48-inch (1219 mm) clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to 36 inches* (914 *mm).*
4. The clear width for aisles shall be 36 inches (914 mm) minimum If serving elements on only one side, and 44 *inches* (1118 *mm) minimum if serving elements on both sides.*

1 ACCESSIBLE ROUTE CODE NOTES
SCALE: 1/2" = 1'-0"



11B-247 *Detectable warnings and detectable directional texture*

11B-247.1 *Detectable warnings.*

11B-247.1.1 *General. Detectable warnings shall be provided in accordance with Section 11B-247.1 and shall comply with Section* 11 *B-705.1.*

11B-247.1.2 *Where required. Detectable warnings shall be provided where required by Section* 11 *B-247.1.2.*

11B-247.1.2.5 *Hazardous vehicular areas. If a walk crosses or adjoins a vehicular way, and the walking surfaces are not separated by curbs, railings or other elements between the pedestrian areas and vehicular areas, the boundary between the areas shall be defined by a continuous detectable warning complying with Sections 11B-705.1.1 and 11B-705.1.2.5.*

11B-705.1.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with *Section* 11*B-705.*

11B-705.1.1.1 Dome size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (22.9 *mm)* minimum and *0.92 inch (23.4 mm)* maximum, a top diameter of *0.45 inch* (11.4 *mm) minimum and 0.47 inch* (11.9 *mm) maximum,* and a height of *0.18 inch* (4.6 *mm) minimum and 0.22 inch (5.6 mm) maximum. 11B-705.1.1.2* Dome spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 2.3 *inches* (58 *mm)* minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.65 inch (16.5 mm) minimum, measured between the most adjacent domes on a square grid. *Exception: Where installed in a radial pattern, truncated domes shall have a center-to-center spacing of 1.6 inches* (41 *mm) minimum to* 2.4 *inches* (61 *mm) maximum.*

11B-705.1.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light. *The material used to provide contrast shall be an integral part of the surface. Contrast shall be determined by: Contrast = [(Bl-B2)/B1J x 100 percent where B1 = light reflectance value (LRV) of the lighter area and B2 = light reflectance value (LRV) of the darker area.*
Exception: Where the detectable warning surface does not adequately contrast with adjacent surfaces, a 1 *inch* (25 *mm) wide black strip shall separate yellow detectable warning from adjacent surfaces.*

11B-705. 1. 1.4 *Resiliency. Detectable warning surfaces shall differ from adjoining surfaces in resiliency or sound-on-cane contact.*
Exception: Detectable warning surfaces at curb ramps, islands or cut-through medians shall not be required to comply with Section 11 *B-705.1.1.4.*

11B-705.1.1.5 *Color. Detectable warning surfaces shall be yellow conforming to FS* 33538 *of Federal Standard 595C.*
Exception: Detectable warning surfaces at curb ramps, islands or cut-through medians shall not be required to comply with Section 11B-705.1.1.5.

11B-705.1.2 *Locations. Detectable warnings at the following locations shall comply with Section* 11B-705.1.

11B-705.1.2.5 *Hazardous vehicular areas. Detectable warnings at hazardous vehicular areas shall be 36 inches* (914 *mm) in width.*

2 DETECTABLE WARNING, TRUNCATED DOMES
SCALE: 1/2" = 1'-0"

11B-504 Stairways

11B-504.1 General. Stairs shall comply with Section 11B-504.

11B-504.2 Treads and risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (102 mm) high minimum and 7 inches (178 mm) high maximum. Treads shall be 11 inches (279 mm) deep minimum.

11B-504.3 Open risers. Open risers are not permitted.
Exceptions:
1. On exterior stairways, an opening of not more than ½ inch (12.7 mm) may be permitted between the base of the riser and the tread.
2. On exterior stairways, risers constructed of grating containing openings of not more than ½ inch (12.7 mm) may be permitted.

11B-504.4 Tread surface. Stair treads shall comply with Section 11B-302. Changes in level are not permitted.
Exception: Treads shall be permitted to have a slope not steeper than 1:48.

11B-504.4.1 Contrasting stripe. Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast. Exterior stairs shall have the upper approach and all treads marked by a stripe providing clear visual contrast. The stripe shall be a minimum of 2 inches (51 mm) wide to a maximum of 4 inches (102 mm) wide placed parallel to, and not more than 1 inch (25 mm) from, the nose of the step or upper approach. The stripe shall extend the full width of the step or upper approach and shall be of material that is at least as slip resistant as the other treads of the stair. A painted stripe shall be acceptable. Grooves shall not be used to satisfy this requirement.

11B-504.5 Nosings. The radius of curvature at the leading edge of the tread shall be ½ inch (12.7 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1¼ inches (32 mm) maximum over the tread below. Exception: In existing buildings there is no requirement to retroactively alter existing nosing projections of 1½ inches (38 mm) which were constructed in compliance with the building code in effect at the time of original construction.

11B-504.6 Handrails. Stairs shall have handrails complying with Section 11B-505.

11B-504.7 Wet conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

11B-504.8 Floor identification. Floor identification signs required by Chapter 10, Section 1022.9 complying with Sections 11B-703.1, 11B-703.2, 11B-703.3 and 11B-703.5 shall be located at the landing of each floor level, placed adjacent to the door on the latch side, in all enclosed stairways in buildings two or more stories in height to identify the floor level. At the exit discharge level, the sign shall include a raised five pointed star located to the left of the identifying floor level. The outside diameter of the star shall be the same as the height of the raised characters.

11B-505 Handrails

11B-505.1 General. Handrails provided along walking surfaces complying with Section 11B-403, required at ramps complying with Section 11B-405, and required at stairs complying with Section 11B-504 shall comply with Section 11B-505.

11B-505.2 Where required. Handrails shall be provided on both sides of stairs and ramps.
Exceptions:
1. In assembly areas, handrails shall not be required on both sides of aisle ramps where a handrail is provided at either side or within the aisle width.
2. Curb ramps do not require handrails.
3. At door landings, handrails are not required when the ramp run is less than 6 inches (152 mm) in rise or 72 inches (1829 mm) in length.

11B-505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.
Exception: In assembly areas, ramp handrails adjacent to seating or within the aisle width shall not be required to be continuous in aisles serving seating.

11B-505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (864 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

11B-505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1½ inches (38 mm) minimum. Handrails may be located in a recess if the recess is 3 inches (76 mm) maximum deep and 18 inches (457 mm) minimum clear above the top of the handrail.

11B-505.6 Gripping surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their taps or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1½ inches (38 mm) minimum below the bottom of the handrail gripping surface.
Exceptions:
1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards.
2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by ⅛ inch (3.2 mm) for each ½ inch (12.7 mm) of additional handrail perimeter dimension that exceeds 4 inches (102 mm).

11B-505.7 Cross section. Handrail gripping surfaces shall have a cross section complying with Section 11B-505.7.1 or 11B-505.7.2.

11B-505.7.1 Circular cross section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1¼ inches (32 mm) minimum and 2 inches (51 mm) maximum.

11B-505.7.2 Non-circular cross sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (102 mm) minimum and 6¼ inches (159 mm) maximum, and a cross-section dimension of 2¼ inches (57 mm) maximum.

11B-505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

11B-505.9 Fittings. Handrails shall not rotate within their fittings.

11B-505.10 Handrail extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with Section 11B-505.10.
Exceptions:
1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps.
2. In assembly areas, extensions shall not be required for ramp handrails in aisles serving seating where the handrails are discontinuous to provide access to seating and to permit crossovers within aisles.
3. In alterations, where the extension of the handrail in the direction of ramp run would create a hazard, the extension of the handrail may be turned 90 degrees from the ramp run.

11B-505.10.1 Top and bottom extension at ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

11B-505.10.2 Top extension at stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

11B-505.10.3 Bottom extension at stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the last riser nosing. The horizontal extension of a handrail shall be 12 inches (305 mm) long minimum and a height equal to that of the sloping portion of the handrail as measured above the stair nosings. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

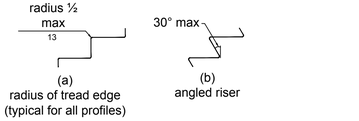


FIGURE 11B-504.5
STAIR NOSINGS

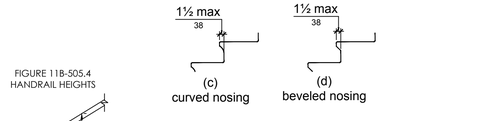
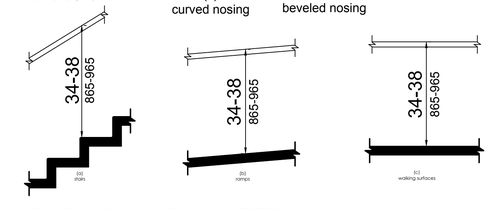


FIGURE 11B-505.4
HANDRAIL HEIGHTS



3 STAIR AND HANDRAIL NOTES
SCALE: 1/2" = 1'-0"

FIGURE 11B-505.5
HANDRAIL CLEARANCE

FIGURE 11B-505.6
HANDRAIL CLEARANCE

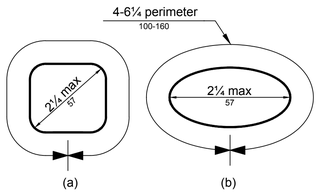


FIGURE 11B-505.7.2
HANDRAIL NON-CIRCULAR CROSS SECTION

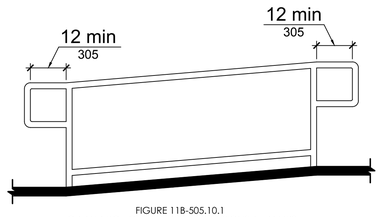


FIGURE 11B-505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

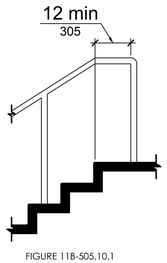


FIGURE 11B-505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

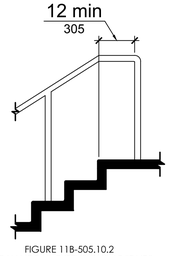


FIGURE 11B-505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

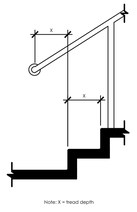


FIGURE 11B-505.10.3
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

Section 1015 Guards

1015.1 General. Guards shall comply with the provisions of Sections 1015.2 through 1015.6. Operable windows with sills located more than 72 inches (1829 mm) above finished grade or other surface below shall comply with Section 1015.7.

1015.2 Where required. Guards shall be located along open sided walking surfaces, including mezzanines, equipment platforms, aisles, stairs, ramps and landings that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Guards shall be adequate in strength and attachment in accordance with Section 1607.8.
1015.2.1 Glazing. Where glass is used to provide a guard or as a portion of the guard system, the guard shall comply with Section 2407. Where the glazing provided does not meet the strength and attachment requirements of Section 1607.8, complying guards shall be located along glazed sides of open-sided walking surfaces.

1015.3 Height. Required guards shall be not less than 42 inches (1067 mm) high, measured vertically as follows:
1. From the adjacent walking surfaces.
2. On stairways and stepped aisles, from the line connecting the leading edges of the tread nosings.
3. On ramps and ramped aisles, from the ramp surface at the guard.

1015.4 Opening limitations. Required guards shall not have openings which allow passage of a sphere 4 inches (102 mm) in diameter from the walking surface to the required guard height.
Exceptions:
1. From a height of 36 inches (914 mm) to 42 inches (1067 mm), guards shall not have openings that allow passage of a sphere 4 inches (111 mm) in diameter.
2. The triangular openings at the open sides of a stair, formed by the riser, tread and bottom rail shall not allow passage of a sphere 6 inches (152 mm) in diameter.
3. At elevated walking surfaces for access to and use of electrical, mechanical or plumbing systems or equipment, guards shall not have openings which allow passage of a sphere 21 inches (533 mm) in diameter.
4. In areas that are not open to the public within occupancies in Group 1-3, F, H or S, and for alternating tread devices and ship ladders, guards shall not have openings which allow passage of a sphere 21 inches (533 mm) in diameter.
5. In assembly seating areas, guards required at the end of aisles in accordance with Section 1029.16.4 shall not have openings that allow passage of a sphere 4 inches (102 mm) in diameter up to a height of 26 inches (660 mm). From a height of 26 inches (660 mm) to 42 inches (1067 mm) above the adjacent walking surfaces, guards shall not have openings that allow passage of a sphere 8 inches (203 mm) in diameter.
6. Within individual dwelling units and sleeping units in Group R-2 and R-3 occupancies, guards on the open sides of stairs shall not have openings which allow passage of a sphere 4 inches(111 mm) inches in diameter.
7. In lifeguard towers not open to the public, guards shall not have openings which allow passage of a sphere 21 inches (533 mm) in diameter.

evolve DESIGN WORKS
california
washington
alaska
PO Box 7586
3090 N. Lake Blvd. Suite 5
Tahoe City, CA 96145
530.412.1328, 530.318.0001
www.evolvedesignworks.com

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project number			2016.041
drawn by	BA	checked by	BA

ISSUES & REVISIONS

no.	description	date
A	TCPUD REVIEW	2018.03.01
-	-	-

project location

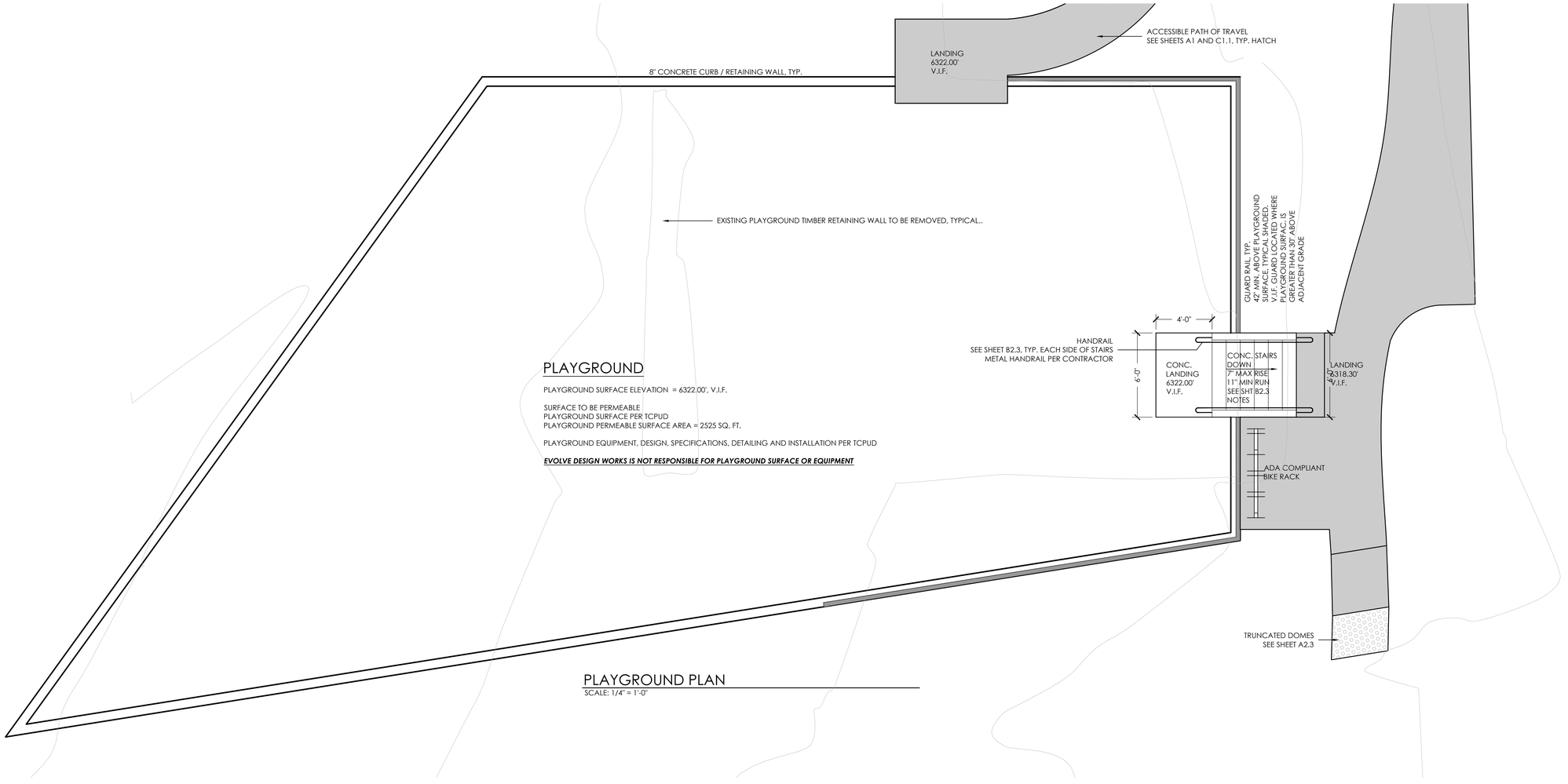
PARK PLAYGROUND REBUILD
MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA CALIFORNIA
EL DORADO COUNTY 015-035-02

description

CBC CHAPTER 11B ACCESSIBLE CODE NOTES

sheet

B2.3



PLAYGROUND

PLAYGROUND SURFACE ELEVATION = 6322.00', V.I.F.

SURFACE TO BE PERMEABLE
PLAYGROUND SURFACE PER TCPUD
PLAYGROUND PERMEABLE SURFACE AREA = 2525 SQ. FT.

PLAYGROUND EQUIPMENT, DESIGN, SPECIFICATIONS, DETAILING AND INSTALLATION PER TCPUD

EVOLVE DESIGN WORKS IS NOT RESPONSIBLE FOR PLAYGROUND SURFACE OR EQUIPMENT

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

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DESIGN WORKS

california
washington
alaska

PO Box 7586
3090 N. Lake Blvd. Suite 5
Tahoe City, CA 96145
530.412.1328, 530.318.0001
www.evolvedesignworks.com

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project location

PARK PLAYGROUND REBUILD

MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA CALIFORNIA
EL DORADO COUNTY 015-035-02

description

Playground Plan

sheet

B3.1

GENERAL NOTES

1. PROJECT DESCRIPTION
1.1. STRUCTURAL PLANS FOR A WOOD FRAMED STRUCTURE ON SHALLOW CONCRETE FOOTINGS.

2. GENERAL
2.1. THE BUILDING CODE(S) UNDER WHICH THIS PROJECT HAS BEEN DESIGNED ARE A SET OF MINIMUM REQUIREMENTS. THE ENGINEER OF RECORD MAY EXCEED THESE REQUIREMENTS.
2.2. THE ENGINEER OF RECORD MAY REQUIRE THE CONTRACTOR TO ADD METAL STRAPS, FRAMING ANCHORS OR BLOCKING DURING THE FRAMING PROCESS IN ADDITION TO THOSE SHOWN ON THE PERMIT SET OF PLANS. THE CONTRACTOR SHALL HOLD IN RESERVE 1% OF THE FRAMING BUDGET TO ADDRESS THESE ADDITIONS.
2.3. SNOW LOADS USED IN THE DESIGN OF THIS STRUCTURE HAVE BEEN PROVIDED BY THE COUNTY, TOWN OR CITY HAVING JURISDICTION OVER THIS PROJECT AND ARE FOR AN AVERAGE WINTER. THE HOME OWNER AND THEIR AGENTS ARE ADVISED THAT HEAVIER SNOW LOADS MAY OCCUR AND SNOW REMOVAL FROM THE STRUCTURE MAY BE REQUIRED TO AVOID STRUCTURAL DAMAGE.
2.4. THE INFORMATION ON THESE PLANS HAS BEEN SPECIFICALLY GENERATED FOR THIS PROJECT AND IS NOT TO BE USED FOR OTHER PROJECTS.
2.5. ANY CONFLICTS OR DISCREPANCIES BETWEEN THE DRAWINGS/PLANS AND SITE CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF E.O.R. AND CORRECTED AS DIRECTED BY THE E.O.R.
2.6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL WORK INCLUDING, BUT NOT LIMITED TO THAT SHOWN ON THESE DRAWINGS.
2.7. THESE PLANS ARE INTENDED FOR USE BY CONTRACTORS FAMILIAR WITH PROJECTS OF THIS NATURE AND WITH THE BUILDING CODES ADOPTED BY THE JURISDICTION HAVING AUTHORITY.
2.8. ANY REQUEST FOR SUBSTITUTION OR MODIFICATION TO THESE SPECIFICATIONS/PLANS SHALL BE MADE IN WRITING BY THE CONTRACTOR.
2.8.1. ANY COST TO THE E.O.R. ASSOCIATED WITH SUCH CHANGES WILL BE ABSORBED BY CONTRACTOR.
2.8.2. SHOP DRAWINGS DO NOT CONSTITUTE "IN WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING REQUESTED.
2.9. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE E.O.R. FOR APPROVAL 5 BUSINESS DAYS PRIOR TO THE MANUFACTURE DATE OF SAID ITEM.

3. CODES
3.1. 2016 CALIFORNIA BUILDING CODE AND 2016 CALIFORNIA RESIDENTIAL CODE AND ALL LOCAL, STATE, AND FEDERAL APPLICABLE CODES

4. CONSTRUCTION MEANS AND METHODS
4.1. IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN, THEIR CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR FEATURES.
4.2. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS INCLUDING BUT NOT LIMITED TO:
4.2.1. TEMPORARY SHORING.
4.2.2. TEMPORARY BRACING.
4.1. THE CONTRACTOR SHALL INSTALL ALL MANUFACTURED COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND FOLLOW ALL MANUFACTURER'S TRAINING AND SAFETY PROGRAMS.
4.2. THE CONTRACTOR SHALL HOLD IN RESERVE 1% OF THE CONSTRUCTION BUDGET FOR ADDITIONAL METAL STRAPPING THAT THE E.O.R. MAY REQUIRE UPON FIELD INSPECTION OF THE LATERAL FORCE RESISTING SYSTEM.

5. SAFETY, RESPONSIBILITY, LIABILITY
5.1. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE E.O.R. HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE E.O.R.
5.2. THE CONTRACTOR SHALL EMPLOY CONSTRUCTION MEANS AND METHODS THAT MAINTAIN THE SAFETY OF WORKERS AS REQUIRED BY ALL APPLICABLE CODES AND LAWS.
5.3. THE CONTRACTOR SHALL CONTROL ACCESS TO THE CONSTRUCTION SITE TO ENSURE SAFETY OF ALL PERSONS AS REQUIRED BY ALL APPLICABLE CODES AND LAWS.
5.4. THE CONTRACTOR SHALL EMPLOY CONSTRUCTION MEANS AND METHODS TO MAINTAIN THE SAFETY OF ALL STRUCTURES ADJACENT TO THE CONSTRUCTION SITE AS REQUIRED BY ALL APPLICABLE CODES AND LAWS.
5.5. THE PRESENCE OF THE E.O.R. OR THEIR REPRESENTATIVE ON THE JOB SITE DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THEIR SAFETY RESPONSIBILITIES.
5.6. CONTRACTOR ACKNOWLEDGES THAT HE HAS THOROUGHLY FAMILIARIZED HIMSELF WITH THE BUILDING SITE CONDITIONS, GRADES, ETC., WITH THE DRAWINGS AND SPECIFICATIONS, WITH THE DELIVERY FACILITIES AND ALL OTHER MATTERS AND CONDITIONS WHICH MAY AFFECT THE OPERATION AND COMPLETION OF THE WORK AND ASSUMES ALL RISKS THEREFROM.

6. SHORING
6.1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SHORING. SHORING SHALL BE PROVIDED TO SUPPORT THE EXISTING STRUCTURE UNTIL ALL WORK ON THE DRAWINGS IS COMPLETED.

7. WATERPROOFING
7.1. DRAINAGE SYSTEMS AND WATERPROOFING ARE NOT A PART OF THESE STRUCTURAL PLANS AND SHALL BE DESIGNED BY OTHERS AS REQUIRED.

8. DRAWINGS/PLANS AS PROVIDED BY E.O.R.
8.1. DISCREPANCIES, OMISSIONS OR CONFLICTS FOUND WITHIN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE E.O.R. IMMEDIATELY.
8.2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE E.O.R. IMMEDIATELY.
8.3. DO NOT SCALE DRAWINGS.
8.4. USE WRITTEN DIMENSIONS ONLY.
8.5. IF FURTHER DIMENSIONS ARE NEEDED, CONTACT E.O.R. IMMEDIATELY.
8.6. ANY QUESTIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE E.O.R. IMMEDIATELY
8.7. SITE VISIT REQUESTS BY THE CONTRACTOR TO THE E.O.R. SHALL BE MADE 48 HOURS IN ADVANCE.

9. STRUCTURAL TESTS, SPECIAL INSPECTIONS AND STRUCTURAL OBSERVATIONS
9.1. SHALL BE MADE IN ACCORDANCE WITH CHAPTER 17 OF THE CBC.
9.2. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE INSPECTION ENTITY 48 HOURS IN ADVANCE OF THE INSPECTION.
9.3. ONE COPY OF ANY AND ALL INSPECTION REPORTS PREPARED BY AN INDEPENDENT TESTING LABORATORY, BUILDING DEPARTMENT, AND/OR GEOTECHNICAL ENGINEER SHALL BE SUBMITTED TO THE ENGINEER.
9.4. STRUCTURAL OBSERVATIONS BY THE E.O.R. WILL BE MADE IN ACCORDANCE WITH CBC 1710
9.4.1. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY SECTION 110, 1704 OR OTHER SECTIONS OF THE 2016 CALIFORNIA BUILDING CODE.
9.5. SPECIAL INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY CBC 1704 AND A STATEMENT OF SPECIAL INSPECTION SHALL BE PROVIDED AS REQUIRED IN CBC 1705.
9.5.1. SPECIAL INSPECTORS SHALL BE HIRED BY THE OWNER, THE CONTRACTOR, OR THEIR AGENT.
9.5.2. THE E.O.R. WILL DESIGNATE SPECIAL INSPECTIONS THAT ARE REQUIRED IN ACCORDANCE WITH CBC 1704. SEE TABLE S1.0.1.
9.5.3. THE E.O.R. WILL PERFORM SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE IN ACCORDANCE WITH CBC 1707 WITH RESPECT TO WOOD FRAMED SHEAR WALLS. THE CONTRACTOR OR OWNER SHALL HIRE A SPECIAL INSPECTOR QUALIFIED TO PERFORM THE REQUIRED INSPECTIONS ON ALL ORDINARY MOMENT RESISTING FRAMES.
9.6. THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF CBC 1709.
9.7. IT IS RECOMMENDED THAT ADDITIONAL INSPECTIONS BE REQUESTED AT REGULAR INTERVALS DURING THE COURSE OF CONSTRUCTION AS THESE REGULAR INSPECTIONS COULD REDUCE THE AMOUNT OF DEMOLITION AND REWORKING REQUIRED BY POSSIBLE MISTAKES, OMISSIONS OR MISINTERPRETATIONS.

10. UTILITIES
10.1.CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ALL DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
10.2.THE E.O.R. HAS MADE NO ATTEMPT TO LOCATE UTILITIES AND HAS NOT REPRESENTED ANY UNDER GROUND OR OVERHEAD UTILITIES ON THESE PLANS UNLESS NOTED OTHERWISE.

11. WOOD FRAMING
11.1.DIMENSIONAL LUMBER
11.1.1. COMPLY WITH PS 20, AMERICAN SOFTWOOD LUMBER STANDARD AND STANDARD GRADING RULES FOR WESTERN LUMBER. 19% MAXIMUM MOISTURE CONTENT AT TIME OF PLACEMENT.)
11.1.2. DIMENSIONAL LUMBER
11.1.1.1. BLOCKING AND STUDS LESS THAN 10' LONG
11.1.1.1.1. 2" TO 4" THICK AND 2" TO 4" WIDE = STANDARD
11.1.1.2. STUDS, BLOCKING, JOISTS AND RAFTERS
11.1.1.1.1. 2" TO 4" THICK, 5" AND WIDER = No. 2
11.1.1.2. BEAMS AND STRINGERS
11.1.1.1.1. 5" AND THICKER, WIDTH MORE THAN 2" GREATER THAN THICKNESS = No. 1
11.1.1.2. POSTS AND TIMBERS
11.1.1.1.1. 5"x5" AND LARGER w/ A WIDTH 2" MORE THAN THICKNESS = No. 1
11.2.GLU-LAMINATED LUMBER
11.2.1. GLUED LAMINATED BEAMS SHALL BE DOUGLAS FIR/LARCH GRADE 24F-V4 UNLESS OTHERWISE NOTED. GLULAM BEAMS SHALL NOT HAVE CAMBER. INSTALL WITH TENSION LAM DOWN. SEAL EXPOSED GLULAM BEAMS WITH THREE COATS MINIMUM OF EXTERIOR GRADE SEALER.
11.2.2. THE GENERAL CONTRACTOR SHALL PROVIDE THE BUILDING OFFICIAL WITH A CERTIFICATE INDICATING THE VALUE OF THE GLULAM BEAMS AND THEIR WARRANTY AS ISSUED BY THE MANUFACTURER.
11.3.PREMANUFACTURED WOOD "I" JOISTS
11.3.1. PREFABRICATED WOOD I-JOISTS SHALL BE LOUISIANA PACIFIC, WESTERN WOODS, OR TRUSS JOIST AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
11.3.2. OBTAIN WRITTEN CONSENT FROM THE ENGINEER TO CHANGE THE JOIST TYPE, DEPTH, SPACING OR MANUFACTURER.
11.3.3. 1¼" LSL RIM BOARD SHALL BE USED AS RIM JOIST AT PERPENDICULAR JOIST CONDITION. DOUBLE 1¼" LSL RIM BOARD SHALL BE USED AS RIM JOIST AT PARALLEL JOIST CONDITION.
11.4.PREMANUFACTURED WOOD TRUSSES
11.4.1. CALCULATIONS AND SHOP DRAWINGS: SUBMIT FOR REVIEW, SHOP DRAWINGS AND CALCULATIONS BY A CALIFORNIA LICENSED CIVIL OR STRUCTURAL ENGINEER, FOR THE DESIGN LOADS, INCLUDING MAXIMUM REACTION, SHEAR, MOMENT, AND DEFLECTION IN COMPARISON TO THE ALLOWABLES. SIZE THE TOP CHORD FOR THE DIAPHRAGM NAILING AND A 2X MINIMUM NOMINAL WIDTH. THE TRUSSES SHOWN ON THE DRAWINGS ARE PRELIMINARY AND MAY REQUIRE SIZE OR SPACING MODIFICATIONS. ALL EAVES SHALL BE DESIGNED FOR 1.5 TIMES THE SNOW LOAD PER PLACER COUNTY. DO NOT USE SHORT TERM DURATION LOAD ADJUSTMENT FACTORS.
11.4.2. BLOCKING, BRACING AND BRIDGING: AS REQUIRED BY THE MANUFACTURER'S APPROVED PRODUCT EVALUATION REPORTS, THE CBC, ICC-ES REPORTS, THE CALCULATIONS AND THE DRAWINGS.
11.4.3. TRUSS CHANGES: OBTAIN WRITTEN CONSENT FROM THE ENGINEER TO CHANGE THE TRUSS TYPE, WIDTH CHORD DEPTH, TRUSS SHAPE OR SPACING.
11.5.GRADE STAMPED DOUGLAS FIR/LARCH SHALL BE USED AS STRUCTURAL MEMBERS UNLESS NOTED OTHERWISE.
11.6.ALL NAILS SHALL BE COMMON WIRE UNLESS OTHERWISE NOTED. EDGE OR END DISTANCES IN THE DIRECTION OF STRESS SHALL NOT BE LESS THAN ONE HALF OF THE REQUIRED PENETRATION. THE SPACING CENTER TO CENTER OF NAILS IN THE DIRECTION OF STRESS SHALL NOT BE LESS THAN THE REQUIRED PENETRATION. HOLES FOR NAILS, WHERE NECESSARY TO PREVENT SPLITTING, SHALL BE BORED TO A DIAMETER SMALLER THAN THAT OF THE NAIL.
11.7.FRAMING CONNECTORS SHALL BE SIMPSON STRONG-TIE AND INSTALLED PER MANUFACTURER'S APPROVED PRODUCT EVALUATION REPORTS (ICC-ES). SIZE AND NUMBER OF NAILS TO BE MAXIMUM SPECIFIED BY THE MANUFACTURER UNLESS OTHERWISE NOTED (FILL ALL HOLES).
11.8.NAILED/SCREWED HOLD DOWN ANCHORS: INSTALL PER MANUFACTURER'S APPROVED (ICC-ES) PRODUCT EVALUATION REPORT. INSTALL HOLDDOWNS 1/2 INCH MINIMUM ABOVE THE PLATE TO ALLOW FOR TIGHTENING ANCHOR BOLT. THE HOLDDOWN SHALL BE INSTALLED TIGHT TO THE HOLDDOWN POST WITHOUT FILLERS OR DAPPING. DO NOT BEND HOLDDOWN ANCHORS.
11.9.BOLTED HOLD DOWN ANCHORS: INSTALL PER MANUFACTURER'S APPROVED (ICC-ES) PRODUCT EVALUATION REPORT. INSTALL HOLDDOWNS ½" MINIMUM ABOVE THE PLATE TO ALLOW FOR TIGHTENING ANCHOR BOLT. TIGHTEN HOLDDOWN ANCHOR BEFORE TIGHTENING POST BOLTS. USE EXTRA CARE IN BORING THE POST BOLT HOLES (1/32 TO 1/16 LARGER THAN THE BOLT DIAMETER). THE HOLDDOWN SHALL BE INSTALLED TIGHT TO THE HOLDDOWN POST WITHOUT FILLERS OR DAPPING. THE POST BOLTS SHALL NOT BE COUNTERSUNK INTO THE HOLDDOWN POST UNLESS OTHERWISE NOTED. DO NOT BEND HOLD DOWN ANCHORS.
11.10. TOP PLATES: TWO PIECES, SAME SIZE AS STUDS, STAGGER SPLICES 4'-0" MINIMUM. CENTER SPLICES OVER STUDS. REFERENCE PLANS FOR SPECIFIC NAILING AND STRAPPING REQUIREMENTS.
11.11. CUTTING AND NOTCHING: DO NOT CUT, BORE, COUNTERSINK OR NOTCH WOOD MEMBERS EXCEPT WHERE SHOWN IN THE DETAILS. HOLES THROUGH PLATES, STUDS AND DOUBLE PLATES IN WALLS SHALL NOT EXCEED 40% OF THE MEMBER AND SHALL BE LOCATED IN THE CENTER OF THE MEMBER
11.12. MEMBERS IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED OR FOUNDATION GRADE REDWOOD. DO NOT PLACE ANY WOOD MEMBER IN CONTACT WITH THE EARTH.
11.13. PROVIDE NUTS AND WASHERS UNDER ALL BOLT HEADS WITHOUT METAL SIDE PLATES.
11.14. ALL FLOOR JOISTS SHALL BE INSTALLED CROWN-SIDE UP.
11.15. PROVIDE DOUBLE FLOOR JOISTS AT ALL WALLS PARALLEL TO PARTITIONS. SOLID BLOCK JOISTS PERPENDICULAR TO PARTITIONS.
11.16. BLOCK ALL HORIZONTAL MEMBERS AT SUPPORTS. SEE SHEAR WALL SCHEDULE FOR SPECIAL NAILING OR FRAMING ANCHORS IF REQUIRED.
11.17. PLYWOOD SHEAR WALL PANEL VENEERS SHALL NOT BE BROKEN OR CRUSHED UPON THE INSTALLATION OF SHEAR WALL NAILING.
11.18. ALL RAFTERS AND JOISTS SUPPORTING ANY TYPE OF LOADING SHALL BEAR ON SOLID STUDS THE SAME WIDTH AS THE RAFTERS OR JOIST.

12. REINFORCING STEEL (REBAR)
12.1.REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 FOR #4 AND LARGER BARS.
12.2.#3 BARS AND DOWELS MAY BE GRADE 40.
12.3.HOLD REINFORCEMENT IN ITS POSITION WITH DEVICES AND/OR TIES SUFFICIENTLY NUMEROUS TO PREVENT DISPLACEMENT DURING PLACING OF CONCRETE. SEE TABLES FOR HOOK LENGTHS AND LAP SPLICES
12.4.CONCRETE COVER
12.4.1. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
12.4.2. EXPOSED TO EARTH AND WEATHER
12.4.2.1. #6 AND LARGER BARS = 2"
12.4.2.2. #5 AND SMALLER BARS = 1½"
12.4.3. NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH
12.4.3.1. SLABS, WALLS, JOISTS = ¾"
12.4.3.2. BEAMS, GIRDERS, COLUMNS = 1½"
12.5.DIAMETER OF BENDS PER TABLE THIS SHEET
12.6.STANDARD HOOK LENGTHS PER TABLE THIS SHEET
12.7.BAR LAP SPLICES PER TABLE THIS SHEET

13. REINFORCED CONCRETE FOOTINGS AND SLABS
13.1.SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS FOR PROJECTS LOCATED IN SEISMIC DESIGN CATEGORY D, E, AND F (CBC TABLE 1808.8.1).
13.1.1. THE SPECIFIED COMPRESSIVE STRENGTH CAN BE REDUCED TO 2500 PSI IF CONDITIONS OF CBC TABLE 1808.8.1 LINE 2a ARE MET.
13.2.SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR:
13.2.1. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK. (CBC 1704.4 EXCEPTION 1)
13.2.2. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE:
13.2.2.1. THE FOOTINGS SUPPORT WALLS OF LIGHT FRAME CONSTRUCTION
13.2.2.2. THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH, fc', NO GREATER THAN 2,500 PSI, REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE *CONSTRUCTION DOCUMENTS* OR USED IN THE FOOTING CONSTRUCTION.
13.3.CONCRETE SHALL CONTAIN A MINIMUM OF:
13.3.1. 5 SACKS CEMENT PER CUBIC YARD 3/4" AGGREGATE, 'HARD ROCK' MIX
13.4.3/8" AGGREGATE PUMP MIXES MAY ONLY BE USED FOR WALL GROUTING AND NON-STRUCTURAL SLABS ON GRADE AND MAY HAVE AN ULTIMATE STRENGTH OF 2500 PSI
13.5.CONCRETE USED IN FOUNDATIONS, DRILLED PIERS AND FOUNDATION WALLS SHALL HAVE A MAXIMUM SLUMP OF 3". ALL OTHER CONCRETE SHALL HAVE SHALL HAVE A MAXIMUM SLUMP OF 4".
13.6.CONTRACTOR SHALL TAKE NECESSARY MEASURES TO CONSOLIDATE CONCRETE SUCH AS MECHANICAL VIBRATION.
13.7.CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM-C94
13.8.ALL REINFORCING BARS AND DOWELS, STRAPS, ANCHOR BOLTS, POST BASES, AND ANY OTHER ELEMENT EMBEDDED IN CONCRETE SHALL BE ACCURATELY PLACED AND SECURED TO FORM WORK, METAL CHAIRS, DOBIES OR OTHER DEVICES TO HOLD ITEMS SECURELY IN PLACE DURING PLACEMENT OF CONCRETE.
13.9.WOOD TO EARTH SEPARATION
13.9.1. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED OR BE OF FOUNDATION GRADE REDWOOD.
13.9.2. WOOD POSTS SHALL BE SEPARATED FROM EARTH BY 8" FOR CONTINUOUS PLATES AND 10" FOR INDIVIDUAL POSTS EXPOSED TO WEATHER OR WATER SPLASH.
13.9.3. POSTS ON CONCRETE SLABS SHALL BE ELEVATED 1" ABOVE SLAB SURFACE.
13.10. ALL CONCRETE SHALL BE WITHIN A TOLERANCE OF 1/4" IN TEN FEET FOR PLUMB AND ALIGNMENT. THE MAXIMUM CUMULATIVE TOLERANCE IS 1/2"

14. METAL
14.1.ALL BOLTS SHALL COMPLY WITH ASTM A307 U.N.O.
14.2.ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL COMPLY WITH ASTM A36.
14.3. ALL WORK SHALL BE IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
14.4.STRUCTURAL STEEL PIPE SHALL MEET ASTM A-53 , GRADE B.
14.5.STRUCTURAL STEEL HSS SECTIONS SHALL MEET ASTM A-500, GRADE B. 4.
14.6.STRUCTURAL STEEL WIDE FLANGE SECTIONS SHALL MEET ASTMA-992, WITH Fy=50 KSI MIN.
14.7.WELDING
14.7.1. WELDING PROCEDURES, ETC., SHALL BE ACCORDING TO AISC STANDARDS & INSPECTION PER AWS D1.1.
14.7.2. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS.
14.7.3. ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS UNLESS OTHERWISE NOTED ON PLANS.
14.7.4. ELECTRODES SHALL BE E-70 AT ALL STRUCTURAL CONNECTIONS.
14.7.5. ALL STRUCTURAL SHOP AND FIELD WELDING SHALL BE OBSERVED BY SPECIAL INSPECTOR PER CBC 1704 & AWS D1.1.

15. EPOXY ANCHORS
15.1.ALL EPOXY FOR USE WITH HOLD-DOWNS ANCHORS, THREADED RODS, REBAR DOWELS AND SILL ANCHORS SHALL BE SIMPSON SET XP.
15.1.1. ICC REPORT ESR#2508 SHALL BE ON THE JOB SITE AVAILABLE FOR USE BY CONTRACTOR, BUILDING INSPECTOR AND SPECIAL INSPECTOR.
15.1.2. THE CONTRACTOR SHALL CAREFULLY READ ICC REPORT #2508 FOR INSTRUCTIONS FOR CORRECT EPOXY INSTALLATION PROCEDURES.
15.1.3. SPECIAL INSPECTION IS REQUIRED FOR THIS INSTALLATION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WORK AND SCHEDULE SPECIAL INSPECTION.
15.1.4. DO NOT INSTALL ANY ANCHORS UNTIL SPECIAL INSPECTION HAS BEEN COMPLETED. THE OWNER SHALL BE RESPONSIBLE FOR THE SPECIAL INSPECTION AND TESTING EXPENSES. THE OWNER MAY BACK CHARGE THE CONTRACTOR FOR THE COST ASSOCIATED WITH RETESTING ANY PREVIOUSLY FAILED TESTS. THE ENGINEER MAY BE CONTACTED FOR INSPECTION OF EPOXY ANCHORS.
15.1.5. ANY ANCHORS INSTALLED WITHOUT SPECIAL INSPECTION SHALL BE REMOVED AND NEW ANCHORS WITH PROPER INSPECTION SHALL BE INSTALLED.
15.1.6. THE SPECIAL INSPECTOR IS REQUIRED TO VERIFY HOLE DEPTH, HOLE DIAMETER, HOLE PREPARATION AND EPOXY PRODUCT TO BE USED. EPOXY PRODUCT SHALL BE NEW IN UNOPENED CONTAINERS.
15.1.7. THE SPECIAL INSPECTOR SHALL PROVIDE COPIES OF THE FIELD REPORTS TO THE ENGINEER OF RECORD, THE BUILDING DEPARTMENT, AND TWO COPIES TO THE CONTRACTOR. ONE COPY SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW.

16. HARDWARE CORROSION
16.1.THE CHEMICALS USED IN PRESSURE TREATED LUMBER CAN CORRODE OR OTHERWISE COMPROMISE THE STRUCTURAL INTEGRITY OF METAL IT COMES INTO CONTACT WITH. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE METAL FASTENERS AND METAL CONNECTIONS USED WITH PRESSURE TREATED LUMBER ARE COMPATIBLE. REFER TO "*WOOD CONSTRUCTION CONNECTORS 2016-2018 (C-C-2017)*" PER SIMPSON STRONG-TIE, PAGES 15-18 FOR INFORMATION REGARDING THE COMPATIBILITY OF SIMPSON PRODUCTS AND TREATED LUMBER.

DESIGN CRITERIA

GROUND SNOW LOAD	178 PSF
ALLOWABLE BEARING PRESSURE	2000 PSF

STATEMENT OF SPECIAL INSPECTION CBC 1704.3

TYPE	CONTINUOUS SPECIAL INSP.	PERIODIC SPECIAL INS.	REFERENCED STANDARD
INSPECT REINFORCEMENT AND VERIFY PLACEMENT 1705.3	-	-	ACI 318 CH. 20,25.2,25.3,26.5.1-26.5.3
INSPECT ANCHORS CAST IN CONCRETE 1705.3	-	-	ACI 318: 17.8.2
INSPECT TENSION ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS 1705.3	-	-	ACI 318: 17.8.2, 17.8.2.4,
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY 1705.6	-	-	-
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL 1705.6	-	-	-
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS 1705.6	-	-	-
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL 1705.6	-	-	-
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY 1705.6	-	-	-
WIND RESISTING COMPONENTS 1705.11.3	-	-	-
SEISMIC STRUCTURAL STEEL 1705.12.1	-	-	-
SEISMIC STRUCTURAL WOOD 1705.12.2 ITEM 2 PERIODIC SPECIAL INSPECTION SHALL BE REQUIRED FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS.	-	-	-
(1) SPECIAL INSPECTION SHALL BE DONE BY THE ENGINEER OF RECORD			
(2) SPECIAL INSPECTION SHALL BE DONE BY THE GEOTECHNICAL ENGINEER OF RECORD			
(3) SPECIAL INSPECTION SHALL BE DONE BYAN AWS/CWI CERTIFIED INSPECTOR			
STRUCTURAL OBSERVATIONS CBC 1704.6			
SEISMIC RESISTANCE 1704.6.1	-	X(1)	-
WIND REQUIREMENTS 1704.6.2	-	X(1)	-
(1) STRUCTURAL OBSERVATIONS SHALL BE DONE BY THE ENGINEER OF RECORD			

1704.4 CONTRACTOR RESPONSIBILITY. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC FORCE-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER OR THE OWNER' S AUTHORIZED AGENT PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.

1704.5 SUBMITTALS TO THE BUILDING OFFICIAL. IN ADDITION TO THE SUBMITTAL OF REPORTS OF SPECIAL INSPECTIONS AND TESTS IN ACCORDANCE WITH SECTION 1704.2.4, REPORTS AND CERTIFICATES SHALL BE SUBMITTED BY THE OWNER OR THE OWNER' S AUTHORIZED AGENT TO THE BUILDING OFFICIAL FOR EACH OF THE FOLLOWING:
- CERTIFICATES OF COMPLIANCE FOR THE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES ON THE PREMISES OF A REGISTERED AND APPROVED FABRICATOR IN ACCORDANCE WITH SECTION 1704.2.5.1.
- CERTIFICATES OF COMPLIANCE FOR THE SEISMIC QUALIFICATION OF NONSTRUCTURAL COMPONENTS, SUPPORTS AND ATTACHMENTS IN ACCORDANCE WITH SECTION 1705.13.2.
- CERTIFICATES OF COMPLIANCE FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH SECTION 1705.13.3.
- REPORTS OF PRECONSTRUCTION TESTS FOR SHOTCRETE IN ACCORDANCE WITH SECTION 1908.5.
- CERTIFICATES OF COMPLIANCE FOR OPEN WEB STEEL JOISTS AND JOIST GIRDERS IN ACCORDANCE WITH SECTION 2207.5.
- REPORTS OF MATERIAL PROPERTIES VERIFYING COMPLIANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR WELDABILITY AS SPECIFIED IN SECTION 26.5.4 OF ACI 318 FOR REINFORCING BARS IN CONCRETE COMPLYING WITH A STANDARD OTHER THAN ASTM A706 THAT ARE TO BE WELDED; AND
- REPORTS OF MILL TESTS IN ACCORDANCE WITH SECTION 20.2.2.5 OF ACI 318 FOR REINFORCING BARS COMPLYING WITH ASTM A615 AND USED TO RESIST EARTHQUAKE INDUCED FLEXURAL OR AXIAL FORCES IN THE SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS OR COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS OF SEISMIC FORCE-RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E OR E.

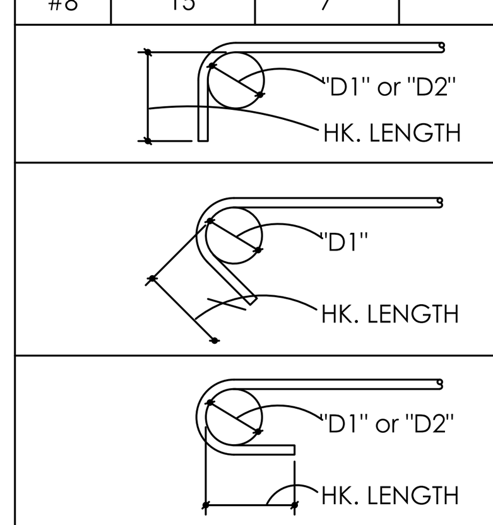
REINFORCING STEEL (REBAR)

DIAMETER OF BENDS

D1	STIRRUPS, TIES & WALL REINFORCING AT OPENINGS	
D2	FOR ALL OTHER SITUATIONS	
BAR SIZE	DESCRIPTION	Ø OF BEND
#3	D1	1½"
#4	D1	2"
#5	D1	2½"
#3 THRU #8	D2	6 x Ø

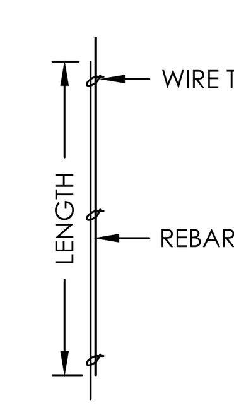
STANDARD HOOK LENGTHS (in)

BAR SIZE	MAIN REINF. 90°	MAIN REINF. 180°	STIRRUP & TIE HOOKS 90°	STIRRUP & TIE HOOKS 135°
#3	5.75	3.75	3	4.5
#4	7.5	4	4	5
#5	9.5	4.5	5	5
#6	11.25	5.25		
#7	13.25	6.25		
#8	15	7		



BAR LAP SPLICES

BAR SIZE	LENGTH (in)
#3	24
#4	32
#5	40
#6	48
#7	69
#8	78
#9	88



FASTENING SCHEDULE
TABLE 2304.10.1 THESE ARE MINIMUMS AND MORE STRINGENT CALL-OUTS ON PLANS SHALL GOVERN

1. JOIST TO SILL OR GIRDER	3 - 8d COMMON (2½"x0.131") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2½"x0.131") 2 - 3"x0.131" NAILS 2 - 3" 14 GAGE STAPLES	TOENAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2½"x0.131")	FACE NAIL
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2½"x0.131")	FACE NAIL
5. 2" SUBFLOOR TO EACH JOIST OR GIRDER	2 - 16d COMMON (3½"x0.162")	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3½"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C. 3" 14 GAGE STAPLES AT 12" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3 - 16d (3½"x0.135") AT 16" O.C. 4 - 3"x0.131" NAILS AT 16" O.C. 4 - 3" 14 GAGE STAPLES AT 16" O.C.	BRACED WALL PANELS
7. TOP PLATE TO STUD	2 - 16d COMMON (3½"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMONS (2½"x0.131") 4 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
	2 - 16d COMMON (3½"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
9. DOUBLE STUDS	16d (3½"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 8" O.C. 3" 14 GAGE STAPLES AT 8" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3½"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C. 3" 14 GAGE STAPLES AT 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8 - 16d COM (3½"x0.162") @ 16" O.C. 12 - 3"x0.131" NAILS 12 - 3" 14 GAGE STAPLES	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2½"x0.131") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2½"x0.131") AT 6" O.C. 3"x0.131" NAILS AT 6" O.C. 3" 14 GAGE STAPLES AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS AND INTERSECTIONS	2 - 16d COMMON (3½"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3½"x0.162")	16" O.C. ALONG EDGE
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2½"x0.131") 5 - 3"x0.131" NAILS 5 - 3" 14 GAGE STAPLES	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2½"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3½"x0.162") MIN. TABLE 2308.10.4.1 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3½"x0.162") MIN. TABLE 2308.10.4.1 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	3 - 8d COMMON (2½"x0.131") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2½"x0.131") 2 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
21. 1"x8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2½"x0.131")	FACE NAIL
22. WIDER THAN 1"x8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2½"x0.131")	FACE NAIL
23. BUILT UP CORNER STUDS	16d COMMON (3½"x0.162") 3"x0.131" NAILS 3" 14 GAGE STAPLES	24" O.C. 16" O.C. 16" O.C.
24. BUILT UP GIRDER AND BEAMS	20d COMMON (4"x0.192") 32" O.C. 3"x0.131" NAILS AT 24" O.C. 3" 14 GAGE STAPLES AT 24" O.C.	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2 - 20d COMMON (4"x0.192") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3½"x0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	TOENAIL
	2 - 16d COMMON (3½"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
28. ROOF RAFTER TO 2X RIDGE BEAM	2 - 16d COMMON (3½"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
	2 - 16d COMMON (3½"x0.162") 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON (3½"x0.162") 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL

COMMON NAILS

SIZE (PENNY)	DIAMETER (IN.)	WIRE (GAGE)	PENETRATION (IN.)
8d	0.131	10 1/4	1 1/2
10d	0.148	9	1 5/8
16d	0.162	8	1 3/4
20d	0.192	6	2 1/8
30d	0.207	5	2 1/4

Penetration is measured into the piece receiving the nail point. 1½ inches of penetration for a 10d and 16d nails is acceptable for top plates and doubled 2x members. Where the nail penetration will be less than specified, increase the nail length (size) to achieve the required penetration.

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DESIGN WORKS
california
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PO Box 7586
3090 N. Lake Blvd. Suite 5
Tahoe City, CA 96145
530.412.1328, 530.318.0001
www.evolvedesignworks.com

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project number			2016.041
drawn by	BA	checked by	BA

ISSUES & REVISIONS

no.	description	date
A	TCPUD REVIEW	2018.03.01
-	-	-

project location

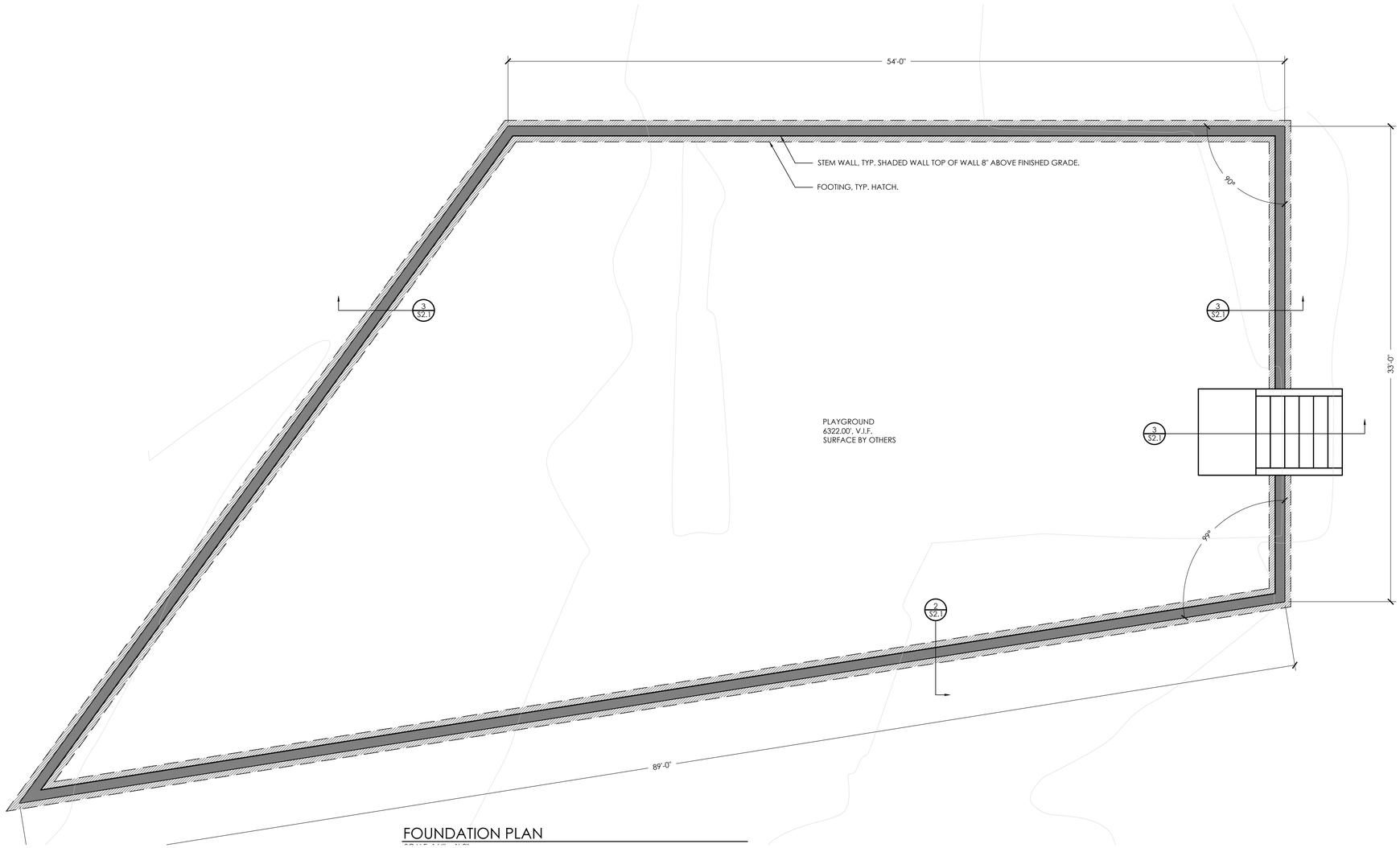
PARK PLAYGROUND REBUILD
MARIE SLUCHAK COMMUNITY PARK
225 PINE STREET
TAHOMA CALIFORNIA
EL DORADO COUNTY 015-035-02

description

Structural General Notes

sheet

S0.1



FOUNDATION PLAN

1. ALL DIMENSIONS SHALL BE VERIFIED WITH SITE PLAN AND FIELD VERIFIED PLANS.
2. ALL FINISHED FLOOR HEIGHTS AND TOP OF SLAB ELEVATIONS SHALL BE FIELD VERIFIED.
3. ALL CUSTOM CONNECTIONS SHALL BE APPROVED BY ENGINEER PRIOR TO FABRICATION.
4. ALLOW FOOTING TO CURE TO MAX. STRENGTH BEFORE THE INSTALLATION OF FILL.
5. ALL STEMWALLS SHALL BE 8 INCHES WIDE, MIN. UNLESS NOTED OTHERWISE.
6. ALL FILLS SHALL COMPLY WITH CBC 1803.5.
7. BOTTOM OF FOOTING SHALL BE MINIMUM OF 24" BELOW GRADE. WHERE THE SURFACE OF THE GROUND SLOPES MORE THAN 1 FOOT IN 10 FEET, FOUNDATIONS SHALL BE LEVEL OR SHALL BE STEPPED SO THAT BOTH TOP AND BOTTOM OF SUCH FOUNDATION IS LEVEL. SECTION 1806.4 OF THE CBC.
8. CONTRACTOR TO PROVIDE PRESSURE TREATED BLOCKING IN FORMS TO ALLOW FOR FINISH DETAIL AS REQUIRED.
9. TOP OF WALL (T.O.W.) CALLOUTS SHALL BE V.I.F.
10. THE CHEMICALS USED IN PRESSURE TREATED LUMBER CAN CORRODE OR OTHERWISE COMPROMISE THE STRUCTURAL INTEGRITY OF METAL IT COMES INTO CONTACT WITH. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE METAL FASTENERS AND METAL CONNECTIONS USED WITH PRESSURE TREATED LUMBER ARE COMPATIBLE. REFER TO SIMPSON STRONG TIE CATALOG C-C-2017 PAGES 15-18 FOR INFORMATION REGARDING THE COMPATIBILITY OF SIMPSON PRODUCTS AND TREATED LUMBER.

WALL ABOVE

8" CONCRETE STEM WALL

FOUNDATION

POST / COLUMN BELOW

PIER / PAD FOOTING SIZE, SEE TABLE @ DETAIL

ANCHOR BOLT SPACING PER SHEAR WALL SCHEDULE

X / SX.1 DETAIL NUMBER, DETAIL BUBBLE, SHEET NUMBER

X / SX.1 SECTION NUMBER, SECTION CALLOUT, SHEET NUMBER

GENERAL FOUNDATION NOTES

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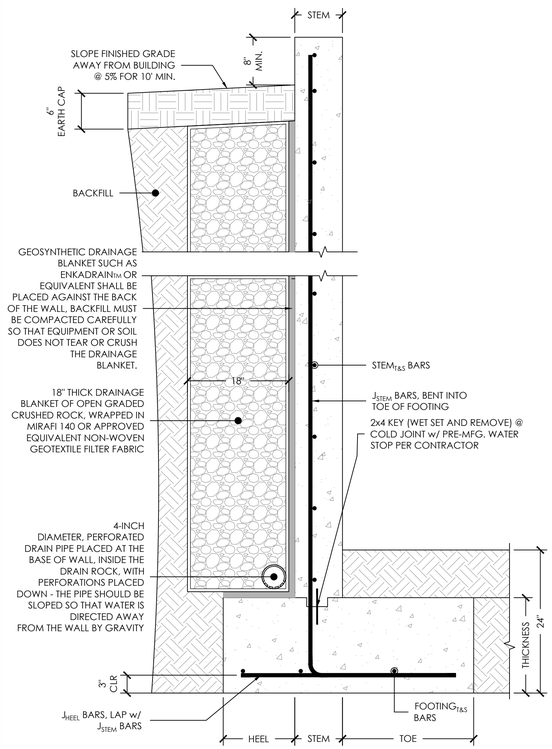
Foundation Plan

sheet

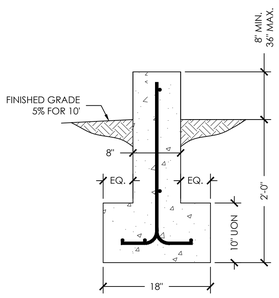
S2.1

RETAINING WALL SCHEDULE								
HEIGHT	STEM	TOE	HEEL	THICKNESS	J_{STEM} BARS	J_{HEEL} BARS	$STEM_{T\&S}$ BARS	$FOOTING_{T\&S}$ BARS
4'	8"	1'-4"	8"	12"	#4 @ 12" O.C.	#4 @ 12" O.C.	#4 @ 12" O.C.	#4 @ 8" O.C.
6'	8"	2'-6"	1'-8"	12"	#4 @ 8" O.C.	#4 @ 16" O.C.	#4 @ 12" O.C.	#4 @ 8" O.C.

RETAINING WALL BACKFILL SHOULD CONSIST OF GRANULAR MATERIAL, NEARLY FREE OF ORGANIC DEBRIS, WITH LIQUID LIMIT OF LESS THAN 40, A PLASTICITY INDEX LESS THAN 15, 100 PERCENT PASSING THE 8-INCH SIEVE, AND LESS THAN 35 PERCENT PASSING THE NO. 200 SIEVE. BACKFILL SHOULD BE UNIFORMLY MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF THE ASTM D1557 OPTIMUM MOISTURE CONTENT AND COMPACTED WITH APPROPRIATE COMPACTION EQUIPMENT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. IF THE RETAINING WALL BACKFILL WILL SUPPORT FOUNDATIONS, THE BACKFILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. WE SHOULD REVIEW AND PROVIDE SPECIFIC BACKFILL CRITERIA FOR ALL RETAINING WALLS OVER 10 FEET IN HEIGHT. UTILITIES THAT RUN THROUGH RETAINING WALL BACKFILL SHOULD NOT PASS THROUGH THE WALL OR OTHER RIGID STRUCTURES WITHOUT ALLOWANCE FOR VERTICAL MOVEMENT OF AT LEAST ONE INCH.



1 RETAINING WALL SCHEDULE



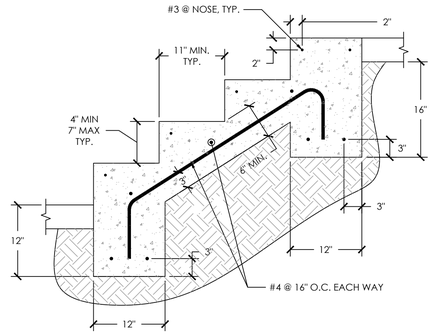
STEMWALL REINFORCING
VERTICAL: #4 @ 24" O.C.
ALTERNATE DIRECTION OF HOOK
HORIZONTAL: #4 @ 18" O.C. w/ (1) #4 3" FROM TOP OF STEMWALL

FOOTING REINFORCING
(3) #4'S CONTINUOUS AT BOTTOM OF FOOTING. BOTTOM OF BAR SHALL HAVE A MIN. OF 3" CONCRETE COVER FROM BOTTOM OF FOOTING

DRAINAGE (NOT SHOWN)
4"Ø PERFORATED PIPE FRENCH DRAIN AND DRAIN ROCK AT BOTTOM OF FOOTING AS NEEDED.

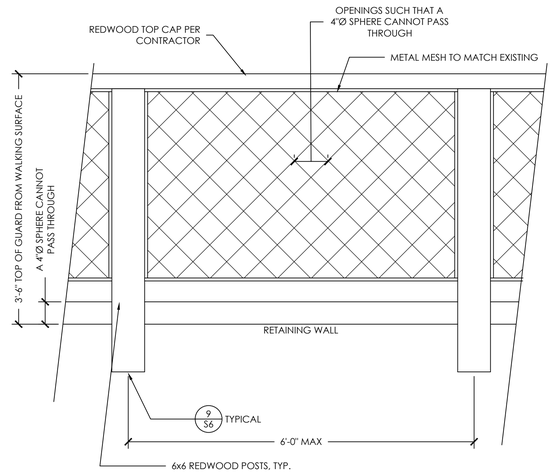
LEGEND/NOTES
EN = EDGE NAIL
UON = UNLESS OTHERWISE NOTED
1. ALL NAILS AND PATTERNS PER SCHEDULE ON SHEAR PLANS, UON.
2. FOOTING DIMENSIONS AND REINFORCEMENT TYPICAL UON.

2 CONTINUOUS SHALLOW SPREAD FOOTING



SEE SECTION 11B-504
STAIR NOTES SHEET A2.3

3 CONCRETE STAIRS
SCALE: 1" = 1'-0"



4 GUARD RAIL
SCALE: 1" = 1'-0"

5 GUARD RAIL @ RETAINING WALL
SCALE: 1" = 1'-0"

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S9.1