

# CITY OF RANCHO PALOS VERDES

CALIFORNIA

## CONSTRUCTION PLANS

FOR

### RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE

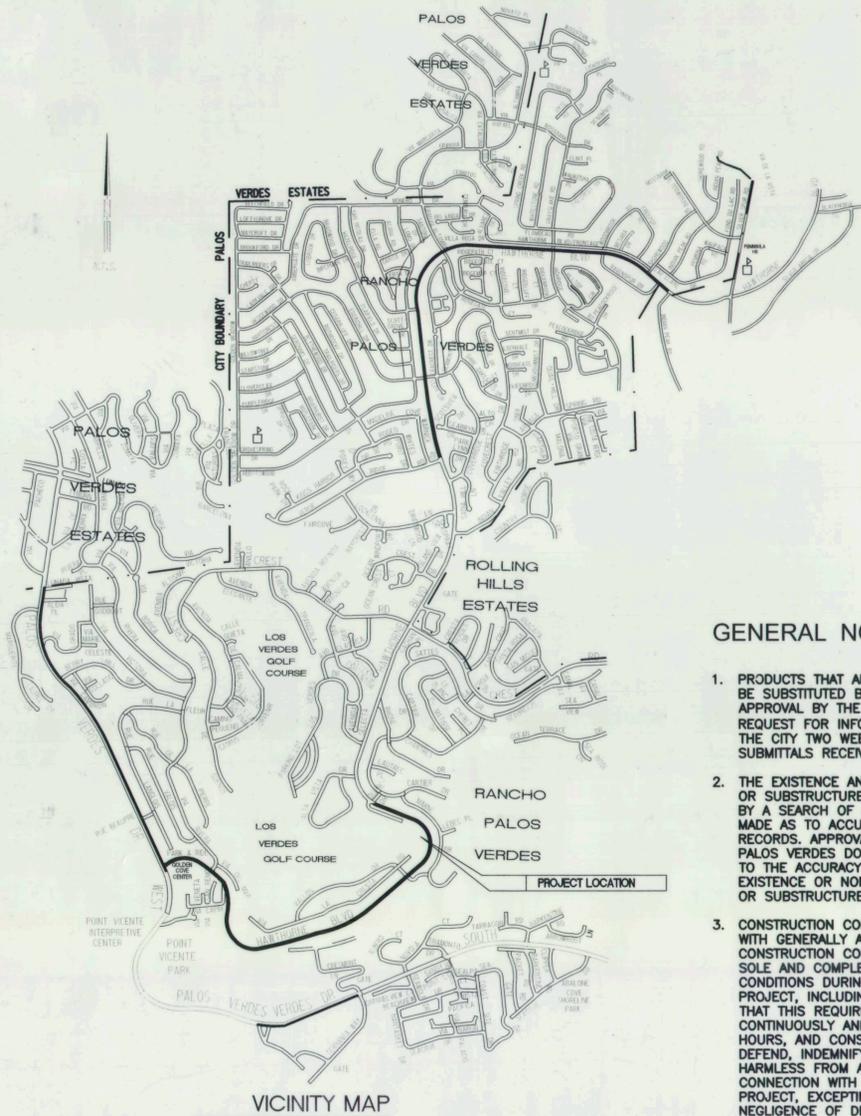
30359 HAWTHORNE BOULEVARD



RANCHO PALOS VERDES

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VICINITY MAP

#### GENERAL NOTES

- PRODUCTS THAT ARE DESIGNATED BY THE MANUFACTURER MAY BE SUBSTITUTED BY EQUAL PRODUCTS SUBJECT TO PRIOR APPROVAL BY THE CITY PROJECT MANAGER. SUBSTITUTE AND REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE CITY TWO WEEKS PRIOR TO THE BID OPENING. SUBMITTALS RECEIVED AFTER THIS DATE WILL BE DISREGARDED.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATION IS MADE AS TO ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THIS PLAN BY THE CITY OF RANCHO PALOS VERDES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION SURVEY IF IT'S DEEMED NECESSARY.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS IN FIELD AT START OF PROJECT. DRAWINGS ARE NOT BASED ON SITE SURVEY. REPORT ANY DISCREPANCY IMMEDIATELY TO THE CITY PROJECT MANAGER.
- CONTRACTOR MUST CALL DIG ALERT PRIOR TO START OF ANY WORK.
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND SPECIFICATIONS, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY PROJECT MANAGER.
- ALL WORK SHALL BE PERFORMED ACCORDING TO THE LATEST CBC, CMC, CPC, CEC, CPSC, ASTM D1557, ASTM D1556, ALL APPLICABLE CITY OF RANCHO PALOS VERDES STANDARDS, CITY ORDINANCE, CALIFORNIA ENERGY STANDARDS AND THE LATEST ED. OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND ANY SUPPLEMENTS.
- THIS WORK SHALL BE INSTALLED BY A CALIFORNIA STATE LICENSED CONTRACTOR 'A' or 'B' WHO SHALL CARRY WORKMAN'S COMPENSATION, GENERAL LIABILITY AND ADDITIONAL INSURED ENDORSEMENT INSURANCE AS REQUIRED BY THE CITY OF RANCHO PALOS VERDES.
- CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED PERMITS PRIOR TO THE START OF CONSTRUCTION INCLUDING ALL REQUIRED DEPUTY OR SPECIAL INSPECTIONS. PERMIT ISSUED BY THE CITY OF RANCHO PALOS VERDES WILL REQUIRE NO FEE.
- CONTRACTOR SHALL PROVIDE PRELIMINARY AND FINAL LIEN RELEASES FROM ALL SUB-CONTRACTORS PRIOR TO FINAL PAYMENT.
- CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH DEMOLITION OR CONSTRUCTION SHOWN WHEN IT IS OBVIOUS THAT UNKNOWN CONDITIONS, OBJECTS, OR GRADE CHANGES EXIST THAT MAY HAVE NOT BEEN KNOWN DURING THE PREPARATION OF THIS PLAN. SUCH CONDITIONS, OBJECTS, OR GRADE CHANGES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY PROJECT MANAGER/REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTICE.
- UPON COMPLETION OF INSTALLATION AND ACCEPTANCE BY THE CITY, CONTRACTOR MUST PROVIDE CITY WARRANTY BOND OR SURETY BOND.
- CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS AND RUBBISH INCIDENTAL TO THE WORK. ALL CONSTRUCTION DEBRIS SHALL BE CLEARED FROM THE SITE AT THE END OF EACH DAY.
- CONTRACTOR'S ON-SITE DUMPSTER MUST BE FROM THE CITY OF RANCHO PALOS VERDES APPROVED COMPANIES.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF PROPERLY AND IN ACCORDANCE WITH THE PROCEDURES STATED IN THE APPENDIX I, WASTE MANAGEMENT PLANNING FOR CONSTRUCTION AND DEMOLITION (C&D) PROJECTS, OF THE BID DOCUMENTS.
- CONTRACTOR SHALL FOLLOW THE BEST MANAGEMENT PRACTICE (BMP) AND NATIONAL POLLUTANT DISCHARGE ELIMINATION (NPDES) GUIDELINES.
- ALL WORK MUST BE COMPLETED WITHIN 75 CALENDAR DAYS FROM NOTICE TO PROCEED. LIQUIDATED DAMAGES \$250 PER DAY EVERY ADDITIONAL DAYS. WORKING DAYS ARE MONDAY THRU FRIDAY. ANY ADDITIONAL COST ASSOCIATED WITH ANY WORK WHICH NEEDS TO BE DONE AFTER BUSINESS HOURS, ON THE WEEKENDS OR HOLIDAYS TO COMPLETE THE WORK WITHIN SCHEDULE IS DEEMED INCLUDED IN THE BID AMOUNT AND THE CITY SHALL NOT PAY ANY ADDITIONAL COST THEREFOR.
- ALL THE ITEM/EQUIPMENTS NOT REMOVED AS A PART OF THE CONTRACT MUST BE PROTECT IN PLACE AND ADJUSTED BY THE CONTRACTOR.
- CONTRACTOR SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (SWPP).
- ALL THE WORK INCLUDED IN THE SCOPE SHALL BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
- CONTRACTOR SHALL CONSTRUCT SAFETY FENCING AROUND ENTIRE PROJECT WITH MINIMUM OF 2 ACCESS GATES.
- CONTRACTOR SHALL PROVIDE 1 ADA COMPLIANT PORTABLE RESTROOM, 3 STANDARD PORTABLE RESTROOMS AND 4 PORTABLE HAND WASHING STATIONS DURING THE RESTROOMS RENOVATION. PORTABLE RESTROOMS & HAND WASHING STATIONS MUST BE CLEAN TWICE A WEEK ON MONDAY & FRIDAY MORNINGS. LOCATION OF PORTABLE RESTROOMS WILL BE DETERMINED PRIOR TO CONSTRUCTION BY CITY PROJECT MANAGER. CONTRACTORS SHALL BE RESPONSIBLE FOR THE RELOCATION OF THE RESTROOMS IF IT IS REQUIRED DUE TO THE CONSTRUCTION.

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**

**RYAN PARK RESTROOMS IMPROVEMENT  
AND ACCESSIBILITY COMPLIANCE**

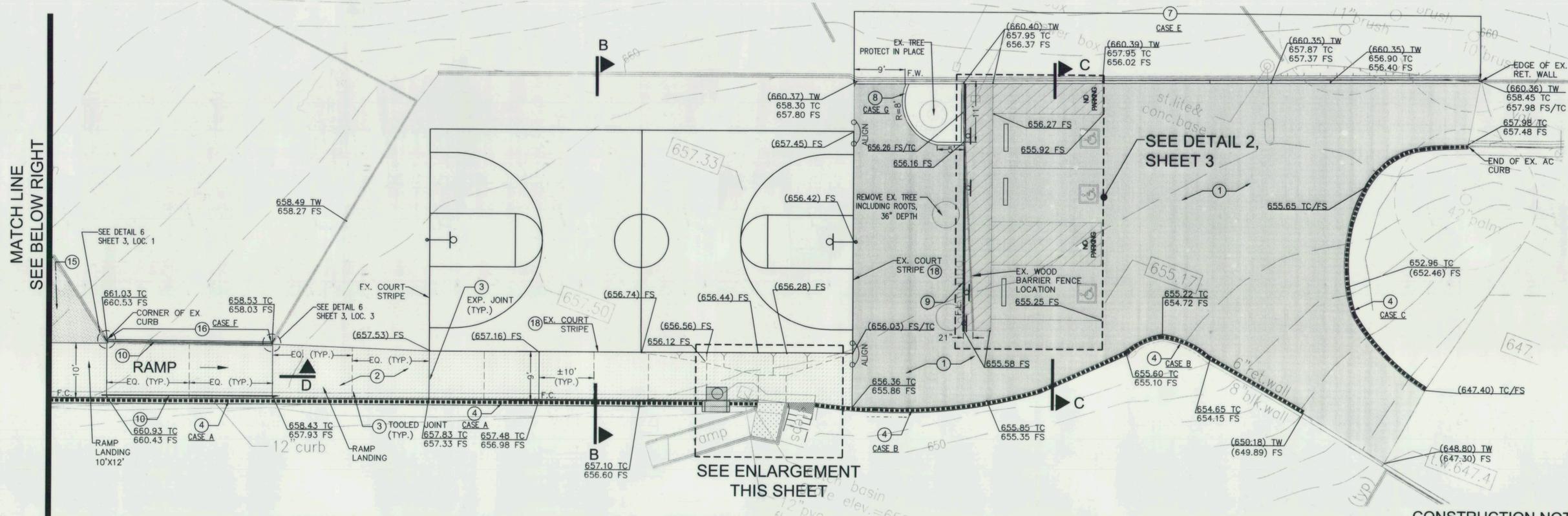
**TITLE SHEET**

DRAWN BY :	BN	SHT. 1 OF 20 SHTS	PLAN NO. <b>T-1</b>
DESIGNED BY :	BN		
CHECKED BY :	JH		



PLANS PREPARED BY:  
**WILLDAN**  
 Landscape Architecture  
 extending your reach  
 13191 CROSSROADS PARKWAY NORTH, SUITE 405  
 INDUSTRY, CA 91746-3497  
 (562) 908-6200  
 UNDER THE SUPERVISION OF:  
*Elroy L. Kiepe* 05/04/12  
 ELROY L. KIEPE RCE 22382 DATE

BENCH MARK:  
 NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
 DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_  
 SEE TOPOGRAPHIC SURVEY MAP  
 ROBERT RYAN PARK  
 PREPARED BY  
 MCGEE SURVEYING CONSULTING  
 805.964.3520

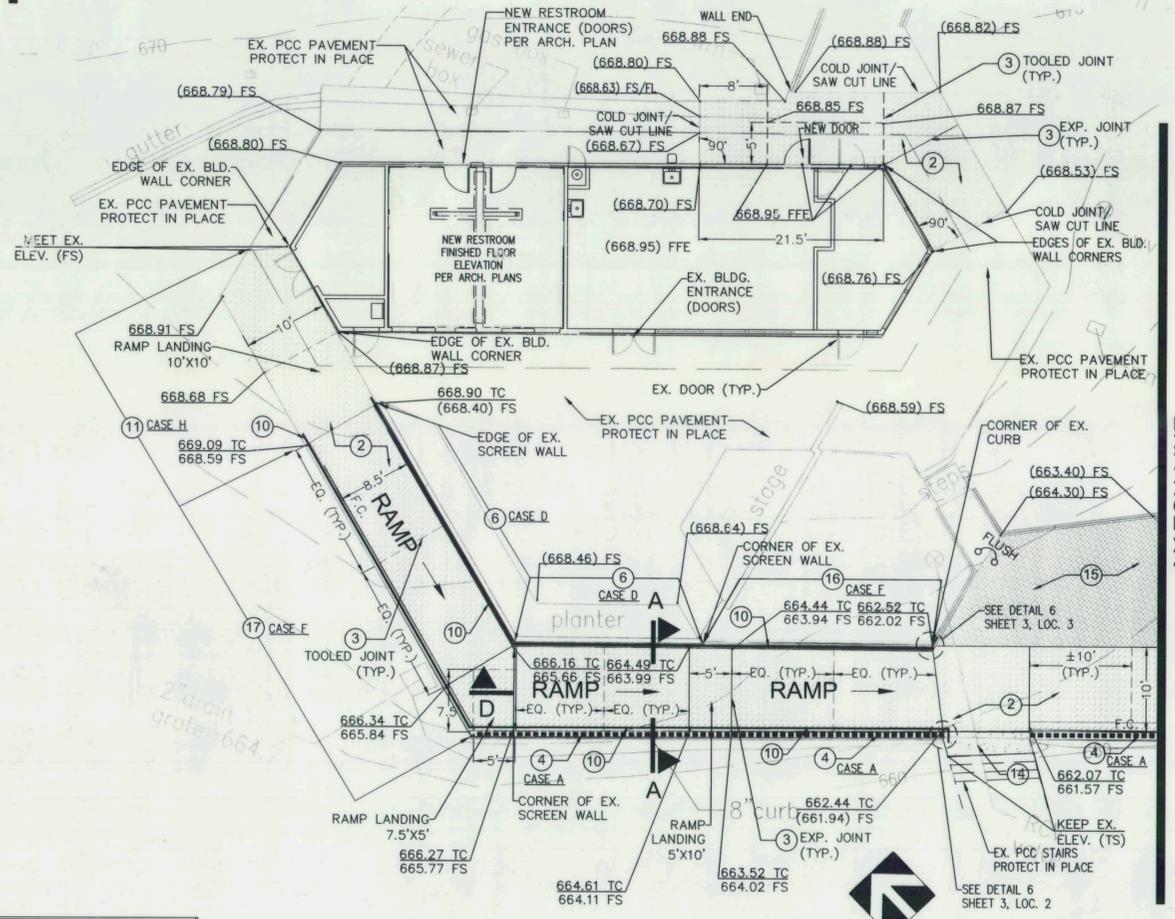


MATCH LINE SEE BELOW RIGHT

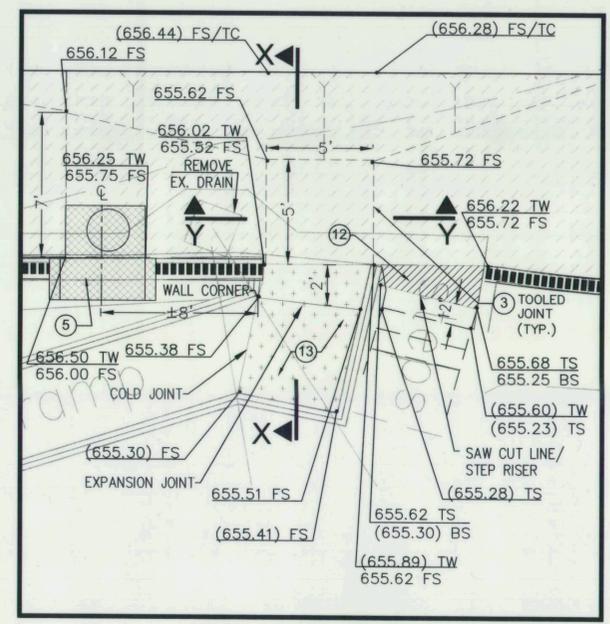
SEE ENLARGEMENT THIS SHEET

**CONSTRUCTION NOTES**

- 1 REMOVE EX. AC PAVEMENT AND BASE. CONSTRUCT 4" AC OVER 4" (CAB) CRUSHED AGG. BASE, COMPACT TOP 12" OF SUBGRADE TO 90% RELATIVE COMPACTION.
- 2 REMOVE EX. AC/PCC PAVEMENT AND CONSTRUCT 4" THICK NATURAL COLOR PCC PAVEMENT WITH LIGHT WASHED FINISH OVER 90% RELATIVE COMPACTION SUBGRADE. SEE DETAILS 4 & 5, SHEET 3.
- 3 CONSTRUCT CONTROL JOINT. SEE DETAIL 3, SHEET 3.
- 4 MODIFY/RECONSTRUCT EXISTING PCC RETAINING CURB. SEE DETAIL 4, SHEET 3.
- 5 REMOVE EXISTING DRAIN INLET ASSEMBLY AND CONSTRUCT CURB DRAIN INLET/CATCH BASIN PER SPPWC, LATEST ED. STANDARD PLAN 307-3. SEE DETAIL 1, SHEET 4.
- 6 CONSTRUCT 9" WIDE PCC RETAINING CURB. SEE DETAIL 5, CASE D, SHEET 3.
- 7 CONSTRUCT 9" WIDE PCC RETAINING CURB. SEE DETAIL 5, CASE F, SHEET 3.
- 8 CONSTRUCT 6" WIDE PCC CURB. SEE DETAIL 5, CASE G, SHEET 3.
- 9 REMOVE EXISTING WOOD BARRIER RAILING. REALIGN AND CONSTRUCT NEW WOOD BARRIER RAILING. LUMBER SIZES SHALL MATCH EXISTING. POSTS AND RAILS SHALL BE PRESSURE TREATED LUMBER FOR GROUND CONTACT. POSTS AND RAILS SHALL RECEIVE 1 COAT OF PRIMER AND 2 COATS OF FINISH. FINISH COLOR: WHITE - SOLID WOOD STAIN BY BEHR.
- 10 CONSTRUCT TUBULAR ALUMINUM RAMP HANDRAIL. COLOR: NATURAL ALUMINUM. SEE DETAIL 6, SHEET 3.
- 11 CONSTRUCT THICKENED EDGE PCC PAVING. SEE DETAIL 5, CASE H, SHEET 3.
- 12 SAW CUT, REMOVE EXISTING STAIRWAY LANDING AND CONSTRUCT ADDITIONAL PCC STEP AND NEW LANDING PER PLAN TO MEET NEW ELEVATIONS. PCC COLOR AND FINISH TO MATCH EXISTING.
- 13 SAW CUT, REMOVE EXISTING RAMP/STAIRWAY LANDING AND CONSTRUCT NEW PCC LANDING PER PLAN TO MEET NEW ELEVATIONS. PCC COLOR AND FINISH TO MATCH EXISTING.
- 14 GRIND EXISTING STAIRWAY LANDING TO MEET NEW ELEVATIONS PER PLAN.
- 15 REMOVE AND REPLACE EXISTING AC PAVEMENT TO MEET NEW ELEVATIONS PER PLAN.
- 16 SAW CUT AND REMOVE EXISTING PCC RETAINING CURB, WHERE OCCURS. CONSTRUCT NEW 9" PCC RETAINING CURB PER DETAIL 5, CASE F, SHEET 3.
- 17 REMOVE EXISTING PCC CURB AND CONSTRUCT NEW 9" WIDE PCC RETAINING CURB. SEE DETAIL 5, CASE F, SHEET 3.
- 18 RE-STRIPE EXISTING BASKETBALL BOUNDARY LINES AS NEEDED (COLOR AND WIDTH TO MATCH EXISTING) DUE TO CONSTRUCTION.



MATCH LINE SEE ABOVE LEFT



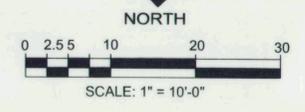
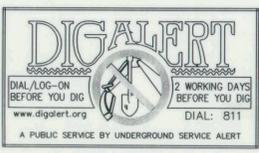
**ENLARGEMENT**  
SCALE: 1"=4'-0"

**GRADING KEY**

EQ.	EQUAL
F.C.	FACE OF CURB
F.L.	FENCE LINE
F.W.	FINISHED SURFACE
FS	FACE OF WALL
MIN.	MINIMUM
TC	TOP OF CURB
TS	TOP OF STEP
TW	TOP OF WALL
TYP.	TYPICAL

(XX.XX) EXISTING ELEVATION  
XX.XX NEW ELEVATION

SEE CROSS SECTIONS AND CONSTRUCTION DETAILS ON SHEETS 3 & 4



PLANS PREPARED BY:  
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(925) 908-6200  
UNDER THE SUPERVISION OF:  
*Elroy L. Kiepke*  
RCE 22382 DATE 05/04/12

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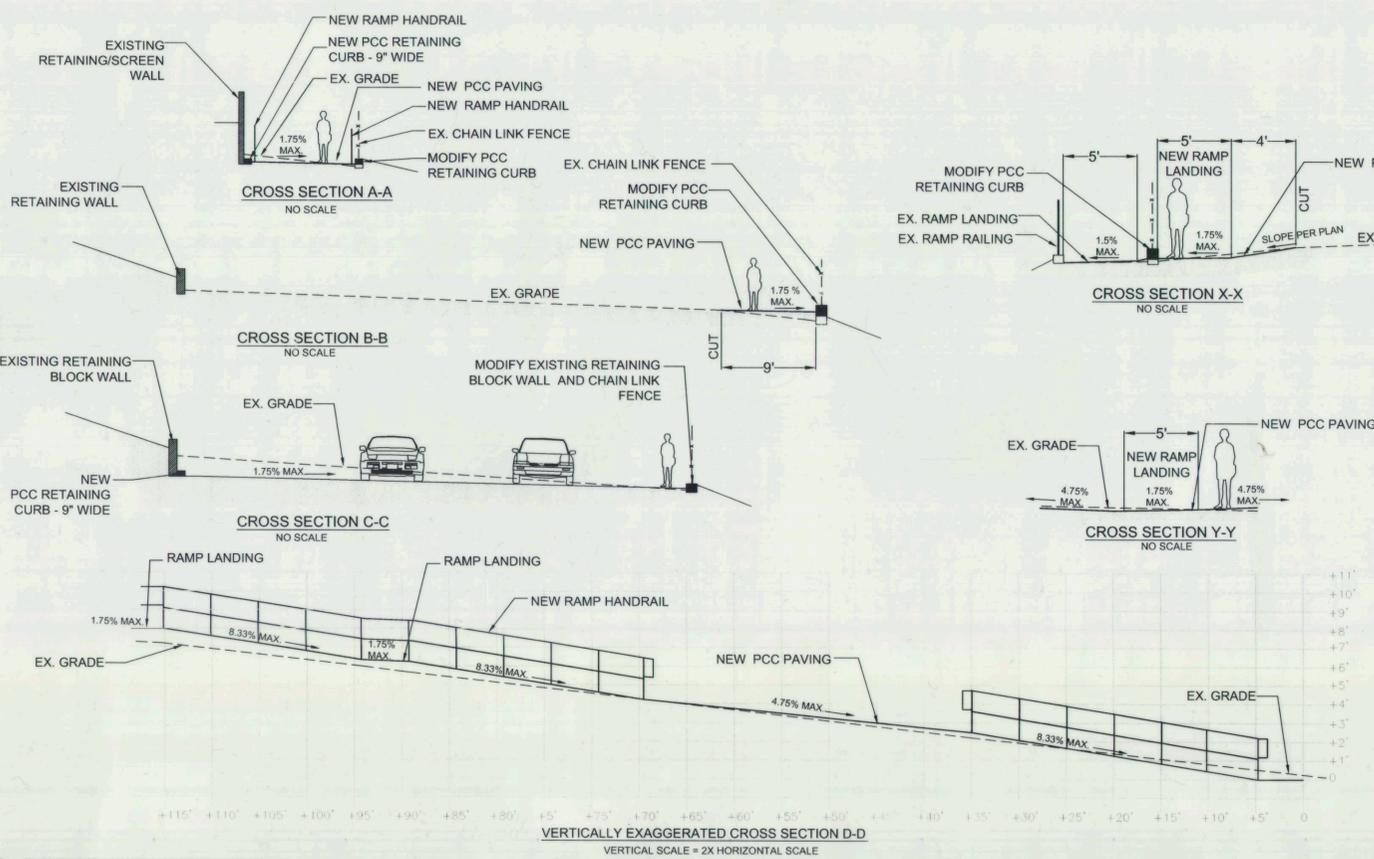
REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**

**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**

**SITE GRADING & CONSTRUCTION PLAN**

DRAWN BY :	BN	SHT. 2 OF 20 SHTS	PLAN NO. <b>C-1</b>
DESIGNED BY :	BN		
CHECKED BY :	JH		

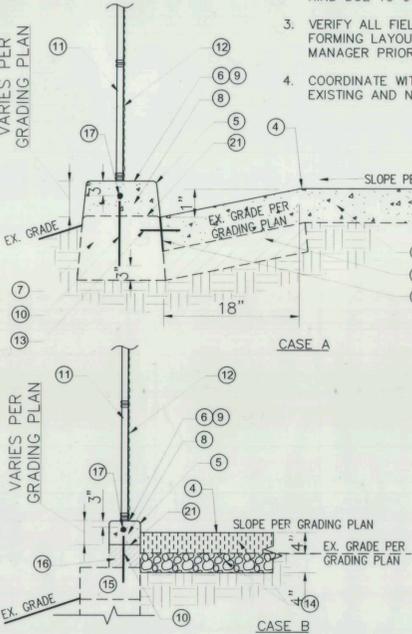


VERTICALLY EXAGGERATED CROSS SECTION D-D  
VERTICAL SCALE = 2X HORIZONTAL SCALE

CROSS SECTIONS

GENERAL NOTES:

- CHAIN LINK FENCE INSTALLATION SHALL FOLLOW SPPWC LATEST ED, STANDARD PLAN 600-3.
- FURNISH AND REPLACE ALL EXISTING DAMAGED CHAIN LINK FENCE COMPONENTS IN KIND DUE TO CONSTRUCTION.
- VERIFY ALL FIELD STAKING AND CONCRETE FORMING LAYOUTS WITH CITY PROJECT MANAGER PRIOR TO CONSTRUCTION.
- COORDINATE WITH GRADING PLAN FOR ALL EXISTING AND NEW ELEVATIONS.
- NEW 4" PCC PAVING OVER 90% COMPACTED SUBGRADE COLOR: NATURAL GREY FINISH: MEDIUM BROOM
- SAW CUT AND REMOVE EXISTING PCC GUTTER WHERE OCCURS
- SAW CUT LINE/COLD JOINT FILL COLD JOINT WITH CONCRETE EPOXY\* AFTER PCC PAVING HAS BEEN CONSTRUCTED. \*CONCRETE EPOXY SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE OR APPROVED EQUAL. FINISHED SURFACE ELEV. PER GRADING PLAN
- FINISHED SURFACE ELEV. PER GRADING PLAN
- 1/2" RADIUS (TYP.)
- TOP OF CURB ELEV. PER GRADING PLAN
- EXISTING CONCRETE RETAINING CURB- PROTECT IN PLACE
- NEW PCC RETAINING CURB WIDTH: MATCH EXISTING PCC COLOR AND FINISH: MATCH EXISTING
- CONSTRUCT EXPANSION JOINT @ 20' O.C. AND TOOLED JOINT @ 10' O.C. OR AT LOCATIONS AS SHOWN ON PLAN. SEE DETAIL 3, THIS SHEET
- #4 X 9" (OR AS REQUIRED) REBAR @ 4' O.C.
- EXISTING CHAIN LINK FENCE POST, WHERE OCCURS - PROTECT IN PLACE (TYP.)
- REMOVE AND RE-INSTALL EXISTING CHAIN LINK FENCE FABRIC TO ACCOMMODATE NEW CURB
- SPEED DOWEL PER DETAIL 3, THIS SHEET
- NEW 4" AC PAVEMENT OVER 4" CAB PER SITE GRADING & CONSTRUCTION PLAN
- EXISTING RETAINING BLOCK WALL - PROTECT IN PLACE
- EXISTING PCC RETAINING CURB/RETAINING BLOCK WALL - PROTECT IN PLACE
- #4 REBAR, CONTINUOUS
- SAW CUT LINE/COLD JOINT
- EXISTING AC PAVEMENT
- THICKENED EDGE PCC
- CHIP EXISTING TOP OF CURB FINISHED SURFACE PRIOR TO POUR NEW PCC

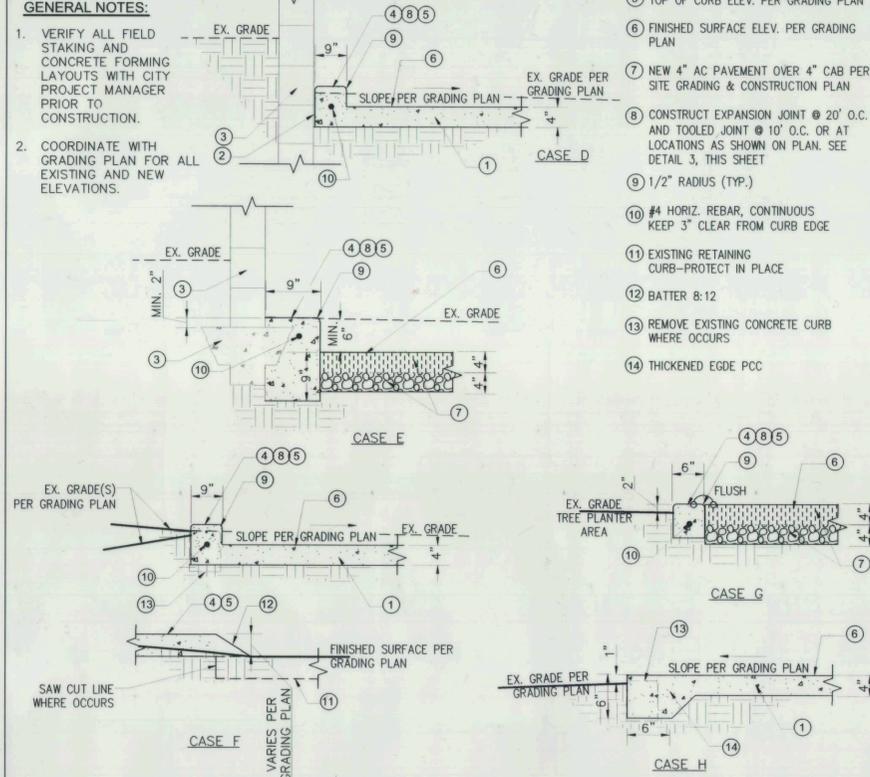


MODIFIED PCC RETAINING CURB & PCC/AC PAVING

NTS

GENERAL NOTES:

- VERIFY ALL FIELD STAKING AND CONCRETE FORMING LAYOUTS WITH CITY PROJECT MANAGER PRIOR TO CONSTRUCTION.
- COORDINATE WITH GRADING PLAN FOR ALL EXISTING AND NEW ELEVATIONS.
- NEW 4" PCC PAVING OVER 90% COMPACTED SUBGRADE PER DETAIL 4, CASE A, THIS SHEET.
- COLD JOINT
- EXISTING RETAINING/SCREEN WALL AND FOOTING-PROTECT IN PLACE
- NEW PCC RETAINING CURB
- TOP OF CURB ELEV. PER GRADING PLAN
- FINISHED SURFACE ELEV. PER GRADING PLAN
- NEW 4" AC PAVEMENT OVER 4" CAB PER SITE GRADING & CONSTRUCTION PLAN
- CONSTRUCT EXPANSION JOINT @ 20' O.C. AND TOOLED JOINT @ 10' O.C. OR AT LOCATIONS AS SHOWN ON PLAN. SEE DETAIL 3, THIS SHEET
- 1/2" RADIUS (TYP.)
- #4 HORIZ. REBAR, CONTINUOUS KEEP 3" CLEAR FROM CURB EDGE
- EXISTING RETAINING CURB-PROTECT IN PLACE
- BATTER 8:12
- REMOVE EXISTING CONCRETE CURB WHERE OCCURS
- THICKENED EDGE PCC



PCC RETAINING CURB & PCC/AC PAVING

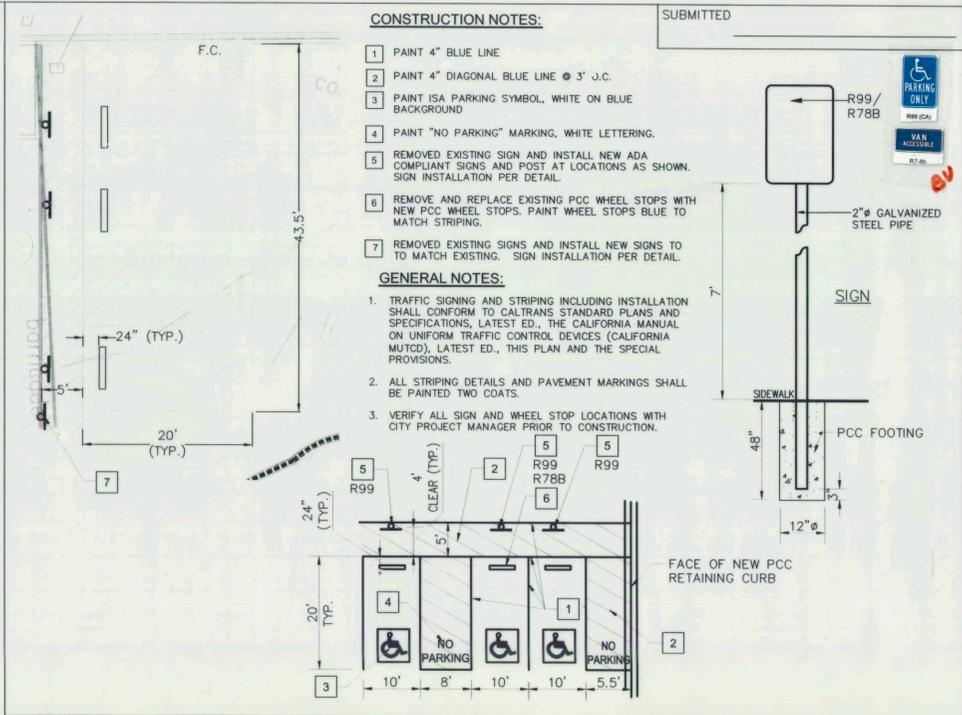
NTS

CONSTRUCTION NOTES:

- PAINT 4" BLUE LINE
- PAINT 4" DIAGONAL BLUE LINE @ 3' J.C.
- PAINT ISA PARKING SYMBOL, WHITE ON BLUE BACKGROUND
- PAINT "NO PARKING" MARKING, WHITE LETTERING.
- REMOVE EXISTING SIGN AND INSTALL NEW ADA COMPLIANT SIGNS AND POST AT LOCATIONS AS SHOWN. SIGN INSTALLATION PER DETAIL.
- REMOVE AND REPLACE EXISTING PCC WHEEL STOPS WITH NEW PCC WHEEL STOPS. PAINT WHEEL STOPS BLUE TO MATCH STRIPING.
- REMOVE EXISTING SIGNS AND INSTALL NEW SIGNS TO MATCH EXISTING. SIGN INSTALLATION PER DETAIL.

GENERAL NOTES:

- TRAFFIC SIGNING AND STRIPING INCLUDING INSTALLATION SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS, LATEST ED., THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD), LATEST ED., THIS PLAN AND THE SPECIAL PROVISIONS.
- ALL STRIPING DETAILS AND PAVEMENT MARKINGS SHALL BE PAINTED TWO COATS
- VERIFY ALL SIGN AND WHEEL STOP LOCATIONS WITH CITY PROJECT MANAGER PRIOR TO CONSTRUCTION.

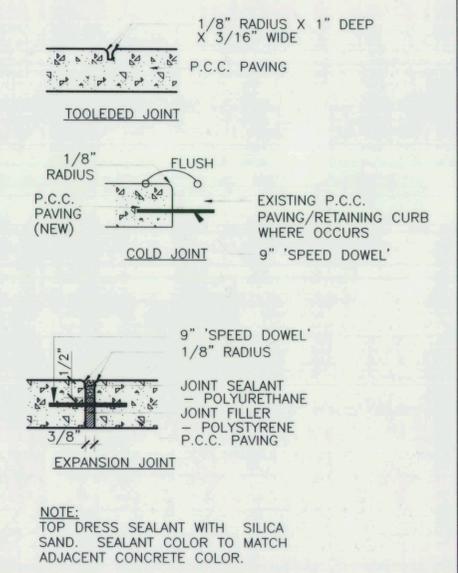


PARKING STALL STRIPING

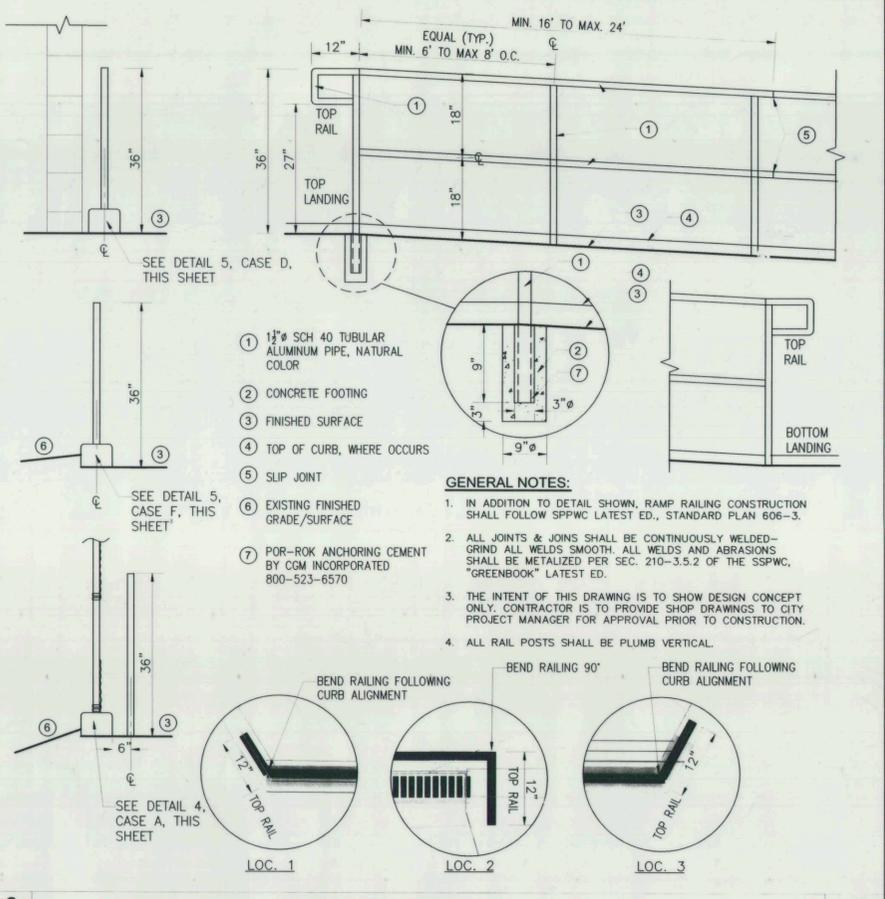
NOTE: EXISTING WALL AND FOOTING INFO. SHOWN IN CASE E HAS BEEN OBTAINED FROM CITY OF PALOS VERDES FIELD VERIFICATION.

- NEW 4" PCC PAVING OVER 90% COMPACTED SUBGRADE PER DETAIL 4, CASE A, THIS SHEET.
- COLD JOINT
- EXISTING RETAINING/SCREEN WALL AND FOOTING-PROTECT IN PLACE
- NEW PCC RETAINING CURB
- TOP OF CURB ELEV. PER GRADING PLAN
- FINISHED SURFACE ELEV. PER GRADING PLAN
- NEW 4" AC PAVEMENT OVER 4" CAB PER SITE GRADING & CONSTRUCTION PLAN
- CONSTRUCT EXPANSION JOINT @ 20' O.C. AND TOOLED JOINT @ 10' O.C. OR AT LOCATIONS AS SHOWN ON PLAN. SEE DETAIL 3, THIS SHEET
- 1/2" RADIUS (TYP.)
- #4 HORIZ. REBAR, CONTINUOUS KEEP 3" CLEAR FROM CURB EDGE
- EXISTING RETAINING CURB-PROTECT IN PLACE
- BATTER 8:12
- REMOVE EXISTING CONCRETE CURB WHERE OCCURS
- THICKENED EDGE PCC

SUBMITTED \_\_\_\_\_ DATE \_\_\_\_\_ APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
CITY ENGINEER \_\_\_\_\_



JOINT DETAIL (S)



RAMP GUARDRAIL

REVISIONS		
NO.	DESCRIPTION	APP. DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**  
**CONSTRUCTION DETAILS**

DRAWN BY: BN  
DESIGNED BY: BN  
CHECKED BY: JH

SHT. 3 OF 20 SHTS  
PLAN NO. C-2



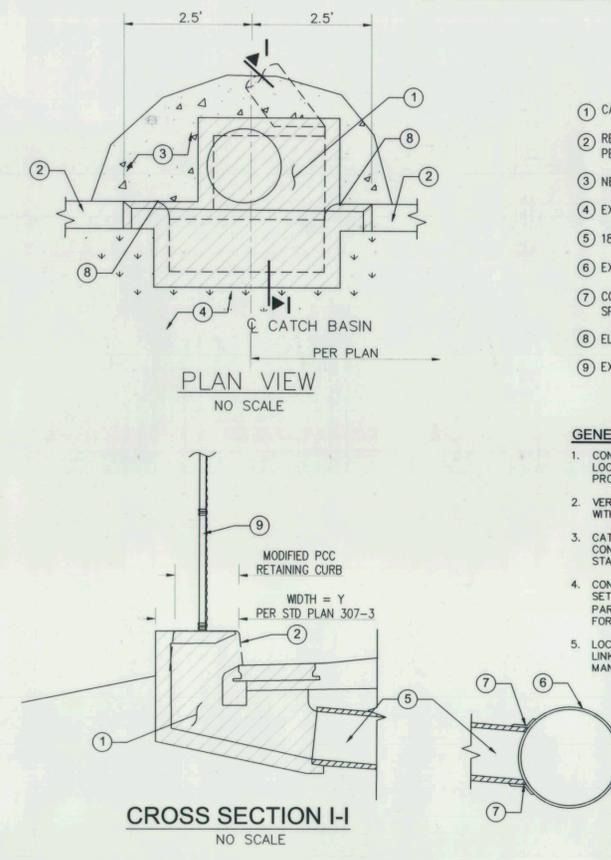
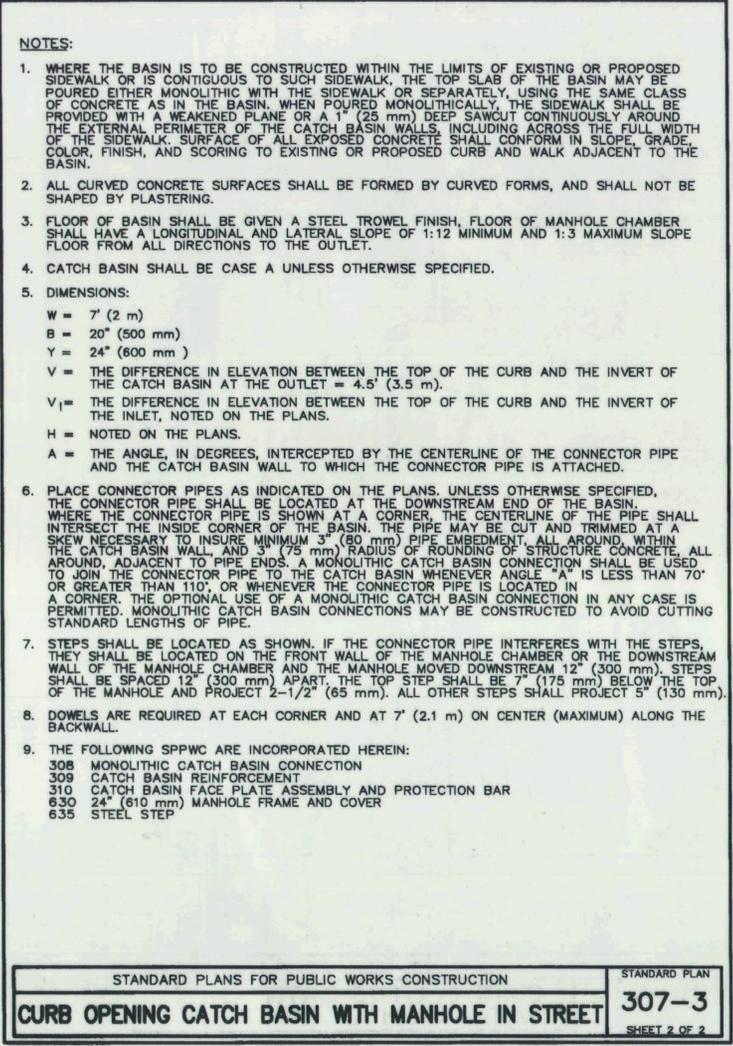
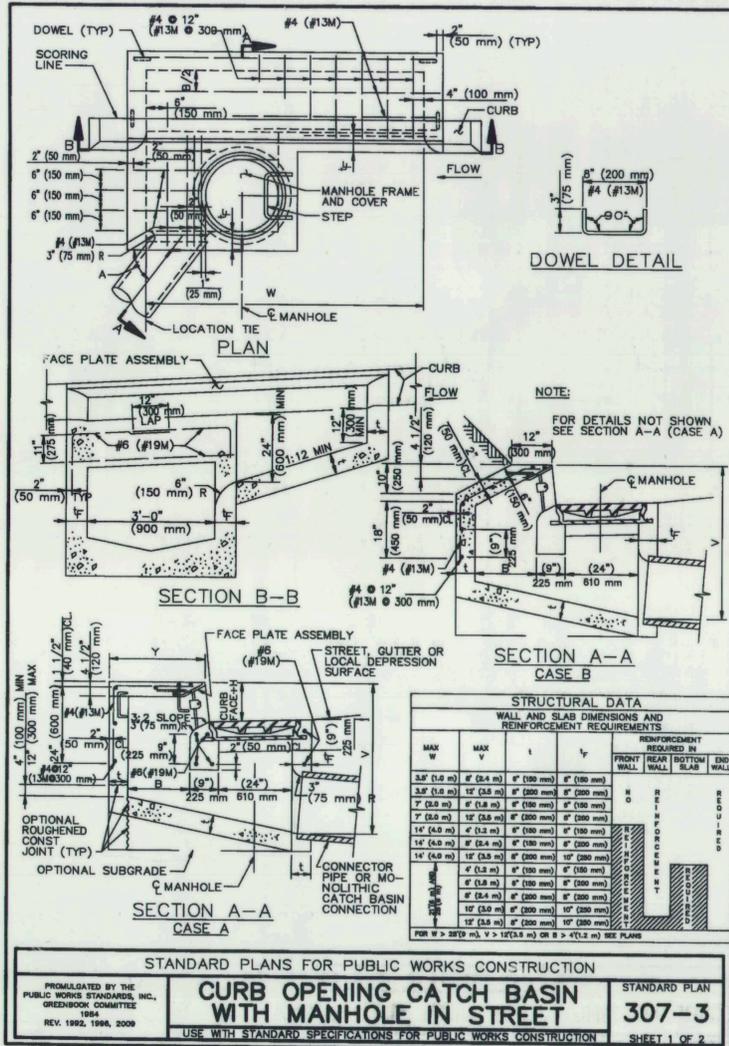
PLANS PREPARED BY:  
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05/04/12  
ELROY L. KIEPKKE RCE 22382 DATE

BENCH MARK:  
NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_

SEE TOPOGRAPHIC SURVEY MAP  
ROBERT RYAN PARK  
PREPARED BY  
MCGEE SURVEYING CONSULTING  
805.964.3520



- CATCH BASIN ASSEMBLY PER SPPWC LATEST ED., STD. PLAN 307-3
- RECONSTRUCTED/MODIFIED PCC RETAINING CURB PER DETAIL 4, CASE A, SHEET 3.
- NEW PCC PAVEMENT
- EXISTING SLOPE TURF AREA
- 18" SDR 35 PVC DRAIN PIPE
- EXISTING GCS STORM DRAIN PIPE
- CONNECT NEW 18" SDR 35 PVC PIPE TO EXISTING STORM DRAIN PIPE PER SPPWC LATEST ED., STD. PLAN 335-2
- ELEVATIONS PER GRADING PLAN
- EXISTING CHAIN LINK FENCE POST, WHERE OCCURS

- GENERAL NOTES:**
- CONTRACTOR SHALL POT HOLE AND FIELD VERIFY EXACT LOCATION OF EXISTING STORM DRAIN PIPE WITH CITY PROJECT MANAGER PRIOR TO CONSTRUCTION.
  - VERIFY LOCATION OF STORM DRAIN PIPE CONNECTION POINT WITH CITY PROJECT MANAGER PRIOR TO CONSTRUCTION.
  - CATCH BASIN ASSEMBLY CONSTRUCTION AND STORM DRAIN CONNECTION SHALL FOLLOW THE SPPWC LATEST ED., STANDARD PLANS AS SPECIFIED.
  - CONTRACTOR SHALL CONTACT THE CITY AND OBTAIN A COPY SET OF THE AS-BUILTS FOR THE PALOS VERDES COUNTY PARK, PREPARED BY EDWIN H. RIPPERDAN, AIA - 2/27/1970 FOR INFO. AND REFERENCE.
  - LOCATE CATCH BASIN ASSEMBLY BETWEEN EXISTING CHAIN LINK FENCE POSTS. VERIFY LOCATION WITH CITY PROJECT MANAGER PRIOR TO CONSTRUCTION.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION  
**CURB OPENING CATCH BASIN WITH MANHOLE IN STREET**  
 307-3  
 SHEET 2 OF 2

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION  
**CURB OPENING CATCH BASIN WITH MANHOLE IN STREET**  
 307-3  
 SHEET 1 OF 2

MODIFIED PCC CURB OPENING CATCH BASIN

NTS



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**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**  
**CONSTRUCTION DETAILS**

DRAWN BY: BN  
 DESIGNED BY: BN  
 CHECKED BY: JH

SHT. 4 OF 20 SHTS  
 PLAN NO. C-3



# ACCESSIBILITY NOTES

SUBMITTED	APPROVED
DATE	CITY ENGINEER
DATE	DATE

**R. SANITARY FACILITY FIXTURES & ACCESSORIES**

4.1. ACCESSIBLE WATER CLOSETS. WATER CLOSETS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SUBSECTION 1115B.4.1.

1. THE CENTER LINE OF THE WATER CLOSET FIXTURE SHALL BE 18 INCHES FROM THE SIDE WALL OR PARTITION. ON THE OTHER SIDE OF THE WATER CLOSET, PROVIDE A MINIMUM OF 28 INCHES WIDE CLEAR FLOOR SPACE IF THE WATER CLOSET IS ADJACENT TO A FIXTURE OR A MINIMUM 32 INCHES WIDE CLEAR FLOOR SPACE IF THE WATER CLOSET IS ADJACENT TO A WALL OR PARTITION. THIS CLEAR FLOOR SPACE SHALL EXTEND FROM THE REAR WALL TO THE FRONT OF THE WATER CLOSET. SEC. 1115B.4.1

2. PROVIDE CLEAR FLOOR SPACE AND MANEUVERING SPACE AT ACCESSIBLE WATER CLOSETS IN COMPLIANCE WITH SECTION 1115B.4.1, ITEM 2. REFER TO SECTION 1115B.3.1 ITEMS 4.2 AND 4.3. FOR ADDITIONAL REQUIRED MANEUVERING SPACE AT MULTIPLE-ACCOMMODATION TOILET FACILITIES, REFER TO SECTION 1115B.3.2, ITEM 3 FOR ADDITIONAL REQUIRED MANEUVERING SPACE AT SINGLE ACCOMMODATION TOILET FACILITIES. SEC. 1115B.4.1 ITEM 2.

2.1. WHERE A WATER CLOSET IS NOT WITHIN A WATER CLOSET COMPARTMENT, CLEAR FLOOR SPACE AROUND THE WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL CLOSEST TO THE WATER CLOSET AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. SEE FIGURE 11B-1E(c).

2.2. WHERE A WALL MOUNTED WATER CLOSET IS INSTALLED WITHIN AN ACCESSIBLE WATER CLOSET COMPARTMENT, CLEAR FLOOR SPACE AROUND THE WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 59 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. SEE FIGURE 11B-1E(c), (d), AND (e).

2.3. WHERE A WATER CLOSET IS INSTALLED WITHIN AN ACCESSIBLE WATER CLOSET COMPARTMENT WITH AN IN-SWING DOOR, A MINIMUM 60 INCHES WIDE BY 36 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE CLEAR FLOOR SPACE REQUIRED IN ITEM 2.2. SEE FIGURES 11B-1E (c) AND (e).

EXEMPTION: AN ADJACENT FIXTURE AT THE REAR WALL IS PERMITTED TO ENCRoACH INTO THE REQUIRED CLEAR FLOOR SPACE AT THE WIDE SIDE OF THE WATER CLOSET WHERE CLEARANCE ARE PROVIDED IN COMPLIANCE WITH SECTION 1115B.4.1, ITEM 1.

3. GRAB BAR FOR WATER CLOSETS NOT LOCATED WITHIN A COMPARTMENT SHALL COMPLY WITH SECTION 1115B.7 AND SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL. GRAB BARS FOR WATER CLOSET LOCATED WITHIN AN ACCESSIBLE COMPARTMENT SHALL COMPLY WITH SECTION 1115B.7 AND SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL. GRAB BARS FOR WATER CLOSETS LOCATED WITHIN AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH SECTION 1115B.7 AND SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT. SEC 1115B.4.1.3

GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES INTO THE REQUIRED CLEAR FLOOR SPACE. SEC 1115B.4.1.3

3.1. SIDE WALL. THE SIDE GRAB BAR SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MINIMUM FROM THE REAR WALL AND EXTEND 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITION 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET. THE SIDE GRAB BAR SHALL BE SECURELY ATTACHED AND CENTERED 33 INCHES ABOVE AND PARALLEL TO THE FLOOR. SEC 1115B.4.1.3.3.1

3.2. THE REAR GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. THE REAR GRAB BAR SHALL BE SECURELY ATTACHED AND CENTERED 33 INCHES ABOVE AND PARALLEL TO THE FLOOR, EXCEPT THAT WHERE A TANK-TYPE IS USED WHICH OBSTRUCTS PLACEMENT AT 33 INCHES, THE GRAB BAR MAY BE AS HIGH AS 36 INCHES AND THE SPACE BETWEEN THE GRAB BAR AND THE TOP OF THE TANK SHALL BE 1 1/2 INCHES MINIMUM. SEC 1115B.4.1.3.3.2

4. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17 INCHES AND A MAXIMUM OF 19 INCHES MEASURED TO THE TOP OF A MAXIMUM 2-INCH HIGH TOILET SEAT. SEC 1115B.4.1.4

EXCEPTION: A 3 INCH HIGH SEAT SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15 INCHES HIGH. SEC 1115B.4.1.4

5. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREA, NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS-FORCE (lb) SEC 1115B.4.1.5

6. SEE SECTION 1134A.7 FOR ADDITIONAL REQUIREMENTS FOR WATER CLOSETS IN PUBLICLY FUNDED HOUSING AND ALL NON-RESIDENTIAL OCCUPANCIES. SEC 1115B.4.1.6

7. AUTOMATIC SPRING TO LIFTED POSITION SEATS ARE NOT ALLOWED.

4.2. ACCESSIBLE URINALS. URINALS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SUBSECTION 1115B.4.2 SEC 1115B.4.2

1. URINALS SHALL BE FLOOR MOUNTED, STALL-TYPE OR WALL HUNG. WHERE ONE OR MORE WALL HUNG URINALS ARE PROVIDED AT LEAST ONE WITH AN ELONGATED RIM PROJECTING A MINIMUM OF 14 INCHES FROM THE WALL AND AT A MAXIMUM OF 17 INCHES FROM THE WALL AND A MAXIMUM OF 17 INCHES ABOVE THE FLOOR SHALL BE PROVIDED. SEC 1115B.4.2.1

2. FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROL SHALL BE NO GREATER THAN 5 LBF. ELECTRONIC AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE. SEC 1115B.4.2.2

3. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH. THIS CLEAR SPACE SHALL COMPLY WITH SECTION 1118B.4 SEC 1115B.4.2.3

4.3. ACCESSIBLE LAVATORIES. LAVATORIES REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SUBSECTION 1115B.4.3. THE REQUIREMENTS OF SUBSECTION 1115B.4.3 SHALL APPLY TO LAVATORY FIXTURES, VANITIES AND BUILT-IN LAVATORIES. SEC 1115B.4.3

1. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND IN ACCORDANCE WITH THIS CHAPTER 11B AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. LEVER-OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS (PREFERABLE) ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. SEC 1115B.4.3.1

2. LAVATORIES, WHEN LOCATED ADJACENT TO A SIDE WALL OR PARTITION, SHALL BE A MINIMUM OF 18 INCHES TO THE CENTERLINE OF THE FIXTURE. ALL LAVATORIES THAT ARE DESIGNATED TO BE ACCESSIBLE SHALL BE A MINIMUM 17 INCHES IN HORIZONTAL DEPTH AND MOUNTED WITH THE RIM OR COUNTER EDGE NO HIGHER THAN 34 INCHES ABOVE THE FINISHED FLOOR AND WITH VERTICAL CLEARANCE MEASURED FROM THE BOTTOM OF THE APRON OR THE OUTSIDE BOTTOM EDGE OF LAVATORY OF 29 INCHES REDUCING TO 27 INCHES AT A POINT LOCATED 8 INCHES BACK FROM THE FRONT EDGE. IN ADDITION, A MINIMUM 9-INCH-HIGH TOE CLEARANCE MUST BE PROVIDED EXTENDING BACK TOWARD THE WALL TO A DISTANCE NO MORE THAN 6 INCHES FROM THE BACK WALL. THE TOE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT OR OBSTRUCTIONS. SEC 1115B.4.3.2

3. A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES COMPLY WITH SECTION 1118B.4 SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAXIMUM OF 19 INCHES INTO THE KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. SEE FIGURE 11B-1D. KNEE CLEARANCE. SEC 1115B.4.3.3

4. HOT WATER AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE LAVATORIES. SEC 1115B.4.3.4

8.1. MIRRORS

1. ALL MIRRORS LOCATED ABOVE ACCESSIBLE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTED SURFACE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. SEC 1115B.8.1.1

2. WHEN MIRRORS ARE PROVIDED AT LOCATIONS OTHER THAN ABOVE LAVATORIES OR COUNTERTOPS, AT LEAST ONE SHALL BE INSTALLED WITH THE BOTTOM EDGE IF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. SEC 1115B.8.1.2

3. MIRRORS IN FITTING AND DRESSING AREAS SHALL COMPLY WITH SECTION 1117B.8. SEC 1115B.8.1.3

8.1. WHERE MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES ABOVE THE FLOOR. A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES COMPLYING WITH SECTION 1118B.4 SHALL BE PROVIDED IN FRONT OF A MEDICINE CABINET TO ALLOW A FORWARD OR PARALLEL APPROACH. SEC 1115B.8.2

8.3. WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, DISPENSERS, OTHER EQUIPMENT AND CONTROLS ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE, WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 INCHES FROM THE FINISH FLOOR SHALL COMPLY WITH SECTION 1117B.6 CONTROLS AND OPERATING MECHANISMS. SEC 1115B.8.3

8.4. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT MOUNTED BELOW THE GRAB BAR, AT A MINIMUM HEIGHT OF 19 INCHES AND 36 INCHES MAXIMUM TO THE FAR EDGE FROM THE REAR WALL. DISPENSER THAT CONTROL THE DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED. SEE FIGURE 11B-1A. SEC 1115B.8.4

**S. GRAB BARS**

1. GRAB BARS FOR WATER CLOSET NOT LOCATED WITHIN A COMPARTMENT SHALL COMPLY WITH SECTION 1115B.7 AND SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL. GRAB BARS FOR WATER CLOSET LOCATED WITHIN AN ACCESSIBLE COMPARTMENT SHALL COMPLY WITH SECTION 1115B.7 AND SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL. GRAB BARS FOR WATER CLOSET LOCATED WITHIN AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH SECTION 1115B.7 AND SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT. SEC 1115B.4.1.3

GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES INTO THE REQUIRED CLEAR FLOOR SPACE. SEC 1115B.4.1.3

a. SIDE WALL. THE SIDE GRAB BAR SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTEND 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITION 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET. THE SIDE GRAB BAR SHALL BE SECURELY ATTACHED AND CENTERED 33 INCHES ABOVE AND PARALLEL TO THE FLOOR. SEC 1115B.4.1.3.3.1

b. THE REAR GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. THE REAR GRAB BAR SHALL BE SECURELY ATTACHED AND CENTERED 33 INCHES ABOVE AND PARALLEL TO THE FLOOR, EXCEPT THAT WHERE A TANK-TYPE IS USED WHICH OBSTRUCTS PLACEMENT AT 33 INCHES, THE GRAB BAR MAY BE AS HIGH AS 36 INCHES AND THE SPACE BETWEEN THE GRAB BAR AND THE TOP OF THE TANK SHALL BE 1 1/2 INCHES MINIMUM. SEC 1115B.4.1.3.3.2

2. ALL GRAB BARS, TUB AND SHOWER SEATS SHALL COMPLY WITH THIS SECTION. SEC 1115B.7

3. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4 INCHES TO 1-1/2 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2 INCHES. SEE FIGURE 11B-1C. SEC 1115B.7.1

4. THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATIONS. SEC 1115B.7.2

a. BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF A 250-POUND POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. SEC 1115B.7.2.1

b. SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF A 250-POUND POINT LOAD SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT, AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS. SEC 1115B.7.2.2

c. SHEAR FORCE INDUCED IN FASTENER OR MOUNTING DEVICES FROM THE APPLICATION OF A 250-POUND POINT LOAD SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD. SEC 1115B.7.2.3

d. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF A 250-POUND POINT LOAD, PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF A 250-POUND POINT LOAD, SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND SUPPORTING STRUCTURE. SEC 1115B.7.2.4

e. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. SEC 1115B.7.2.5

4. A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF AN 1/8 INCH. SEC 1115B.7.3

**T. BATHING FACILITIES & LOCKERS**

(NOT APPLICABLE)

**U. DRINKING FOUNTAINS**

1. WHERE ONLY ONE DRINKING FOUNTAIN AREA IS PROVIDED ON A FLOOR, THERE SHALL BE A DRINKING FOUNTAIN WHICH IS ACCESSIBLE TO INDIVIDUALS WHO USE WHEELCHAIRS IN ACCORDANCE SECTION 1115B.4.6 AND ONE ACCESSIBLE TO THOSE WHO HAVE DIFFICULTY BENDING OR STOOPING. THIS CAN BE ACCOMMODATED BY THE USE OF A HI-LOW FOUNTAIN OR BY SUCH OTHER MEANS AS WOULD ACHIEVE THE REQUIRED ACCESSIBILITY FOR EACH GROUP ON EACH FLOOR. SEC 1115B.4.6.1

2. WHERE MORE THAN ONE DRINKING FOUNTAIN IS PROVIDED ON A FLOOR, 50 PERCENT OF THOSE PROVIDED SHALL COMPLY WITH ITEM 1, 2, 4 AND 5 OF SECTION 1115B.4.6 AND SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH SECTION 1114B.1.2 ALL DRINKING FOUNTAIN SHALL COMPLY WITH ITEM 3 OF SECTION 1115B.4.6. SEC 1115B.4.6.1

3. WALL- AND POST-MOUNTED CANTILEVERED DRINKING FOUNTAINS SHALL BE A MINIMUM OF 18 INCHES AND A MAXIMUM 19 INCHES IN DEPTH AND SHALL HAVE A KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FLOOR OR GROUND NOT LESS THAN 27 INCHES IN HEIGHT, 30 INCHES IN WIDTH AND 8 INCHES IN DEPTH, THE DEPTH MEASUREMENTS BEING TAKEN FROM THE EDGE OF THE FOUNTAIN BACK TOWARD THE WALL OR MOUNTING POST. SEC 1115B.4.6.2

4. THE KNEE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT OR OBSTRUCTIONS. ADDITIONALLY THERE SHALL BE A TOE CLEARANCE OF 9 INCHES IN HEIGHT ABOVE THE FLOOR AND 17 INCHES IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN. THE TOE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT AND OBSTRUCTIONS. SEC 1115B.4.6.2

5. A CLEAR FLOOR SPACE AT LEAST 30 INCHES BY 48 INCHES COMPLYING WITH SECTION 1118B.4 SHALL BE PROVIDED IN FRONT OF THE DRINKING FOUNTAIN TO ALLOW FORWARD APPROACH. SEC 1115B.4.6.2

6. A SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE. SEC 1115B.4.6.2

7. ALL DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCRoACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE WATER FOUNTAIN IS LOCATED SHALL BE NOT LESS THAN 32 INCHES IN WIDTH AND 18 INCHES IN DEPTH. SEE FIGURE 11B-3 OF THIS CBC. ADDITIONALLY, ALCOVES SHALL COMPLY WITH SECTION 1118B.4, ITEM 2. SEC 1115B.4.6.3.

8. PROTRUDING OBJECTS LOCATED IN ALCOVES OR OTHERWISE POSITIONED SO AS TO LIMIT ENCRoACHMENT INTO PEDESTRIAN WAY ARE PERMITTED TO PROJECT 4 INCHES INTO WALKS, HALLS, CORRIDORS, PASSAGEWAY OR AISLES. SEC 1115B.4.6.3

9. THE DRINKING FOUNTAIN BUBBLER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM COMPLYING WITH SECTION 1117B.6, ITEM 4 THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE FOUNTAIN OR AN ELECTRONICALLY CONTROLLED DEVICE (PREFERABLY) SEC 1115B.4.6.4

10. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE DRINKING FOUNTAIN AND WITHIN 36 INCHES OF THE FLOOR. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN. SEC 1115B.4.6.4

11. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4 INCHES HIGH SO AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. ON AN ACCESSIBLE DRINKING FOUNTAIN WITH A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3 INCHES OF THE FRONT EDGE OF THE FOUNTAIN. SEC 1115B.4.6.5

**V. PUBLIC TELEPHONES**

(NOT APPLICABLE)

**W. AUTOMATIC TELLER & POINT OF SALE MACHINES**

(NOT APPLICABLE)

**X. CARD READER DEVICES AT FUEL DISPENSING FACILITIES**

(NOT APPLICABLE)

**Y. CONTROLS & OPERATING MECHANISMS & ELECTRICAL**

1. CONTROLS AND OPERATING MECHANISMS IN ACCESSIBLE SPACES, ALONG ACCESSIBLE ROUTES OR AS PART OF ACCESSIBLE ELEMENTS (FOR EXAMPLE, LIGHT SWITCHES AND DISPENSER CONTROLS) AND THOSE REQUIRED TO BE ACCESSIBLE BY SECTION 1.9.1 SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 1117B.6. SEC 1117B.6.1

2. CLEAR FLOOR SPACE COMPLYING WITH SECTION 1118B.4 THAT ALLOWS A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT. SEC 1117B.6.2

3. THE HIGHEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN AT LEAST ONE OF THE REACH RANGES SPECIFIED IN SECTION 1118B.5 AND 1118B.6. SEC 1117B.6.3

a. IF THE FLOOR CLEAR SPACE ALLOWS ONLY FORWARD APPROACH TO AN OBJECT, THE MAXIMUM FORWARD REACH ALLOWED SHALL BE 48 INCHES [SEE FIGURE 11B-5C(a)]. THE MINIMUM LOW FORWARD REACH IS 15 INCHES. IF THE FORWARD REACH IS OVER AN OBSTRUCTION, REACH AND CLEARANCES SHALL BE AS SHOWN IN FIGURE 11B-5C(b). SEC 1118B.5

b. IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HIGH SIDE REACH ALLOWED SHALL BE 54 INCHES AND THE LOW SIDE REACH SHALL BE NO LESS THAN 9 INCHES ABOVE THE FLOOR [SEE FIGURE 11B-5C(d) AND (e)]. IF THE SIDE REACH IS OVER AN OBSTRUCTION THE REACH AND CLEARANCES SHALL BE AS SHOWN ON FIGURE 11B-5C(c). SEC 1118B.6

4. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE. SEC 1117B.6.4

5. ELECTRICAL SWITCHES, CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX NOR 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. SEC 1117B.6.5.1

6. ELECTRICAL RECEPTACLE OUTLETS. THE CENTER OF ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. SEC 1117B.6.5.2

7. THE HEIGHT OF THE MANUAL FIRE ALARM BOXES SHALL BE A MINIMUM OF 42 INCHES AND A MAXIMUM OF 48 INCHES MEASURED VERTICALLY, FROM THE FLOOR LEVEL TO THE HIGHEST POINT OF THE ACTIVATING HANDLE OR LEVER OF THE BOX. MANUAL FIRE ALARM BOXES SHALL ALSO COMPLY WITH SECTION 1117B.6. ITEM 4. SEC 907.4.2.2

8. NON-COMMERCIAL KITCHEN AND COUNTER BAR SINKS LOCATED IN COMMON AREAS SHALL HAVE FAUCET CONTROLS AND OPERATING MECHANISMS OPERABLE WITH ONE HAND IN ACCORDANCE WITH CHAPTER 11B AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 PLF. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EX-MPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. SEC 1115B.4.3



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UNDER THE SUPERVISION OF:

05/04/12

BENCH MARK:

NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_

SEE TOPOGRAPHIC SURVEY MAP  
ROBERT RYAN PARK  
PREPARED BY  
MCGEE SURVEYING CONSULTING  
805.964.3520

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**

**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**

**ACCESSIBILITY NOTES**

DRAWN BY :	SHT. 6 OF 20 SHTS	PLAN NO. <b>A-1.2</b>
DESIGNED BY :		
CHECKED BY :		

Directory Path: S:\101025 Rancho Palos Verdes Ryan Park ADA\Alexander-Hibbs\2002-A-1.1-6 WD 2010.dwg Date: 05/04/12

# ACCESSIBILITY NOTES

SUBMITTED	DATE	APPROVED
	CITY ENGINEER	DATE

**7. HAZARDS & PROTRUDING OBJECTS**

1. ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS, OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY WARNING CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. SEC 1133B.8.1
2. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 3 INCHES PLUS OR MINUS 1 INCH ABOVE THE SURFACE OF THE WALK OR SIDEWALK, THE WALK IS 5 PERCENT OR LESS GRADIENT, OR NO ADJACENT HAZARD EXISTS. SEC 1133B.8.1
3. AN OBSTRUCTION THAT OVERHANGS A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80 INCHES ABOVE THE WALKING SURFACE AS MEASURED FROM THE BOTTOM OF THE OBSTRUCTION. SEC 1133B.8.2
4. WHERE A GUY SUPPORT IS USED PARALLEL TO A PATH OF TRAVEL, INCLUDING, BUT NOT LIMITED TO SIDEWALKS, A GUY BRACE, SIDEWALK GUY OR SIMILAR DEVICE SHALL BE USED TO PREVENT AN OVERHANGING OBSTRUCTION AS DEFINED (SEE FIGURE 11B-2B). SEC 1133B.8.2  
HAZARDS SUCH AS DROP-OFFS ADJACENT TO WALKWAYS OR OVERHANGING OBSTRUCTIONS CAN BE DANGEROUS TO PERSONS WITH SIGHT PROBLEMS. THIS SECTION 1133B.8 ADDRESS THESE SITUATIONS. SEC 1133B.8.2
5. IF A WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILING OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS, THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36 INCHES WIDE, COMPLYING WITH SECTION 1121B.3.1, ITEM 8(c).
6. TRANSIT BOARDING PLATFORMS SHALL HAVE A DETECTABLE WARNING TEXTURE EXTENDING THE FULL LENGTH OF THE LOADING AREA. THIS DETECTABLE WARNING TEXTURE SHALL HAVE THE FOLLOWING FEATURES: SEC 1121B.3.1 ITEM 8(c)
  - i. WIDTH 24 TO 36 INCHES PLACED AT THE EDGE OF THE DROP-OFF OR SAFE AREA. SEC 1121B.3.1 ITEM 8(a)
  - ii. DURABLE, SLIP-RESISTANT MATERIAL HAVING A SURFACE TEXTURE COMPOSED OF RAISED, TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH AT THE BASE, TAPERING TO 0.45 INCH AT THE TOP, A HEIGHT OF NOMINAL 0.2 INCH, AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCHES IN COMPLIANCE WITH FIGURE 11B-23A. "NOMINAL" AS USED HERE SHALL BE IN ACCORDANCE WITH CALIFORNIA STATE REFERENCE STANDARDS CODE SECTIONS 12-11A AND B-102. SEC 1121B.3.1 ITEM 8(a)
  - iii. THE DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT ON DARK OR DARK ON LIGHT. SEC 1121B.3.1 ITEM 8(a)
  - iii. WARNING SURFACE SHALL DIFFER FROM ADJOINING WALK SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT. THIS SURFACE SHALL BE RESERVED FOR WARNING. SEC 1121B.3.1 ITEM 8(a)
  - iii. COLOR YELLOW CONFORMING TO FEDERAL COLOR NO. 3353B, AS SHOWN IN TABLE IV OF STANDARD NO. 595B. WHERE THE COLOR VALUE CONTRAST BETWEEN THE YELLOW WARNING AND THE MAIN WALKING SURFACE IS LESS THAN 70 PERCENT, A 1 INCH WIDE BLACK STRIP SHALL SEPARATE THE YELLOW WARNING FROM THE MAIN WALKING SURFACE. PERCENT OF CONTRAST SHALL BE DETERMINED BY THE FORMULA:  
  

$$\text{CONTRAST} = \frac{[(B1-B2/B1)] \times 100}{\text{PERCENT WHERE}} \\ B1 = \text{LIGHT REFLECTANCE VALUE (LVR) OF THE LIGHTER AREA AND} \\ B2 = \text{LIGHT REFLECTANCE VALUE (LVR) OF THE DARKER AREA. SEC 1121B.3.1.8(a)}$$
  - iv. ONLY APPROVED DSA-AC DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE INSTALLED AS PROVIDED IN THE CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 1 ARTICLE 2, 3 AND 4. REFER TO CCR TITLE 24, PART 12, CHAPTERS 12-11A AND B, FOR BUILDING AND FACILITY ACCESS SPECIFICATIONS FOR PRODUCT APPROVAL FOR DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES. SEC 1133B.8.5, SEC 1121B.3.1.8(a)
6. OBJECTS PROJECTING FROM WALLS (FOR EXAMPLE, TELEPHONES), WITH THEIR LEADING EDGES BETWEEN 27 INCHES AND 80 INCHES ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4 INCHES INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. SEC 1133B.8.6.1
7. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27 INCHES ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT. SEC 1133B.8.6.1
8. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12 INCHES MAXIMUM FROM 27 INCHES TO 80 INCHES ABOVE THE GROUND OR FINISHED FLOOR. SEC 1133B.8.6.1
9. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE. SEE FIGURE 11B-7A. SEC 1133B.8.6.1
10. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACES SHALL HAVE 80 INCHES MINIMUM CLEAR HEAD ROOM. SEE FIGURES 11B-7A AND 11B-7C. SEC 1133B.8.6.2

- ROUIL IS REDUCED TO LESS THAN 80 INCHES, A BARRIUR TO WARM BLIND OR VISUALLY IMPAIRED PERSON SHALL BE PROVIDED. SEE FIGURES 11B-7A AND 11B-7C. SEC 1133B.8.6.2
12. WHEREVER SIGNS MOUNTED ON POSTS OR PYLONS PROTRUDE FROM THE POSTS OR PYLONS AND THE BOTTOM EDGE OF THE SIGN IS AT LESS THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND, THE EDGES OF SUCH SIGNS SHALL BE ROUNDED OR EASED AND THE CORNERS SHALL HAVE A MINIMUM RADIUS OF 0.125 INCHES. SEC 1121B.3.1, ITEM 8(a). AND SEC 1133B.8.6.3
  13. THE EDGES OF REFLECTING POOLS SHALL BE PROTECTED BY RAILINGS, WALLS, WARNING CURBES, OR DETECTABLE WARNING COMPLYING WITH SECTION 1121B.3.1, ITEM 8(a).
  14. THE PEDESTRIAN ACCESS SHALL BE IDENTIFIED WITH A DETECTABLE DIRECTIONAL TEXTURE. THIS DETECTABLE DIRECTIONAL TEXTURE SHALL COMPLY WITH FIGURE 11B-23B AND SHALL BE 0.9 INCH IN HEIGHT THAT TAPERS OFF TO 0.04 INCH, WITH BARS RAISED 0.2 INCH FROM THE SURFACE. THE RAISED BARS SHALL BE 1.3 INCH WIDE AND 3.0" FROM CENTER-TO-CENTER OF EACH BAR. THIS SURFACE SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND ON CANE CONTACT. THE COLOR OF THE DIRECTIONAL TEXTURE SHALL COMPLY WITH SECTION 1121B.3.1, ITEM 8(a). THIS SURFACE WILL BE PLACED DIRECTLY BEHIND THE YELLOW DETECTABLE WARNING TEXTURE SPECIFIED IN SECTION 1121B.3.1 ITEM 8(a), ALIGNING WITH ALL DOORS OF THE TRANSIT VEHICLES, WHERE PASSENGERS WILL EMBARK. THE WIDTH OF THE DIRECTIONAL TEXTURE SHALL BE EQUAL TO THE WIDTH OF THE TRANSIT VEHICLE'S DOOR OPENING. THE DEPTH OF THE TEXTURE SHALL NOT BE LESS THAN 36 INCHES. SEC 1121B.3.1.8(b)
- AA. SPACE ALLOWANCE & REACH RANGES**
1. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32 INCHES AT A POINT (24 INCHES MAXIMUM LENGTH) AND 36 INCHES CONTINUOUSLY. SEE FIGURE 11B-10. IN ADDITION WHEELCHAIR PASSAGE WIDTHS SHALL COMPLY WITH FIGURE 11B-5E(a) AND (b) FOR CIRCULATION AROUND OBSTRUCTIONS. SEC 1118B.1
  2. THE MINIMUM WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60 INCHES. SEE FIGURE 11B-11. SEC 1118B.2
  3. THE SPACE REQUIRED FOR A WHEELCHAIR TO MAKE A 180 DEGREE TURN IS A CLEAR SPACE OF 60 INCHES DIAMETER [SEE FIGURE 11B-12(a)] OR A T-SHAPED SPACE SEE FIGURE 11B-12(b). SEC 1118B.3.
  4. THE MINIMUM CLEAR FLOOR OR GROUND SPACE REQUIRED TO ACCOMMODATE A SINGLE, STATIONARY WHEELCHAIR AND OCCUPANT IS 30 INCHES BY 48 INCHES. THE MINIMUM CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE POSITIONED FOR FORWARD OR PARALLEL APPROACH TO AN OBJECT. CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE PART OF THE KNEE SPACE REQUIRED UNDER SOME OBJECTS. SEE FIGURE 11B-5A SEC 1117B.2.3 AND 1118B.4.1  
  
(THE MINIMUM FLOOR OR GROUND SPACE SHALL BE INCREASED TO 42 INCHES BY 48 INCHES WHEN SUCH SPACE IS PERPENDICULAR TO AN ADJACENT SEATING SPACE.)
  5. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE FOR A WHEELCHAIR SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER WHEELCHAIR CLEAR FLOOR SPACE. IF A CLEAR FLOOR OR GROUND SPACE FOR A WHEELCHAIR IS LOCATED IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCES SHALL BE PROVIDED AS SHOWN ON FIGURE 11B-5A(b). SEC 1117B.2.4 AND SEC 1118B.4.2
    - i. FORWARD APPROACH AT ALCOVE. IF ALCOVE > 24 INCHES DEEP, THEN AN ADDITIONAL MANEUVERING CLEARANCE OF 6 INCHES SHALL BE PROVIDED AS SHOWN. FIGURE 11B-5A(b).
    - ii. PARALLEL APPROACH AT ALCOVE. IF ALCOVE > 15 INCHES DEEP, THEN AN ADDITIONAL MANEUVERING CLEARANCE OF 12 INCHES SHALL BE PROVIDED AS SHOWN. FIGURE 11B-5A(b).
  6. CLEAR FLOOR OR GROUND SPACE FOR WHEEL CHAIRS SHALL COMPLY WITH SECTION 1124B GROUND AND FLOOR SURFACES. SEC 1118B.4.3
  7. IF THE CLEAR FLOOR SPACE ALLOWS ONLY FORWARD APPROACH TO AN OBJECT, THE MAXIMUM HIGH FORWARD REACH ALLOWED SHALL BE 48 INCHES [SEE FIGURE 11B-5C(a)]. THE MINIMUM LOW FORWARD REACH IS 15 INCHES. IF THE HIGH FORWARD REACH IS OVER AN OBSTRUCTION, REACH AND CLEARANCES SHALL BE AS SHOWN IN FIGURE 11B-5C(b). SEC 1118B.5
  7. IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HIGH SIDE REACH ALLOWED SHALL BE 54 INCHES AND THE LOW SIDE REACH SHALL BE NO LESS THAN 9 INCHES ABOVE THE FLOOR. [SEE FIGURE 11B-5D(a) AND (b)]. IF THE SIDE REACH IS OVER AN OBSTRUCTION, THE REACH AND CLEARANCES SHALL BE AS SHOWN IN FIGURE 11B-5D(c). SEC 1118B.6
  8. THE MINIMUM CLEAR WIDTH REQUIRED FOR A WHEELCHAIR TO TURN AROUND AN OBSTRUCTION SHALL BE 36 INCHES WHERE THE OBSTRUCTION IS 48 INCHES OR MORE IN LENGTH AND 42" WHERE THE OBSTRUCTION IS LESS THAN 48 INCHES IN LENGTH. SEE FIGURE 11B-5E.
  9. OPENINGS MORE THAN 24 INCHES IN DEPTH SHALL COMPLY WITH SECTIONS 1118B.1. SEC 1133B.1.1.1

- BB. EMPLOYEE WORK AREAS & WORK STATIONS**  
(NOT APPLICABLE)
- CC. FIXED OR BUILT-IN SEATING, TABLES, & COUNTERS**  
(NOT APPLICABLE)
- DD. SIGNS & IDENTIFICATION**
- NOTE: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN CALIFORNIA BUILDING CODE STANDARD AND AS SPECIFICALLY REQUIRED IN SECTION 1117B.5P. SEE FIGURE 11B-6. SEC 1117B.5.8.1
1. WHEN NEW OR ADDITIONAL SIGNS AND/OR IDENTIFICATION DEVICES ARE PROVIDED, OR WHEN EXISTING SIGNS AND/OR IDENTIFICATION DEVICES ARE REPLACED OR ALTERED, THE NEW OR ALTERED SIGN AND/OR IDENTIFICATION DEVICES SHALL COMPLY WITH SECTION 1117B.5. THE ADDITION OF OR REPLACEMENT OF SIGNS AND/OR IDENTIFICATION DEVICES SHALL NOT TRIGGER ANY ADDITIONAL PATH OF TRAVEL REQUIREMENTS. SEC 1117B.5.1
  2. WHEN SIGNS IDENTIFY PERMANENT ROOMS AND SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH SECTION 1117B.5.2, 1117B.5.3, 1117B.5.5, 1117B.5.6, AND 1117B.5.7. SEC 1117B.5.1.1
  3. FOR OTHER MEANS OF EGRESS SIGNS AND IDENTIFICATION PROVISIONS ADOPTED BY SFM AND DSA-AC, SEE CHAPTER 10. SECTION 1011.3 FOR TACTILE EXIT SIGNS, 1022.8 FOR FLOOR IDENTIFICATION SIGNS, 1008.1.9.7 FOR DELAYED EGRESS LOCKS, 1007.9, 1007.10 AND 1007.11 FOR ACCESSIBLE MEANS OF EGRESS, AND 1007.4 FOR ELEVATORS. SEE ALSO SECTION 1116B FOR ADDITIONAL SIGNAGE REQUIREMENTS APPLICABLE TO ELEVATORS AND SECTION 1115B.6 FOR SANITARY FACILITIES. SEC 1117B.5.1.1
  4. WHEN SIGNS DIRECT TO OR GIVE INFORMATION ABOUT PERMANENT ROOMS AND FUNCTIONAL SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH SECTIONS 1117B.5.2, 1117B.5.3 AND 1117B.5.4. SEC 1117B.5.1.2
  5. WHEN SIGNS IDENTIFY, DIRECT TO OR GIVE INFORMATION ABOUT ACCESSIBLE ELEMENTS AND FEATURES OF A BUILDING OR SITE, THEY SHALL INCLUDE THE APPROPRIATE SYMBOL OF ACCESSIBILITY AND SHALL COMPLY WITH SECTION 1117B.5.2 AND 1117B.5.8. SEC 1117B.5.1.3
  6. SIGNS AND IDENTIFICATIONS AS SPECIFIED IN SECTION 1117B.5.1, WHEN INCLUDED IN THE CONSTRUCTION OF NEW BUILDING OR FACILITIES, OR WHEN INCLUDED, ALTERED OR REPLACE DUE TO ADDITIONS, ALTERATIONS OR RENOVATIONS TO EXISTING BUILDINGS OR FACILITIES, AND WHEN A PERMIT IS REQUIRED, SHALL COMPLY WITH THE FOLLOWING PLAN AND REVIEW AND INSPECTION REQUIREMENTS: SEC 1117B.5.1.4
    - a. PLANS, SPECIFICATIONS OR OTHER INFORMATION INDICATING COMPLIANCE WITH THESE REGULATIONS SHALL BE SUBMITTED TO THE ENFORCING AGENCY FOR REVIEW AND APPROVAL. SEC 1117B.5.1.4.1
    - b. SIGNS AND IDENTIFICATION SHALL BE FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY PER APPENDIX CHAPTER 1, SECTION 110.2 OF FINAL APPROVAL WHERE NO CERTIFICATE OF OCCUPANCY IS ISSUED, THE INSPECTION SHALL INCLUDE, BUT NOT LIMITED TO VERIFICATION THAT BRAILLE DOTS AND CELLS ARE PROPERLY SPACED AND THE SIZE, PROPORTION AND TYPE OF RAISED CHARACTERS ARE IN COMPLIANCE WITH THESE REGULATIONS. SEC 1117B.5.1.4.2
    - c. TACTILE SIGNS EXIT SIGNAGE IN SECTION 1011.3 AND 1011.3.2, TACTILE FLOOR DESIGNATION SIGNS IN STAIRWAYS IN SECTION 1022.8, TACTILE SPECIAL EGRESS CONTROL DEVICE SIGNS IN SECTIONS 1008.1.9.7 ELEVATORS CAR CONTROL IDENTIFICATIONS REQUIRED IN SECTION 1116B.1.8 AND 1116B.1.9, ELEVATOR DOORJAMB MARKING REQUIRED IN SECTION 1116B.1.14 AND SANITARY FACILITIES SIGNAGE REQUIRED IN SECTION 1115B.6 SHALL ALSO COMPLY WITH SECTION 1117B.5. SEC 1117B.5.1.4.3
  7. CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. SEC 1117B.5.2
  8. CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS THAT HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3.5 (60 PERCENTS) AND 1:1 (100 PERCENT) MEASURED BY THE WIDTH OF THE UPPERCASE LETTERS "O" AND HEIGHT OF THE UPPERCASE LETTER "I". AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 (20 PERCENT) AND 1:10 (10 PERCENT) MEASURED BY THE WIDTH AND HEIGHT OF THE UPPERCASE LETTER "I". SEC 1117B.5.3

9. CHARACTERS ON SIGNS REQUIRED TO BE ACCESSIBLE BY SECTION 1117B.5.1, ITEM 2 AND 3 SHALL BE SIZED ACCORDING TO THE FOLLOWING TABLE. THE MINIMUM HEIGHT IS MEASURED USING AN UPPERCASE LETTER "I". LOWERCASE CHARACTERS ARE PERMITTED. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. SEC 1117B.5.4
- | VISUAL CHARACTER HEIGHT                                     | HORIZONTAL VIEWING DISTANCE | MINIMUM CHARACTER HEIGHT  |
|---|-----------------------------|---|
| HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER |                             |   |
| 40 INCHES TO LESS THAN OR EQUAL TO 90 INCHES                | LESS THAN 72 INCHES         | 5/8 INCH  |
|   | 72 INCHES AND GREATER       | 5/8" INCH, PLUS 8 INCHES PER FOOT OF VIEWING DISTANCE ABOVE 2 INCHES. |
| GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES  | LESS THAN 180 INCHES        | 2 INCHES  |
|   | 180 INCHES AND GREATER      | 2 INCHES, PLUS 1/8" PER FOOT OF VIEWING DISTANCE ABOVE 180 INCHES     |
| GREATER THAN 120 INCHES                                     | LESS THAN 21 FEET           | 3 INCHES  |
|   | 21 FEET AND GREATER         | 3 INCHES, PLUS 1/8" PER FOOT OF VIEWING DISTANCE ABOVE 21 FEET        |
10. WHEN RAISED CHARACTERS ARE REQUIRED OR WHEN PICTORIAL SYMBOLS (PICTOGRAMS) ARE USED ON SUCH SIGNS, THEY SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: SEC 1117B.5.5
    - a. CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE COMPLYING WITH SECTION 1117B.5.6. SEC 1117B.5.5.1
    - b. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH. SEC 1117B.5.5.2
    - c. PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES IN HEIGHT. SEC 1117B.5.5.3
    - d. CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 3/8 INCHES AND A MAXIMUM OF 1/2 INCHES DIRECTLY BELOW THE TACTILE CHARACTERS; FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTILINE, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT. SEC 1117B.5.5.4
  11. CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. SEC 1117B.5.6
  12. WHERE PERMANENT IDENTIFICATION SIGNS ARE PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLE ON THE RIGHT. SEC 1117B.5.7
  13. WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXIT SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE. SEC 1117B.5.7
  14. MOUNTING HEIGHT SHALL BE 60 INCHES ABOVE THE FINISH FLOOR TO THE CENTER OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. SEC 1117B.5.7
  15. SEE ALSO SECTION 1115B.6 FOR ADDITIONAL SIGNAGE REQUIREMENTS APPLICABLE TO SANITARY FACILITIES. SEC 1117B.5.7
  16. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN CALIFORNIA BUILDING CODE STANDARD AND AS SPECIFICALLY REQUIRED IN SECTION 1117B.5. SEE FIGURE 11B-6. SEC 1117B.5.8.1
  17. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. SEC 1117B.5.8.1.1

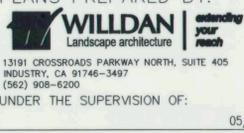
17. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. SEC 1117B.5.8.1.1
  18. ENTRANCES TO BUILDINGS AND FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES TO SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, UTILIZING THE SYMBOLS, AT JUNCTIONS WHERE THE ACCESSIBLE ROUTE OF TRAVEL DIVERGES FROM THE REGULAR CIRCULATION PATH, TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS. SEC 1117B.5.8.1.2
  19. IN EXISTING BUILDING AND FACILITIES, ENTRANCES WHICH ARE NOT ACCESSIBLE SHALL HAVE DIRECTIONAL SIGNAGE COMPLYING WITH SECTION 1117B.5.1, ITEM 2 AND 3, WHICH INDICATES THE LOCATION OF AND ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE. SEC 1117B.5.8.1.2
  20. BUILDING THAT PROVIDE SPECIFIC SANITARY FACILITIES AND/OR ELEVATORS FOR PUBLIC USE THAT CONFORM TO THESE BUILDING STANDARDS SHALL HAVE THIS INFORMATION POSTED IN THE BUILDING LOBBY, PREFERABLE AS PART OF THE BUILDING DIRECTORY. THE INFORMATION SHALL BE ACCOMPANIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SEC 1117B.5.8.1.3
  21. INACCESSIBLE SANITARY FACILITIES SHALL HAVE DIRECTIONAL SIGNAGE COMPLYING WITH SECTION 1117B.5.1 ITEMS 2 AND 3, TO INDICATE THE LOCATION OF THE NEAREST ACCESSIBLE SANITARY FACILITY. SEC 1117B.5.8.1.3
  22. WHERE THE INTERNATIONAL TTY SYMBOL IS REQUIRED, IT SHALL COMPLY WITH FIGURE 11B-14A. SEC 1117B.8.2.
  23. WHERE TELEPHONES WITH VOLUME CONTROLS ARE REQUIRED TO BE IDENTIFIED, THE IDENTIFICATION SYMBOL SHALL BE A TELEPHONE HANSET WITH RADIATING SOUND WAVES, SUCH AS SHOWN IN FIGURE 11B-14. SEC 1117.5.8.3
  24. WHERE ASSISTIVE LISTENING SYSTEMS ARE REQUIRED TO BE IDENTIFIED BY THE INTERNATIONAL SYMBOL IF ACCESS FOR HEARING LOSS, IT SHALL COMPLY WITH FIGURE 11B-14C.
  25. POLE SUPPORTED PEDESTRIAN TRAFFIC CONTROL BUTTONS SHALL BE IDENTIFIED WITH COLOR CODING CONSISTING OF A TEXTURED HORIZONTAL YELLOW BAND 2 INCHES IN WIDTH ENCIRCLING THE POLE, AND A 1-INCH WIDE DARK BORDER BAND ABOVE AND BELOW THIS YELLOW BAND. COLOR CODING SHOULD BE PLACED IMMEDIATELY ABOVE THE CONTROL BUTTON. CONTROL BUTTON. CONTROL BUTTONS SHALL BE LOCATED NO HIGHER THAN 48 INCHES ABOVE THE SURFACE ADJACENT TO THE POLE. SEC 1117B.5.9
  26. WHENEVER SIGNS SHALL REFER TO TEXT TELEPHONES FOR PEOPLE WHO ARE DEAF OR HARD OF HEARING THE TERM "TTY" SHALL BE USED; THE TERM "TDD" SHALL NOT BE USED.
- SS. NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED**  
(NOT APPLICABLE)
- TT. EXISTING BUILDINGS**
1. THE PROVISIONS OF THIS DIVISION (1134B) APPLY TO RENOVATION, STRUCTURAL REPAIR, ALTERATION AND ADDITIONS TO EXISTING BUILDINGS, INCLUDING THOSE IDENTIFIED AS HISTORIC BUILDINGS, THIS DIVISION IDENTIFIES MINIMUM STANDARDS FOR REMOVING ARCHITECTURAL BARRIERS, AND PROVIDING AND MAINTAINING ACCESSIBILITY TO EXISTING BUILDINGS AND THEIR RELATED FACILITIES. SEC 1134B.2
  2. WHEN ALTERATIONS, STRUCTURAL REPAIRS OR ADDITIONS ARE MADE TO EXISTING BUILDING OR FACILITIES, THEY SHALL COMPLY WITH PROVISIONS DIVISION I - NEW BUILDINGS, EXCEPT AS MODIFIED BY THIS DIVISION. THESE REQUIREMENTS SHALL APPLY ONLY TO THE AREA OF SPECIFIED ALTERATION, STRUCTURAL REPAIR OR ADDITION AND SHALL INCLUDE THOSE AREAS LISTED BELOW. SEC 1124B.2.
  3. A PRIMARY ENTRANCE TO THE BUILDING OR FACILITY AND THE PRIMARY PATH OF TRAVEL TO THE SPECIFIC AREA OF ALTERATION, STRUCTURAL REPAIR OR ADDITION, AND SANITARY FACILITIES, DRINKING FOUNTAINS, SIGNS AND PUBLIC TELEPHONES SERVING THE AREA. SEC 1134B.2.1



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UNDER THE SUPERVISION OF:  
05/04/12

BENCH MARK:

NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_

SEE TOPOGRAPHIC SURVEY MAP  
ROBERT RYAN PARK  
PREPARED BY  
MCGEE SURVEYING CONSULTING  
805.964.3520

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**

**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**

**ACCESSIBILITY NOTES**

DRAWN BY :	SHT. 7 OF 20 SHTS	PLAN NO. <b>A-13</b>
DESIGNED BY :		
CHECKED BY :		

Directory Path: S:\101025 Rancho Palos Verdes Ryan Park ADA\Alexander+Hibbs\2002-A-1-6 MD 2010.dwg Date: 05/04/12

**EXTERIOR HAZARDS:**

1. ABRUPT CHANGES IN LEVEL EXCEEDING 4" IN A VERTICAL HEIGHT, SUCH AS AT PLANTERS, FOUNTAINS OR FOUNDATIONS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS, OR OTHER PEDESTRIAN WAYS, REQUIRE WARNING CURBS AT LEAST 6" HIGH ABOVE THE WALKING SURFACE. NO CURB IS REQUIRED IF A GUARDRAIL IS PROVIDED CENTERED 3" PLUS OR MINUS 1" ABOVE SURFACE OF WALK OR SIDEWALK.

**FLOORS:**

1. FLOORS OF A GIVEN STORY ARE A COMMON FLOOR LEVEL THROUGHOUT, UNLESS CONNECTED BY CONFORMING RAMPS, ELEVATORS OR OTHER ACCESSIBLE MEANS OF VERTICAL ACCESS.

2. ALL FLOORS SHALL BE SLIP RESISTANT.

**NOTES:**

1. OBJECTS PROJECTING FROM WALLS WHOSE LEADING EDGES ARE BETWEEN 27" AND 79" ABOVE FINISH FLOOR CANNOT PROTRUDE MORE THAN 4" INTO WALKS AND HALLS.

2. OBJECTS WHOSE LEADING EDGES ARE AT OR BELOW 27" ABOVE FINISH FLOOR MAY PROTRUDE ANY DISTANCE, BUT MAY NOT REDUCE THE REQUIRED CLEAR SPACE.

3. FREE STANDING OBJECTS ON POSTS OR PYLONS MAY OVERHANG 4" MAX. FROM 27" TO 79" ABOVE FINISH FLOOR AND HAVE A RADIUS CORNER OF .125 INCHES.

4. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACE SHALL HAVE 80" MINIMUM CLEAR HEAD ROOM.

INTERNATIONAL SIGN OF ACCESSIBILITY  
 BUILDING ENTRANCE DOOR SEE SCHEDULE  
 LATCHING/LOCKING DEVICES SHALL BE OPERABLE WITH A SINGLE EFFORT AND PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPERATING HARDWARE  
 SMOOTH, UNINTERRUPTED SURFACE

THE MAXIMUM EFFORT TO OPERATE DOOR SHALL NOT EXCEED 5 lbs FOR EXTERIOR DOORS AND INTERIOR DOORS

PAVING LEVEL WITH FIN. FLOOR AT DOOR LANDING AREA  
 EXTERIOR WALL  
 2'-0" CLEAR  
 2% MAX.  
 5'-0" MINIMUM

**HAZZARDS** SCALE: 3/8"=1'-0" **7** **BUILDING ENTRANCE** SCALE: 1/2"=1'-0" **4** **EXTERIOR DOOR LANDING** SCALE: 3/4"=1'-0" **1**

**TACTILE SIGNAGE REQUIREMENT:**

CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SAN SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.

RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCHES AND A MAXIMUM OF 2 INCHES HIGH.

PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6" IN HEIGHT.

CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 3/8" A MAXIMUM OF 1/2" DIRECTLY BELOW THE TACTILE CHARACTERS. FLUSH LEFT OR CENTER. WHEN TACTILE TEXT IS MULTILINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT.

CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED.

SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY TO THE RIGHT.

WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXIT SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE.

MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTER OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.

EXIT  
 RAISED CHARACTERS  
 GRADE 2 BRAILLE

60"  
 3'-6" MINIMUM  
 3'-6" MINIMUM  
 LESS THAN 48"

FINISHED FLOOR

**TACTILE EXIT SIGNAGE** SCALE: 1"=1'-0" **11**

**WIDTH OF ACCESSIBLE ROUTE**

3'-0" MINIMUM  
 4'-0" OR GREATER  
 3'-0" MINIMUM  
 3'-0" MINIMUM

(a) 90° TURN

FIGURE 11B-5E WIDTH OF ACCESSIBLE ROUTE

**WIDTH OF ACCESSIBLE ROUTE** SCALE: 3/8"=1'-0" **8**

**ENTRY THRESHOLD**

ENTRANCE DOOR  
 10" MIN. SMOOTH BOTTOM RAIL EXCEPT AUTOMATIC DOORS  
 THRESHOLD: 1/2" RISE AT 1:2 SLOPE MAX. & 1/4" VERT. MAX.  
 TILE PAVER

10"  
 1/2"

**ENTRY THRESHOLD** SCALE: 3"=1'-0" **5**

**DOOR CLEARANCE**

INTERIOR SIDE  
 EXTERIOR SIDE  
 1'-0" MIN. CLEAR WIDTH  
 2'-0" CLEAR AT EXTERIOR  
 5'-0" MINIMUM  
 2% MAX.

DOOR WHERE OCCURS  
 EXTERIOR WALL  
 DOOR WHERE OCCURS

PAVING LEVEL WITH FIN. FLOOR AT DOOR LANDING AREA

**DOOR CLEARANCE** SCALE: 1/2"=1'-0" **2**

**WIDTH OF ACCESSIBLE ROUTE**

3'-0" MINIMUM  
 4'-0" OR GREATER  
 3'-0" MINIMUM  
 3'-0" MINIMUM

(a) 90° TURN

FIGURE 11B-5E WIDTH OF ACCESSIBLE ROUTE

**WIDTH OF ACCESSIBLE ROUTE** SCALE: 3/8"=1'-0" **9**

**THRESHOLD**

DOOR  
 HANDICAP ACCESSIBLE THRESHOLD SHALL HAVE MAXIMUM 1/4" VERTICAL TRANSITION AND MAXIMUM 1/2" VERTICAL RISE. RISE IN EXCESS OF 1/4" SHALL HAVE 2:1 SLOPE MAXIMUM.

1/4" MAX  
 1/2" MAX

**THRESHOLD** SCALE: 6"=1'-0" **6**

**DOOR CLEARANCE**

8" MAX  
 5'-0" MIN.  
 1'-0" MIN.

PROVIDE THIS ADDITIONAL SPACE IF THE DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER. NOT REQUIRED IF LATCH AND/OR CLOSER IS NOT USED.

FIGURE 11B-33 CLEAR DOOR WIDTH AND DEPTH  
 (a) PULL SIDE (INTERIOR DOOR)

NOTE:  
 133B.2.4.5 WHERE A DOOR REQUIRED TO BE ACCESSIBLE BY SECTION 1133B.1.1. IS LOCATED IN A RECESS OR ALCOVE WHERE THE DISTANCE FROM THE FACE OF THE WALL TO THE FACE OF THE DOOR IS GREATER THAN 8", STRIKE SIDE CLEARANCE AS PRESCRIBED IN SECTION 1133B.2.4.3 SHALL BE PROVIDED. SEE FIGURE 11B-33(A).

**DOOR CLEARANCE** SCALE: 1/2"=1'-0" **3**

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SEE TOPOGRAPHIC SURVEY MAP  
 ROBERT RYAN PARK  
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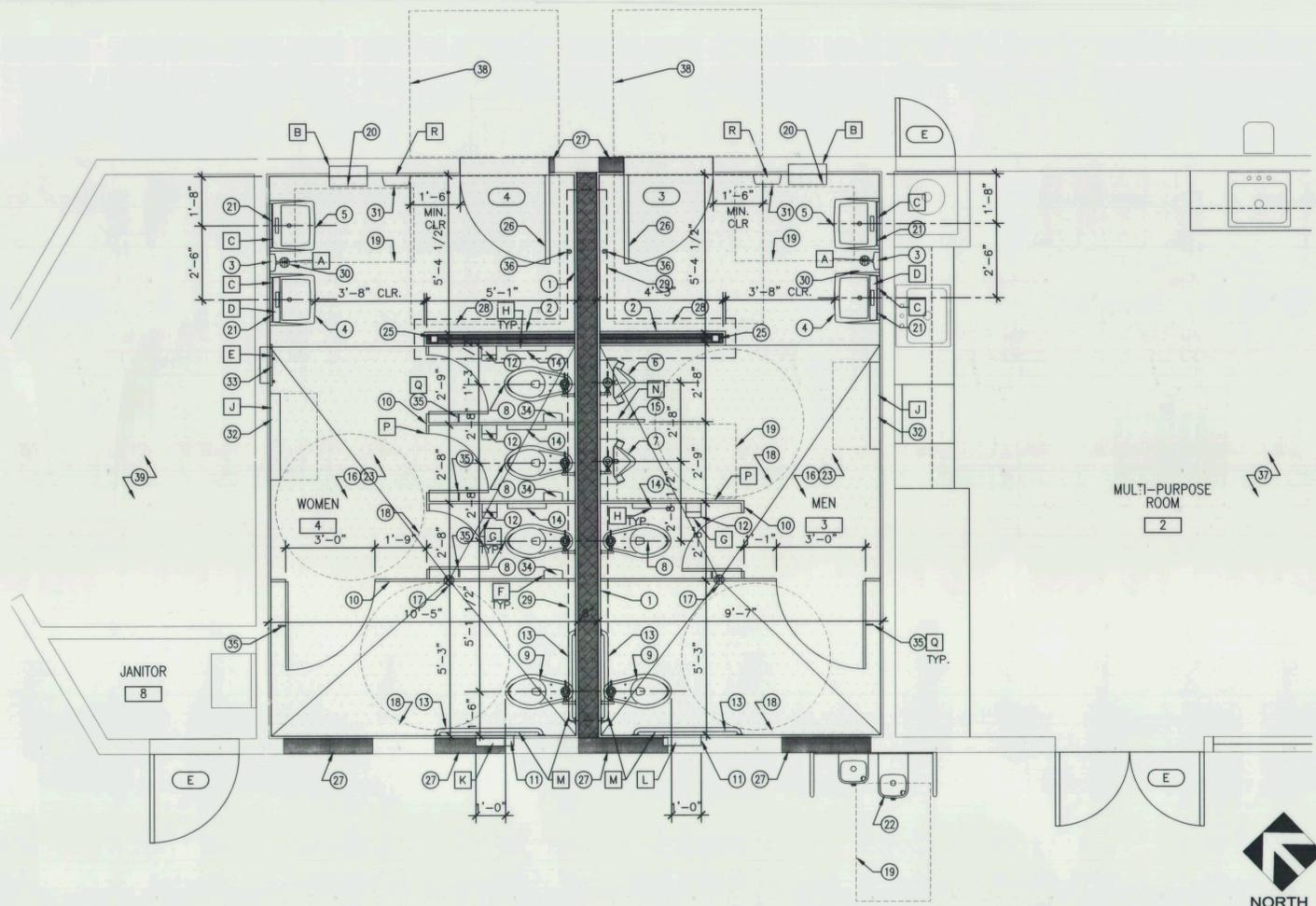
**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**  
**ACCESSIBILITY DETAILS**

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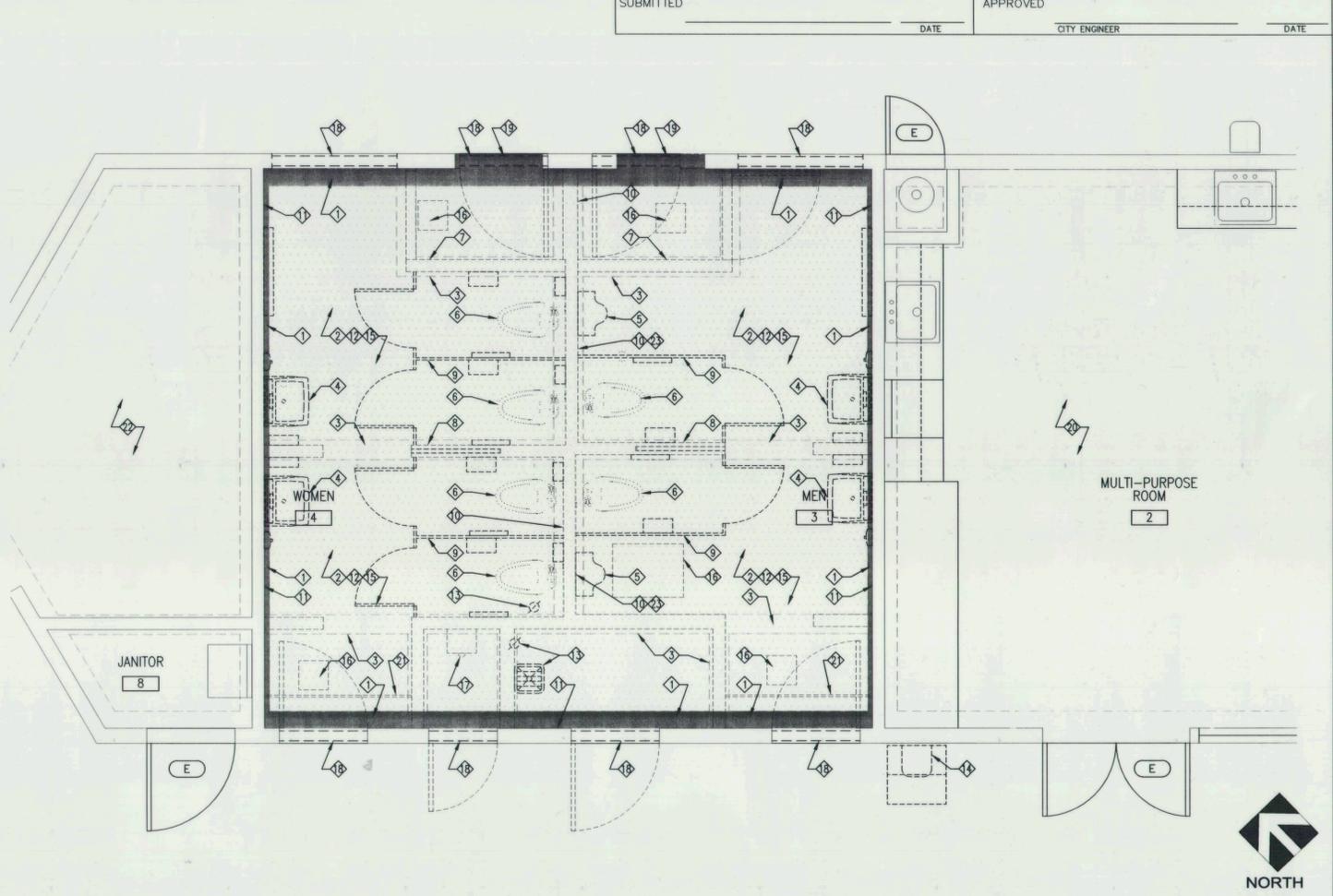
SHT. 8 OF 20 SHTS

PLAN NO. **A-14**





**FLOOR PLAN** SCALE: 3/8"=1'-0" **2**



**DEMOLITION PLAN** SCALE: 3/8"=1'-0" **1**

**CONSTRUCTION KEYNOTES**

1. NEW FULL HEIGHT PLUMBING WALL, REFER WALL LEGEND.
  2. NEW PARTIAL HEIGHT PARTITION, REFER TO WALL LEGEND.
  3. SOAP DISPENSER, REFER TO RESTROOM ACCESSORIES SCHEDULE ON SHEET A-4.1.
  4. LAVATORY, REFER TO PLUMBING DRAWINGS.
  5. ACCESSIBLE LAVATORY, REFER TO PLUMBING DRAWINGS. REFER TO DETAIL 15/A-1.5.
  6. URINAL, REFER TO PLUMBING DRAWINGS.
  7. ACCESSIBLE URINAL, REFER TO PLUMBING DRAWINGS, REFER TO DETAIL 15/A-1.5.
  8. WATER CLOSET, REFER TO PLUMBING DRAWINGS.
  9. ACCESSIBLE WATER CLOSET, REFER TO PLUMBING DRAWINGS, REFER TO DETAIL 2/A-1.5.
  10. TOILET PARTITION, REFER TO RESTROOM ACCESSORIES SCHEDULE. REFER TO INTERIOR ELEVATION, REFER TO DETAIL 5/A-1.5.
  11. RECESS ACCESSIBLE TOILET PAPER DISPENSER AND SEAT COVER DISPENSER. REFER TO RESTROOM ACCESSORIES SCHEDULE, WITH NAPKIN DISPOSAL AT WOMEN RESTROOM.
  12. TOILET PAPER HOLDER. REFER TO RESTROOM ACCESSORIES SCHEDULE. REFER TO DETAIL 2 AND 15/A-1.5.
  13. GRAB BAR. SEE ACCESSIBILITY SHEET FOR ACCESSIBLE REQUIREMENTS, 2 AND 15/A-1.5.
  14. TOILET SEAT COVER DISPENSER, REFER TO RESTROOM ACCESSORIES SCHEDULE, REFER TO DETAIL 3/A-1.5 AT ACCESSIBLE LOCATION.
  15. URINAL PARTITION. SEE RESTROOM ACCESSORIES SCHEDULE, A-4.1.
  16. NEW FLOOR FINISH, REFER TO FINISH SCHEDULE, REFER TO DETAIL 12/A-5.1.
  17. FLOOR DRAIN, 2% MAX. SLOPE EACH WAY, REFER TO PLUMBING DRAWINGS.
  18. ACCESSIBLE 5'-0" TURNING RADIUS.
  19. ACCESSIBLE 30"x48" CLEAR FLOOR SPACE.
  20. PAPER TOWEL DISPENSER AND WASTE RECEPTACLE. SEE RESTROOM ACCESSORIES SCHEDULE.
  21. MIRROR. REFER TO RESTROOM ACCESSORIES SCHEDULE. REFER TO DETAIL 1/A-A-1.5 FOR ACCESSIBLE LOCATION.
  22. DRINKING FOUNTAIN, REFER TO PLUMBING AND ELECTRICAL DRAWINGS. REFER TO DETAIL 10/A-1.5 AND 3/A-5.2.
  23. NEW CONCRETE SLAB DEPRESS 2", WITH NEW FLOOR FINISH REFER TO FINISH SCHEDULE A-4.1. NEW 4" CONCRETE SLAB WITH 6"x6" #10x#10 WIRE OVER 6 MIL POLYETHYLENE MEMBRANE AND 4" MIN. SAND OVER COMPACTED SOIL.
  24. NOT USED.
  25. NEW 3X3 STEEL TUBE POST, REFER TO DETAIL 3/A-5.1 FOR BASE PLATE AND FOOTING.
  26. NEW DOOR LOCATION, REFER TO DETAIL 2/A-1.4 FOR ACCESSIBILITY REQUIREMENTS.
  27. INFILL EXISTING OPENING, REFER TO WALL LEGEND. REFER TO EXTERIOR ELEVATION AND INTERIOR ELEVATION FOR SCREEN OPENING LOCATION.
  28. NEW THICKENED SLAB AT 7'-0" HIGH PARTITION. REFER TO DETAIL 2/A-5.1.
  29. NEW THICKENED SLAB AT PLUMBING WALL. REFER TO DETAIL 2/A-5.1.
  30. FLOOR DRAIN REFER TO PLUMBING DRAWINGS.
  31. HAND DRYER REFER TO RESTROOM ACCESSORIES SCHEDULE AND ELECTRICAL DRAWINGS.
  32. DIAPER CHANGE STATION, REFER TO RESTROOM ACCESSORIES SCHEDULE.
  33. NAPKIN DISPENSER, REFER TO RESTROOM ACCESSORIES SCHEDULE.
  34. NAPKIN DISPOSAL, REFER TO RESTROOM ACCESSORIES SCHEDULE.
  35. CLOTHES HOOK, REFER TO RESTROOM ACCESSORIES SCHEDULE.
  36. DOOR STOP, REFER TO DOOR SCHEDULE ON SHEET A-4.1.
  37. REFER TO SHEET A-2.2 PARTIAL FLOOR PLAN FOR NEW DOOR AT MULTI PURPOSE ROOM 2.
  38. DOOR CLEARANCE, REFER TO DETAIL 1, 2 AND 3/A-1.4.
  39. NO WORK, THIS AREA.
- NOTES:  
 1. PROVIDE SOLID BLOCKING FOR ATTACHMENT OF RESTROOM ACCESSORIES AND PARTITIONS.  
 2. # RESTROOM ACCESSORY SCHEDULE ON SHEET A-4.1

**WALL LEGEND**

- DEPRESSED SLAB
- 2x8 WOOD STUD AT 16" O.C. WITH 15 LB ROOFING PAPER METAL LATH WITH FULL SETTING BED, SEE INTERIOR ELEVATION FOR FINISH. PER DETAIL 17/A-5.1. (PLUMBING WALL)
- INFILL EXISTING OPENING 2x WOOD STUD WITH 15 LB. WATER PROOFING, WITH FULL SETTING BED AT INTERIOR, EXTERIOR SIDE WITH 15 LB WATER PROOFING PAPER WITH METAL LATH FINISH EXTERIOR PLASTER TO MATCH EXISTING. REFER TO DETAIL 4/A-5.1.
- 2x4 WOOD STUD WALL 7'-0" HIGH, PROVIDE, 3X3 STEEL POST AT FREE END, WITH 15 LB. WATER PROOFING, WITH FULL SETTING BED, SEE INTERIOR ELEVATION FOR FINISH.
- SEE DOOR SCHEDULE ON SHEET 13 A-4.1

NOTES:  
 1. SEE TYPICAL FRAMING DETAILS 2/A-5.2

**DEMOLITION KEYNOTES**

1. EXISTING PERIMETER FOOTING TO REMAIN.
2. REMOVE EXISTING FLOOR FINISH AND REMOVE EXISTING CONCRETE SLAB, SEE FLOOR LEGEND FOR EXTENT OF SLAB TO BE REMOVED. FOOTING TO REMAIN UNLESS OTHERWISE NOTED.
3. REMOVE EXISTING FOOTING.
4. REMOVE LAVATORY.
5. REMOVE URINAL.
6. REMOVE WATER CLOSET.
7. REMOVE LOW HEIGHT PARTITION AND FRAME.
8. REMOVE EXISTING POCKET DOOR, AND FRAME.
9. REMOVE EXISTING TOILET PARTITION.
10. EXISTING FULL HEIGHT PLUMBING WALL TO BE REMOVED BETWEEN MEN AND WOMEN. REMOVE EXISTING FINISH AND SUBSTRATE TO FACE OF STUD OF PLUMBING WALL. PROVIDE ARCHITECT EXISTING DIMENSION FROM FACE OF STUD OF PLUMBING WALL TO OPPOSITE WALL STUD AT WOMEN AND MEN PRIOR TO REMOVAL OF EXISTING PLUMBING STUD WALL. (APPROVAL FROM ARCHITECT SHALL BE OBTAINED PRIOR TO REMOVAL OF WALL.)
11. REMOVE EXISTING WALL FINISH AND SUBSTRATE TO FACE OF STUD.
12. REMOVE EXISTING SURFACE MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
13. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF DEMOLITION.
14. EXISTING DRINKING FOUNTAIN TO BE REMOVED, REFER TO PLUMBING AND ELECTRICAL DRAWINGS.
15. REMOVE EXISTING TOILET ACCESSORIES.
16. EXISTING CEILING ACCESS PANEL, REFER TO REFLECTED CEILING PLAN.
17. EXISTING PAY PHONE TO BE REMOVED, NOTIFY TELEPHONE PROVIDER PRIOR TO REMOVAL OF PAY PHONE.
18. EXISTING WALL LOUVER TO BE REMOVED, REFER TO INTERIOR AND EXTERIOR ELEVATION ON SHEET A-3.
19. REFER TO FLOOR PLAN FOR NEW DOOR LOCATION, COORDINATE LOCATION WITH SCREEN LOCATION AND LIGHT FIXTURE.
20. REFER TO SHEET A-2.2 PARTIAL DEMOLITION PLAN FOR NEW OPENING FOR NEW DOOR AT MULTI-PURPOSE ROOM 2.
21. EXISTING CONDUIT, TO BE RE-ROUTED ABOVE CEILING.
22. NO WORK, THIS AREA.
23. REMOVE EXISTING BLUE TILE IN MEN'S RESTROOM (URINAL AREA) PER SPEC.02100. NOTIFY CITY PROJECT MANAGER, 48 HRS. PRIOR TO REMOVAL.

**DEMOLITION LEGEND**

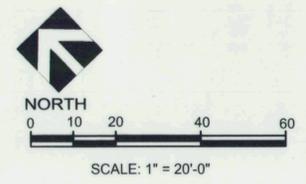
- EXISTING TO REMAIN
- EXISTING DOOR TO BE REMAIN
- EXISTING WALL TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- EXISTING WALL TO BE REMOVED
- EXISTING WALL FINISH TO BE REMOVED TO FACE OF STUD
- EXISTING FLOOR SLAB TO BE REMOVED INCLUDING INTERIOR NON-BEARING FOOTINGS U.I.O.
- EXISTING 4" FLOOR SLAB TO BE REMOVE ABOVE EXISTING FOOTING, EXISTING PERIMETER FOOTING TO REMAIN.

**GENERAL DEMOLITION NOTES**

1. PRIOR TO BIDDING THE CONTRACTOR AND HIS SUB-CONTRACTORS SHALL INSPECT ALL AREAS IN WHICH THE WORK IS TO BE PERFORMED AND FIELD VERIFY ALL EXISTING CONDITIONS. NOTIFY THE CITY PROJECT MANAGER OF ANY DISCREPANCIES.
2. REMOVE ALL EXISTING FINISHES AND PREPARE ALL EXISTING SURFACES AS REQUIRED TO INSTALL THE NEW FINISHES SCHEDULED ON NEW FLOOR PLAN.
3. REMOVE ALL ITEMS/FIXTURES (I.E. HANDRAILS, CORNER GUARDS, HARDWARE, COVER PLATES, SIGNAGE, THERMOSTATS, MIRRORS, FIRE EXTINGUISHERS, LIGHT FIXTURES, EXIT LIGHTS, TOILET ACCESSORIES, ETC.) ON FLOORS, WALLS AND CEILINGS AS REQUIRED TO INSTALL THE NEW FINISHES. CLEAN AND REINSTALL THESE ITEMS U.I.O.
4. ALL EXISTING BUILDING UTILITIES SHALL REMAIN IN OPERATION DURING CONSTRUCTION. WHEN POSSIBLE, ANY TEMPORARY SUSPENSION OF SERVICES SHALL BE COORDINATED AND APPROVED BY THE OWNER'S REPRESENTATIVE, NOT LESS THAN 24 HOURS IN ADVANCE.
5. IN ORDER TO INSTALL SOME OF THE NEW WORK (PLUMBING AND ELECTRICAL) IT WILL BE NECESSARY FOR THE CONTRACTOR AND HIS SUB- CONTRACTORS TO REMOVE AND REPLACE (OR REFINISH) EXISTING CEILING, WALLS OR FLOORS IN OTHER AREAS OF THE BUILDING NOT SHOWN ON THESE DOCUMENTS. THE CONTRACTOR SHALL INCLUDE ALL SUCH COSTS IN HIS BASE BID, WHETHER SHOWN ON THESE PLANS OR NOT.
6. SEE PLUMBING AND ELECTRICAL DEMOLITION PLANS FOR THE EXTENT OF PLUMB/ELEC DEMOLITION REQUIRED.
7. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY PROJECT MANAGER OF ANY DISCREPANCIES OR CONFLICTS THAT MIGHT ARISE IN THE COURSE OF THE DEMOLITION WORK.
8. DO NOT REMOVE EXISTING POSTS/COLUMNS UNCOLLATERED DURING DEMOLITION.
9. CUTTING AND PATCHING: WHERE EXISTING WORK TO BE REMOVED IS CUT FOR REMOVAL OF OTHER EXISTING WORK OR FOR INSTALLATION OF NEW WORK, THE EXISTING WORK TO REMAIN SHALL BE PATCHED AS REQUIRED TO MATCH SCHEDULED FINISH OR WHERE UNSCHEDULED TO MATCH EXISTING FINISHES TO REMAIN. ALL PATCHING SHALL MEET OR EXCEED FIRE RATING INDICATED ON FLOOR PLAN AND AS REQUIRED BY THE FIRE/LIFE SAFETY INSPECTOR.
10. CONTRACTOR TO PROVIDE TEMPORARY CONSTRUCTION BARRIER AS NECESSARY FOR SEPARATION OF CONSTRUCTION AREAS AND ADJACENT OWNER OCCUPIED AREAS.
11. CONTRACTOR TO REMOVE ABANDONED ITEMS SUCH AS ABANDONED PIPING, CONDUIT, WIRING, DUCTWORK, ETC. PATCH AND REPAIR SURROUNDING SURFACES AS REQUIRED.
12. CONTRACTOR SHALL PROTECT EXISTING WALL, FLOOR, AND CEILING FINISHES, ITEMS AND FIXTURES NOT SCHEDULED FOR DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR DAMAGED FINISHES, ITEMS AND FIXTURES TO REMAIN AND/OR REPLACE IN KIND TO MATCH EXISTING.
13. WHERE EXISTING WORK TO BE REMOVED PENETRATES EXISTING PARTITIONS TO REMAIN THE PARTITION SHALL BE PATCHED TO MEET OR EXCEED FIRE RATINGS AS INDICATED ON FLOOR PLANS. FINISH TO MATCH EXISTING OR AS NOTED ON FINISH SCHEDULE.

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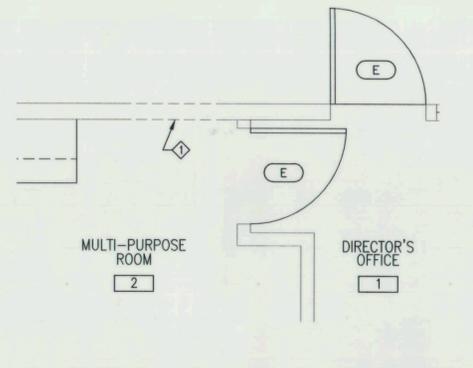
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**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**  
**DEMOLITION PLAN, FLOOR PLAN**

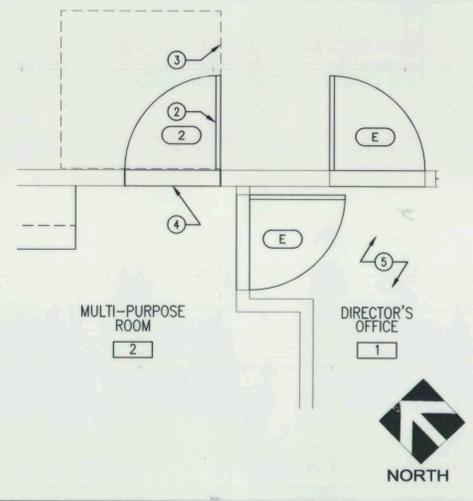
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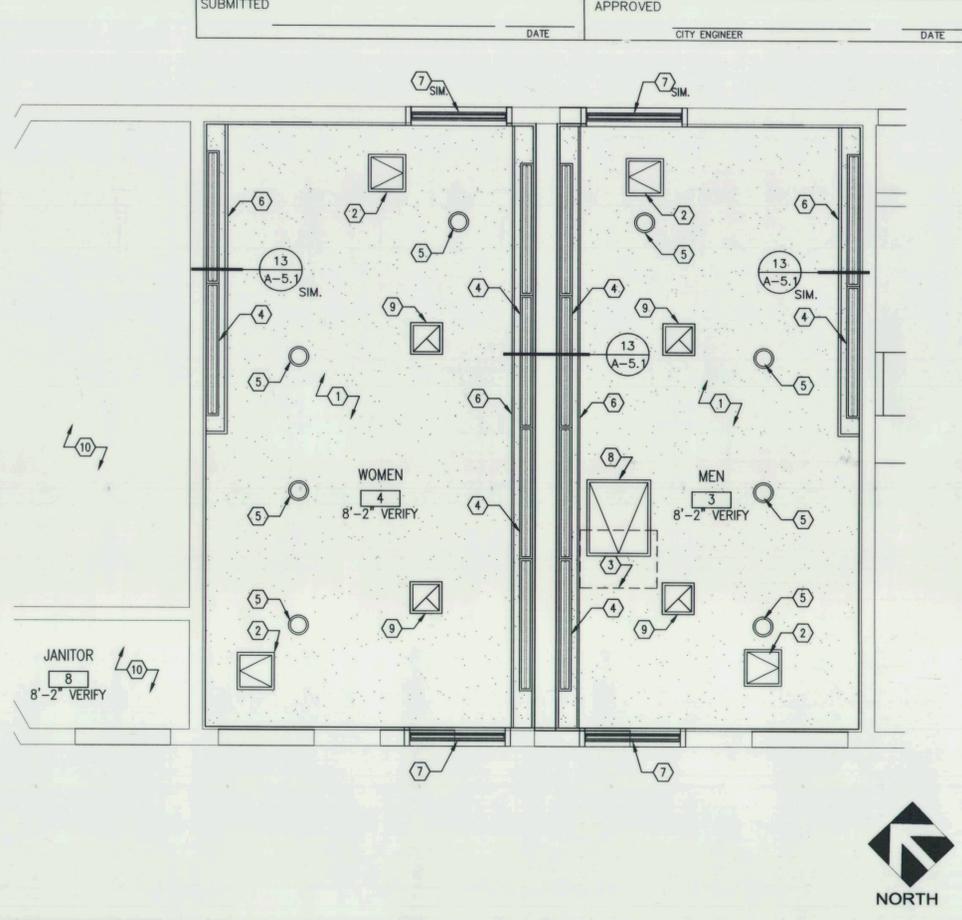
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**PARTIAL DEMO PLAN** SCALE: 3/8"=1'-0" **2**



**PARTIAL FLOOR PLAN** SCALE: 3/8"=1'-0" **3**

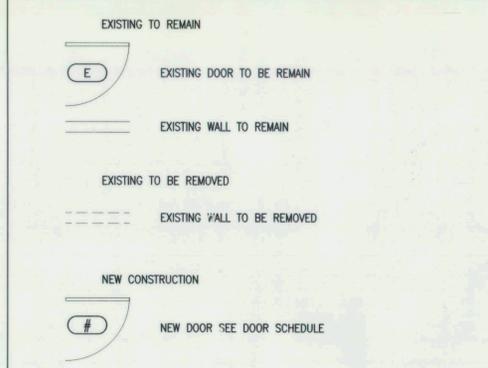


**REFLECTED CEILING PLAN** SCALE: 3/8"=1'-0" **1**

**KEYNOTES**

1. REMOVE PORTION OF WALL FOR NEW DOOR OPENING. REFER TO DOOR SCHEDULE. SHEET A-4.1.
2. NEW DOOR, REFER TO DOOR SCHEDULE.
3. REQUIRED DOOR CLEARANCE, REFER TO DETAIL 2/A-1.4.
4. THRESHOLD.
5. NO WORK, THIS AREA.

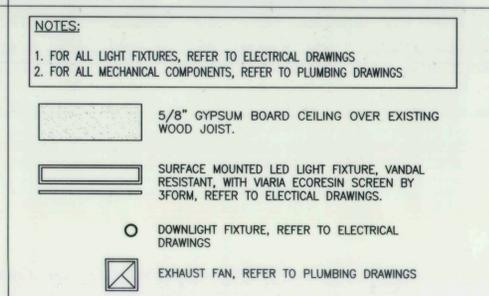
**LEGENDS**



**CEILING KEYNOTES**

1. NEW GYPSUM BOARD CEILING OVER EXISTING WOOD JOIST @ 16" O.C.
2. EXISTING PLYWOOD ACCESS PANEL, REPLACE WITH METAL ACCESS PANEL, SEE SPECIFICATION. REFER TO DETAIL 6/A-5.3.
3. EXISTING ACCESS PANEL, TO BE RELOCATED. REFER TO KEYNOTE 8.
4. SURFACE MOUNTED LED LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
5. DOWNLIGHTS, REFER TO ELECTRICAL DRAWINGS.
6. LIGHT SCREEN, ATTACHED TO ALUMINUM CHANNEL, REFER TO DETAIL 14/A-5.1.
7. LOUVER ATTACHED TO HOLLOW METAL, WITH INSECT SCREEN AT INTERIOR SIDE, REFER TO DETAIL 7/A-5.1.
8. NEW METAL ATTIC ACCESS LOCATION. COORDINATE LOCATION WITH TOILET PARTITION. REFER TO SPECIFICATION AND REFER TO DETAIL 6/A-5.3.
9. NEW EXHAUST FANS, REFER TO PLUMBING DRAWINGS. REFER TO DETAIL 7/A-5.3 FOR ROOF PENETRATION.
10. NO WORK, THIS AREA.

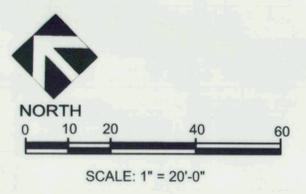
**LEGENDS**



**NOTES:**  
 1. FOR ALL LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS  
 2. FOR ALL MECHANICAL COMPONENTS, REFER TO PLUMBING DRAWINGS



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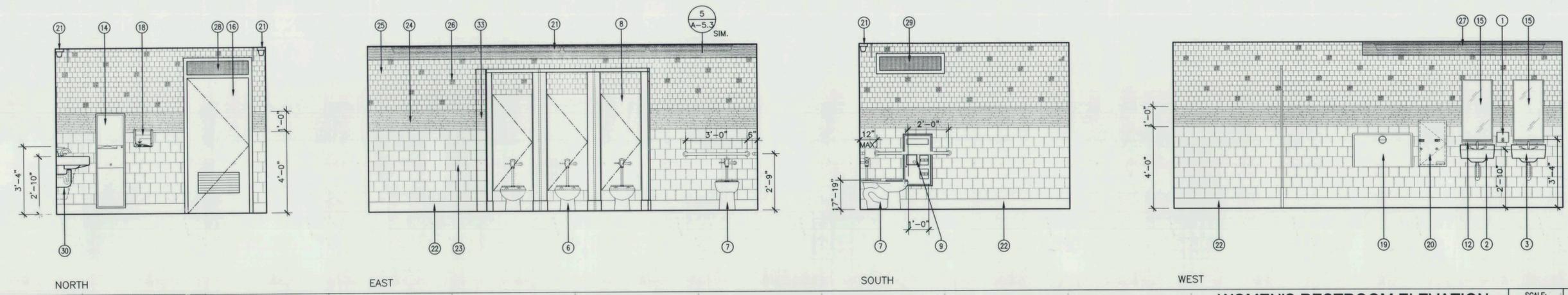
**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**  
**REFLECTED CEILING PLAN**

DRAWN BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_

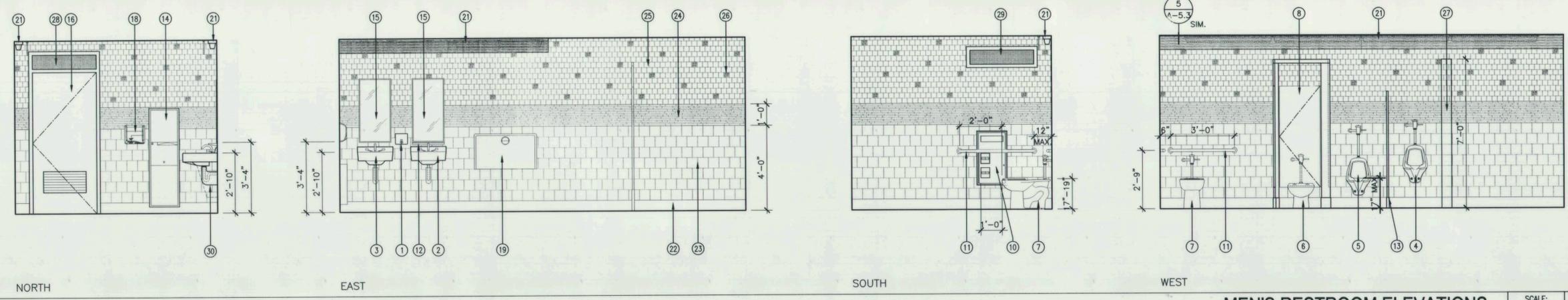
SHT. 11 OF 20 SHTS PLAN NO. **A-2.2**

**KEYNOTES**

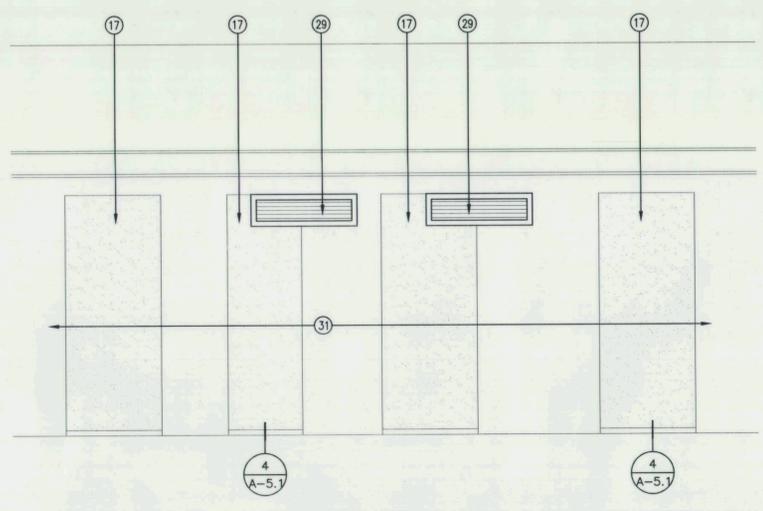
1. SOAP DISPENSER, REFER TO RESTROOM ACCESSORIES SCHEDULE ON SHEET A-4.1.
2. LAVATORY, REFER TO PLUMBING DRAWINGS.
3. ACCESSIBLE LAVATORY, REFER TO PLUMBING DRAWINGS. REFER TO DETAIL 1/A-1.5.
4. URINAL, REFER TO PLUMBING DRAWINGS.
5. ACCESSIBLE URINAL, REFER TO PLUMBING DRAWINGS, REFER TO DETAIL 4 AND 15/A-1.5.
6. WATER CLOSET, REFER TO PLUMBING DRAWINGS.
7. ACCESSIBLE WATER CLOSET, REFER TO PLUMBING DRAWINGS, REFER TO DETAIL 2 AND 15/A-1.5.
8. TOILET PARTITION, REFER TO RESTROOM ACCESSORIES SCHEDULE, REFER TO DETAIL 5/A-1.5.
9. RECESS ACCESSIBLE TOILET PAPER DISPENSER AND SEAT COVER DISPENSER, REFER TO RESTROOM ACCESSORIES SCHEDULE, WITH NAPKIN DISPOSAL AT WOMEN RESTROOM.
10. RECESS ACCESSIBLE TOILET PAPER DISPENSER AND SEAT COVER DISPENSER, REFER TO RESTROOM ACCESSORIES SCHEDULE.
11. GRAB BAR, REFER TO DETAILS 10 AND 11 /A-5.1. SEE ACCESSIBILITY SHEET FOR ACCESSIBILITY REQUIREMENTS, 2 AND 15/A-1.5.
12. STAINLESS STEEL SHELF, SEE RESTROOM ACCESSORIES SCHEDULE, SHEET A-4.1.
13. URINAL PARTITION, SEE RESTROOM ACCESSORIES SCHEDULE, SHEET A-4.1.
14. PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SEE RESTROOM ACCESSORIES SCHEDULE, SHEET A-4.1. REFER TO DETAIL 3 AND 15/A-1.5 FOR ACCESSIBILITY.
15. MIRROR, REFER TO RESTROOM ACCESSORIES SCHEDULE SHEET A-4.1. REFER TO DETAIL 1/A-1.5 FOR ACCESSIBLE LOCATION.
16. NEW LOUVER DOOR, REFER TO DOOR SCHEDULE.
17. INFILL EXISTING OPENING, WITH EXTERIOR CEMENT PLASTER OVER METAL LATHE OVER WATER PROOFING, FINISH TO MATCH EXISTING.
18. HAND DRYER REFER TO RESTROOM ACCESSORIES SCHEDULE AND ELECTRICAL DRAWINGS.
19. DIAPER CHANGE STATION, REFER TO RESTROOM ACCESSORIES SCHEDULE.
20. NAPKIN DISPENSER, REFER TO RESTROOM ACCESSORIES SCHEDULE.
21. LIGHT FIXTURE AND ACCENT SCREEN, REFER TO DETAIL 13 AND 14/A-5.1.
22. COVE BASE TILE, T2, REFER TO FINISH SCHEDULE.
23. CERAMIC TILE, WAINSCOT, T3, REFER TO FINISH SCHEDULE.
24. GLASS ACCENT TILE BAND, T4, REFER TO FINISH SCHEDULE.
25. CERAMIC TILE, T5, REFER TO FINISH SCHEDULE.
26. GLASS ACCENT TILE, T6, REFER TO FINISH SCHEDULE.
27. TILE AT END WALL, REFER TO DETAIL 15/A-5.1.
28. LOUVER TRANSOM PANEL, REFER TO DETAIL 7/A-5.1.
29. LOUVER ON HOLLOW METAL FRAME, REFER TO DETAIL 7/A-5.1.
30. INSULATE PIPES.
31. PAINT EXTERIOR PLASTER FOR THE ENTIRE BUILDING.
32. REFER TO DETAIL 7 AND 8 SHEET A-1.5 FOR RESTROOM SIGNAGE.



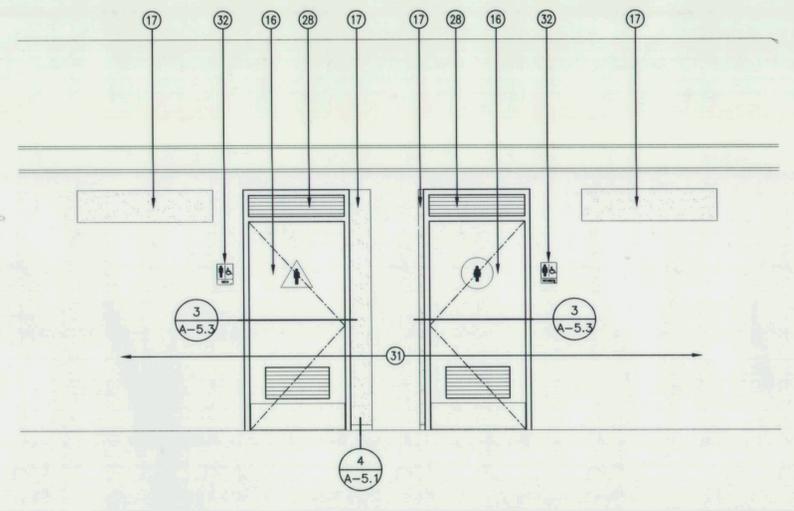
**WOMEN'S RESTROOM ELEVATION** SCALE: 3/8"=1'-0" 1



**MEN'S RESTROOM ELEVATIONS** SCALE: 3/8"=1'-0" 2



**PARTIAL EXTERIOR ELEVATIONS (SOUTH)** SCALE: 3/8"=1'-0" 4



**PARTIAL EXTERIOR ELEVATIONS (NORTH)** SCALE: 3/8"=1'-0" 3

**ALEXANDER + HIBBS, AIA, INC.**  
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13191 CROSSROADS PARKWAY NORTH, SUITE 475  
INDUSTRY, CA 91746-3497  
(562) 908-6200

UNDER THE SUPERVISION OF:  
05/04/12

BENCH MARK:  
NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_

SEE TOPOGRAPHIC SURVEY MAP  
ROBERT RYAN PARK  
PREPARED BY  
MCGEE SURVEYING CONSULTING  
805.964.3520

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NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**

**INTERIOR ELEVATIONS**

DRAWN BY : \_\_\_\_\_  
DESIGNED BY : \_\_\_\_\_  
CHECKED BY : \_\_\_\_\_

SHT. 12 OF 20 SHTS PLAN NO. **A-3.1**

Directory Path: s:\j101025 Rancho Palos Verdes Ryan Park ADA\Alexander+Hibbs\2012-A-3.1.dwg. Date: 05/04/12

# RESTROOM ACCESSORIES SCHEDULE				
EQUIPMENT TYPE	MANUF.	MODEL	MATERIAL/COLOR/FINISH	REMARKS
A SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-4112	STAINLESS STEEL	-
B RECESS MOUNTED PAPER TOWEL DISPENSER & DISPOSAL	BOBRICK	B-43944	STAINLESS STEEL	BACKER PLATE
C MIRROR	BOBRICK	B-2908-18x36	STAINLESS STEEL	BACKING PLATE
D SHELF	BOBRICK	B-295 -18"	STAINLESS STEEL	-
E RECESS MOUNTED SANITARY NAPKIN DISPENSER	BOBRICK	B-43500	STAINLESS STEEL	-
F SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	STAINLESS STEEL	-
G SURFACE MOUNTED TOILET PAPER	BOBRICK	B-4288	STAINLESS STEEL	2 ROLLS
H SURFACE MOUNTED TOILET SEAT COVER DISPENSER	BOBRICK	B-4221	STAINLESS STEEL	-
J BABY CHANGING STATION	BOBRICK	KB110-SSWM	STAINLESS STEEL	BACKER PLATE
K RECESS MOUNTED TOILET SEAT COVER TOILET PAPER, AND NAPKIN DISPOSAL	BOBRICK	B-3574	STAINLESS STEEL	-
L RECESS MOUNTED TOILET SEAT COVER TOILET PAPER	BOBRICK	B-3474	STAINLESS STEEL	-
M GRAB BAR	BOBRICK	KB110-SSWM	STAINLESS STEEL	BACKER PLATE
N URINAL PARTITION	-	-	-	SEE SPECIFICATION
P TOILET PARTITION	-	-	-	SEE SPECIFICATION
Q CLOTHES HOOK AND BUMPER	BOBRICK	B-212	SOLID ALUMINUM CASTING	-
R HAND DRYER	SANIFLOW	M06ACS	STAINLESS STEEL TYPE 304	-

NOTE:  
 1. SEE PLUMBING DRAWINGS FOR FIXTURES NOT LISTED HERE.  
 2. ACCESSIBLE CLOTHING HOOKS SHALL BE LOCATED NOT GREATER THAN 48" ABOVE THE FLOOR. (1117B.8)  
 3. SEE SPECIFICATION SECTION 10800 FOR RESTROOM ACCESSORIES.  
 4. SEE SPECIFICATION SECTION 10170 FOR PARTITION.

# DOOR SCHEDULE															
NO.	SIZE			CONSTRUCTION			FINISH		LBL	HDW SET	SGN	DETAILS			REMARKS
	WIDTH	HEIGHT	THK.	TYPE	DOOR	FRAME	DOOR	FRAME				HEAD	JAMB	THRSH	
2	3'-0"	7'-0"	1 3/4"	B	H.M	HM	P2	P2		2		6 A-5.1	6 A-5.1	9 A-5.1	1, 6 AND 7
3	3'-0"	7'-0"	1 3/4"	A	H.M	HM	P2	P2		1	1	7 A-5.1	5 A-5.1	8 A-5.1	1
4	3'-0"	7'-0"	1 3/4"	A	H.M	HM	P2	P2		1	1	7 A-5.1	5 A-5.1	8 A-5.1	1

DOOR HARDWARE	DOOR TYPE	DOOR SCHEDULE NOTES:
REFER TO SPECIFICATION FOR HARDWARE SCHEDULE.		1. EXIT DOORS SHALL BE CAPABLE OF OPENING WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT (TYPICAL ALL EXIT DOORS). BUILDING CODE 1003.3.1.8 2. PROVIDE "S" LABEL ON ALL RATED DOORS PER CBC SEC. 715.4.5. DOOR SHALL COMPLY PER SECTION 715.4.4. 3. ALL GLAZING IN DOORS OR WITHIN 40" OF LOCKING DEVICE SHALL BE FULLY TEMPERED. EACH LIGHT OF SAFETY GLAZING SHALL BE PERMANENTLY IDENTIFIED PER TITLE 24 SECTION 2406.2 4. MAIN ENTRY DOORS SHALL HAVE A SIGN IN CONTRASTING LETTERS OF 1 INCH OR MORE IN HEIGHT STATING: THIS DOOR TO REMAIN UNLOCKED WHENEVER THE BUILDING IS OCCUPIED. 5. ALL FIRE RATED DOORS SHALL BE MAINTAINED SELF-CLOSING OR SHALL BE AUTOMATIC CLOSING BY ACTUATION OF A SMOKE DETECTOR IN ACCORDANCE WITH SEC. 713.2. 6. PROVIDE APPROVED PANIC HARDWARE ON REQUIRED EXIT DOORS, TITLE 24 SECTION 1007.2.5 AND 1003.3.1.9 7. MANUAL FLUSH OR SURFACE BOLTS ARE NOT ALLOWED TO BE USED FOR DOORS OF NORMALLY OCCUPIED ROOMS. (1003.3.1.8)

# FINISH SCHEDULE															
NO.	ROOM NAME	FLR	BASE	WALLS								CEILING			REMARKS
				N		E		S		W		MTL.	FIN.	HGT.	
				MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.				
2	MULTI-PURPOSE ROOM	(E)	(E)	(E)	P2	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	PAINT NORTH WALL
3	MEN	T1	T2	-	T3, T4, T5 & T6	-	T3, T4, T5 & T6	-	T3, T4, T5 & T6	-	T3, T4, T5 & T6	GB1	P1	8'-2"±	REFER TO INTERIOR ELEVATION FOR TILE REFERENCE
4	WOMEN	T1	T2	-	T3, T4, T5 & T6	-	T3, T4, T5 & T6	-	T3, T4, T5 & T6	-	T3, T4, T5 & T6	GB1	P1	8'-2"±	REFER TO INTERIOR ELEVATION FOR TILE REFERENCE

# FINISH ABBREVIATIONS		
<b>PAINT:</b>		
P1	VENDOR: DUNN EDWARDS COLOR, DEW341 SWISS COFFEE FINISH, SATIN	
P2	COLOR, MATCH EXISTING BUILDING COLOR BLUE.	
<b>TILE:</b>		
T1	CERAMIC FLOOR TILE, SEE DETAILS 12/A-5.1. VENDOR, CROSSVILLE, INC. COLLECTION, COLOR BLOX COLOR, A-1113 BLUE SUEDE SHOES SIZE, 3X3 GROUT, (LATICRETE), 53 TWILIGHT BLUE	
T2	CERAMIC TILE COVED BASE VENDOR, CROSSVILLE, INC. COLLECTION, COLOR BLOX COLOR, A-1113 BLUE SUEDE SHOES SIZE, 6X12 GROUT, (LATICRETE) 53 TWILIGHT BLUE	
T3	CERAMIC TILE WALL, SEE INTERIOR ELEVATIONS ON SHEET A-3.1 AND TILE DETAIL ON 17/A-5.1. VENDOR, CROSSVILLE, INC. COLLECTION, COLOR BLOX COLOR, A-1101, SAND BOX SIZE, 6X6 STAGGERED - WAINSCOT GROUT, (LATICRETE) 85 ALMOND	
<b>FINISH ABBREVIATIONS CONT.</b>		
<b>TILE:</b>		
T4	GLASS TILE ACCENT BAND, SEE INTERIOR ELEVATIONS ON SHEET A-3.1 AND TILE WALL DETAIL ON SHEET A-5.1. VENDOR, CROSSVILLE, INC. COLLECTION, EBB AND FLOW COLOR, EF06/1.1MIXMOS WIND AND RAIN SIZE, LINEAR MIXED MOSAIC, ACCENT BAND SET TILE ON WHITE THIN SET GROUT, (LATICRETE) 85 ALMOND	
T5	CERAMIC TILE WALL, SEE INTERIOR ELEVATIONS ON SHEET A-3.1 AND TILE WALL DETAIL ON SHEET A-5.1. VENDOR, CROSSVILLE, INC. COLLECTION, COLOR BLOX COLOR, A-1101, SAND BOX SIZE, 3X3 STAGGERED - ABOVE ACCENT TILE GROUT, (LATICRETE) 85 ALMOND	
T6	GLASS TILE ACCENT, SEE INTERIOR ELEVATIONS ON SHEET A-3.1 AND TILE WALL DETAIL ON SHEET A-5.1. VENDOR, CROSSVILLE, INC. COLLECTION, EBB AND FLOW COLOR, EF06/1.5MOS WIND AND RAIN SIZE, 1/2" X 1/2" MOSAICS SET TILE ON WHITE THIN SET GROUT, (LATICRETE) 85 ALMOND	
<b>ABBREVIATIONS:</b>		
GB1	5/8" TYPE "X" GYPSUM BOARD	
H.M	HALLOW METAL	
(E)	EXISTING	



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PLANS PREPARED BY:  
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 (952) 908-6200  
 UNDER THE SUPERVISION OF:  
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 SEE TOPOGRAPHIC SURVEY MAP  
 ROBERT RYAN PARK  
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 MCGEE SURVEYING CONSULTING  
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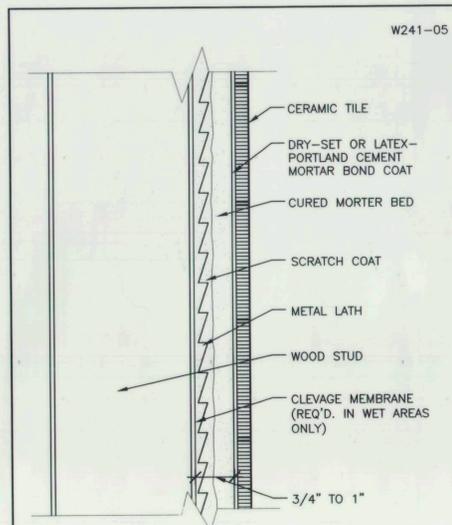
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**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**  
**DOOR SCHEDULE AND FINISH SCHEDULE RESTROOM ACCESSORIES SCHEDULE**

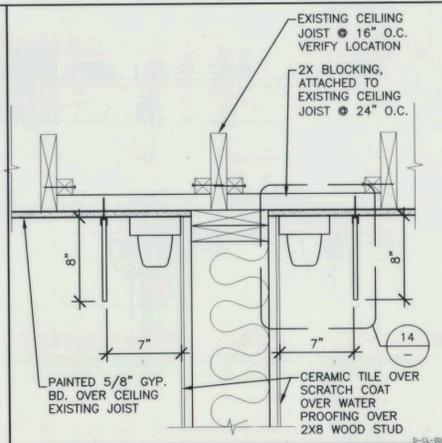
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SHT. 13 OF 20 SHTS

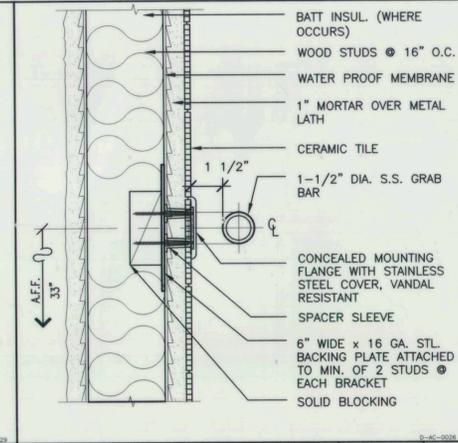
PLAN NO. **A-4.1**



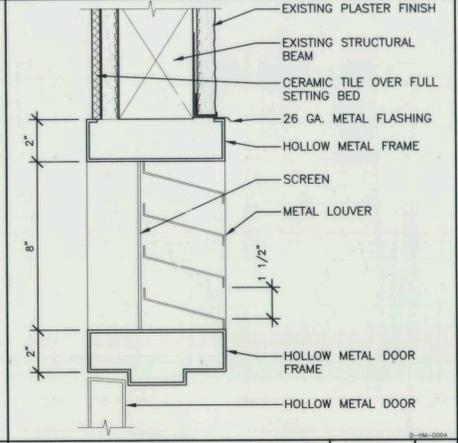
NOTES:  
 MATERIALS:  
 • MEMBRANE (ANSI-2.1.8)-15 lb. ROOFING FELT OR 4-mil POLYETHYLENE FILM (REQUIRED IN WET AREAS ONLY).  
 • PORTLAND CEMENT-ASTM C150 TYPE 1.  
 • LIME-ASTM C206 TYPE S OR ASTM C270 TYPE S.  
 • SAND-ASTM C144.  
 • WATER-POTABLE.  
 • SCRATCH COAT- 1PART PORTLAND CEMENT, 1/2 PART LIME, AND 4 PARTS DRY SAND TO 5 PARTS DAMP SAND OR 1 PART PORTLAND CEMENT, 3 PARTS DRY SAND TO 4 PARTS DAMP SAND.  
 • MORTAR BED-1PART PORTLAND CEMENT 1/2 PART LIME AND 5 PARTS DAMP SAND UP TO 1 PART PORTLAND CEMENT, 1 PART LIME AND 7 PARTS DAMP SAND, BY VOLUME.  
 • DRY-SET MORTAR-ANSI A118.1.  
 • LATEX-PORTLAND CEMENT MORTAR-ANSI A118.4.  
 • METAL LATH-GALVANIZED OR PAINTED EXPANDED METAL LATH 3.4 lbs./sq. yd. DO NOT USE RIB LATH.  
 • METAL STUDS- ASTM C645.  
 • GROUT-ANSI A118.6 OR A118.7.  
 INSTALLATION SPECIFICATIONS:  
 • CURED MORTAR BED-ANSI A108.1B  
 • TILE-ANSI A108.5.  
 • GROUT-ANSI A108.10.



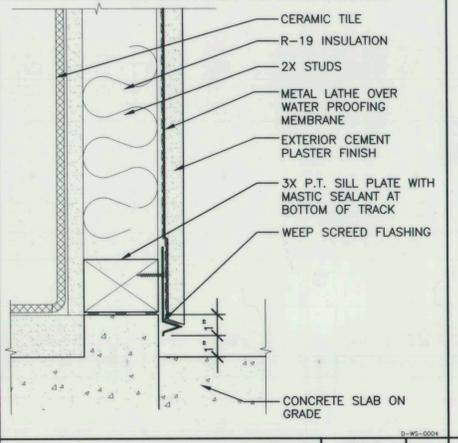
**SURFACE MOUNTED LIGHTING** SCALE: 1 1/2"=1'-0" 13



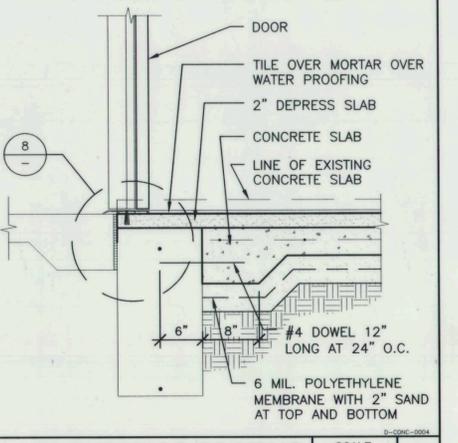
**GRAB BAR** SCALE: 3"=1'-0" 10



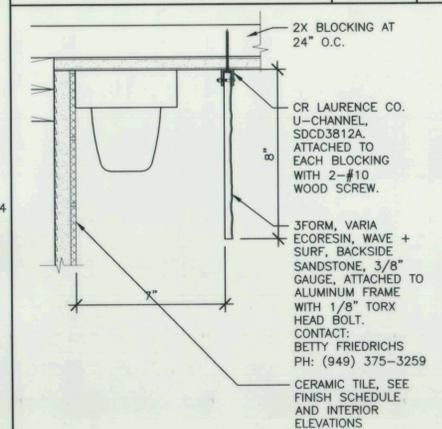
**DOOR HEAD/TRANSOM** SCALE: 3"=1'-0" 7



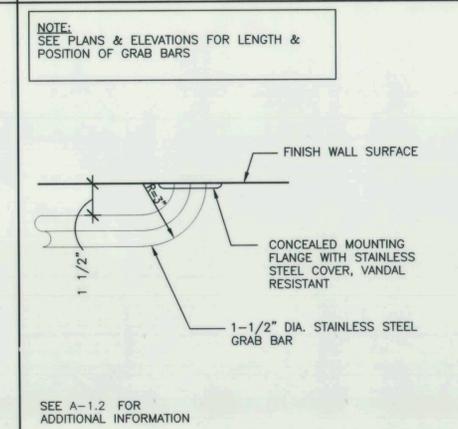
**WEEP SCREED** SCALE: 3"=1'-0" 4



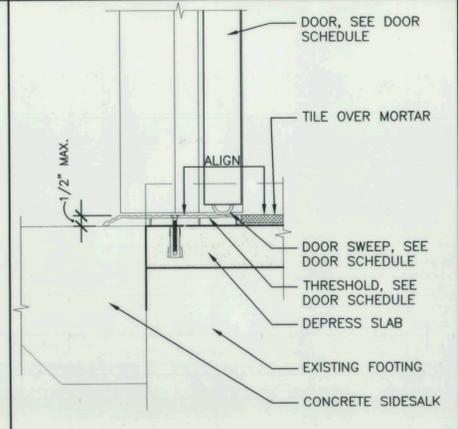
**(E) EXTERIOR FOOTING** SCALE: 1"=1'-0" 1



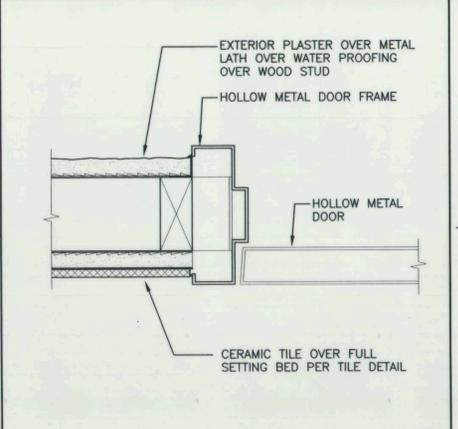
**SURFACE MOUNTED LIGHTING** SCALE: 1 1/2"=1'-0" 14



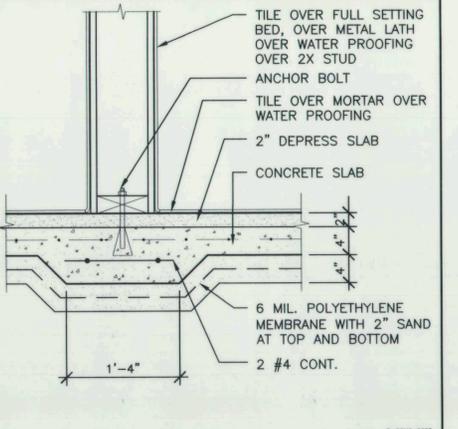
**GRAB BAR END RETURN** SCALE: 3"=1'-0" 11



**THRESHOLD** SCALE: 3"=1'-0" 8

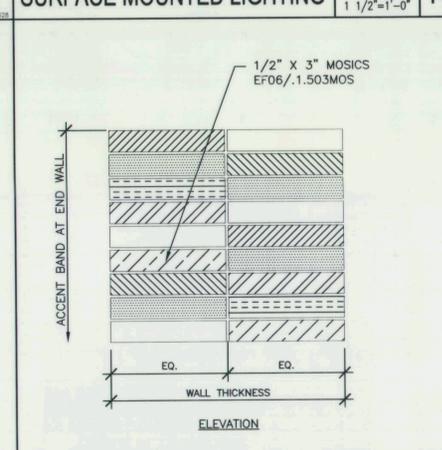


**DOOR JAMB** SCALE: 3"=1'-0" 5

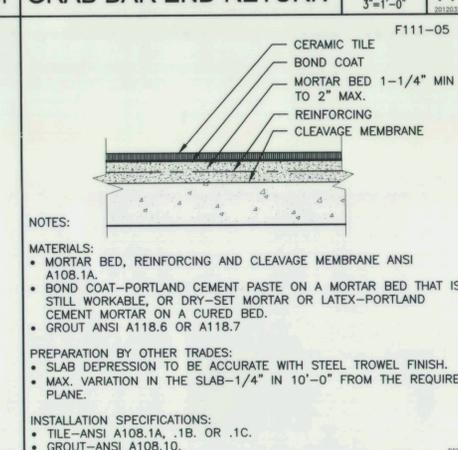


**THICKENED SLAB** SCALE: 1"=1'-0" 2

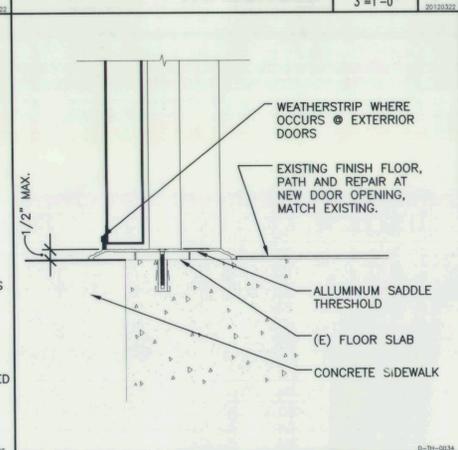
**TILE WALL** SCALE: NONE 17



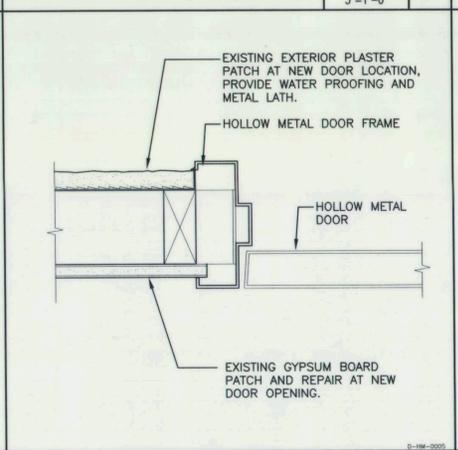
**END WALL** SCALE: 6"=1'-0" 15



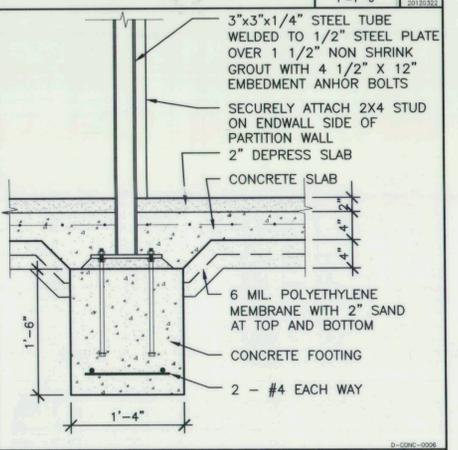
**TILE FLOOR** SCALE: NONE 12



**THRESHOLD** SCALE: 3"=1'-0" 9



**DOOR JAMB** SCALE: 3"=1'-0" 6



**FOOTING AT POST** SCALE: 1"=1'-0" 3



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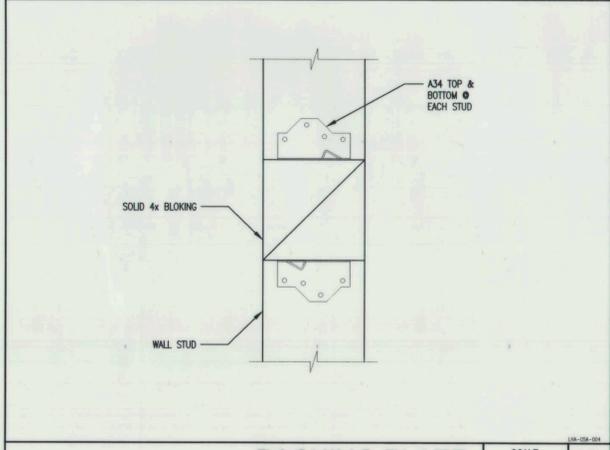
BENCH MARK:  
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 SEE TOPOGRAPHIC SURVEY MAP  
 ROBERT RYAN PARK  
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REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT**  
**AND ACCESSIBILITY COMPLIANCE**

**DETAILS**  
 DRAWN BY : \_\_\_\_\_  
 DESIGNED BY : \_\_\_\_\_  
 CHECKED BY : \_\_\_\_\_  
 SHT. 14 OF 20 SHTS  
 PLAN NO. **A-5.1**

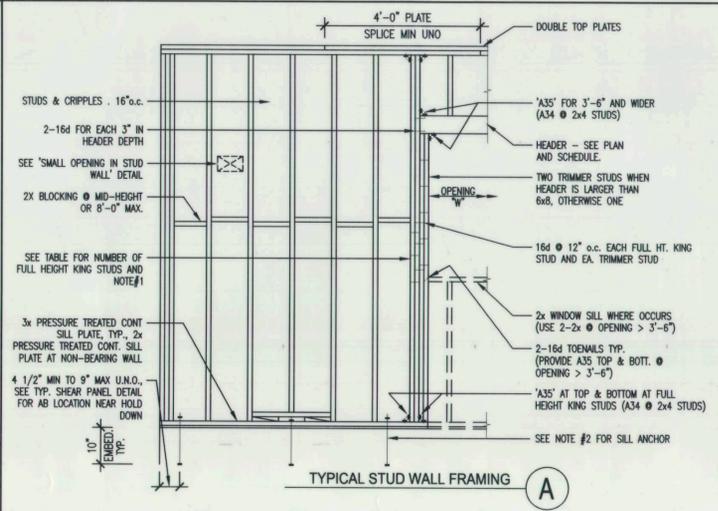
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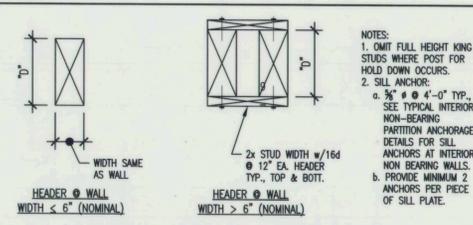
**BACKING PLATE** SCALE: NONE 10

- A. STEEL PLATES: ASTM A36  
 B. BOLTS: ASTM A307  
 C. ANHOR BOLTS: ASTM F1554, GR 36 (HEADED)  
 D. HSS (SQUARE) A500, GR B.  
 E. LUMBER:
- ALL LUMBER SHALL BE DOUGLAS FIR, COAST REGION, GRADED IN ACCORDANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU GRADING AND DRESSING RULES #16.
  - ALL LUMBER SHALL BE #1 UNLESS NOTED OTHERWISE.
  - ALL WOOD BEARING ON CONCRETE OR MASONRY, IF LESS THAN 4'-0" ABOVE GRADE SHALL BE PRESSURE TREATED DOUGLAS FIR IN ACCORDANCE WITH UBC SECTION 2303.1.3.
  - PRESSURE TREATED DOUGLAS FIR SHALL BEAR THE WCLUB GRADE STAMP AND A.W.P.A. QUALITY MARK, AND SHALL BE #2 MINIMUM. CUTS AND HOLES SHALL BE RETREATED PER A.W.P.A. STANDARDS.
  - PLYWOOD SHALL BE STRUCTURAL 1 UNLESS NOTED OTHERWISE. NO INDIVIDUAL PLYWOOD SHEET SHALL BE LESS THAN 2'-0" IN ITS LEAST DIMENSION, NOR LESS THAN EIGHT (8) SQUARE FEET IN AREA. FULL PLYWOOD SHEETS (4' x 8') SHALL BE USED WHEREVER POSSIBLE.
  - NAILS SHALL BE COMMON.
  - THE MINIMUM NAILING TO CONNECT WOOD MEMBERS SHALL BE AS SPECIFIED IN TABLE 23-1-D OF THE UBC.
  - STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, CONDUIT, ETC., UNLESS SPECIFICALLY NOTED OR DETAILED FOR SUCH ALTERATIONS.
  - ROOF SHEATHING SHALL BE INSPECTED PRIOR TO PLACING INSULATION AND ROOFING.
  - SOLID BLOCKING (2x MIN.) SHALL BE PLACED BETWEEN JOISTS OR RAFTERS AT ALL SUPPORTS.
  - HOLES FOR BOLTS SHALL BE BORED 1/32" TO 1/16" LARGER THAN NOMINAL BOLT DIAMETER INCLUDING HOLES FOR ANCHOR BOLTS IN SILL PLATES.
  - ALL BOLTS BEARING ON WOOD SHALL HAVE STANDARD CUT WASHERS UNDER HEAD AND/OR NUT.
  - ALL BOLTS SHALL BE RETIGHTENED PRIOR TO APPLICATION OF PLASTER, DRYWALL, PLYWOOD, ETC. BOLTS SHALL BE A307.
  - ALL FRAMING HARDWARE SHALL BE AS MANUFACTURED BY THE SIMPSON CO., OR APPROVED EQUAL.
  - ALL POST CONNECTIONS AT BOTTOM SHALL BE SIMPSON "CB" AND "CC" AT TOP UNLESS NOTED OR DETAILED OTHERWISE.

**GENERAL NOTES:** SCALE: N.T.S. 12

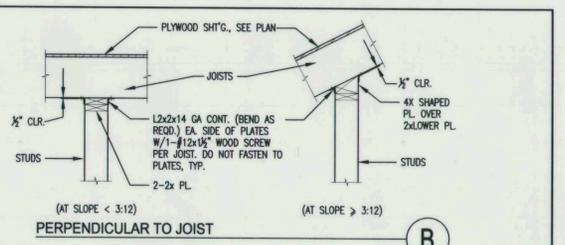


**TYPICAL STUD WALL FRAMING** A

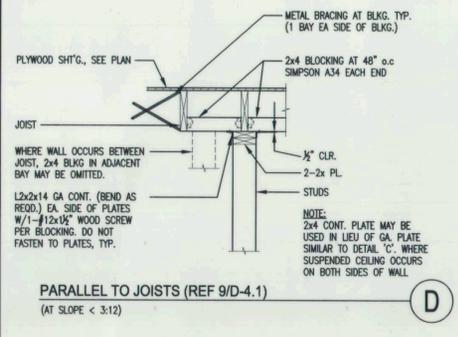


**HEADER AND KING STUD SCHEDULE**

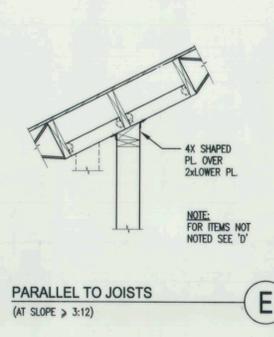
OPENING WIDTH 'W'	HEADER DEPTH 'D' (NOMINAL) INCHES		NUMBER OF FULL HEIGHT KING STUDS	
	BEARING WALL & EXTERIOR WALL	NON-BEARING WALL	EXTERIOR WALL	INTERIOR WALL
W < 6'-0"	6	6	2	2
6'-0" ≤ W ≤ 8'-0"	8	6	3	2
8'-0" ≤ W ≤ 10'-0"	10	8	3	2
10'-0" ≤ W ≤ 12'-0"	SEE PLAN	8	4	2
12'-0" < W	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN



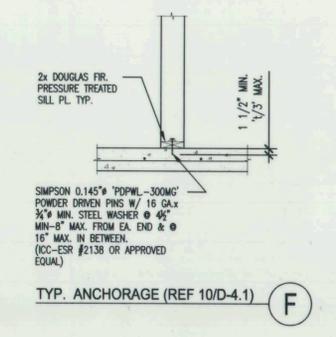
**PERPENDICULAR TO JOIST** B  
**ALT PERPENDICULAR TO JOIST AT SUSPENDED CLG** C



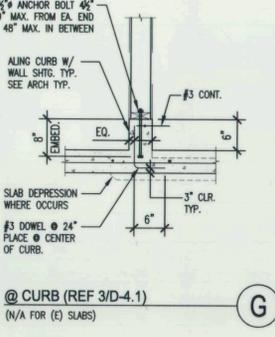
**PARALLEL TO JOISTS (REF 9/D-4.1)** D (AT SLOPE < 3:12)



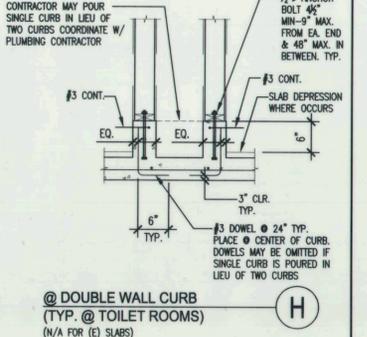
**PARALLEL TO JOISTS** E (AT SLOPE > 3:12)



**TYP. ANCHORAGE (REF 10/D-4.1)** F

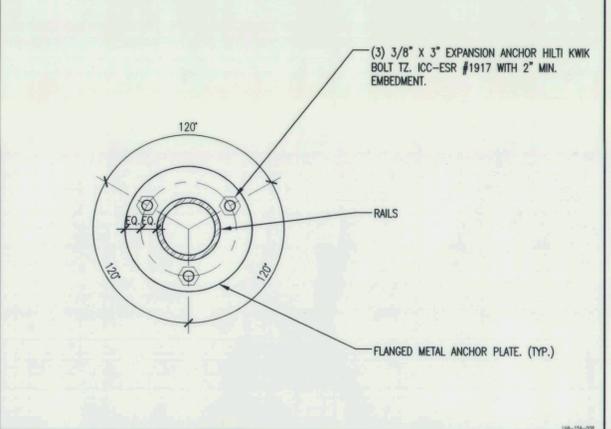


**@ CURB (REF 3/D-4.1)** G (N/A FOR (E) SLABS)

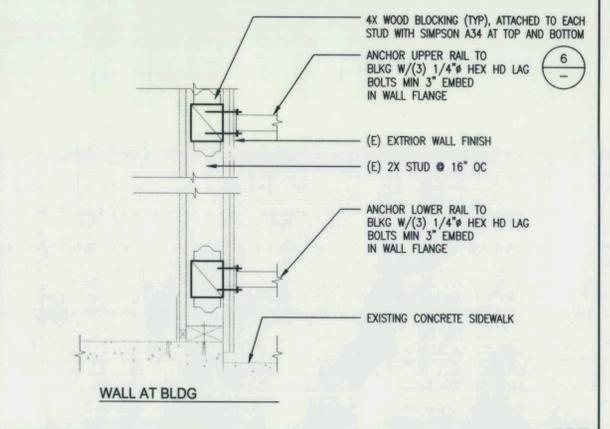


**@ DOUBLE WALL CURB (TYP. @ TOILET ROOMS)** H (N/A FOR (E) SLABS)

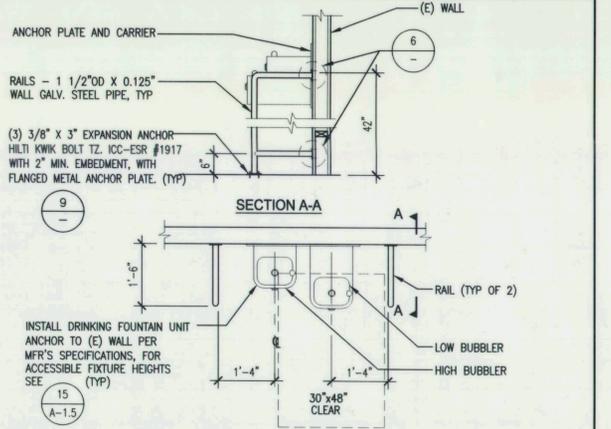
**TYPICAL NON-BEARING PARTITION FRAMING AND ANCHORAGE AT SILL** SCALE: N.T.S. 2



**RAIL ATTACHEMENT TO CONC./MASONRY** SCALE: 6"=1'-0" 9



**RAIL ATTACHEMENT AT (E) WALL** SCALE: 1 1/2"=1'-0" 6



**DUAL HEIGHT DRINKING FOUNTAIN** SCALE: 1/2"=1'-0" 3



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 13191 CROSSROADS PARKWAY NORTH, SUITE 405  
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 UNDER THE SUPERVISION OF:  
 05/04/12

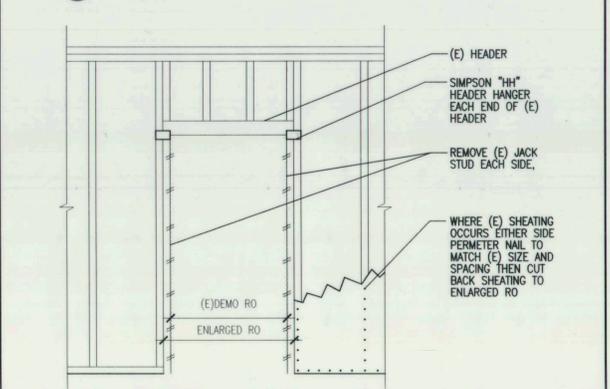
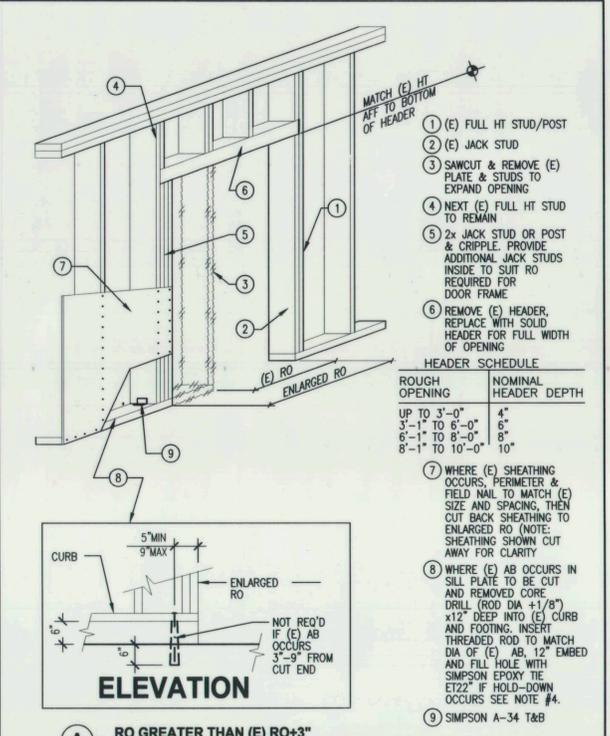
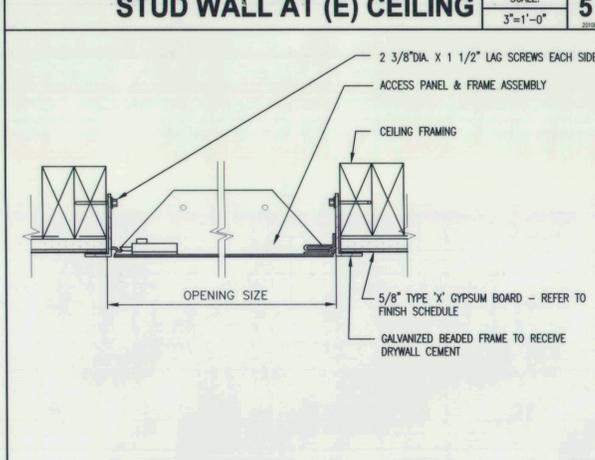
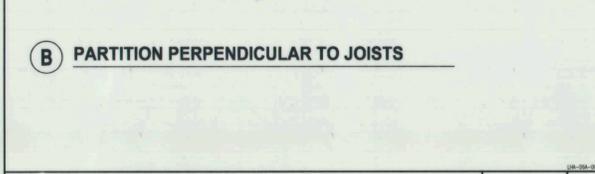
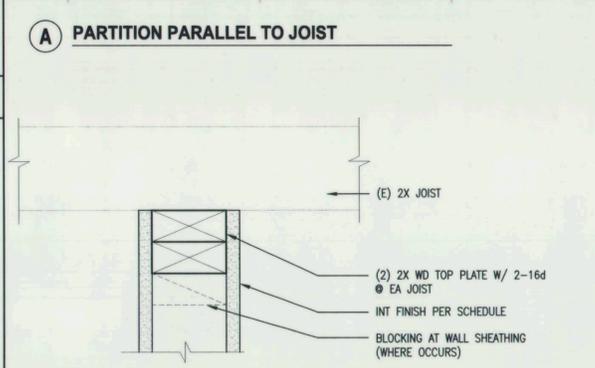
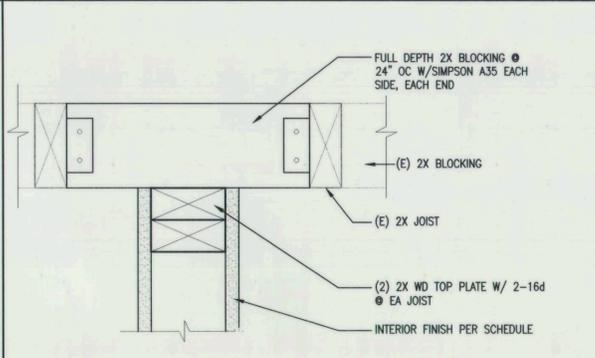
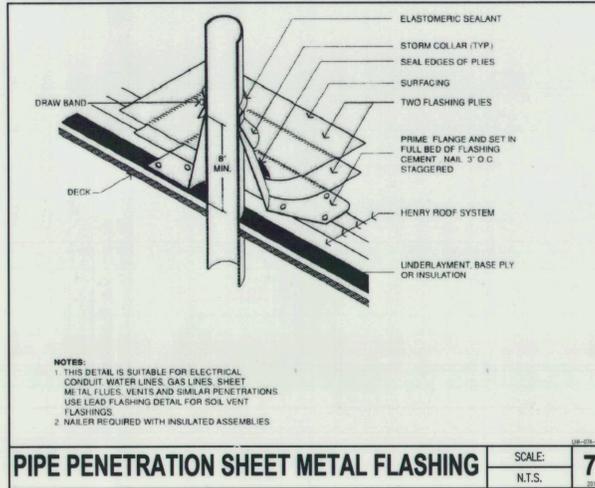
BENCH MARK:  
 NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
 DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_  
 SEE TOPOGRAPHIC SURVEY MAP  
 ROBERT RYAN PARK  
 PREPARED BY  
 MCGEE SURVEYING CONSULTING  
 805.964.3520

**REVISIONS**

NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**

**DETAILS**  
 DRAWN BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 SHT. 15 OF 20 SHTS  
 PLAN NO. **A-5.2**



NOTES:  
1. FRAMING SHALL MATCH THE DEPTH OF (E) MEMBERS, UON.  
2. SAWCUT AND REMOVE (E) CONCRETE CURB, WHERE OCCURS, IN LINE WITH ENLARGED RO.  
3. REMOVE AND REPLACE (E) FINISHES AROUND OPENING AS REQUIRED TO PERFORM WORK DESCRIBED/SHOWN.  
4. NOTIFY ARCHITECT IMMEDIATELY FOR DIRECTION IF LOCATIONS OF (E) HOLD-DOWNS VARY FROM THOSE SHOWN IN OWNERS AS BUILT DRAWINGS AND IF HOLD-DOWN OCCURS IN FRAMING TO BE REMOVED.  
5. SHORE UP (E) WALL FRAMING WHILE HEADER SUPPORT IS MODIFIED.



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BENCH MARK:  
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DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_  
SEE TOPOGRAPHIC SURVEY MAP  
**ROBERT RYAN PARK**  
PREPARED BY  
MCGEE SURVEYING CONSULTING  
805.964.3520

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**

**DETAILS**

DRAWN BY :  
DESIGNED BY :  
CHECKED BY :

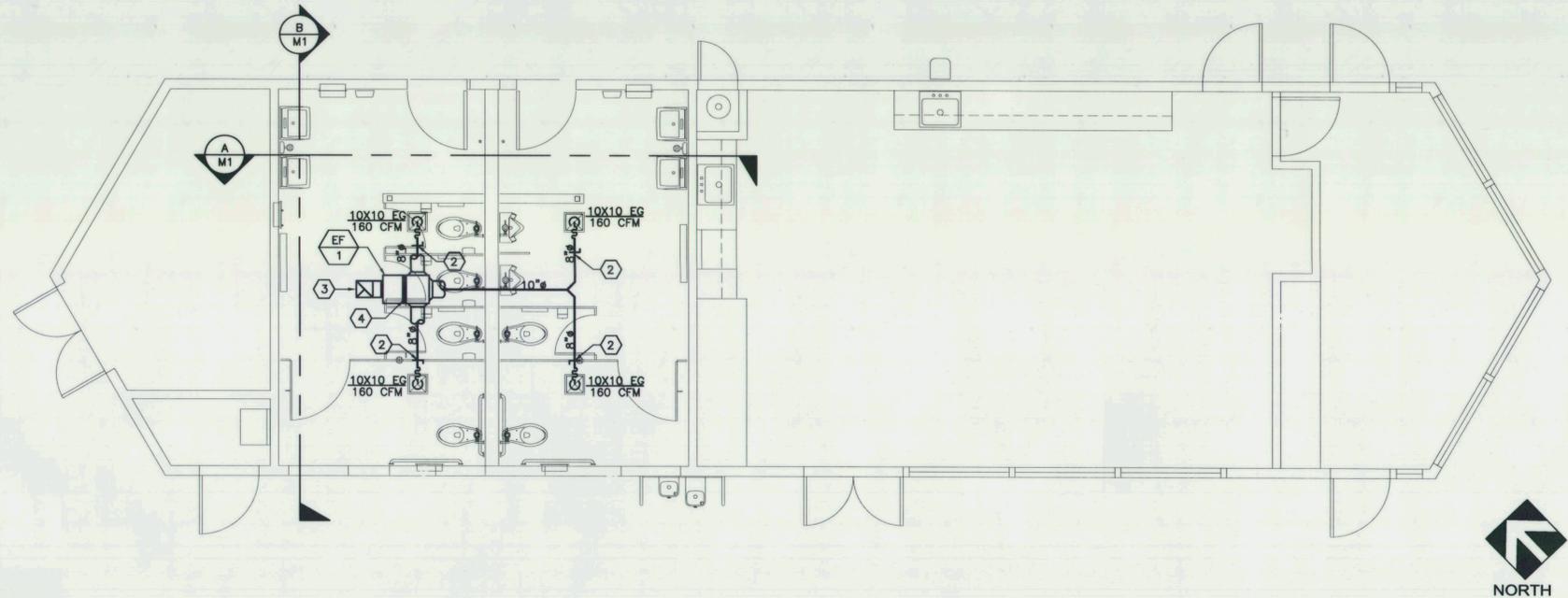
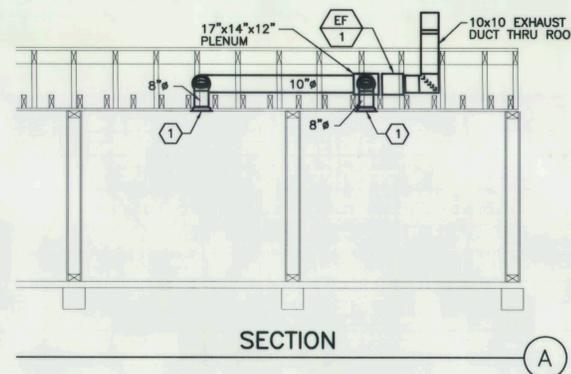
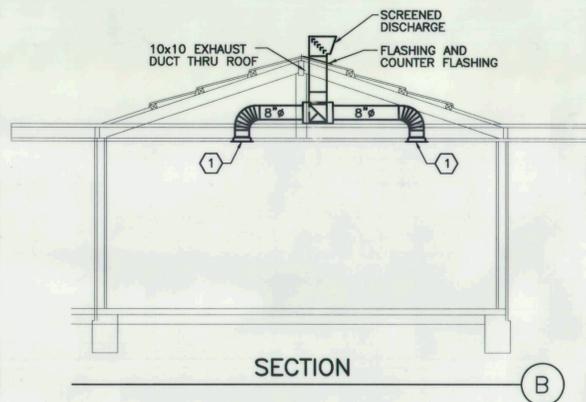
SHT. 16 OF 20 SHTS

PLAN NO. **A-5.3**

**CONSTRUCTION NOTES:**

- ① 10x10 EXHAUST GRILLE
- ② MANUAL VOLUME DAMPER
- ③ 10x10 EXHAUST THRU THE ROOF
- ④ FLEX. CONN.
- ⑤ ALL DUCTWORK SHALL BE GALVANIZED STEEL.
- ⑥ EXHAUST FAN ON/OFF CONTROL SHALL BE INTERCONNECTED WITH LIGHTING.

EF 1 EXHAUST FAN: COOK "GEMINI" MODEL GN-740  
 640 CFM, 600SP, 1574 RPM, 308 WATT INPUT  
 .25 HP MOTOR, 120V, 1ϕ, OPERATING WT. 36 LBS.



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

CONSTRUCTION MECHANICAL PLAN SCALE: 1/4"=1'-0" 1



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REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT**  
**AND ACCESSIBILITY COMPLIANCE**

**MECHANICAL PLAN**

DRAWN BY :	JS	SHT. 17 OF 20 SHTS	PLAN NO. <b>M-1</b>
DESIGNED BY :	JS		
CHECKED BY :	SA/RC		

FIXTURE SCHEDULE								
ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION
		TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	
WC 1	WATER CLOSET FLOOR. MTD.	INT.	4"	2"	--	1"	--	A/S NO. 3451.001 "MADERA FloWise" 15" HIGH EFFICIENCY FLOOR MOUNTED FLUSH VALVE, 1.28 GPF COMPLETE WITH SLOAN ROYAL NO. 111-1.28 (1.28 GPF) FLUSH VALVE, CHURCH NO. 9500SST SELF-SUSTAINING SEAT AND A/S BOLT CAPS.
WC 2	WATER CLOSET FLOOR. MTD. (ACCESSIBLE)	INT.	4"	2"	--	1"	--	A/S NO. 3043.528 "MADERA FloWise" RIGHT HEIGHT ELONGATED, FLOOR MOUNTED FLUSH VALVE, 1.28 GPF COMPLETE WITH SLOAN ROYAL NO. 111-1.28 (1.28 GPF) FLUSH VALVE, CHURCH NO. 9500SST SELF-SUSTAINING SEAT AND A/S BOLT CAPS.
L 1	LAVATORY WALL MTD. (ACCESSIBLE)	1 1/4"	2"	1 1/2"	--	1/2"	--	A/S NO. 0356.421 "LUCERNE", 20" X 18", WALL HUNG, SINGLE HOLE CHICAGO NO. 333-E2805-665PSHABCP FAUCET, CHICAGO NO. 1013-ABCP LOOSE KEY STOP WITH RIGID SUPPLY, McGUIRE NO. PW155WC DRAIN, McGUIRE NO. PWV8090NCO P-TRAP AND J.R. SMITH 0700 FLOOR MOUNTED SUPPORT WITH CONCEALED ARMS.
UR 1	URINAL	INT.	2"	1 1/2"	--	3/4"	--	A/S NO. 6590.125 "WASHBROOK FloWise 0.125" WALL HUNG, COMPLETE WITH STAINLESS STEEL STRAINER, SLOAN ROYAL MODEL NO. 186-0.125 HIGH EFFICIENCY FLUSH VALVE AND J.R. SMITH NO. 636 WALL HANGER.
UR 2	URINAL (ACCESSIBLE)	INT.	2"	1 1/2"	--	3/4"	--	A/S NO. 6590.125 "WASHBROOK FloWise 0.125" WALL HUNG, COMPLETE WITH STAINLESS STEEL STRAINER, SLOAN ROYAL MODEL NO. 186-0.125 HIGH EFFICIENCY FLUSH VALVE AND J.R. SMITH NO. 636 WALL HANGER. MOUNT WITH RIM HEIGHT AT ±17" A.F.F.
DF 1	DRINKING FOUNTAIN (ACCESSIBLE) WALL MOUNTED DUAL HEIGHT	1 1/2"	2"	1 1/2"	--	1/2"	--	HAWS NO. 1119.14, HI-LO, 14 GAUGE, TYPE 304, STAINLESS STEEL, NO. 4 SATIN FINISH, DUAL HEIGHT WALL MOUNTED, LEAD FREE, ADA COMPLIANT, COMPLETE WITH VANDAL-RESISTANT BOTTOM PLATE, NO. 6422 STRAINER, CHICAGO NO. 45-LKABCP LOOSE KEY STOPS, HAWS NO. 6700.4 MOUNTING PLATE AND MODEL 6800 SUPPORT CARRIER.
SS 1	SERVICE SINK	3"	3"	2"	3/4"	3/4"	--	A/S NO. 7892.008 "LAKEWELL" ENAMELED CAST IRON, WALL MOUNTED, COMPLETE WITH CHICAGO NO. 305-VBCP FITTING WITH INTEGRAL STOPS, PAIL HOOK, VACUUM BREAKER AND ADJUSTABLE SUPPLY ARMS, A/S NO. 8379.018 RIM GUARD, 3" DIAMETER CAST IRON P-TRAP WITH STRAINER AND FLOOR SUPPORT AND WALL HANGER.
FD 1	FLOOR DRAIN	2"	2"	2"	--	--	--	J.R. SMITH NO. 2005-A-P OR ZURN NO. ZN-415-B-P, CAST IRON, COMPLETE WITH ROUND POLISHED NICKEL-BRONZE TOP, FLASHING COLLAR.
TP 1	TRAP PRIMER	--	--	--	--	1/2"	--	MIFAB M1-500 TRAP SEAL PRIMER, WITH 1/2" TYPE "L" COPPER PIPE TO RECEPTOR, INSTALL PER MANUFACTURER'S INSTRUCTIONS, BEHIND ACCESS PANEL.
WHA 1	WATER HAMMER ARRESTOR	--	--	--	--	--	--	MIFAB WATER HAMMER ARRESTOR NO. MWH-A OR MWH-B SIZE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS BEHIND ACCESS PANEL.
HB 1	HOSE BIBB	--	--	--	--	3/4"	--	ACORN MODEL NO. 8121 HOSE BIBB WITH WALL FLANGE, BENT NOSE AND VACUUM BREAKER.

**GENERAL NOTES**

- ALL WORK SHALL BE PERFORMED AND ALL MATERIALS INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR ANY OTHERS APPLICABLE TO THIS PROJECT:  
 2010 California Green Building Standards Code, (First Printing), Includes Errata through January 1, 2011  
 2010 California Building Code Title 24, Part 2, (First Printing)  
 2010 California Fire Code, Title 24, Part 9, (First Printing)  
 2010 California Energy Code, Title 24, Part 6, (First Printing)  
 2010 California Administrative Code, Title 24, (First Printing)  
 2010 California Referenced Standards Code, Title 24, Part 12, (First Printing)  
 2010 California Electrical Code, Title 24 Part 3  
 2010 California Mechanical Code, Title 24, Part 4  
 2010 California Plumbing Code Title 24, Part 5
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, SIZE AND CHARACTERISTICS OF THE EXISTING UTILITIES AND PIPING BEFORE COMMENCEMENT OF WORK AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY PROBLEMS.
- THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO RELOCATE, REMOVE, REPLACE, REINSTALL AND RECONNECT ANY EXISTING PIPING TO ACCOMMODATE THE NEW WORK. MATERIALS SHALL BE AS SPECIFIED UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY PROJECT MANAGER.
- ALL EXISTING PIPING DAMAGED DURING EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR.
- ALL EXISTING PIPING AND EQUIPMENT THAT IS REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL PLANTED AREAS DAMAGED BY HIS OPERATIONS.
- ALL CUTTING OF EXISTING PAVINGS, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
- ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
- PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AND TESTED IN ACCORDANCE WITH UBC STANDARD 7-5 (ASTM E814).
- PIPING THROUGH FIRE RATED WALLS SHALL BE PER U.L. FIRE RESISTANCE SYSTEM NO. UL#827. SEE ARCHITECTURAL PLANS FOR ALL LOCATIONS.
- ALL UNDERGROUND IRON, COPPER OR STEEL PIPING LOCATED BOTH INSIDE AND OUTSIDE OF BUILDING SHALL BE ENCASED WITHIN A MINIMUM 10 MIL POLYETHYLENE PLASTIC SLEEVE SEALED WATER TIGHT WITH POLYVINYL CHLORIDE TAPE.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.

**LEGEND**

SYMBOL	ABBREVIATION	DESCRIPTION
---	S OR W	SOIL OR WASTE
----	V	SANITARY VENT
----	CW	COLD WATER
----	HW	HOT WATER
---	G	GAS
---	(E)W	EXISTING SOIL OR WASTE
---	(E)V	EXISTING SANITARY VENT
---	(E)CW	EXISTING COLD WATER
---	(E)HW	EXISTING HOT WATER
XG	XG	EXISTING GAS
⊕	FCO	FLOOR CLEANOUT
⊕	COYB	CLEANOUT IN YARDBOX
⊕	WCO	WALL CLEANOUT
⊕	SOV IN YB	SHUT-OFF VALVE IN YARD BOX
⊕	GV	GATE VALVE
	N.I.C.	NOT IN CONTRACT
	VTR	VENT THRU ROOF
	VA	VALVE
⊕	POC	POINT OF CONNECTION
	I.E.	INVERT ELEVATION
	CONN	CONNECTION
	AP	ACCESS PANEL
	W/	WITH
	FLR	FLOOR
	CLG	CEILING
	ABV	ABOVE
	BEL	BELOW
	DN	DOWN

**PIPING MATERIAL SCHEDULE**

SEE SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL REQUIREMENTS

SERVICE	LOCATION	MATERIAL
DOMESTIC WATER	COLD WATER	TYPE "L" COPPER TUBING W/ WROUGHT COPPER SWEAT FITTINGS
	HOT WATER	SAME AS ABOVE W/ 1" THICK MANVILLE MICRO-LOCK INSULATION
SANITARY WASTE	ABOVE FLOOR	NO-HUB CAST IRON W/ "TYLER" WIDE BODY S.S. 4-BAND COUPLINGS
	BELOW FLOOR	NO-HUB CAST IRON W/ "TYLER" WIDE BODY S.S. 4-BAND COUPLINGS
SANITARY VENT	CONCEALED	NO-HUB CAST IRON W/ "TYLER" 2-BAND S.S. COUPLINGS
	EXPOSED	NO-HUB CAST IRON W/ "TYLER" 2-BAND S.S. COUPLINGS
HOT WATER	CONCEALED	TYPE "L" COPPER TUBING W/ WROUGHT COPPER SWEAT FITTINGS WITH 1" THICK MANVILLE MICRO-LOCK INSULATION
	EXPOSED	TYPE "L" COPPER TUBING W/ WROUGHT COPPER SWEAT FITTINGS WITH 1" THICK MANVILLE MICRO-LOCK INSULATION



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 SEE TOPOGRAPHIC SURVEY MAP  
**ROBERT RYAN PARK**  
 PREPARED BY  
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 805.964.3520

**REVISIONS**

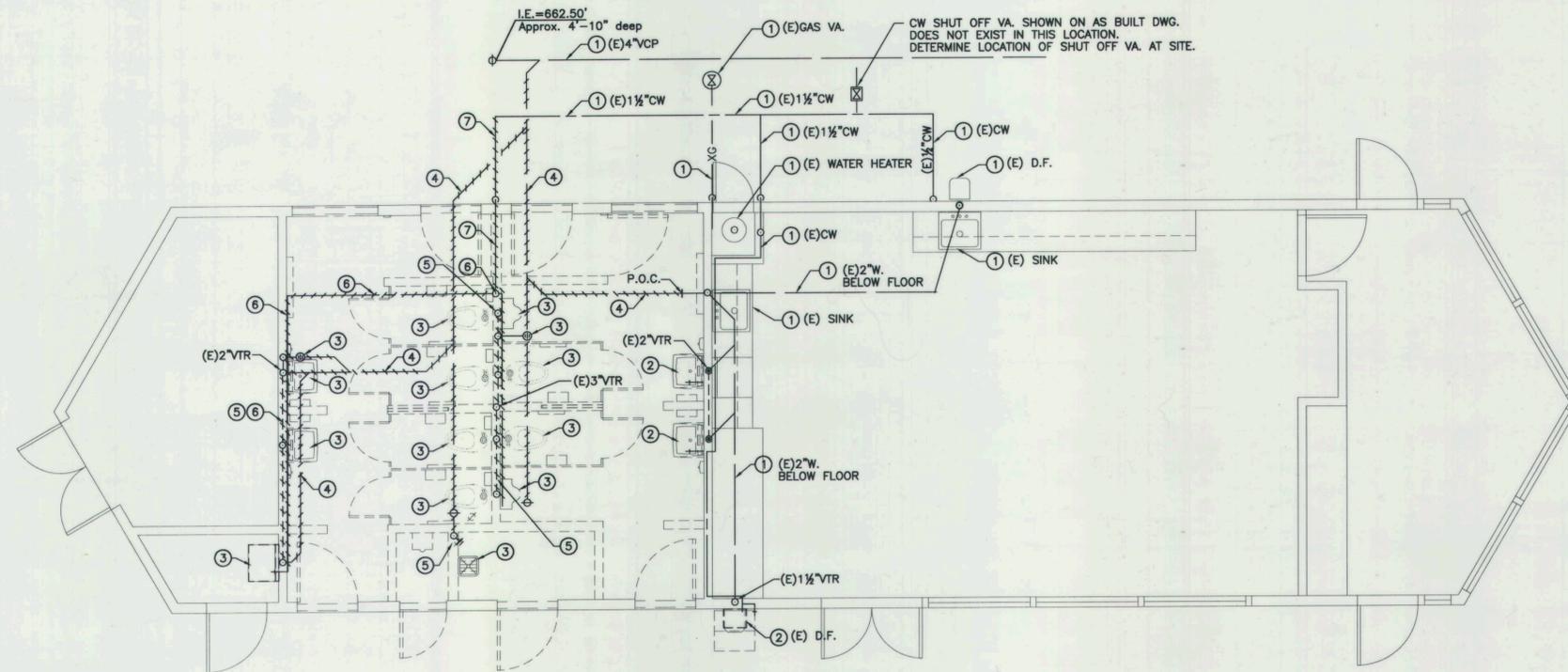
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT**  
**AND ACCESSIBILITY COMPLIANCE**  
**PLUMBING LEGEND**  
**AND SCHEDULES**

DRAWN BY : JS  
 DESIGNED BY : JS  
 CHECKED BY : SA/RC

SHT. 18 OF 20 SHTS

PLAN NO. **P-1**



**DEMOLITION NOTES:**

- 1 N.I.C. EXISTING TO REMAIN. PROTECT IN PLACE.
- 2 REMOVE EXISTING PLUMBING FIXTURE. PLUG FIXTURE DRAIN IN WALL ABOVE FLOOR. CAP WATER SUPPLY IN WALL.
- 3 REMOVE EXISTING PLUMBING FIXTURE. REMOVE WATER SUPPLIES. REMOVE WASTE DRAIN. REMOVE ALL PIPING AND HARDWARE.
- 4 REMOVE EXISTING WASTE PIPING FROM BELOW FLOOR/GRADE.
- 5 REMOVE ALL EXISTING PIPING AND HARDWARE FROM WITHIN WALL BEING DEMOLISHED.
- 6 REMOVE EXISTING CW AND VENT PIPING FROM ABOVE CEILING.
- 7 REMOVE EXISTING CW FROM BELOW FLOOR/GRADE.



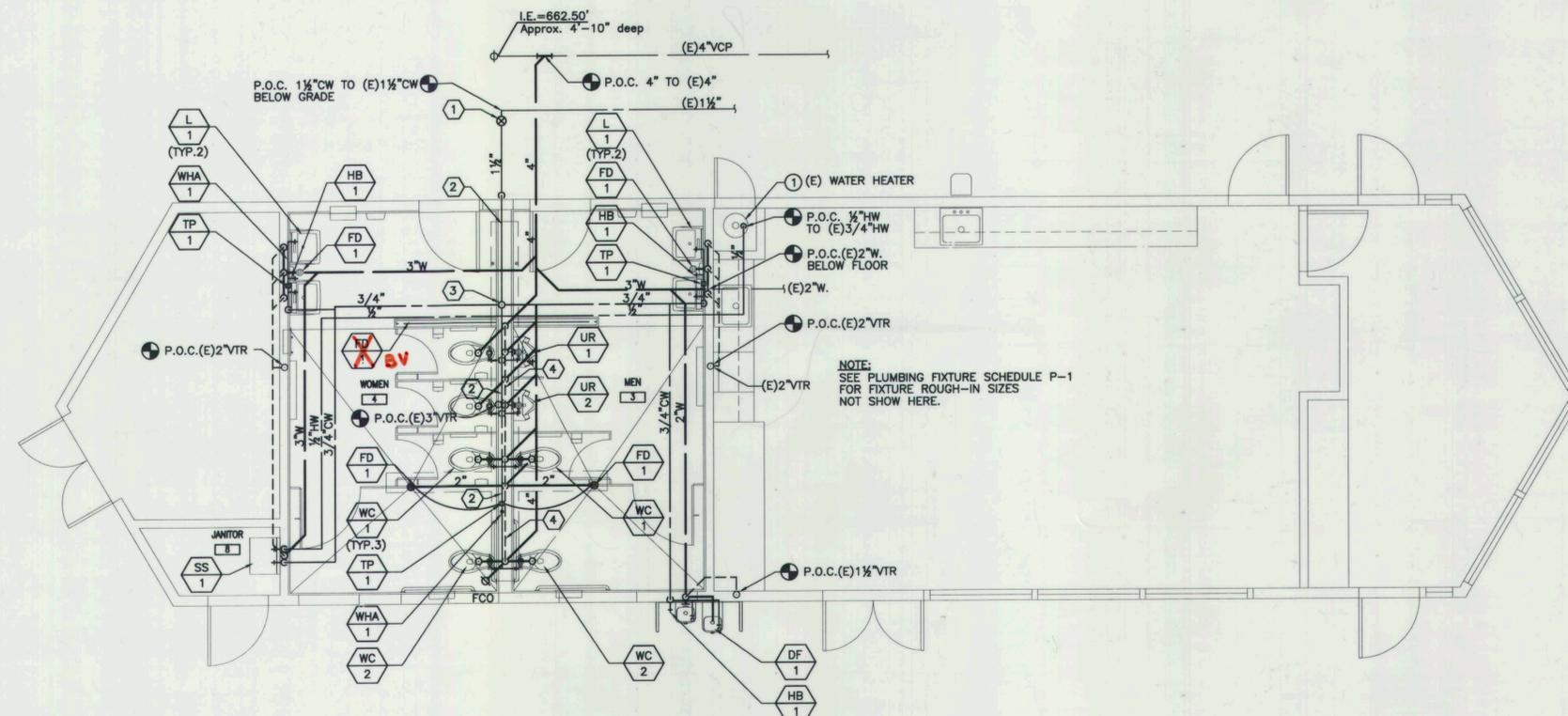
NORTH

**DEMOLITION PLUMBING PLAN**

SCALE: 1/4"=1'-0" **2**

PLUMBING FIXTURES		FIXTURE UNIT TABULATION			
FIXTURES	QTY.	DFU EACH	DFU TOTAL	WSFU EACH	WSFU TOTAL
WATER CLOSET	6	4	24	5	30
URINAL	2	2	4	4	8
LAVATORY	4	1	4	1	4
DRINKING FOUNTAIN	1	1	1	1	1
HOSE BIBBS	2	-	-	2.5	3.5
SERVICE SINK	1	3	3	3	3
FLOOR DRAIN	2	-	-	-	-
EXISTING SINK	2	2	4	2	4
EXISTING DRINK. FOUNT.	1	1	1	1	1
<b>TOTAL FIXTURE UNITS:</b>		<b>DFU</b>	<b>41</b>	<b>WSFU</b>	<b>84.5</b>

PRESSURE AVAILABLE: 55 PSI  
 PRESSURE LOSSES:  
 STATIC: 5' X .433 = 2 PSI  
 RESIDUAL: (WATER CLOSET) 25 PSI  
 TOTAL LOSSES 27 PSI  
 55-27 = 28 PSI  
 PIPE LENGTH: 50' + 30% (FTGS.) = 65'  
 28 PSI + 65' X 100 = 43 PSI @ 100'



**CONSTRUCTION NOTES:**

- 1 1 1/2" CW SHUT OFF IN CONC. VA. BOX WITH C.I. COVER LABELED "WATER"
- 2 RUN FULL SIZE 1 1/2" CW HEADER IN WALL TO SUPPLY FIXTURES.
- 3 1 1/2" CW UP IN WALL TO ABOVE CEILING.
- 4 2" VENT RUN HORIZONTAL ABOVE FIXTURES CONNECT TO EXISTING 3" VTR.



NORTH

**CONSTRUCTION PLUMBING PLAN**

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



**inc.**  
**ALEXANDER + HIBBS, AIA, INC.**  
 Architecture and Planning

1200 N. JEFFERSON ST. SUITE A  
 ANAHEIM, CALIFORNIA 92807  
 (714) 630-3686



**IDS**  
**IDS GROUP, INC.**  
 INTEGRATED DESIGN SERVICES  
 ENGINEERS AND ARCHITECTS  
 1 PETERS CANYON ROAD, SUITE 130  
 IRVINE, CA. 92606  
 TEL: 949-387-8500, FAX: 949-387-0800

BENCH MARK:  
 NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
 DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_  
 SEE TOPOGRAPHIC SURVEY MAP  
**ROBERT RYAN PARK**  
 PREPARED BY  
 MCGEE SURVEYING CONSULTING  
 805.964.3520

REVISIONS		
NO.	DESCRIPTION	APP. DATE

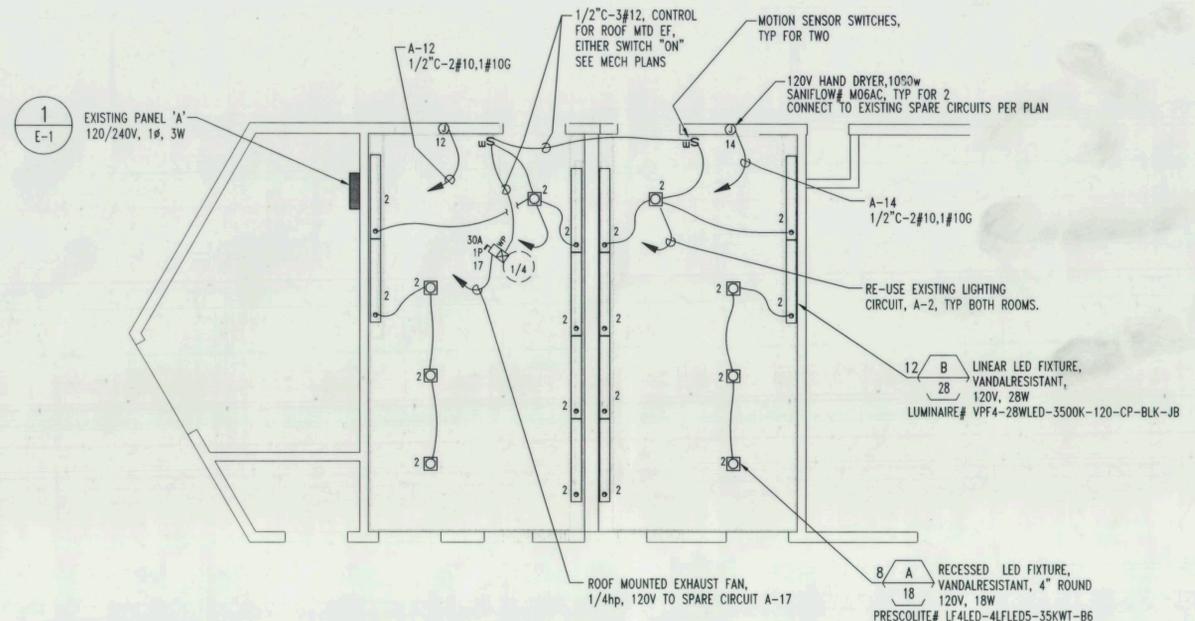
**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT**  
**AND ACCESSIBILITY COMPLIANCE**  
**EXISTING DEMO AND NEW**  
**PLUMBING FLOOR PLAN**

DRAWN BY : JS	SHT. 19 OF 20 SHTS	PLAN NO. <b>P-2</b>
DESIGNED BY : JS		
CHECKED BY : SA/RC		

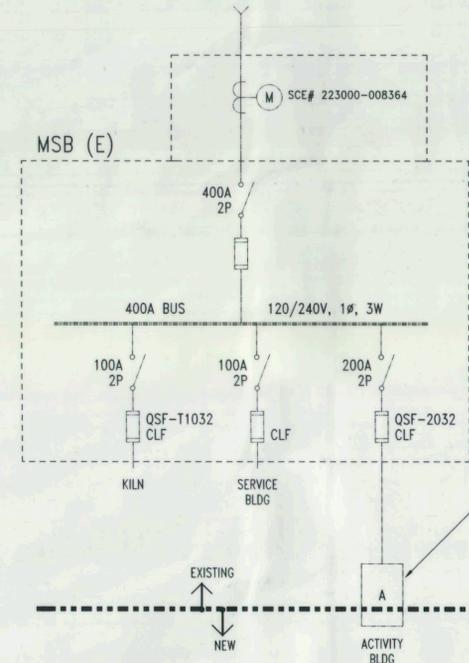
SITE ELECTRICAL NOTES

- ALL POLES SHALL HAVE RIGID PVC WRAPPED GALVANIZED CONDUIT SWEEPS IN BASES TO 30" BELOW GRADE. POLES TO BE TRUE AND PLUMB AND BONDED TO GROUND WIRE.
  - OBTAIN ROUTE FOR VEHICLE TRAFFIC AT SITE FROM OWNER. REPAIR ANY DAMAGE TO TURF, TREES, SHRUBS, HARDSCAPE, OR EQUIPMENT.
  - ALL UNDERGROUND PVC CONDUIT SHALL HAVE 3" CONCRETE COVER AND BE 30" BELOW GRADE OR ROUTE UNDER WALKS.
  - CONTRACTOR SHALL VISIT JOB SITE, VERIFY EXISTING CONDITIONS, AND INCLUDE IN BID ALL WORK REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
  - ALL SPLICES IN HANDHOLES AND PULLBOXES TO BE WATERPROOF. ALL CONDUCTORS TO BE COPPER, THW OR THHN.
  - ALL EXPOSED HARDWARE (FASTENERS) TO BE TAMPERPROOF INCLUDING PULLBOX AND HANDHOLE FASTENERS.
  - COORDINATE ELECTRICAL WORK WITH REQUIREMENTS OF OTHER TRADES.
  - COORDINATE ELECTRICAL AND TELEPHONE UTILITY SERVICE CONNECTIONS AND INCLUDE IN BID ALL COSTS INVOLVED, INCLUDING MATERIAL, LABOR, SERVICE FEES AND PERMITS.
  - PROVIDE GROUNDING WHERE INDICATED OR REQUIRED BY CODE.
  - INSTALL SERVICES AND METERS PER UTILITY COMPANY REQUIREMENTS.
  - ALL LABOR AND MATERIALS SHALL MEET FULLY WITH ALL REQUIREMENTS OF ELECTRICAL CODES HAVING AUTHORITY.
  - IF NON-METALLIC CONDUIT IS USED, PROVIDE GROUND WIRE.
  - ALL EQUIPMENT SHALL BE LEFT CLEAN. PREMESIS SHALL BE CLEANED OF DIRT AND DEBRIS.
  - CONTRACTOR SHALL FURNISH FOR APPROVAL, SHOP DRAWINGS OF SERVICE EQUIPMENT, MOTOR STARTERS, LIGHTING FIXTURES, AND CONTROL DEVICES PRIOR TO PURCHASE.
  - OBTAIN MAXIMUM AVAILABLE FAULT CURRENT FROM THE POWER COMPANY PRIOR TO BID, CIRCUIT PROTECTIVE DEVICES SHALL HAVE INTERRUPTING RATING TO PROTECT THE ELECTRICAL SYSTEM AGAINST THE MAXIMUM AVAILABLE FAULT CURRENT.
  - FURNISH AND PAY FOR ALL PERMITS AND BUILDING DEPARTMENT PERMIT CHARGES, INCLUDING ELECTRICAL UTILITY CHARGES, IF THE LOCAL UTILITY CO. CHARGES ARE NOT AVAILABLE AT THE TIME OF BID, INCLUDE AN AMOUNT EQUAL TO 10% OF YOUR TOTAL ELECTRICAL BID AMOUNT.
  - POLE AND MAST ARMS SHALL BE DESIGNED TO SUPPORT THE NUMBER OF LUMINAIRES CALLED FOR ON EACH POLE. WIND LOADING AND POLE DESIGN SHALL CONFORM TO THE LATEST EDITION OF THE U.B.C. MANUFACTURER SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, ALL CALCULATIONS TO BE SIGNED BY CALIFORNIA REGISTERED PROFESSIONAL ENGINEER.
- EXCAVATION AND BACKFILLING:**
- ALL TRENCHES SHALL BE BACKFILLED, WITH ALL EXCAVATED EARTH PUDDLED OR WELL TAMPED INTO PLACE. LARGE STONES AND INORGANIC MATERIAL SHALL NOT BE RETURNED TO THE TRENCHES. ALL EXCESS EARTH FROM THE EXCAVATIONS NOT REQUIRED FOR BACKFILLING, FILL, OR GRADING, SHALL BE REMOVED FROM THE SITE AS DIRECTED.
- CUTTING AND PATCHING:**
- THE CONTRACTOR SHALL ORGANIZE AND LAYOUT HIS WORK SO THE WORK CAN BE INSTALLED IN THE INSPECTABLE SEGMENTS AS THE WORK PROCEEDS. IF REQUIRED, TO PROPERLY INSTALL ANY WORK, CUTTING OF THE STRUCTURE SHALL BE KEPT TO A MINIMUM SIZE NEEDED TO INSTALL THE WORK. OBTAIN PERMISSION FROM THE STRUCTURAL ENGINEER BEFORE CUTTING OR BORING ANY STRUCTURAL FRAMING MEMBER.
  - PATCHING OF ANY HOLE OR CUT SHALL BE MADE IN SUCH A MANNER THAT THE ORIGINAL CONDITIONS ARE SUBSTANTIALLY RESTORED TO THE SATISFACTION OF THE ARCHITECT OR ENGINEER.
  - BORE UNDER ALL CONCRETE OR ASPHALT WALKS. SAW CUT AND REPAIR ALL CONCRETE OR ASPHALT AREAS TO NEW CONDITION.
  - PROVIDE CONDUIT SEALS WITH DRAIN PLUG (EYSD) IN ALL CONDUITS ENTERING VAULTS TO PREVENT GROUND WATER OR WATER PONDS OR ANY WATER CONTAINMENT AREA FROM DRAINING WATER INTO ELECTRICAL EQUIPMENT IN BELOW GRADE VAULTS (NEC 230-8).
  - ALL EXTERIOR LIGHTING CIRCUITS SHALL BE PROVIDED WITH A PHOTOCELL AND 7-DAY 24 HOUR DIGITAL TIMELOCK LOCATED NEAR PANEL, WHETHER INDICATED ON PLANS OR NOT. CONTROL PANEL SHALL BE EQUIPPED WITH NUMBER OF TIME SWITCHES REQUIRED. CONTROL PANEL SHALL HAVE SPACE FOR TWO ADDITIONAL TIME SWITCHES. TIME SWITCHES SHALL HAVE SILVER CONTACTS 30 AMP MINIMUM RATING. FURNISH EQUAL NUMBER OF CONTACTS AS CIRCUITS CONTROLLED PLUS ONE SPARE POLE, TORK, INTERMATIC, AMF OR EQUAL.

SUBMITTED \_\_\_\_\_ DATE \_\_\_\_\_ APPROVED \_\_\_\_\_ CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_



**ELECTRICAL POWER AND LIGHTING PLAN**  
SCALE: 1/4"=1'-0"

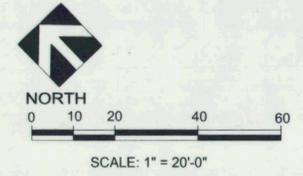


**MSB LOAD CALC:**  
PRESENT LOAD = 130A  
ADDED LOAD = 13A  
NEW TOTAL LOAD = 143A

**SINGLE LINE DIAGRAM**



**M & A MULLEN & ASSOCIATES INCORPORATED**  
ELECTRICAL ENGINEERS  
Project Number 2012005  
1800 N. Jefferson St., Unit D Anaheim, Cal. 92807 (714)632-6620



PLANS PREPARED BY:  
**WILLDAN** Landscape architecture  
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INDUSTRY, CA 91746-3497  
(626) 908-4200

UNDER THE SUPERVISION OF:  
ELROY L. KIEPKE RCE 22382 DATE 05/04/12

BENCH MARK:  
NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_

SEE TOPOGRAPHIC SURVEY MAP  
**ROBERT RYAN PARK**  
PREPARED BY  
MCGEE SURVEYING CONSULTING  
805.964.3520

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT AND ACCESSIBILITY COMPLIANCE**  
**ELECTRICAL BUILDING PLAN**

DRAWN BY : CLD  
DESIGNED BY : LDM  
CHECKED BY : LDM

SHT. 20 OF 20 SHTS  
PLAN NO. E-1