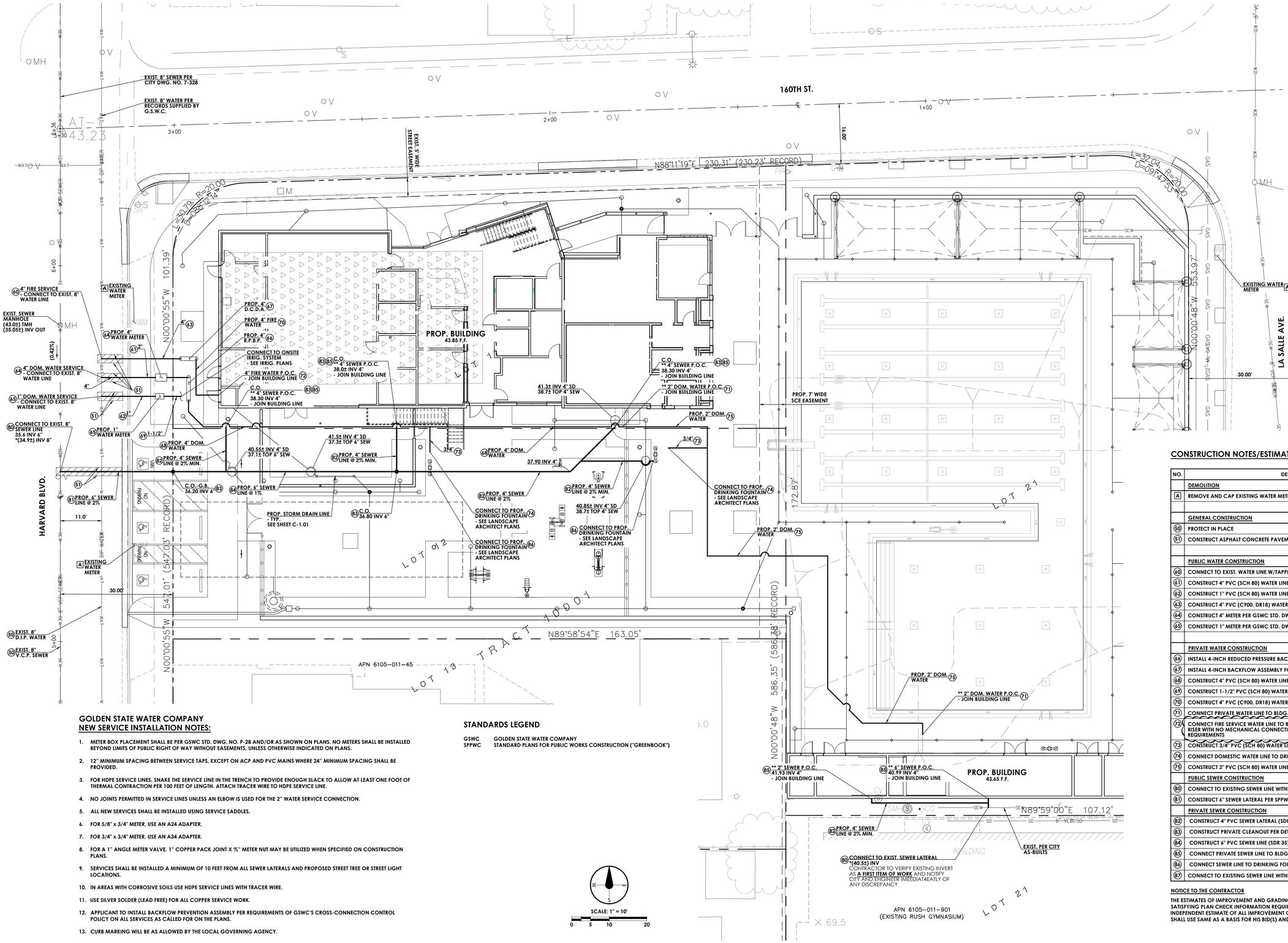


*** NOTE TO CONTRACTOR:**

CONTRACTOR TO VERIFY ELEVATION PRIOR TO CONSTRUCTION AND NOTIFY CITY AND CIVIL ENGINEER IMMEDIATELY OF ANY DISCREPANCY.

**** NOTE TO CONTRACTOR:**

VERIFY EXACT SIZE, LOCATION AND INVERT OF BUILDING SEWER P.O.C. AND SIZE AND LOCATION OF BUILDING WATER P.O.C. WITH PLUMBING DRAWINGS PRIOR TO CONSTRUCTION AND COORDINATE INSTALLATION.

NOTE TO CONTRACTOR:

LOCATE ALL EXISTING UTILITIES AS A FIRST ITEM OF WORK AND PROTECT THEM IN PLACE AS REQUIRED.

EXISTING UNDERGROUND STRUCTURES

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND PIPES OR CONDUITS SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE THE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. LOCATE ALL UTILITIES BEFORE CONSTRUCTION.

ENGINEER OF RECORD STATEMENT

ALL EASEMENTS HAVE BEEN SHOWN AS PER PROVIDED PRELIMINARY TITLE REPORTS BY FIDELITY NATIONAL TITLE CO. (ORDER NO. 987-30076643-18V, DATED OCT. 28, 2021), LAWYERS TITLE (FILE NO. 218254769, DATED SEPT. 7, 2018), AND FIDELITY NATIONAL TITLE CO. (ORDER NO. 989-30033538-D-DL1, DATED FEB. 9, 2021).

THOMAS E. CARCELLI, P.E. — DATE

UTILITY CONTACT NUMBERS:

COMPANY	CONTACT	TELEPHONE NO.
CITY OF GARDENA P.W. TRAFFIC/ELECTRICAL	JEFF JALOMO	310-217-9430
GOLDEN STATE WATER CO.	JOSEPH SALICIDO CONDE VENTURA	310-660-0320 X101 310-701-2500
CALIFORNIA UNDERGROUND SERVICE ALERT (USA)		800-422-4133

CONSTRUCTION NOTES/ESTIMATE OF QUANTITIES

NO.	DESCRIPTION	QUANTITY
	DEMOLITION	
A	REMOVE AND CAP EXISTING WATER METER AND SERVICE PER GSWC STANDARDS	3 EA
	GENERAL CONSTRUCTION	
50	PROTECT IN PLACE	-
51	CONSTRUCT ASPHALT CONCRETE PAVEMENT REPLACEMENT PER SPPWC STD. PLAN 133-3	40 LF
	PUBLIC WATER CONSTRUCTION	
60	CONNECT TO EXIST. WATER LINE W/TAPPING SLEEVE & VALVE PER GSWC STD. DWG. NO. P-23	1 EA
61	CONSTRUCT 4" PVC (SCH 80) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	15 LF
62	CONSTRUCT 1" PVC (SCH 80) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	15 LF
63	CONSTRUCT 4" PVC (C900, DR18) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	20 LF
64	CONSTRUCT 4" METER PER GSWC STD. DWG. NO. P-30	1 EA
65	CONSTRUCT 1" METER PER GSWC STD. DWG. NO. P-26	1 EA
	PRIVATE WATER CONSTRUCTION	
66	INSTALL 4-INCH REDUCED PRESSURE BACKFLOW PREVENTOR PER GSWC STD. DWG. NO. P-35A	1 EA
67	INSTALL 4-INCH BACKFLOW ASSEMBLY FOR FIRE SERVICES PER GSWC STD. DWG. NO. P-35B	1 EA
68	CONSTRUCT 4" PVC (SCH 80) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	135 LF
69	CONSTRUCT 1-1/2" PVC (SCH 80) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	5 LF
70	CONSTRUCT 4" PVC (C900, DR18) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	20 LF
71	CONNECT PRIVATE WATER LINE TO BLDG. WATER LINE - SEE BUILDING PLUMBING PLANS	2 EA
72	CONNECT FIRE SERVICE WATER LINE TO BLDG. - SEE FIRE SPRINKLER PLANS - INSTALL STAINLESS STEEL FIRE RISER WITH NO MECHANICAL CONNECTIONS UNDERNEATH THE WALL OR FOUNDATION PER LACFD REQUIREMENTS (2)	1 EA
73	CONSTRUCT 3/4" PVC (SCH 80) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	20 LF
74	CONNECT DOMESTIC WATER LINE TO DRINKING FOUNTAIN PER MANUFACTURES SPECIFICATIONS	2 EA
75	CONSTRUCT 2" PVC (SCH 80) WATER LINE, BEDDING PER GSWC STD. DWG. NO. P-3	155 LF
	PUBLIC SEWER CONSTRUCTION	
80	CONNECT TO EXISTING SEWER LINE WITH CUT-IN SADDLE	1 EA
81	CONSTRUCT 6" SEWER LATERAL PER SPPWC STD. PLAN 222-2, TYPE A, BEDDING PER DETAIL 6, SHEET C-0.02	30 LF
	PRIVATE SEWER CONSTRUCTION	
82	CONSTRUCT 4" PVC SEWER LATERAL (SDR 35), BEDDING PER DETAIL 6, SHEET C-0.02	140 LF
83	CONSTRUCT PRIVATE CLEANOUT PER DETAIL 8, SHEET C-0.02	5 EA
84	CONSTRUCT 6" PVC SEWER LINE (SDR 35), BEDDING PER DETAIL 6, SHEET C-0.02	60 LF
85	CONNECT PRIVATE SEWER LINE TO BLDG. SEWER LINE - SEE BUILDING PLUMBING PLANS	5 EA
86	CONNECT SEWER LINE TO DRINKING FOUNTAIN PER MANUFACTURES SPECIFICATIONS	2 EA
87	CONNECT TO EXISTING SEWER LINE WITH CUT-IN SADDLE	1 EA

NOTICE TO THE CONTRACTOR

THE ESTIMATES OF IMPROVEMENT AND GRADING QUANTITIES AS SHOWN HEREON ARE PROVIDED FOR SATISFYING PLAN CHECK INFORMATION REQUIREMENTS ONLY. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT ESTIMATE OF ALL IMPROVEMENT QUANTITIES INCLUDING GRADING QUANTITIES, AND SHALL USE SAME AS A BASIS FOR HIS BID(S) AND CONTRACT(S).

DIRECTOR'S SIGNATURE ON TITLEBLOCK CONSTITUTES SIGNATURE FOR ALL SHEETS IN THE PLAN SET.

GOLDEN STATE WATER COMPANY NEW SERVICE INSTALLATION NOTES:

1. METER BOX PLACEMENT SHALL BE PER GSWC STD. DWG. NO. P-28 AND/OR AS SHOWN ON PLANS. NO METERS SHALL BE INSTALLED BEYOND LIMITS OF PUBLIC RIGHT OF WAY WITHOUT EASEMENTS, UNLESS OTHERWISE INDICATED ON PLANS.
2. 12" MINIMUM SPACING BETWEEN SERVICE TAPS, EXCEPT ON ACP AND PVC MAINS WHERE 24" MINIMUM SPACING SHALL BE PROVIDED.
3. FOR HDPE SERVICE LINES, SNAKE THE SERVICE LINE IN THE TRENCH TO PROVIDE ENOUGH SLACK TO ALLOW AT LEAST ONE FOOT OF THERMAL CONTRACTION PER 100 FEET OF LENGTH. ATTACH TRACER WIRE TO HDPE SERVICE LINE.
4. NO JOINTS PERMITTED IN SERVICE LINES UNLESS AN ELBOW IS USED FOR THE 2" WATER SERVICE CONNECTION.
5. ALL NEW SERVICES SHALL BE INSTALLED USING SERVICE SADDLES.
6. FOR 5/8" x 3/4" METER, USE AN A24 ADAPTER.
7. FOR 3/4" x 3/4" METER, USE AN A34 ADAPTER.
8. FOR A 1" ANGLE METER VALVE, 1" COPPER PACK JOINT X ¾" METER NUT MAY BE UTILIZED WHEN SPECIFIED ON CONSTRUCTION PLANS.
9. SERVICES SHALL BE INSTALLED A MINIMUM OF 10 FEET FROM ALL SEWER LATERALS AND PROPOSED STREET TREE OR STREET LIGHT LOCATIONS.
10. IN AREAS WITH CORROSIVE SOILS USE HDPE SERVICE LINES WITH TRACER WIRE.
11. USE SILVER SOLDER (LEAD FREE) FOR ALL COPPER SERVICE WORK.
12. APPLICANT TO INSTALL BACKFLOW PREVENTION ASSEMBLY PER REQUIREMENTS OF GSWC'S CROSS-CONNECTION CONTROL POLICY ON ALL SERVICES AS CALLED FOR ON THE PLANS.
13. CURB MARKING WILL BE AS ALLOWED BY THE LOCAL GOVERNING AGENCY.

STANDARDS LEGEND

GSWC GOLDEN STATE WATER COMPANY
SPPWC STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK")

DIGALERT
DIAL TOLL FREE 1-800-422-4133
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF 162 ND STREET (FORMERLY MARKET STREET) BEING N 89° 55' 30" E SHOWN ON TRACT NO. 10901, M.B. 254/31-32

BENCHMARK:

THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508

CONSULTANT:
CIVTEC
999 CORPORATE DR.
SUITE 100
LADERA RANCH, CA 92694
p: 949.463.8822
e: tec@civtec.net

REGISTERED PROFESSIONAL ENGINEER — THOMAS E. CARCELLI — C-81640 Exp. 09-30-23 — CIVIL — STATE OF CALIFORNIA
8/15/2023

PREPARED UNDER THE SUPERVISION OF:
RJM DESIGN GROUP
31591 Camino Capistrano
San Juan Capistrano, CA 92675
www.RJMdesigngroup.com
[949] 493-2690 fax
[949] 493-2600 phone

REGISTERED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

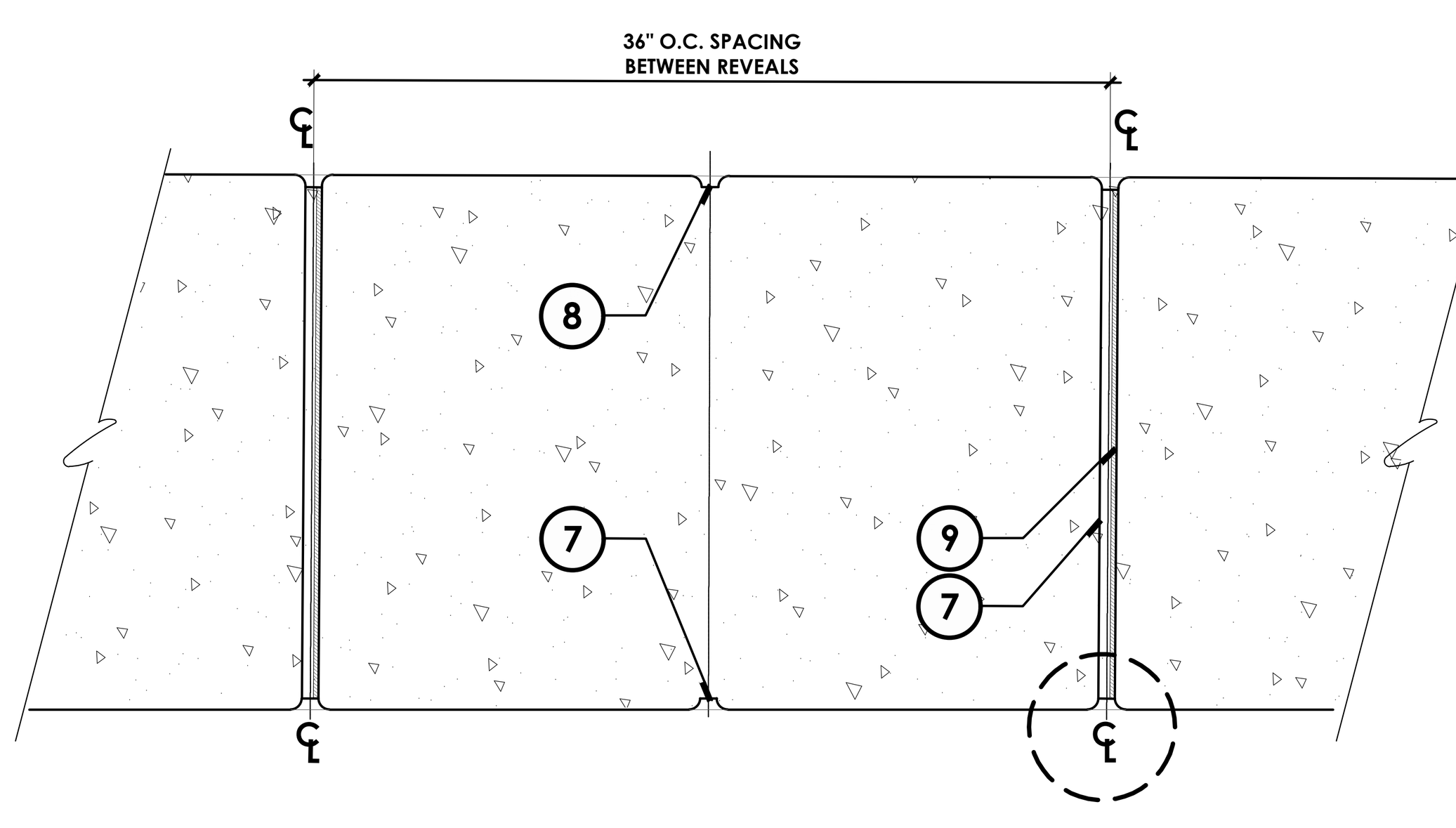
B.M.: THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508'

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

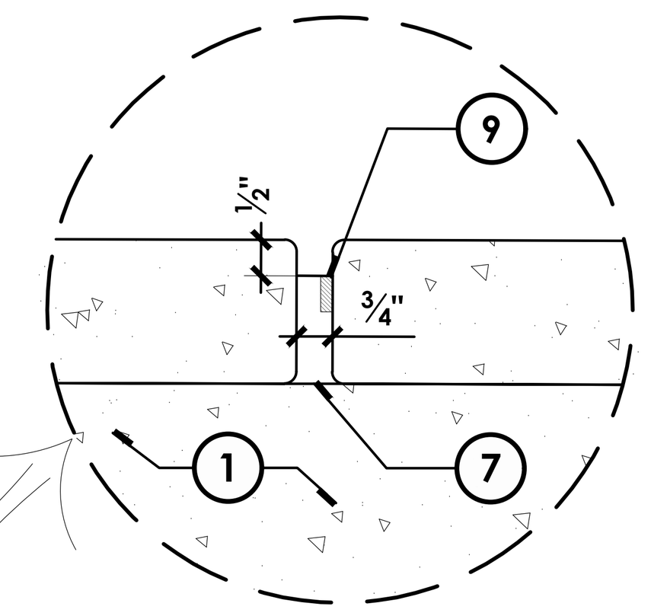
WATER / SEWER PLAN
COMMUNITY AQUATICS & SENIOR CENTER
C-2.01

	INITAL	DATE
DESIGNED BY	TEC	
DRAWN BY	STAFF	
CHECKED BY	TEC	

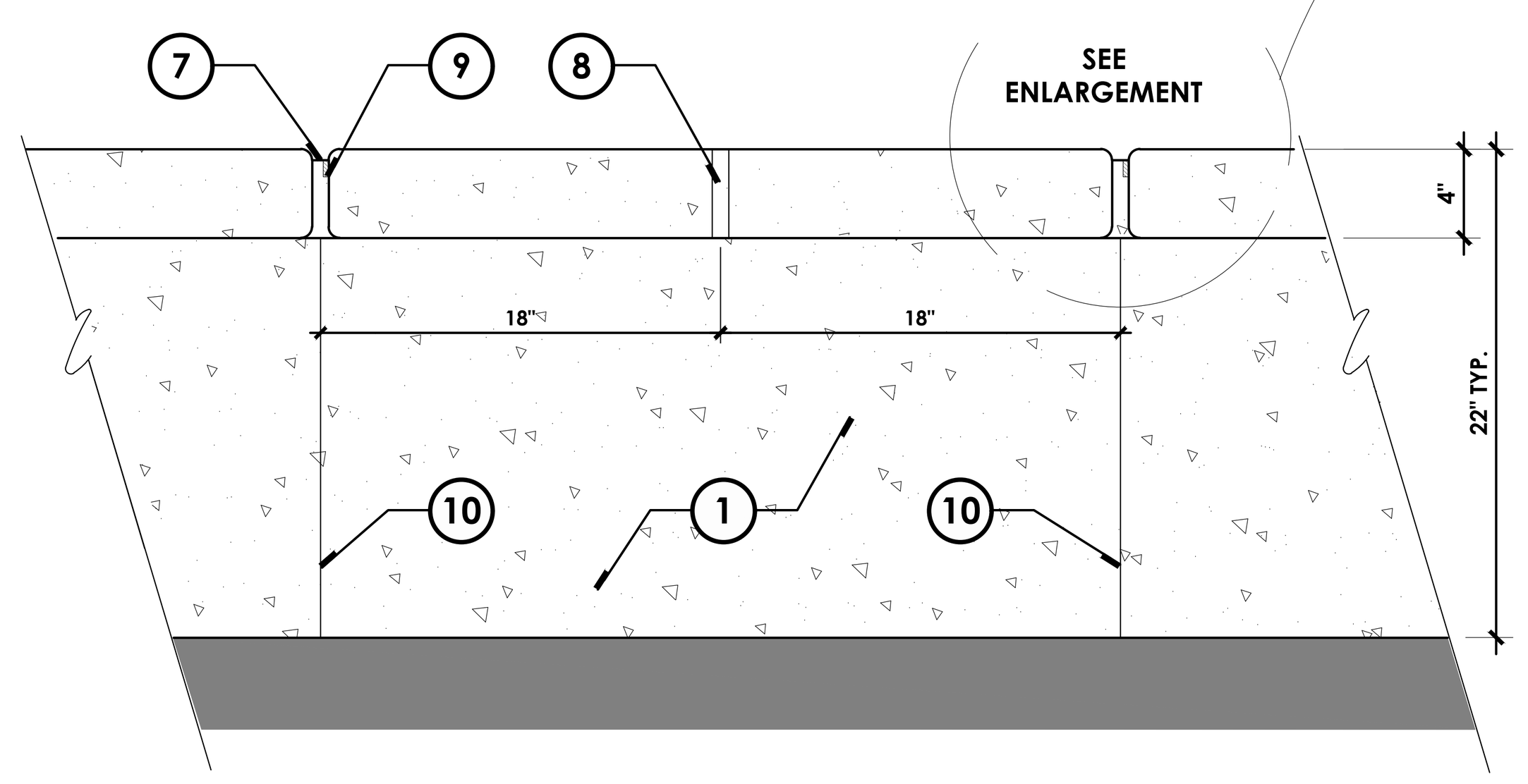
APPROVED BY: for DIRECTOR OF PUBLIC WORKS
DATE 8/17/2023
SHT. 11 OF 176
DWG. NO. 5-2606
PLOT DATE: 8/15/2023



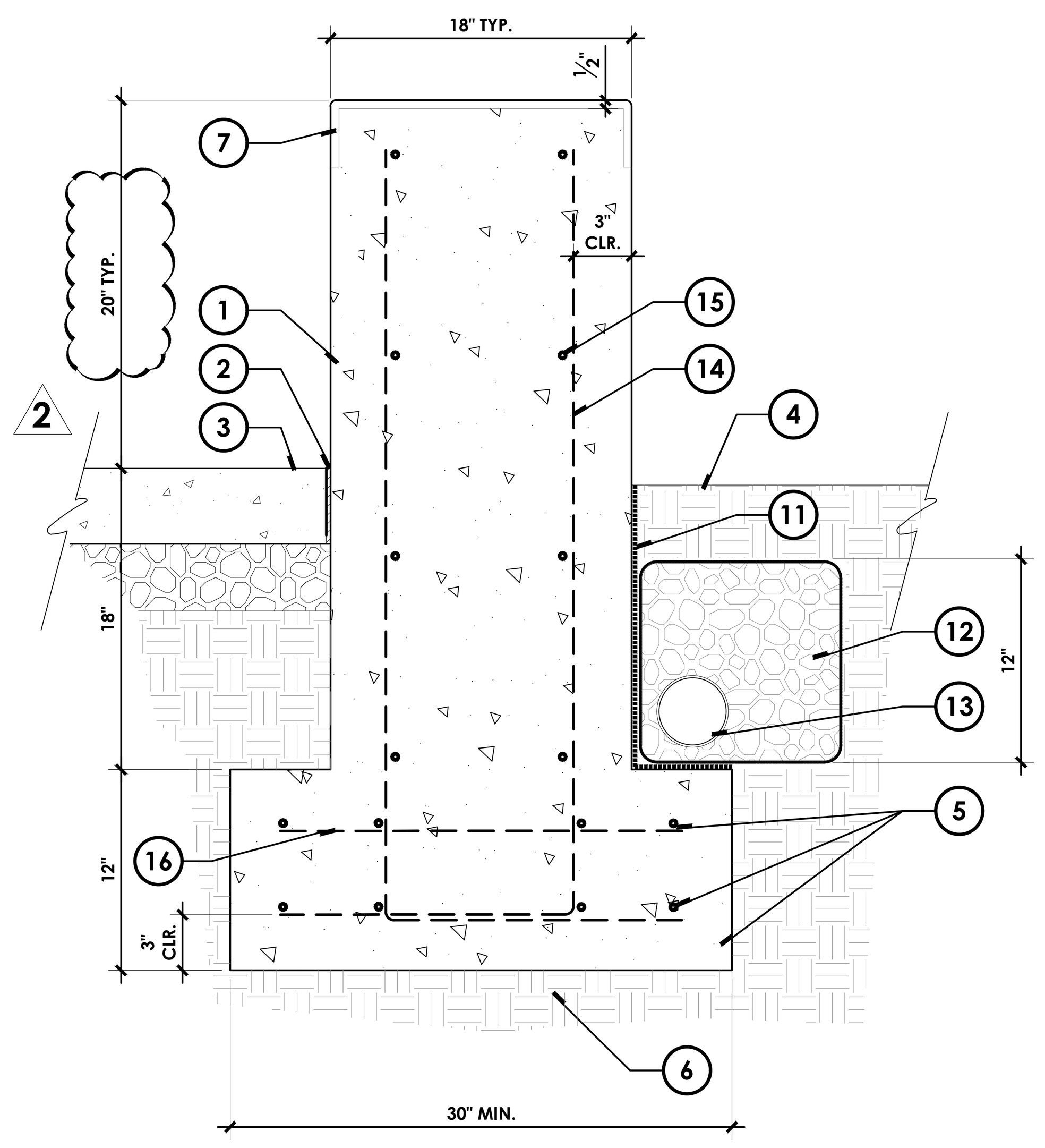
PLAN - WALL NOTCHED SKATE STOPS AND REVEALS
SCALE: 1-1/2" = 1'-0"



ENLARGEMENT AT REVEAL
SCALE: 1-1/2" = 1'-0"



ELEVATION - WALL NOTCHED SKATE STOPS AND REVEALS
SCALE: 1-1/2" = 1'-0"



SECTION - P.I.P. CONCRETE LOW WALL (FREE STANDING)
SCALE: 1-1/2" = 1'-0"

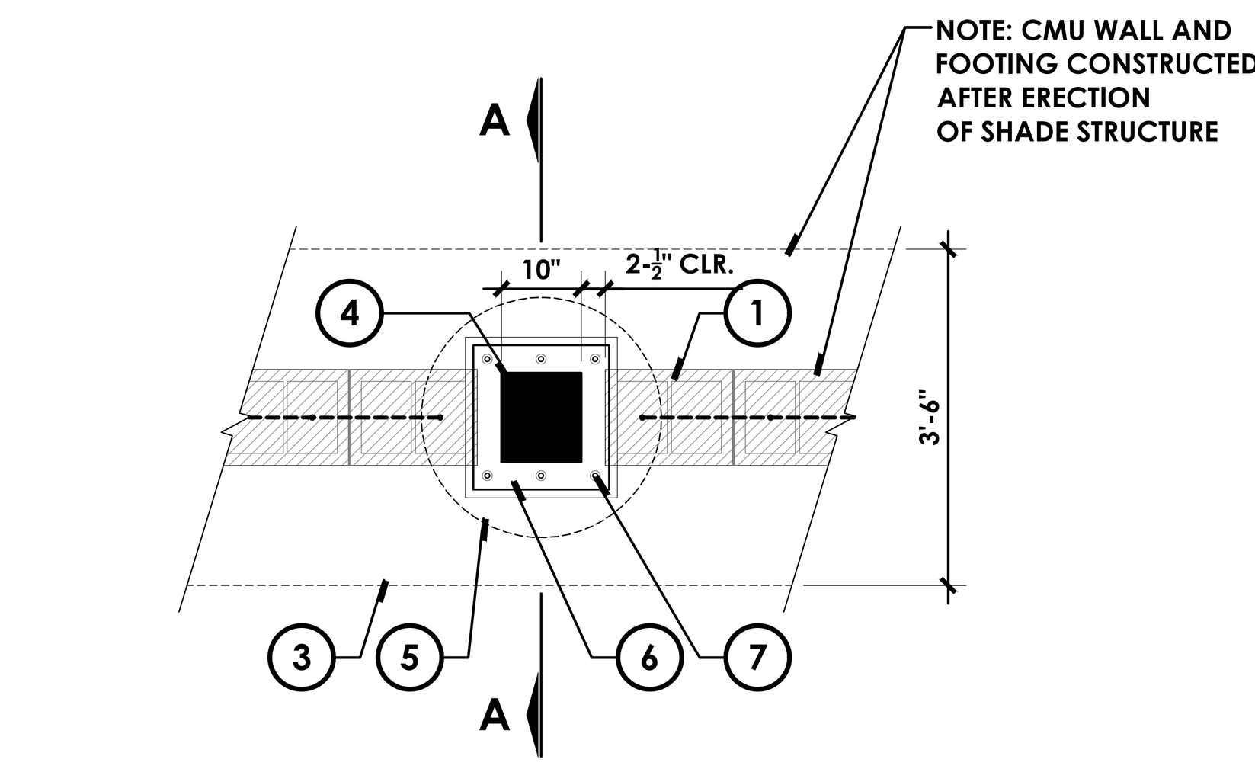
LEGEND:

1. POURED-IN-PLACE CONCRETE WALL AND CAP WITH 'TOP CAST' ETCH CODE NO. 05 FINISH, OR APPROVED EQUAL, ALL SIDES. ALL CAP CORNERS AND EDGES TO RECEIVE A ½" TOOLED RADIUS. SLOPE TOP OF WALL 1% MINIMUM TOWARDS PLANTER OR DIRECTION OF PAVING SURFACE FLOW.
2. CONTINUOUS EXPANSION JOINT. SEE DETAIL 3, SHEET L-2.01.
3. ADJACENT CONCRETE PAVING. SEE DETAIL 1, SHEET L-2.01 AND LANDSCAPE CONSTRUCTION PLAN, SHEET L-1.01 FOR LOCATIONS.
4. FINISH GRADE. SEE CIVIL PLANS.
5. POURED-IN-PLACE CONCRETE FOOTING WITH (4) #5 CONTINUOUS REBAR, TOP AND BOTTOM, PER STRUCTURAL ENGINEER AS SHOWN THIS DETAIL.
6. 90% MINIMUM COMPACTED, MOISTURE-CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT. SEE SPECIFICATIONS.
7. 3/4" WIDE X 1/2" DEEP CONCRETE REVEAL, CONTINUOUS ACROSS FACE AND SIDES OF CONCRETE CAP. SPACED AS SHOWN ON ENLARGEMENT.
8. 3/4" WIDE x 1/2" DEEP SKATE STOPPER NOTCH. CENTERED BETWEEN REVEAL JOINTS, BOTH SIDES OF CONCRETE CAP.
9. SINGLE BLADE SAWCUT CONTROL JOINT AT REVEAL JOINTS, 1/3 DEPTH OF CONCRETE CAP.
10. SAWCUT CONTROL JOINT DOWN FACE OF WALL, BOTH SIDES PER CIVIL ENGINEERS DETAILS.
11. PROVIDE CONTINUOUS MIRADRI 860 WATERPROOF MEMBRANE AND MIRADRAIN 6200 DRAINAGE COMPOSITE BY MIRAFI INC., OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS. CONTACT: JAMES HEIDT AND ASSOCIATES (818)248-9677.
12. PROVIDE CONTINUOUS 12" SQ. 3/4" CRUSHED AGGREGATE. PROVIDE CONTINUOUS FILTER FABRIC WRAP.
13. CONTINUOUS PVC DRAINLINE - SEE CIVIL PLANS.
14. #4 REBAR AT 16" VERTICAL, EACH FACE.
15. #4 REBAR AT 10" HORIZONTAL, EACH FACE.
16. #4 REBAR AT 24" O.C.

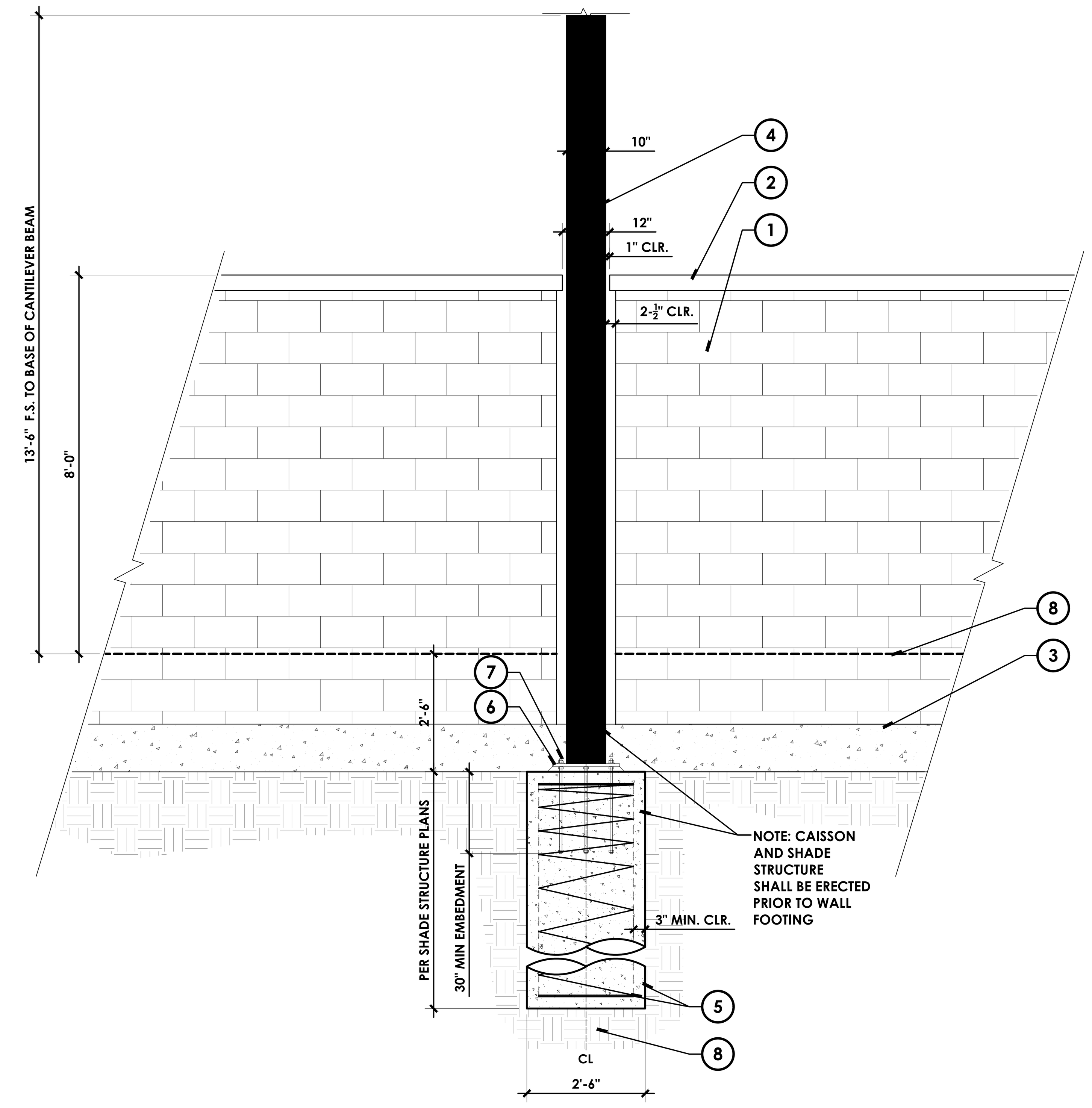
NOTES:

A. CONTRACTOR TO PROVIDE COLOR / FINISH SAMPLE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
B. CONTRACTOR SHALL PROVIDE 6' X 6' MOCK OF WALL AND CAP WITH SKATEBOARD NOTCHES AND DEEP TOOL SCORE JOINTS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
C. CONTRACTOR SHALL PROVIDE DEEP TROWEL SCORE JOINTS ACROSS FACE AND TOP OF WALL WHERE SHOWN ON PLANS AND AT ALL CORNER CONDITIONS, TYPICAL.
D. SEE GEOTECHNICAL REPORT (PAVEMENT RECOMMENDATIONS) FOR CONCRETE TYPE AND STRENGTH.

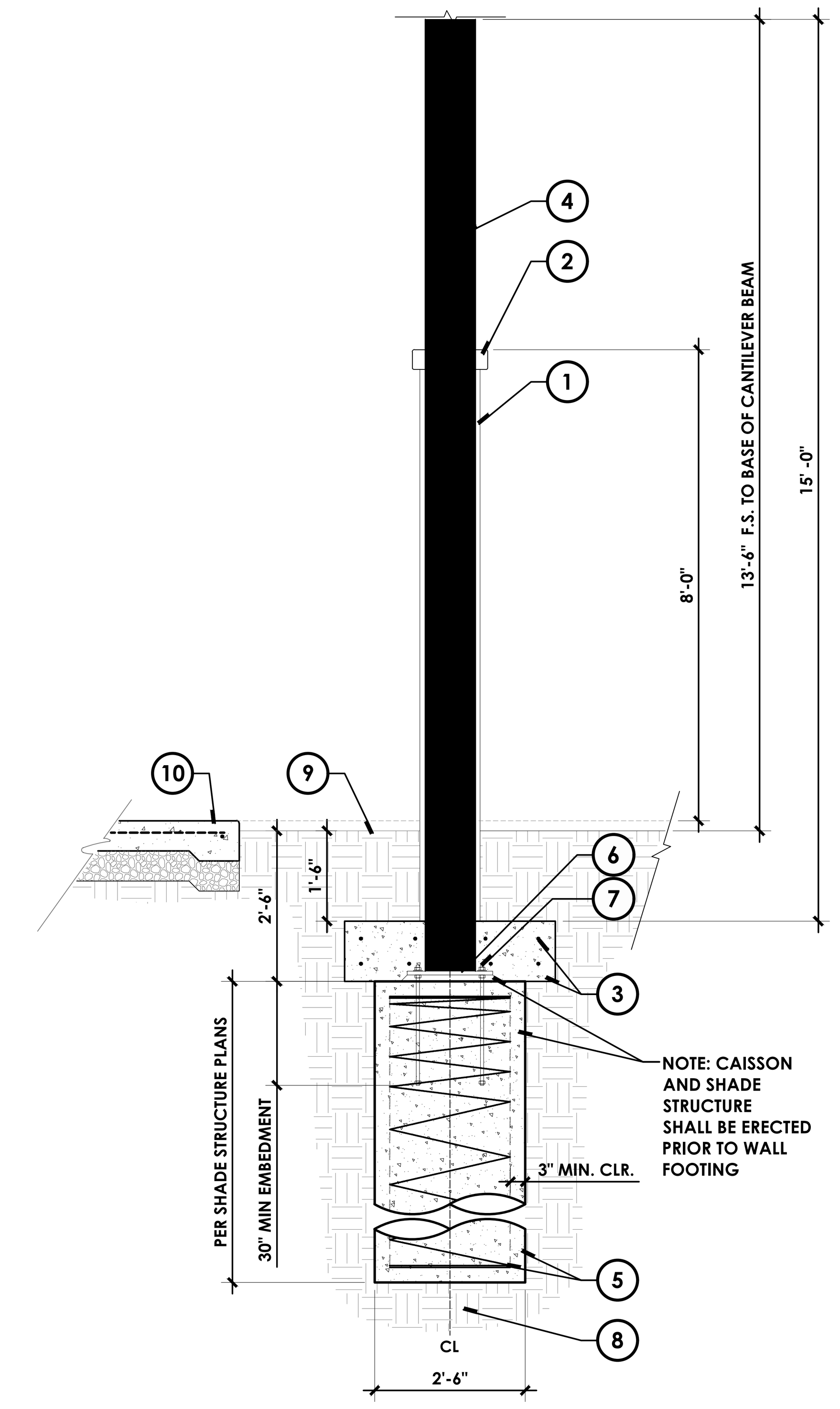
2 POURED-IN-PLACE CONCRETE PLANTER LOW WALL



PLAN - SHADE STRUCTURE POST AND FOOTING
SCALE: 1/2" = 1'-0"



FRONT ELEVATION - SHADE STRUCTURE POST AND FOOTING
SCALE: 1/2" = 1'-0"



SECTION 'A-A' - SHADE STRUCTURE POST AND FOOTING
SCALE: 1/2" = 1'-0"

LEGEND:

1. 8' PERIMETER CONCRETE BLOCK WALL. SEE DETAIL 6, SHEET L-2.01 AND CONSTRUCTION PLAN, SHEET L-1.02 FOR LOCATIONS.
2. POURED-IN-PLACE CONCRETE CAP ON BLOCK WALL. SEE DETAIL 6, SHEET L-2.01.
3. CONCRETE BLOCK WALL FOOTING. SEE DETAIL 6, SHEET L-2.01.
4. 10" SHADE STRUCTURE POST. SEE USA SHADE SHADE STRUCTURE ENGINEERING PLANS AND DETAILS, SHEET L-2.12 AND L-2.16.
5. 2'-6" DIA. POURED-IN-PLACE CONCRETE SHADE STRUCTURE FOOTING TO OCCUR BELOW CONCRETE BLOCK WALL FOOTING. SEE USA SHADE SHADE STRUCTURE ENGINEERING PLANS, SHEETS L-2.13 AND L-2.17, FOR DEPTH AND REINFORCEMENT. SEE STRUCTURAL CALCULATIONS PREPARED BY STATE OF CALIFORNIA LICENSED STRUCTURAL ENGINEER.
6. 17" SQ. BASE PLATE. SEE SEE USA SHADE DETAIL, SHEETS L-2.13 AND L-2.17.
7. SIX 1-1/4" X 36" ANCHOR BOLTS. HEAVY HEX. NUTS (3), FLAT WASHER (2) LOCK WASHER (F1554 GR.55 GALVANIZED). SEE USA SHADE DETAIL, SHEETS L-2.13 AND L-2.17.
8. 90% MINIMUM COMPACTED, MOISTURE-CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT. SEE SPECIFICATIONS.
9. FINISH GRADE. SEE CIVIL PLANS.
10. ADJACENT CONCRETE PAVING PER DETAIL 2, SHEET L-2.01.

NOTES:

A. VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION.
B. CONTRACTOR TO PROVIDE COLOR / FINISH SAMPLE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
C. SEE GEOTECHNICAL REPORT (PAVEMENT RECOMMENDATIONS) FOR CONCRETE TYPE AND STRENGTH.
D. CAISSON AND SHADE STRUCTURE SHALL BE ERECTED PRIOR TO THE WALL FOOTING.
E. SHADE STRUCTURE AND FOOTING DESIGN SHALL IMPART OR TRANSFER NO LOADS OR FORCES ON TO ADJACENT CONSTRUCTIONS. (I.E. WALL FOOTING, WALL CAP, ETC.)

1 CONCRETE MASONRY BLOCK PERIMETER WALL AT SHADE STRUCTURES

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BASIS OF BEARINGS:
BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF 162 ND STREET (FORMERLY MARKET STREET) BEING N 89° 55' 30" E SHOWN ON TRACT NO. 10901, M.B. 254/31-32

BENCHMARK:
THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508

CONSULTANT:
Shimaji & Lascola, Inc.
Structural Engineers
23682 Birtcher Drive
Lake Forest, CA 92630
949 770-9967

REGISTERED PROFESSIONAL ENGINEER
JAMES J. LASCOLA
No. 3149
EXP. 12-31-23
STRUCTURAL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
RJM DESIGN GROUP
31591 Camino Capistrano
San Juan Capistrano, CA 92675
www.RJMdesigngroup.com
[949] 493-2690 fax
[949] 493-2600 phone

LICENSED LANDSCAPE ARCHITECT
LARRY P. RYAN LICENSE NO. 2502
Signature
09/30/2023
Renewal Date
8/16/2023
Date
STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING
CONSTRUCTION DETAILS
COMMUNITY AQUATICS & SENIOR CENTER
L-2.02

	INITAL	DATE
DESIGNED BY	EC	11/14/2022
DRAWN BY	TP	06/20/2023
CHECKED BY	EC	06/30/2023

APPROVED BY:
DATE　DIRECTOR OF PUBLIC WORKS

SHT. 17 OF 176　DWG. NO. 5-2606

LEGEND:

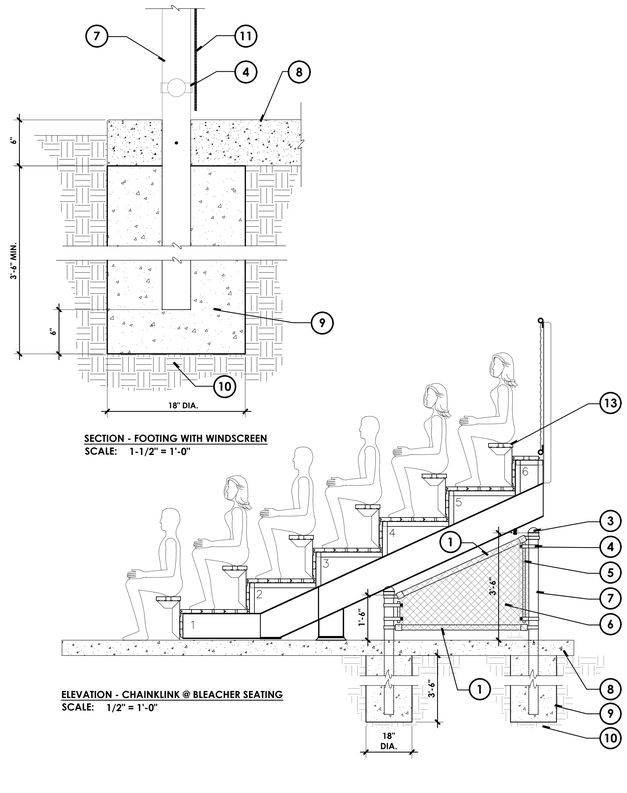
1. 7"x10" PHOTOLUMINESCENT ALUMINUM EXIT SIGN, MODEL #NHE-6739.
2. 7"x10" PHOTOLUMINESCENT ALUMINUM EMERGENCY EXIT SIGN, MODEL #NHE-6730.
3. 6"x15" PHOTOLUMINESCENT ALUMINUM EXIT WITH LEFT ARROW SIGN, MODEL #NHE-18669.
4. 6"x15" PHOTOLUMINESCENT ALUMINUM EXIT WITH RIGHT ARROW SIGN, MODEL #NHE-18668.

NOTES:

A. SIGNAGE TO BE MOUNTED TO ENSURE THAT CENTER OF LETTERING / SIGNAGE SET AT 60" ABOVE FINISHED SURFACE OF CONCRETE BELOW FENCE / GATE / DOOR.

B. ALL SIGNS AVAILABLE FROM COMPLIANCE SIGNS, (800) 578-1245, OR APPROVED EQUAL.

4 EXIT / EMERGENCY EXIT SIGNAGE



SECTION - FOOTING WITH WINDSCREEN
SCALE: 1-1/2" = 1'-0"

ELEVATION - CHAINLINK @ BLEACHER SEATING
SCALE: 1/2" = 1'-0"

LEGEND:

1. TOP, BOTTOM, & MID RAIL, 2" O.D. GALVANIZED STEEL PIPE
2. RAIL END, TYPICAL
3. POST CAP, GALVANIZED, TYPICAL
4. STRETCHER BAND, TYPICAL
5. STRETCHER BAR, TYPICAL
6. 2" GRID MESH, 6 GAUGE CHAIN LINK FABRIC WITH KNUCKLED SELVAGE AT TOP AND BOTTOM
7. 2-$\frac{1}{2}$" STD. (4" O.D.) SCH. 40 GALVANIZED STEEL END POST, 6'-0" O.C. MAX.
8. 6" THICK CONCRETE POOL DECK PAVING. SEE DETAIL 2, SHEET L-2.01.
9. CONCRETE FOOTING AND REINFORCEMENT PER STRUCTURAL ENGINEER, AS SHOWN THIS DETAIL.
10. 90% MINIMUM COMPACTED, MOISTURE-CONDITIONED SUB GRADE PER GEOTECHNICAL REPORT. SEE SPECIFICATIONS.
11. POLYPROPYLENE OPEN MESH WINDSCREEN NO. C-85 BY: WEST COAST NETTING, OR APPROVED EQUAL. SECURE AT EDGES WITH NYLON TIES THROUGH ALUMINUM GROMMETS AT 12" O.C. ALONG ALL EDGE CONDITIONS. DAN KIRKLAND (928) 692-1144.
12. PROVIDE ½" THICK TOOLED CONTROL JOINTS AT POSTS AND CENTERED BETWEEN POSTS, TYPICAL ALONG ALL FENCING. SEE DETAIL 3, SHEET L-2.01.
13. BLEACHER SEATING PER SOUTHERN BLEACHER COMPANY PLANS. SEE SHEETS L-2.07-L-2.09.

NOTES:

A. PROVIDE SCALED SHOP DRAWING OF FENCE CONSTRUCTION FOR CITY REVIEW AND APPROVAL PRIOR TO FABRICATION. SEE SPECIFICATIONS.

B. CONTRACTOR TO PROVIDE 18" X 18" SAMPLE OF 6 GAUGE 2" X 2" CHAIN LINK FOR CITY REVIEW AND APPROVAL PRIOR TO CONSTRUCTION

C. ALL GALVANIZED STEEL PIPE SHALL BE SCH 40.

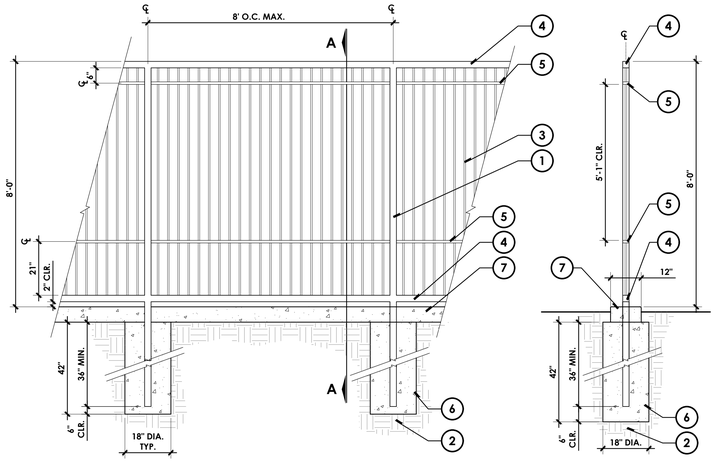
D. ALL WELDS TO BE CONTINUOUS GROUND SMOOTH.

E. SEE CONSTRUCTION PLAN, SHEET L-1.01 FOR GATE LOCATIONS.

F. ALL FITTINGS SHALL BE GALVANIZED.

G. CONSTRUCT CONCRETE THRESHOLD AT EACH CHAIN LINK GATE OPENING.

5 ANGLED CHAINLINK FENCE AT BLEACHER



ELEVATION - FENCING
SCALE: 1/2" = 1'-0"

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

LEGEND:

1. 2-$\frac{1}{2}$"x2-$\frac{1}{2}$"x$\frac{3}{16}$" SQ. TUBULAR STEEL FENCE POST. SPACE AT 8'-0" O.C. MAX.
2. 90% MINIMUM COMPACTED, MOISTURE-CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT. SEE SPECIFICATIONS: 2
3. 5/8" SQ. STEEL TUBING PICKETS AT 4" O.C. (16 GAUGE).
4. 2-$\frac{1}{2}$"x2-$\frac{1}{2}$"x$\frac{3}{16}$" SQ. TUBULAR STEEL TOP AND BOTTOM RAIL.
5. 1"x2-½" TUBULAR STEEL MID RAILS AS INDICATED.
6. CONCRETE FOOTING PER STRUCTURAL ENGINEER, AS SHOWN THIS DETAIL.
7. 12" WIDE MOW CURB BENEATH TUBULAR STEEL FENCE. SEE DETAIL 3, SHEET L-2.01.

NOTES:

A. ALL FENCE MEMBERS TO BE 11 GAUGE UNLESS OTHERWISE NOTED.

B. CONTRACTOR TO PROVIDE SHOP DRAWING OF PROPOSED FENCING FOR OWNER'S AUTHORIZED REPRESENTATIVE'S REVIEW AND APPROVAL PRIOR TO FABRICATION.

C. WELDING: BEVEL ALL MEMBERS PRIOR TO WELDING. ALL WELDS SHALL BE CONTINUOUS AND GROUND SMOOTH.

D. FABRICATION SHALL BE PER FIELD MEASUREMENTS CONDUCTED BY CONTRACTOR.

E. CONTRACTOR TO PROVIDE SCALED SHOP DRAWING OF PROPOSED FENCING GATE HARDWARE, HINGES, LOCKS, ETC. FOR OWNER'S AUTHORIZED REPRESENTATIVE'S REVIEW AND APPROVAL PRIOR TO FABRICATION.

F. ALL TUBULAR STEEL FENCING SHALL RECEIVE THE FOLLOWING APPLICATIONS TO ALL TUBULAR MEMBERS: SURFACE PREPARATION: ZINC THERMAL SPRAYED METALIZED FINISH (2 MIL MINIMUM) AS PROVIDED BY ZINC NATION OR APPROVED EQUAL. SEE SPECIFICATIONS. CONTACT: WHITNEY BLAKESLEE (714) 239-6190. FINISH: TNEMEC COATING PER SPECIFICATIONS, OR APPROVED EQUAL. COLOR: 'DOVE GRAY' (38GR) BY TNEMEC. FINAL COLOR TO BE SELECTED & APPROVED BY CITY. CONTACT: DUSTIN KAATZ (310) 637-2363.

G. CONTRACTOR TO INSTALL MOCK-UP OF 16 LINEAR FEET OF TUBULAR STEEL FENCE FOR REVIEW & APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO COMPLETE INSTALLATION.

2 TUBULAR STEEL FENCE

98-F/99-F Rim exit device

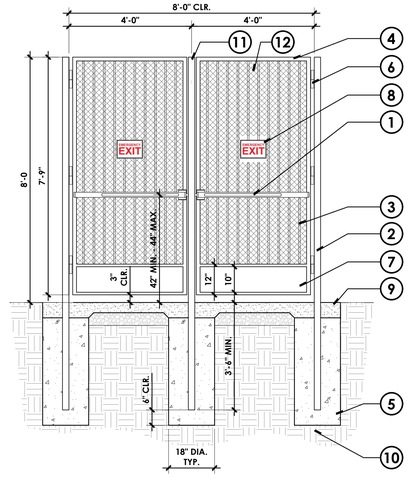
98-F and 99-F Rim fire exit devices for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2014 Grade 1. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder) or 5S (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

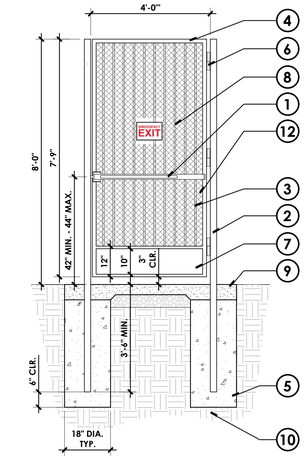
IMAGE FOR REFERENCE ONLY
SCALE: N.T.S.

DOVE GRAY
38GR
RGB: 189,187,183

IMAGE FOR REFERENCE ONLY
SCALE: N.T.S.



ELEVATION - DOUBLE-SWING TUBULAR STEEL GATE
SCALE: 1/2"=1'-0"



ELEVATION - SINGLE-SWING TUBULAR STEEL GATE
SCALE: 1/2"=1'-0"

LEGEND:

1. 'VON DUPRIN' PANIC BAR DEVICE (SELF-LATCHING), 98-F RIM FIRE EXIT DEVICE, MODEL #98L-F-US28, (L-LEVER, F-FIRE EXIT DEVICE, US28-ANODIZED ALUMINUM FINISH). DISTRIBUTED BY INGERSOLL RAND SECURITY TECHNOLOGIES. (626)359-5555, OR APPROVED EQUAL. MOUNT PANIC BAR TO 5" WIDE x $\frac{5}{8}$" THICK x GATE WIDTH STEEL BAR RACKING WELDED TO GATE. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
2. 2-$\frac{1}{2}$"X2-$\frac{1}{2}$"X$\frac{1}{4}$" TUBULAR STEEL GATE POST, TYP.
3. 5/8" SQ. TUBULAR STEEL PICKETS AT 4" O.C. (14 GAUGE)
4. 2-$\frac{1}{2}$"X2-$\frac{1}{2}$"X$\frac{1}{4}$" TUBULAR STEEL GATE FRAME.
5. CONCRETE FOOTING AND REINFORCEMENT PER STRUCTURAL ENGINEER, AS SHOWN THIS DETAIL.
6. HEAVY DUTY SPRING LOADED GATE HINGES (SELF-CLOSING) - 3 HINGES PER GATE BY: JANSEN ORNAMENTAL SUPPLY CO., MODEL NO. BHRDS, OR APPROVED EQUAL. (800) 423-4494. SECURE PER MANUFACTURER'S SPECIFICATIONS.
7. INSTALL 16 GA. GALVANIZED KICK PLATE ON PUSH SIDE OF GATE.
8. GLOW-IN-DARK ALUMINUM EXIT SIGN, TO BE MOUNTED ON PUSH SIDE OF GATE. SIGN TO BE CALLOUT #2, MODEL #NHE-6739, PER DETAIL 4, THIS SHEET.
9. ADJACENT CONCRETE PAVING. SEE DETAIL 1 & 2, SHEET L-2.01 AND LANDSCAPE PLANS SHEETS L-1.01 & L-1.02 FOR LOCATIONS.
10. 90% MINIMUM COMPACTED, MOISTURE-CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT.
11. 2-$\frac{1}{2}$"X2-$\frac{1}{2}$"X$\frac{1}{4}$" TUBULAR STEEL MULLION POST. MULLION TO RECEIVE $\frac{5}{8}$" STRIKE FOR PANIC BAR BY VON DUPRIN, MODEL# 9954.
12. EXPANDED METAL MESH WITH 3/4" OPENINGS (13 GAUGE). WELD TO INSIDE OF GATE WITH DOUBLE 1" X 1/8" THICK STEEL FRAME.

NOTES:

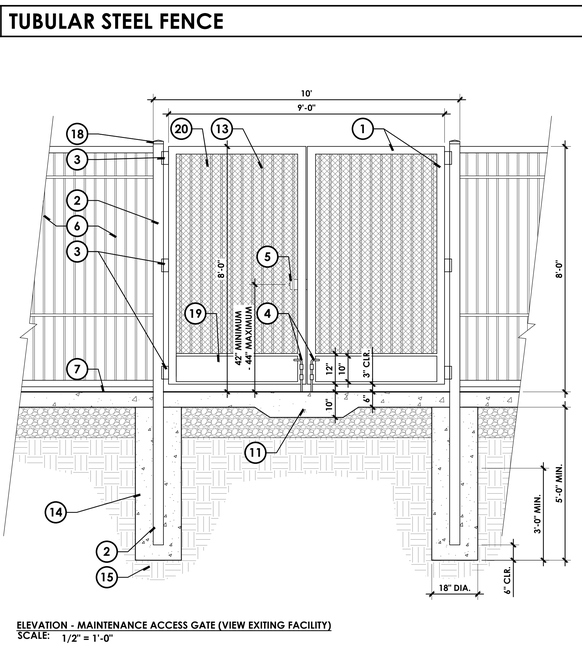
A. ALL TUBULAR STEEL FENCING SHALL RECEIVE THE FOLLOWING APPLICATIONS TO ALL TUBULAR MEMBERS: SURFACE PREPARATION: ZINC THERMAL SPRAYED METALIZED FINISH (2 MIL MINIMUM) AS PROVIDED BY ZINC NATION, OR APPROVED EQUAL, SEE SPECIFICATIONS. CONTACT: WHITNEY BLAKESLEE (714) 239-6190. FINISH: TNEMEC COATING, OR APPROVED EQUAL, PER SPECIFICATIONS. COLOR: 'DOVE GRAY' (38GR) BY TNEMEC. FINAL COLOR TO BE SELECTED & APPROVED BY CITY. CONTACT: DUSTIN KAATZ (310) 637-2363.

B. CONTRACTOR TO PROVIDE SCALED SHOP DRAWINGS OF PROPOSED GATES AND HARDSCAPE FOR OWNER'S AUTHORIZED REPRESENTATIVE'S REVIEW AND APPROVAL PRIOR TO FABRICATION.

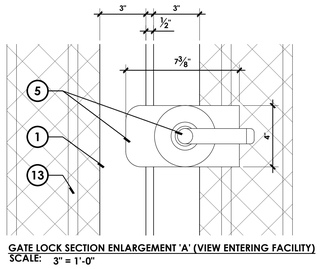
C. GATES SHALL BE EQUIPPED WITH SELF-CLOSING AND SELF-LATCHING DEVICES, PER THIS DETAIL.

D. GATES SHALL BE CAPABLE OF BEING LOCKED DURING TIMES WHEN THE POOL IS CLOSED.

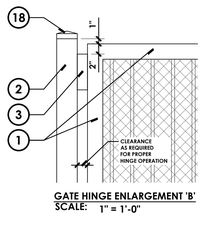
1 TUBULAR STEEL GATE



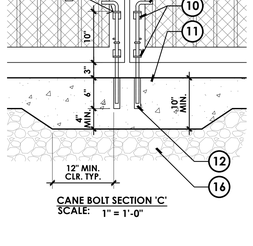
ELEVATION - MAINTENANCE ACCESS GATE (VIEW EXITING FACILITY)
SCALE: 1/2" = 1'-0"



GATE LOCK SECTION ENLARGEMENT 'A' (VIEW ENTERING FACILITY)
SCALE: 3" = 1'-0"



GATE HINGE ENLARGEMENT 'B'
SCALE: 1" = 1'-0"



CANE BOLT SECTION 'C'
SCALE: 1" = 1'-0"

LEGEND:

1. GATE FRAME, 3" O.D. WELDED, GALV. STEEL PIPE, SCHEDULE 40. SEE NOTE 'D' BELOW.
2. HSS 4" x 4" x $\frac{3}{8}$" TUBULAR STEEL GATE POST. FILL POST WITH CONCRETE. SEE NOTE 'D' BELOW.
3. HEAVY DUTY SPRING LOADED GATE HINGES (SELF-CLOSING) - 3 PER GATE FRAME. 7" ROUND BARREL HINGE W/ GREASED FITTING & STAINLESS STEEL PIN. BY JANSEN ORNAMENTAL SUPPLY CO. OR APPROVED EQUAL. MODEL: BHRDS. PHONE: (800) 423-4494. LOCATE TOP, MIDDLE, & BOTTOM OF GATE. SECURE PER MANUFACTURER'S SPECIFICATIONS. SEE ENLARGEMENT 'B'.
4. CANE BOLT. $\frac{5}{8}$" DIA. x 18" LONG W/ $\frac{1}{4}$" LONG x $\frac{3}{16}$" STEEL ROD WELDED TO CANE BOLT. SEE SECTION ENLARGEMENT 'C'.
5. FALCON T SERIES ADA LOCKSET (SELF-LATCHING). DISTRIBUTED BY INGERSOLL RAND SECURITY TECHNOLOGIES, (626)359-5555. MOUNT TO 4" WIDE SQ. STEEL HARDWARE ENCLOSURE WELDED TO GATE FRAME. INSTALL 42" MINIMUM - 44" MAXIMUM ABOVE FINISHED GRADE. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SEE ENLARGEMENT 'A'.
6. ADJACENT TUBULAR STEEL FENCING. SEE DETAIL 2, THIS SHEET.
7. FINISH GRADE. SEE PLANS.
8. PIPE SLEEVES AS DIMENSIONED, WELDED TO GATE FRAME FOR FULL LENGTH OF PIPE.
9. ¾" DIAMETER ROD.
10. (4) 1½"x1½"x1½" LONG ANGLE PUNCH ⅝" HOLE FOR CANE BOLT & SLOT AT TOP ANGLE.
11. VEHICULAR CONCRETE PAVING. CONCRETE SHALL BE 10" MINIMUM DEPTH AT CANE BOLT LOCATION TO ALLOW FOR 6" DEEP PIPE SLEEVES, PER LEGEND ITEM 12 BELOW. SEE ENLARGEMENT 'C' AND DETAIL 1, SHEET L-2.01.
12. 6" DEEP ⅞" DIA. PIPE SLEEVE SET IN CONCRETE.
13. 5/8" SQ. TUBULAR STEEL PICKETS AT 4" O.C. (14 GAUGE)
14. GATE POST FOOTING, SIZE AND REINFORCEMENT PER STRUCTURAL ENGINEER, AS SHOWN THIS DETAIL. COORDINATE INSTALLATION OF POST FOOTING WITH ADJACENT CONCRETE WALL FOOTING. SEE DETAIL 1, SHEET L-2.01.
15. COMPACTED, MOISTURE-CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT.
16. 6" CRUSHED AGGREGATE BASE. SEE DETAIL 1, SHEET L-2.01.
17. ADJACENT TUBULAR STEEL FENCING. SEE DETAIL 2, THIS SHEET.
18. POST CAP, WELDED AT TOP OF POST AFTER ALL GATE HARDWARE HAS BEEN INSTALLED, BY JANSEN ORNAMENTAL SUPPLY CO., OR APPROVED EQUAL. MODEL: PC4. PHONE: (800) 423-4494.
19. INSTALL 16 GA. GALVANIZED KICK PLATE.
20. EXPANDED METAL MESH WITH 3/4" OPENINGS (13 GAUGE). WELD TO INSIDE OF GATE WITH DOUBLE 1" X 1/8" THICK STEEL FRAME.

NOTES:

A. BEVEL ALL MEMBERS PRIOR TO WELDING. ALL WELDS SHALL BE CONTINUOUS AND GROUND SMOOTH.

B. FABRICATION SHALL BE PER FIELD MEASUREMENTS CONDUCTED BY CONTRACTOR.

C. CONTRACTOR TO PROVIDE SCALED SHOP DRAWINGS OF PROPOSED GATES AND HARDSCAPE FOR OWNER'S AUTHORIZED REPRESENTATIVE'S REVIEW AND APPROVAL PRIOR TO FABRICATION.

D. ALL EXPOSED METAL SHALL RECEIVE THE FOLLOWING APPLICATIONS TO ALL MEMBERS: SURFACE PREPARATION: ZINC THERMAL SPRAYED METALIZED FINISH (2 MIL MINIMUM) AS PROVIDED BY ZINC NATION OR APPROVED EQUAL. SEE SPECIFICATIONS. CONTACT: WHITNEY BLAKESLEE (714) 239-6190. FINISH: TNEMEC COATING, OR APPROVED EQUAL PER SPECIFICATIONS. 'DOVE GRAY' (38GR) BY TNEMEC. FINAL COLOR TO BE SELECTED & APPROVED BY CITY. CONTACT: DUSTIN KAATZ (310) 637-2363.

E. CONCRETE AND REINFORCING INFORMATION INDICATED HEREIN, ARE MINIMUMS AND ARE BASED ON INFORMATION CONTAINED IN THE PROJECT GEOTECHNICAL REPORT AVAILABLE AT THE TIME OF PREPARATION OF THESE DOCUMENTS. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN AND REVIEW THE RECOMMENDATIONS CONTAINED IN THE LATEST AND FINAL APPROVED GEOTECHNICAL REPORT SPECIFIC TO THIS PROJECT. THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONCRETE, REINFORCING, SUB-BASE MATERIALS, SUB-BASE PREPARATION SUCH AS COMPACTION, MOISTURE CONDITIONING, ETC., AS MAY BE REQUIRED BY THE LATEST AND FINAL APPROVED PROJECT GEOTECHNICAL REPORT.

F. GATES SHALL BE EQUIPPED WITH SELF-CLOSING AND SELF-LATCHING DEVICES, PER THIS DETAIL.

G. GATES SHALL BE CAPABLE OF BEING LOCKED DURING TIMES WHEN THE POOL IS CLOSED.

3 MAINTENANCE ACCESS GATE

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF 162 ND STREET (FORMERLY MARKET STREET) BEING N 89° 55' 30" E SHOWN ON TRACT NO. 10901, M.B. 254/31-32

BENCHMARK:

THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508

CONSULTANT:

Shimaji & Lascola, Inc.
Structural Engineers
23682 Birtcher Drive
Lake Forest, CA 92630
949 770-9967

REGISTERED PROFESSIONAL ENGINEER — JAMES E. SHIMAJI — No. 3349 — EXP. 12-31-23 — STRUCTURAL — STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:

RJM DESIGN GROUP
31591 Camino Capistrano
San Juan Capistrano, CA 92675
www.RJMdesigngroup.com
(949) 493-2690 fax
(949) 493-2800 phone

REGISTERED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — 04/30/2023

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

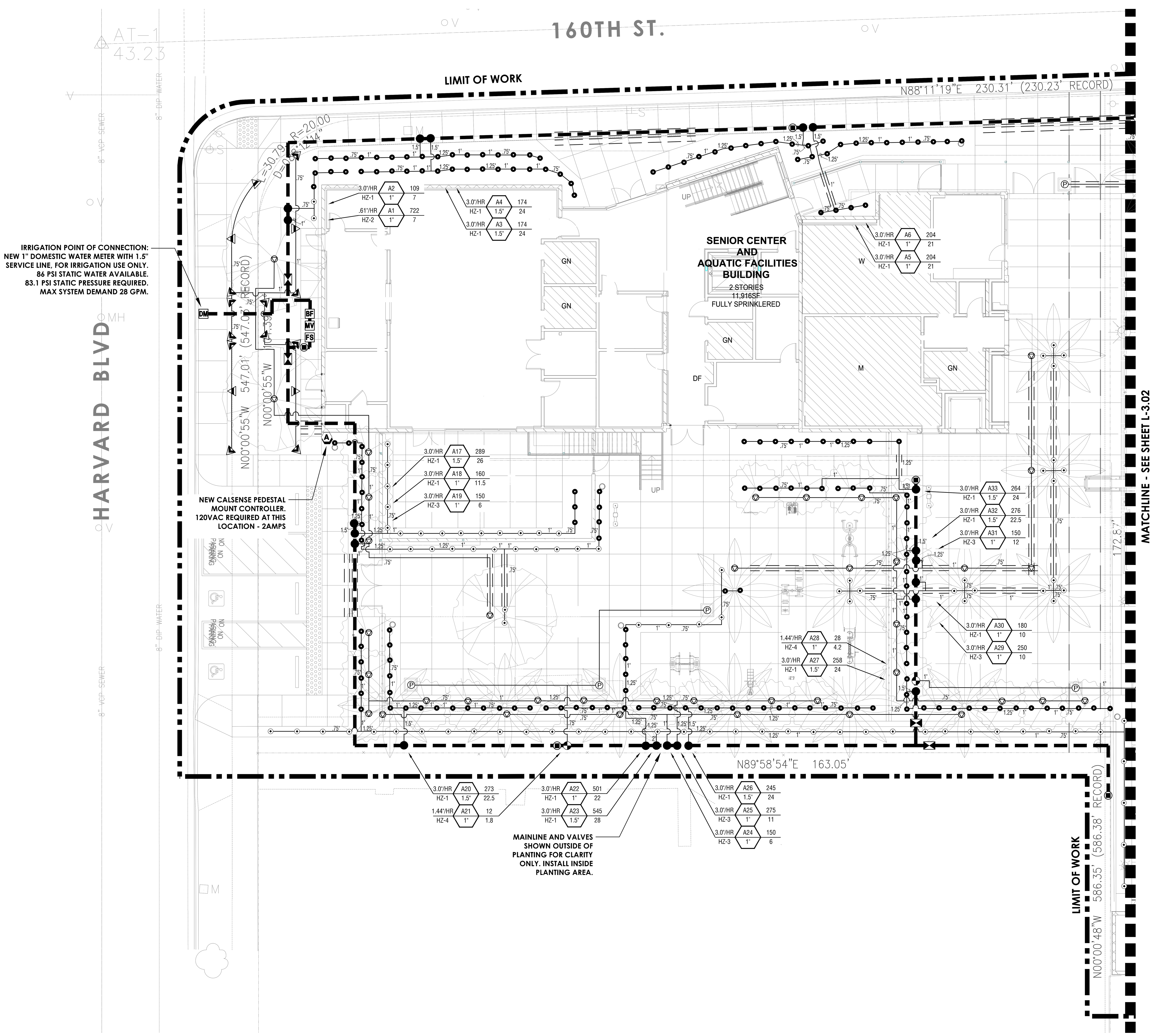
CONSTRUCTION DETAILS

COMMUNITY AQUATICS & SENIOR CENTER

L-2.03

	INITAL	DATE	APPROVED BY:
DESIGNED BY	EC	11/14/2022	
DRAWN BY	TP	04/20/2023	DATE DIRECTOR OF PUBLIC WORKS
CHECKED BY	EC	04/30/2023	

SHT. 18 OF 176 DWG. NO. 5-2606



IRRIGATION EQUIPMENT LEGEND

SYMBOL (Q H F)	MANUFACTURER	MODEL NO. / DESCRIPTION	GPM	PSI	RADIUS (FT.)	PRECIP.	DETAIL
	RAIN BIRD	RD-06-S-P30-F/5Q-B POP-UP BUBBLER HEAD, EACH SYMBOL REPRESENTS TWO BUBBLERS PER BOX TREE. PLACE BUBBLERS OUTSIDE OF ROOTBALL ON OPPOSITE SIDES OF TREE. ADJUST PER ROOTBALL SIZE TYPICAL.	0.50 (1.0)	30	5	3.0 IN./HR	A,B
	RAIN BIRD	RD-06-S-P45-F - R-VAN14, 6" POP-UP WITH CHECK VALVE ,PRESSURE REGULATOR, AND ADJUSTABLE ROTARY NOZZLE. FULL NOZZLE SHALL BE R-VAN14-360	0.32-1.27	45	8-14	0.61 IN./HR.	A
	RAIN BIRD	RD-06-S-P45-F - R-VAN18, 6" POP-UP WITH CHECK VALVE ,PRESSURE REGULATOR, AND ADJUSTABLE ROTARY NOZZLE. FULL NOZZLE SHALL BE R-VAN18-360	0.50-1.85	45	13-18	0.61 IN./HR.	A
	RAIN BIRD	RD-06-S-P45-F - R-VAN24, 6" POP-UP WITH CHECK VALVE, PRESSURE REGULATOR, AND ADJUSTABLE ROTARY NOZZLE. FULL NOZZLE SHALL BE R-VAN24-360	0.84-3.48	45	17-24	0.61 IN./HR.	A
	RAIN BIRD	RD-06-S-P30-F/5CST-B POP-UP STREAM BUBBLER HEAD - 2 STREAMS	0.50	30	3	3.0 IN./HR	A
	RAIN BIRD	RD-06-S-P30-F/5F-B POP-UP STREAM BUBBLER HEAD - 6 STREAMS. NOTE: CONTRACTOR SHALL USE SQ-F NOZZLE IN THE EVENT ANY SHRUBS DO NOT RECIEVE PROPER COVERAGE.	1.50	30	3	3.0 IN./HR	A
P	RAIN BIRD	XFCV-09-12-XX LANDSCAPE DRIP TUBING W/ .9 GPH EMITTERS 12" ON CENTER. DRIP TUBING HAS BUILT IN CHECK VALVES. DRIP TUBING SHALL BE INSTALLED AT GRADE UNDER MULCH, AND IN RINGS (1) RING PER 16" POT AND (2) RINGS PER 24" POT. ESTIMATE 40 LINEAR FEET OF DRIPLINE TUBING PER POT. INSTALL TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER. INSTALL A DRIP INDICATOR IN THE (2) FURTHEST POTS ON OPPOSITE SIDES OF THE VALVE ZONE.	.60 (TOTALS VARY)	30	N/A	1.44 IN./HR.	C,D
	NIBCO	T-113 GATE VALVE, LINE SIZE, WITH BRONZE WHEEL HANDLE UP TO 2" INSTALLED IN A RECTANGULAR BOX					E
DM	WATER METER	EXISTING WATER METER FOR LANDSACPE ONLY REFER TO CIVIL PLANS FOR FINAL LOCATION.					N/A
BF	FEBCO/WATTS/ STRONG BOX	2" LF 825 YA LEAD FREE BACKFLOW PREVENTER WITH LF777-304SS#60 STRAINER AND V.I.T. STRONGBOX SBBC-22SS SMOOTH TOUCH STAINLESS STEEL ENCLOSURE ON QP-22BF QUICK PAD.					F
MV FS	SUPERIOR/ CALSENSE	MASTER VALVE AND FLOW SENSOR. 3100150PRS NORMALLY OPEN 1.5" BRASS MASTER VALVE WITH PRESSURE REGULATOR AND CALSENSE FM-125B 1.25" BRASS FLOW SENSOR. INSTALL BOTH PER MANUFACTURER'S RECOMMENDATIONS AND WIRE DIRECTLY TO THE CONTROLLER.					G,H
A	CALSENSE	CS3-48-S/FM-125B/CS3-GR-BUNDLE-2/3100150PRS CONTROLLER. CONTACT JEFF DRONGOWSKI WITH CALSENSE FOR ORDERING (760) 580-9428. CS3000 SERIES 48 STATION CONTROLLER IN A STAINLESS STEEL TOP ENTRY ENCLOSURE W/ CELL CARD, ANTENNA. CONTRACTOR SHALL CONTACT CALSENSE TO INSURE PROPER COMMUNICATION WITH THE CITY'S CENTRAL CONTROL SYSTEM. CONTROLLER WILL COMMUNICATE WITH THE CITY'S CENTRAL CONTROL RAIN SENSING LOCATED OFF-SITE.					L
	RAIN BIRD	44LRC 1" QUICK COUPLER VALVE WITH LOCKING COVER, INSTALL WITHIN 10" ROUND VALVE BOX					I
	RAIN BIRD	1X0-EFB-CP-PRS-D, BRASS REMOTE CONTROL VALVE W/ PRESSURE REGULATOR, SEE PLAN FOR SIZE.					J
	RAIN BIRD	XCZ-PRB-100-COM (1",1 1/2") DRIP VALVE CONTROL ZONE ASSEMBLY, SIZE AS SHOWN					K
	AS APPROVED	PVC PIPE 3/4" - 2" SCH. 40 WITH SCH.40 FITTINGS AS LATERAL LINES 12" BELOW GRADE, AND ABOVE THE FIELD SUB DRAINS.					M
	AS APPROVED	PVC PIPE 2" CL. 315 SOLVENT WELD WITH SCH.80 FITTINGS AS MAINLINES-24" DEPTH					M
	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, 2 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED. PLACE BELOW ALL PAVING, HARDSCAPE ETC. AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.					N
NO SYMBOL	AS APPROVED	DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS (U.L. APPROVED).					N/A
NO SYMBOL	NDS	PRO SERIES/PRO SERIES PLUS VALVE BOXES, SIZE PER EQUIPMENT DETAILS, LEGEND, AND SPECIFICATIONS. 10" ROUND SHALL BE MODEL 311BCBLK, 14" X 19" STANDARD RECT. SHALL BE MODEL 313BCBBLK. VALVE BOXES SHALL HAVE BLACK BODY AND BLACK LIDS. FOR USE IN NON-VEHICULAR TRAFFIC SITUATIONS ONLY. DO NOT INSTALL IN CONCRETE OR ASPHALT.					N/A

CONTROL VALVE SYMBOL

PRECIP / HZ — No. — INDICATES VALVE NO.
A — INDICATES SQUARE FOOT AREA
GPM — INDICATES GPM
Size — INDICATES VALVE SIZE

HYDROZONE	HYDROZONE DESCRIPTION
1	LOW WATER SHRUBS WITH BUBBLERS
2	HIGH WATER TURF WITH ROTARYS
3	MED WATER TREES WITH BUBBLERS
4	MED WATER POTS WITH DRIPLINE

2015 MWELO WATER EFFICIENT LANDSCAPE WORKSHEET

Project Community Aquatics & Senior Center, Gardena CA
Reference Evapotranspiration (ETo): 50.1

Glasir Design Irrigation Consulting CID#6004-glasirdesign.com

Hydrozone # /Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (sq, ft,)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
#1 low shrub	0.2	Bubblers	0.81	0.25	5,394	1,331.85	41,369.98
#2 turf rotary	0.8	Bubblers	0.81	0.99	722	713.09	22,149.89
#3 med trees	0.5	Bubblers	0.81	0.62	1,450	895.06	27,802.41
#4 med pots	0.5	Drip	0.81	0.62	44	27.16	843.66
				Totals	7,610	2,967.16	92,165.94
Special Landscape Areas							
#5 pool	[redacted]			1	7,020	7,020.00	218,055.24
				1			
				Totals	7,020	7,020.00	218,055.24
						ETWU Total	310,221.18
						Maximum Allowed Water Allowance (MAWA)[e]	324,427.06

[a] *Refer to legend for Hydrozone description.*

[d] ***ETWU* (Annual Gallons Required)** = *Eto x 0.62 x ETAF x Area*
w here 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

[e] ***MAWA (Annual Gallons Allowed) = (** *Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]*
w here 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	2,967
Total Area	7,610
Average ETAF	**0.39**

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas Including SLA

Total ETAF x Area	9,987.16
Total Area	14,630
Sitewide ETAF	**0.68**

IRRIGATION WATER PRESSURE LOSS CALCULATIONS

WATER METER NUMBER	IRR	WATER METER SIZE	1	INCHES
WATER METER ELEVATION (FT)		HIGHEST HEAD ELEVATION		FT
REMOTE CONTROL VALVE #	A1	STATIC WATER PRESSURE	86	PSI
RCV DEMAND (GPM)	7	TOTAL DEMAND	28	GPM

SIZE (INCHES)	DESCRIPTION		GPM	PRESSURE LOSS	
1.0	SERVICE LINE		28	4.75	PSI
1.0	WATER METER (DISC TYPE)		28	4.6	PSI
2.0	BACKFLOW PREVENTION ASSEMBLY (RPZ TYPE)		28	13.0	PSI
2.0	BACKFLOW ASSEMBLY PIPING		28	0.6	PSI
2.0	FILTERATION		28	0.3	PSI
2.0	PRESSURE REGULATOR		28	4.0	PSI
1.5	MASTER VALVE		7	1	PSI
2.0	ISOLATION VALVE		7	1.0	PSI
2.0	PVC CL 315 MAINLINE (FT)	50	7	0.4	PSI
1.5	REMOTE CONTROL VALVE ASSEMBLY		7	0.7	PSI
N/A	LATERAL LINE LOSSES		7	4.5	PSI
N/A	FITTING LOSSES		7	1.3	PSI

TOTAL PRESSURE LOSS OF ALL COMPONENTS		38.1	PSI
PRESSURE REQUIRED AT HEAD (OPERATING PRESSURE)		45.0	PSI
ELEVATION LOSS (FT)	0	0.0	PSI
TOTAL PRESSURE REQUIRED		83.1	PSI
STATIC WATER PRESSURE		86.0	PSI
RESIDUAL WATER PRESSURE		2.9	PSI
SET PRESSURE REGULATOR OR MASTER CONTROL VALVE AT		N/A	PSI
PRESSURE BOOST, IF REQUIRED (SET TO ACHIEVE 100 KPA RESIDUAL)		N/A	PSI

Glasir Design Irrigation Consulting CID#6004-glasirdesign.com

CITY OF GARDENA COMMUNITY AQUATICS CENTER IRRIGATION RUN TIMES (IN MINUTES)

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
CYCLES PER WEEK - TURF	2	2	3	5	5	6	6	6	4	3	2	2
TURF CROP COEFFICIENT	.61	.64	.75	1.04	.95	.88	.94	.86	.74	.75	.69	.60
CYCLES PER WEEK-SHRUB/TREE	1	1	2	2	2	3	3	3	2	2	1	1
Eto DAILY AVERAGE	.07	.09	.12	.16	.17	.20	.21	.20	.16	.12	.09	.07

Turf Root Depth	4"
Shrub Root Depth	6"
Depletion Factor (MAD)	40%

Soil Type (Textural)	CLAY LOAM
Field Capacity	27%
Permanent Wilt Point	13%
Apparent Specific Gravity	1.35

IRRIGATION RUN TIMES

Hydrozone	PLANT TYPE	Water Usage	Kc	SPRINKLER TYPE	EXPOSURE	EXPO FACTOR	PRECIP (in/hr)	SPKLR EFFIC.	ROOT DEPTH (in)	RUN TIME MULTIPLIER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	SHRUB	LOW	0.20	BUBBLER	FULL SUN	100%	3.00	81%	6	1.23	2	3	2	3	3	2	2	2	3	2	3	2
2	TURF	VARIABLE	Var	ROTARY	FULL SUN	100%	0.61	75%	12	1.33	20	26	28	31	30	27	30	26	27	28	29	19
3	TREE	MEDIUM	0.50	BUBBLER	FULL SUN	100%	3.00	81%	12	1.23	6	8	5	7	7	6	6	6	7	5	8	6
4	POTS	MEDIUM	0.50	DRIP	FULL SUN	100%	1.44	75%	6	1.33	14	18	12	16	17	13	14	13	16	12	18	14

IRRIGATION NOTES

NOTE A:
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NOTE E:
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1-800-422-4133
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BENCHMARK:
THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508

CITY OF GARDENA · FREEWAY CITY · INCORPORATED 1930

CONSULTANT:
Glasir Design Irrigation Consulting CID#6004-glasirdesign.com

PREPARED UNDER THE SUPERVISION OF:
RJM DESIGN GROUP
31591 Camino Capistrano
San Juan Capistrano, CA 92675
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REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

IRRIGATION PLAN

COMMUNITY AQUATICS & SENIOR CENTER

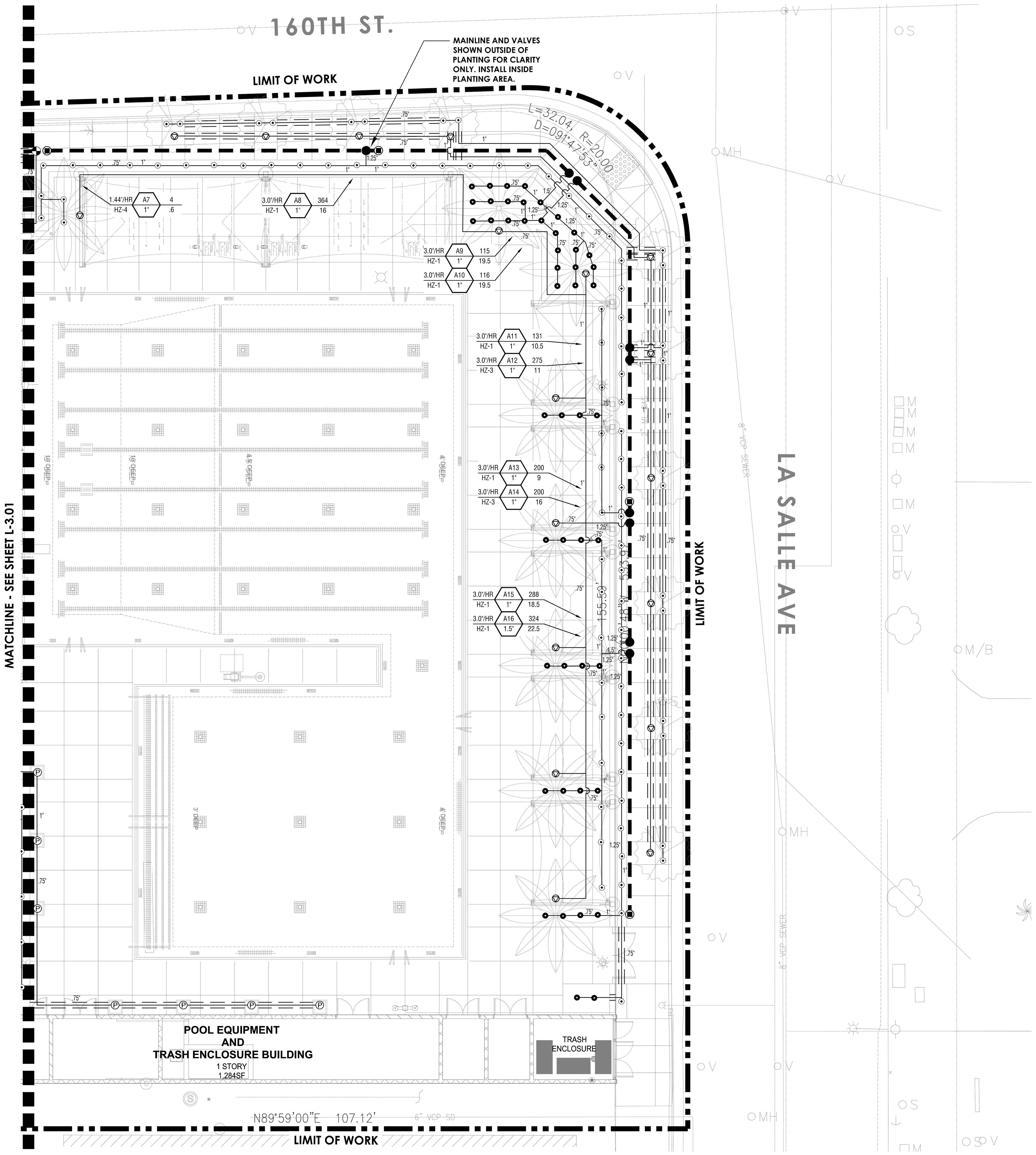
L-3.01

	INITAL	DATE
DESIGNED BY	EC	11/14/2022
DRAWN BY	TP	06/20/2023
CHECKED BY	EC	06/30/2023

APPROVED BY:
DATE — DIRECTOR OF PUBLIC WORKS

SHT. 33 OF 176 — DWG. NO. 5-2606

FILE PATH: C:\USERS\CHRIS CURRY\ONEDRIVE - GLASIRDESIGN.COM\GLASIR\03 PROJECTS\2021\21113
PLOT TIME: 06/30/2023 9:00 AM



IRRIGATION EQUIPMENT LEGEND

SYMBOL (Q H F)	MANUFACTURER	MODEL NO. / DESCRIPTION	GPM	PSI	RADIUS (FT.)	PRECIP.	DETAIL
	RAIN BIRD	RD-06-S-P30-F/5Q-B POP-UP BUBBLER HEAD, EACH SYMBOL REPRESENTS TWO BUBBLERS PER BOX TREE. PLACE BUBBLERS OUTSIDE OF ROOTBALL ON OPPOSITE SIDES OF TREE. ADJUST PER ROOTBALL SIZE TYPICAL.	0.50 (1.0)	30	5	3.0 IN./HR	A,B
	RAIN BIRD	RD-06-S-P45-F - R-VAN14, 6" POP-UP WITH CHECK VALVE ,PRESSURE REGULATOR, AND ADJUSTABLE ROTARY NOZZLE. FULL NOZZLE SHALL BE R-VAN14-360	0.32-1.27	45	8-14	0.61 IN./HR.	A
	RAIN BIRD	RD-06-S-P45-F - R-VAN18, 6" POP-UP WITH CHECK VALVE ,PRESSURE REGULATOR, AND ADJUSTABLE ROTARY NOZZLE. FULL NOZZLE SHALL BE R-VAN18-360	0.50-1.85	45	13-18	0.61 IN./HR.	A
	RAIN BIRD	RD-06-S-P45-F - R-VAN24, 6" POP-UP WITH CHECK VALVE, PRESSURE REGULATOR, AND ADJUSTABLE ROTARY NOZZLE. FULL NOZZLE SHALL BE R-VAN24-360	0.84-3.48	45	17-24	0.61 IN./HR.	A
	RAIN BIRD	RD-06-S-P30-F/5CST-B POP-UP STREAM BUBBLER HEAD - 2 STREAMS	0.50	30	3	3.0 IN./HR	A
	RAIN BIRD	RD-06-S-P30-F/5F-B POP-UP STREAM BUBBLER HEAD - 6 STREAMS. NOTE: CONTRACTOR SHALL USE SQ-F NOZZLE IN THE EVENT ANY SHRUBS DO NOT RECIEVE PROPER COVERAGE.	1.50	30	3	3.0 IN./HR	A
P	RAIN BIRD	XFCV-09-12-XX LANDSCAPE DRIP TUBING W/ .9 GPH EMITTERS 12" ON CENTER. DRIP TUBING HAS BUILT IN CHECK VALVES. DRIP TUBING SHALL BE INSTALLED AT GRADE UNDER MULCH, AND IN RINGS (1) RING PER 16" POT AND (2) RINGS PER 24" POT. ESTIMATE 40 LINEAR FEET OF DRIPLINE TUBING PER POT. (2) INSTALL TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER. INSTALL A DRIP INDICATOR IN THE (2) FURTHEST POTS ON OPPOSITE SIDES OF THE VALVE ZONE.	.60 (TOTALS VARY)	30	N/A	1.44 IN./HR.	C,D
	NIBCO	T-113 GATE VALVE, LINE SIZE, WITH BRONZE WHEEL HANDLE UP TO 2" INSTALLED IN A RECTANGULAR BOX					E
DM	WATER METER	EXISTING WATER METER FOR LANDSACPE ONLY REFER TO CIVIL PLANS FOR FINAL LOCATION.					N/A
BF	FEBCO/WATTS/ STRONG BOX	2" LF 825 YA LEAD FREE BACKFLOW PREVENTER WITH LF777-304SS#60 STRAINER AND V.I.T. STRONGBOX SBBC-22SS SMOOTH TOUCH STAINLESS STEEL ENCLOSURE ON QP-22BF QUICK PAD. (2)					F
MV FS	SUPERIOR/ CALSENSE	MASTER VALVE AND FLOW SENSOR. 3100150PRS NORMALLY OPEN 1.5" BRASS MASTER VALVE WITH PRESSURE REGULATOR AND CALSENSE FM-125B 1.25" BRASS FLOW SENSOR. INSTALL BOTH PER MANUFACTURER'S RECOMMENDATIONS AND WIRE DIRECTLY TO THE CONTROLLER.					G,H
A	CALSENSE	CS3-48-S/FM-125B/CS3-GR-BUNDLE-2/3100150PRS CONTROLLER. CONTACT JEFF DRONGOWSKI WITH CALSENSE FOR ORDERING (760) 580-9428. CS3000 SERIES 48 STATION CONTROLLER IN A STAINLESS STEEL TOP ENTRY ENCLOSURE W/ CELL CARD, ANTENNA. CONTRACTOR SHALL CONTACT CALSENSE TO INSURE PROPER COMMUNICATION WITH THE CITY'S CENTRAL CONTROL SYSTEM. CONTROLLER WILL COMMUNICATE WITH THE CITY'S CENTRAL CONTROL RAIN SENSING LOCATED OFF-SITE.					L
	RAIN BIRD	44LRC 1" QUICK COUPLER VALVE WITH LOCKING COVER, INSTALL WITHIN 10" ROUND VALVE BOX					I
	RAIN BIRD	1X0-EFB-CP-PRS-D, BRASS REMOTE CONTROL VALVE W/ PRESSURE REGULATOR, SEE PLAN FOR SIZE.					J
	RAIN BIRD	XCZ-PRB-100-COM (1",1 1/2") DRIP VALVE CONTROL ZONE ASSEMBLY, SIZE AS SHOWN					K
	AS APPROVED	PVC PIPE 3/4" - 2" SCH. 40 WITH SCH.40 FITTINGS (2) AS LATERAL LINES 12" BELOW GRADE, AND ABOVE THE FIELD SUB DRAINS.					M
	AS APPROVED	PVC PIPE 2" CL. 315 SOLVENT WELD WITH SCH.80 FITTINGS AS MAINLINES-24" DEPTH					M
	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, 2 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED. PLACE BELOW ALL PAVING, HARDSCAPE ETC. AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.					N
NO SYMBOL	AS APPROVED	DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS (U.L. APPROVED).					N/A
NO SYMBOL	NDS	PRO SERIES/PRO SERIES PLUS VALVE BOXES, SIZE PER EQUIPMENT DETAILS, LEGEND, AND SPECIFICATIONS. 10" ROUND SHALL BE MODEL 311BCBLK, 14" X 19" STANDARD RECT. SHALL BE MODEL 313BCBBLK (2) VALVE BOXES SHALL HAVE BLACK BODY AND BLACK LIDS. FOR USE IN NON-VEHICULAR TRAFFIC SITUATIONS ONLY. DO NOT INSTALL IN CONCRETE OR ASPHALT.					N/A

CONTROL VALVE SYMBOL

PRECIP / HZ — No. / Size — A / GPM
INDICATES VALVE NO.
INDICATES SQUARE FOOT AREA
INDICATES GPM
INDICATES VALVE SIZE

HYDROZONE	HYDROZONE DESCRIPTION
1	LOW WATER SHRUBS WITH BUBBLERS
2	HIGH WATER TURF WITH ROTARYS
3	MED WATER TREES WITH BUBBLERS
4	MED WATER POTS WITH DRIPLINE

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LICENSED LANDSCAPE ARCHITECT — LARRY P. RYAN LICENSE NO. 2502 — STATE OF CALIFORNIA
Signature
09/30/2023 Renewal Date
8/16/2023 Date

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
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2	ADDENDUM #2	08/16/2023	

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

IRRIGATION PLAN
COMMUNITY AQUATICS & SENIOR CENTER
L-3.02

	INITAL	DATE
DESIGNED BY	EC	11/14/2022
DRAWN BY	TP	06/20/2023
CHECKED BY	EC	06/30/2023

APPROVED BY:
DATE — DIRECTOR OF PUBLIC WORKS

SHT. 34 OF 176 DWG. NO. 5-2606

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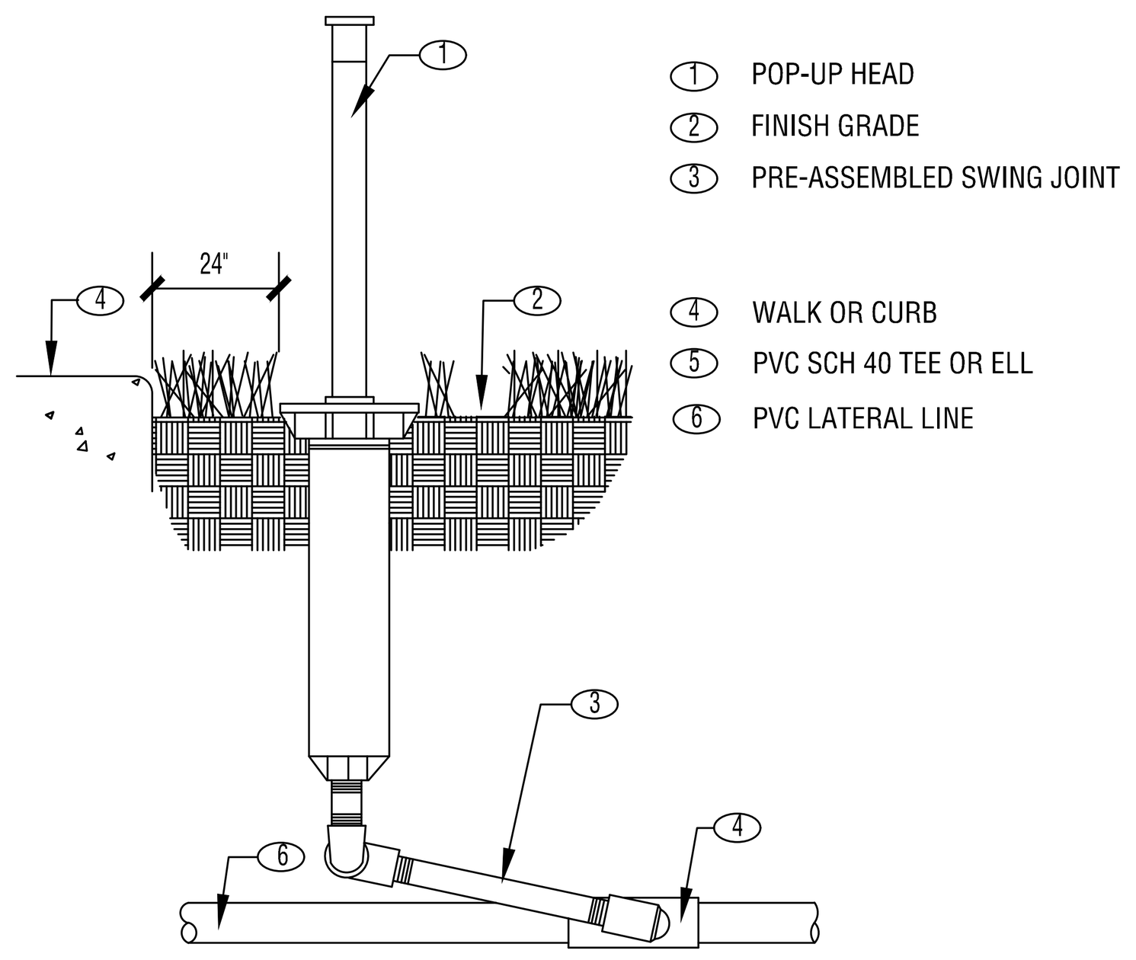
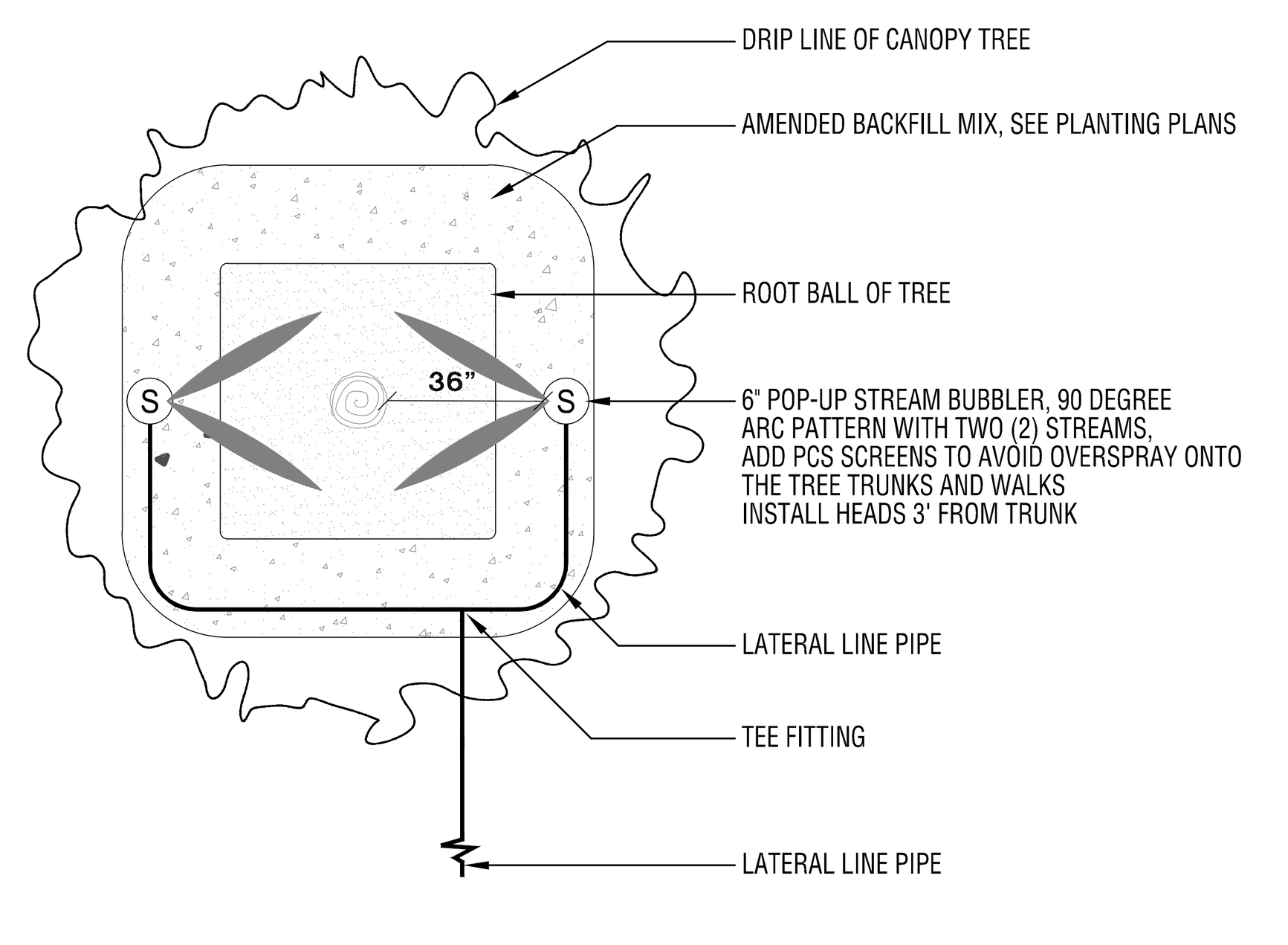
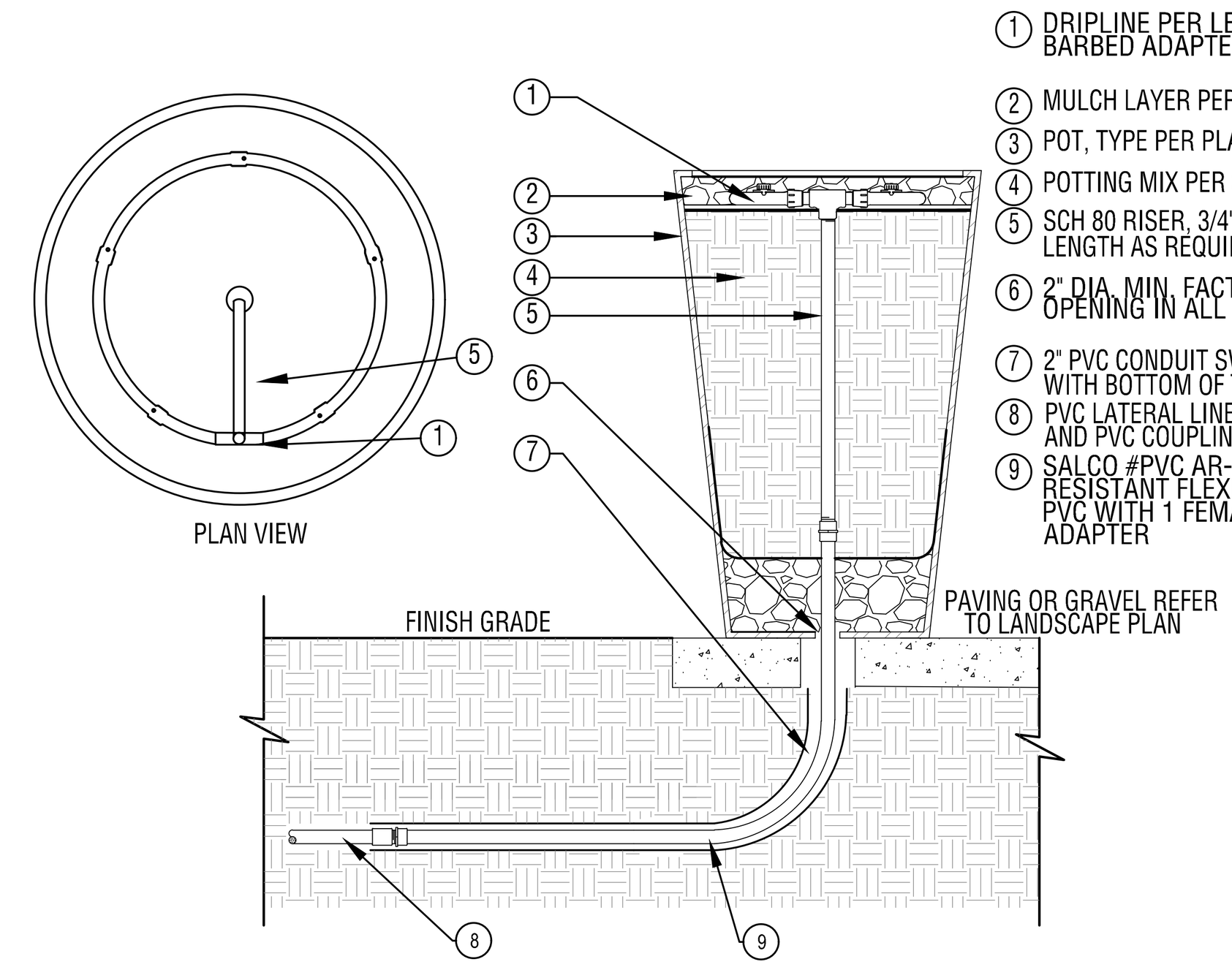


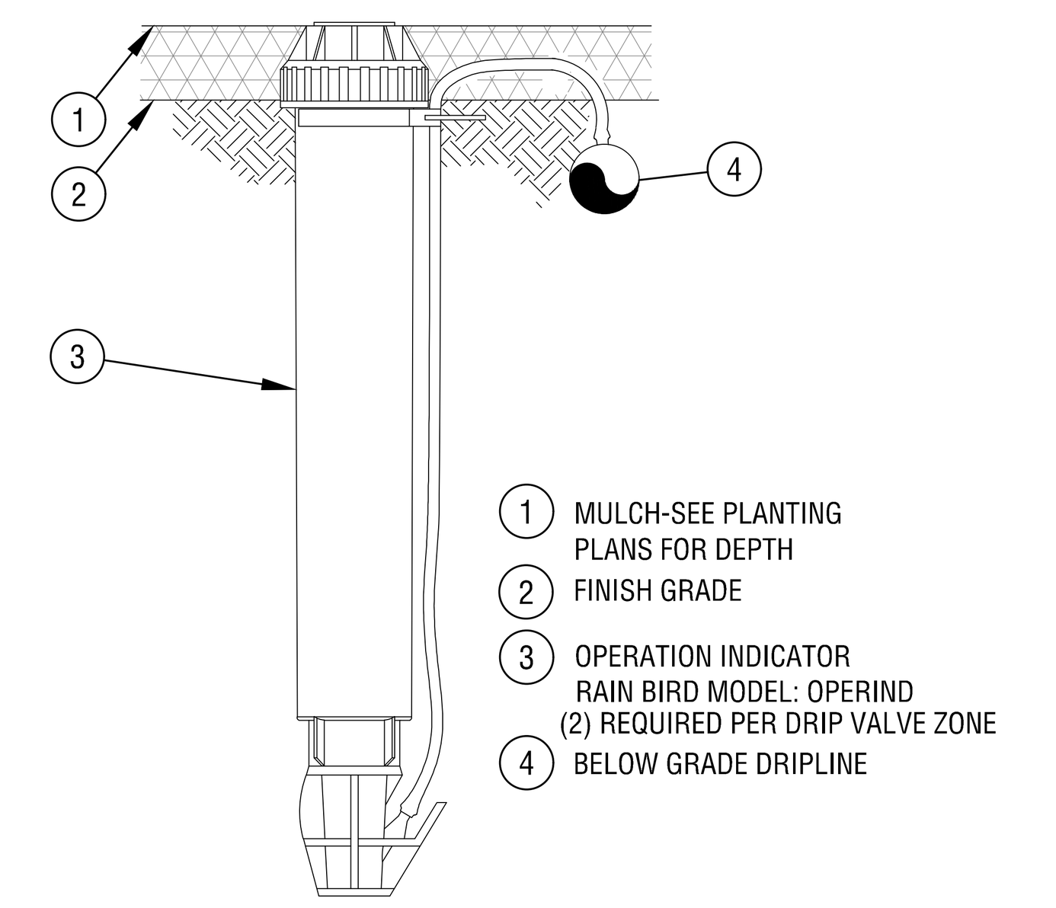
A POP UP SPRINKLER
N.T.S.



B TREE BUBBLER LAYOUT
N.T.S.

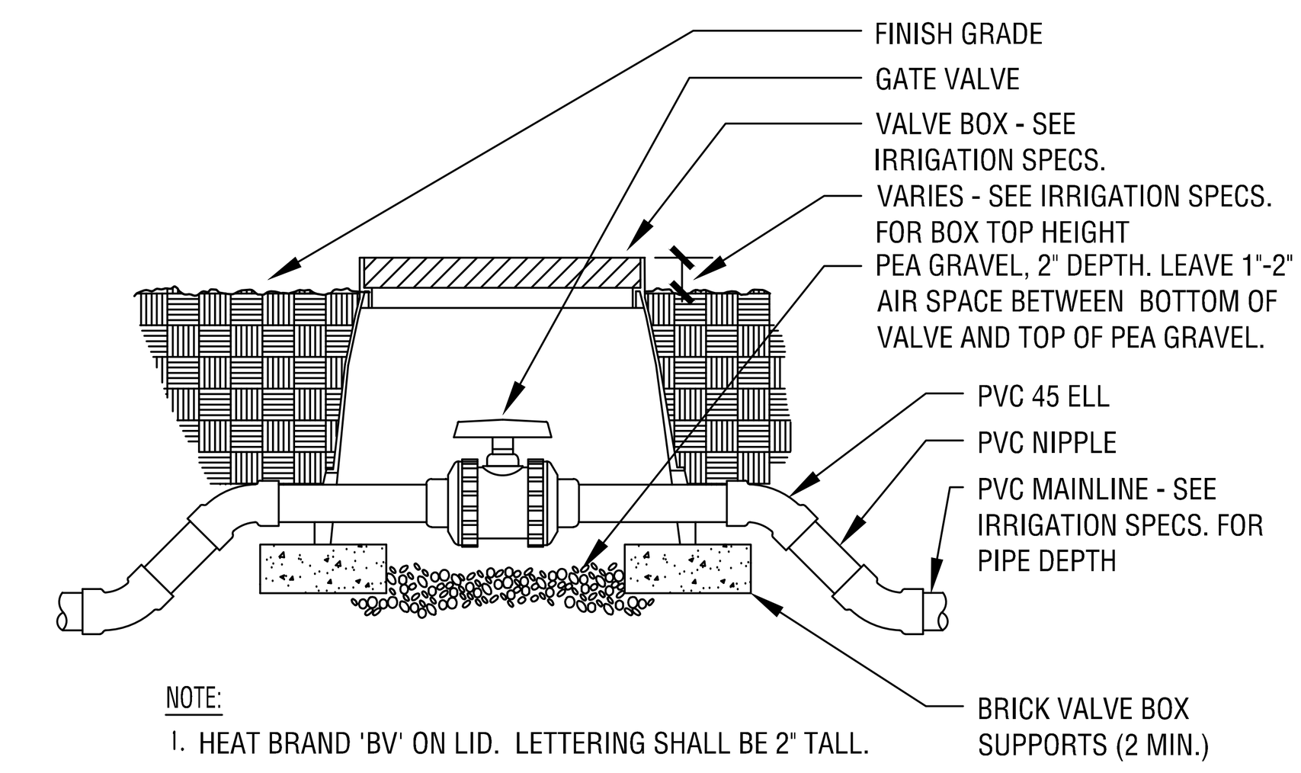


C DRIP IRRIGATION FOR POTS
N.T.S.



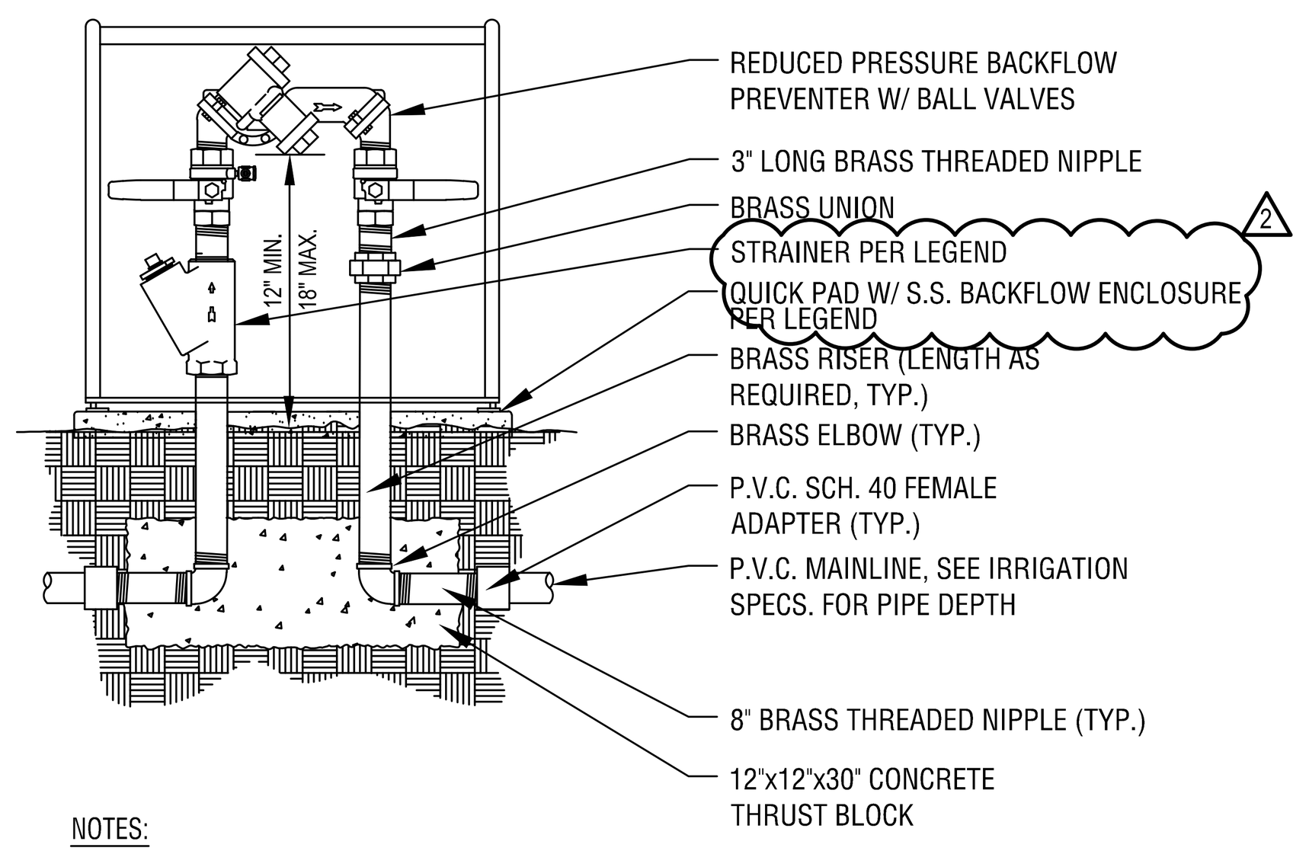
NOTE:
1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.
2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO ¼ PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

D DRIPLINE OPERATION INDICATOR
N.T.S.



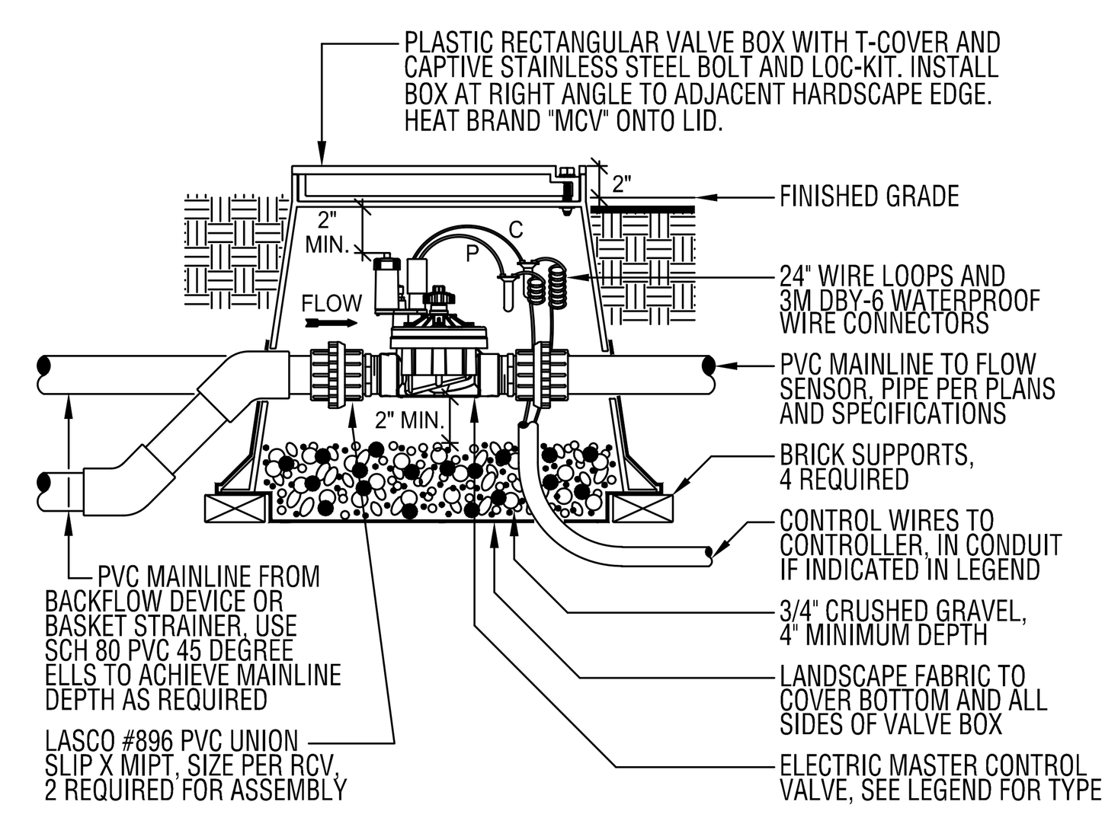
NOTE:
1. HEAT BRAND 'BV' ON LID. LETTERING SHALL BE 2" TALL.

E GATE VALVE
N.T.S.



NOTES:
1. ALL RISER, UNIONS, ELBOWS AND NIPPLES SHALL BE RED BRASS.
2. CLOSE NIPPLES SHALL NOT BE USED
3. EQUIPMENT TO BE INSTALLED A MIN. OF 12' FROM WALLS, BUILDINGS, ETC.
4. INSTALL AND TEST BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES & HEALTH DEPT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.

F REDUCED PRESSURE BACKFLOW
N.T.S.



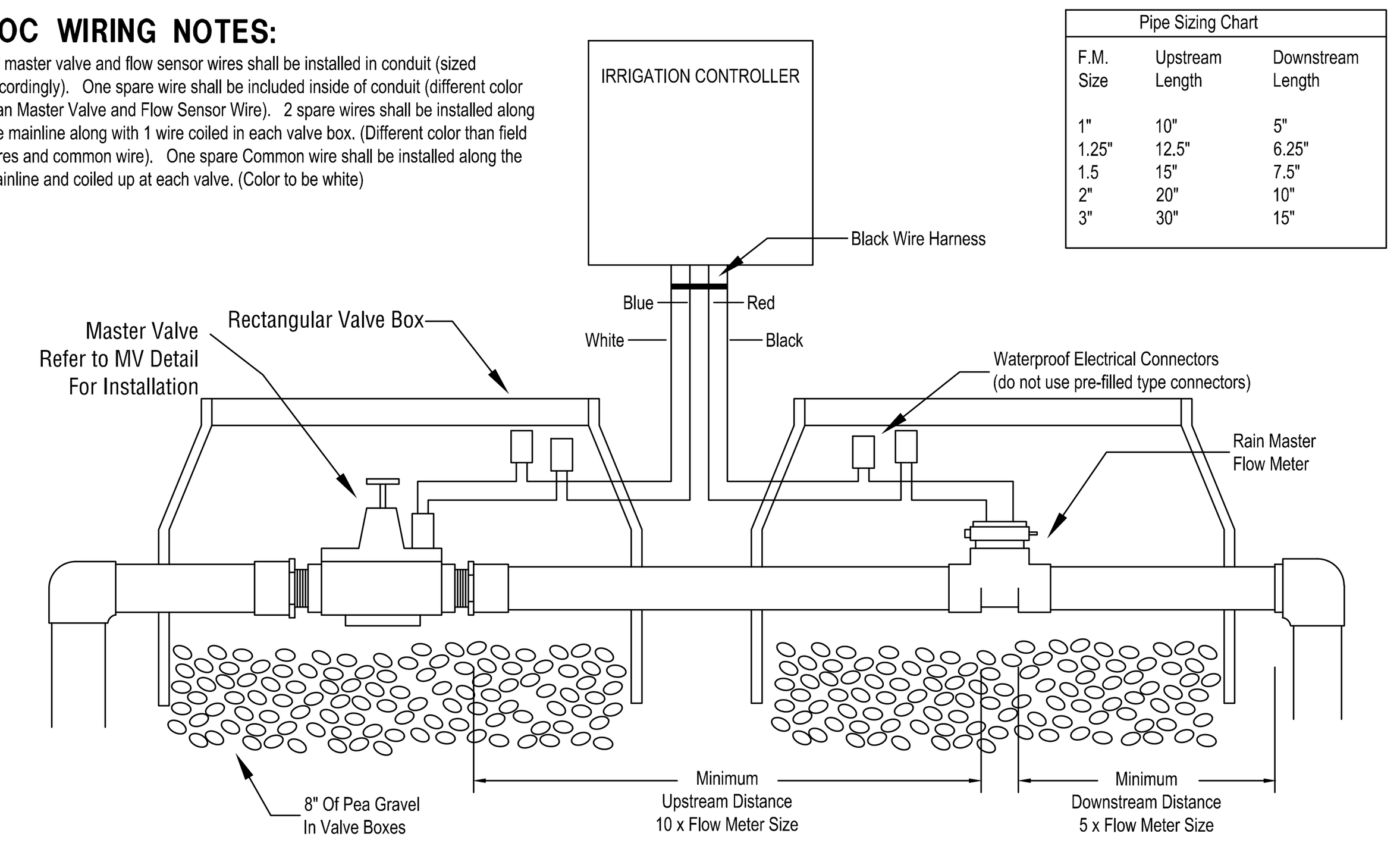
G MASTER VALVE
N.T.S.

POC WIRING NOTES:

All master valve and flow sensor wires shall be installed in conduit (sized accordingly). One spare wire shall be included inside of conduit (different color than Master Valve and Flow Sensor Wires). 2 spare wires shall be installed along the mainline along with 1 wire coiled in each valve box. (Different color than field wires and common wire). One spare Common wire shall be installed along the mainline and coiled up at each valve. (Color to be white)

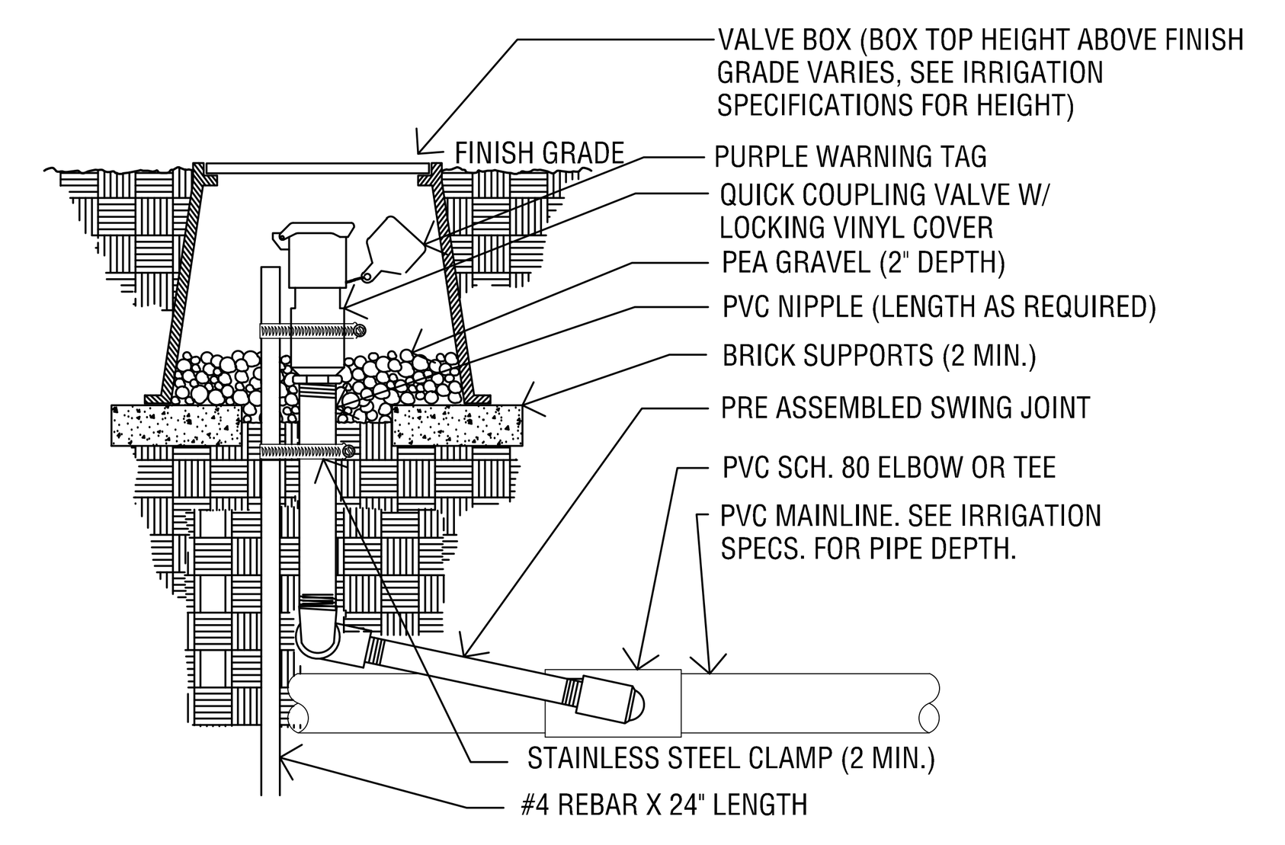
Pipe Sizing Chart

F.M. Size	Upstream Length	Downstream Length
1"	10"	5"
1.25"	12.5"	6.25"
1.5	15"	7.5"
2"	20"	10"
3"	30"	15"



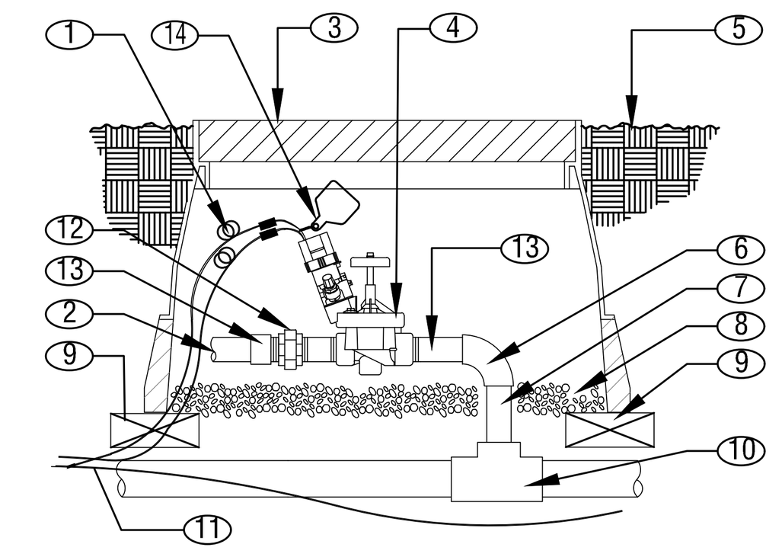
NOTE:
1. HEAT BRAND 'FS' ON LID. LETTERING SHALL BE 2" TALL.

H FLOW SENSOR INSTALLATION
N.T.S.



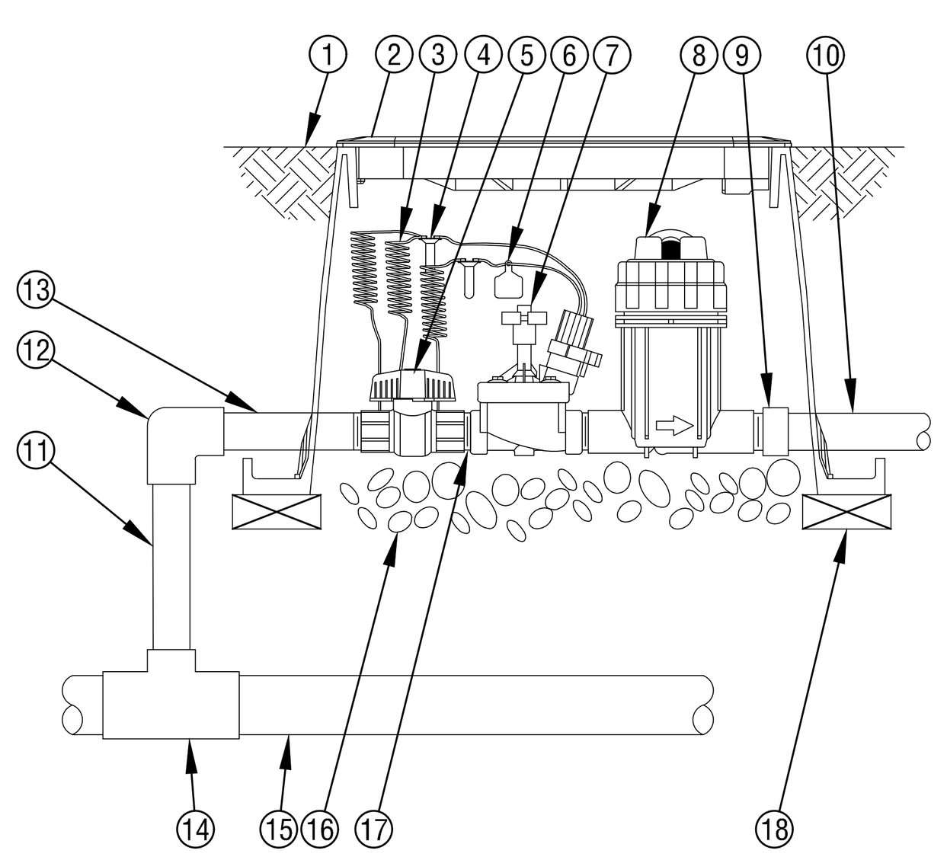
NOTES:
1. TEFLON TAPE ALL THREADS (TYP.)
2. INSTALL IN SHRUB AREAS ONLY AND A MINIMUM OF 12" FROM PLANTER EDGE

I QUICK COUPLER VALVE
N.T.S.



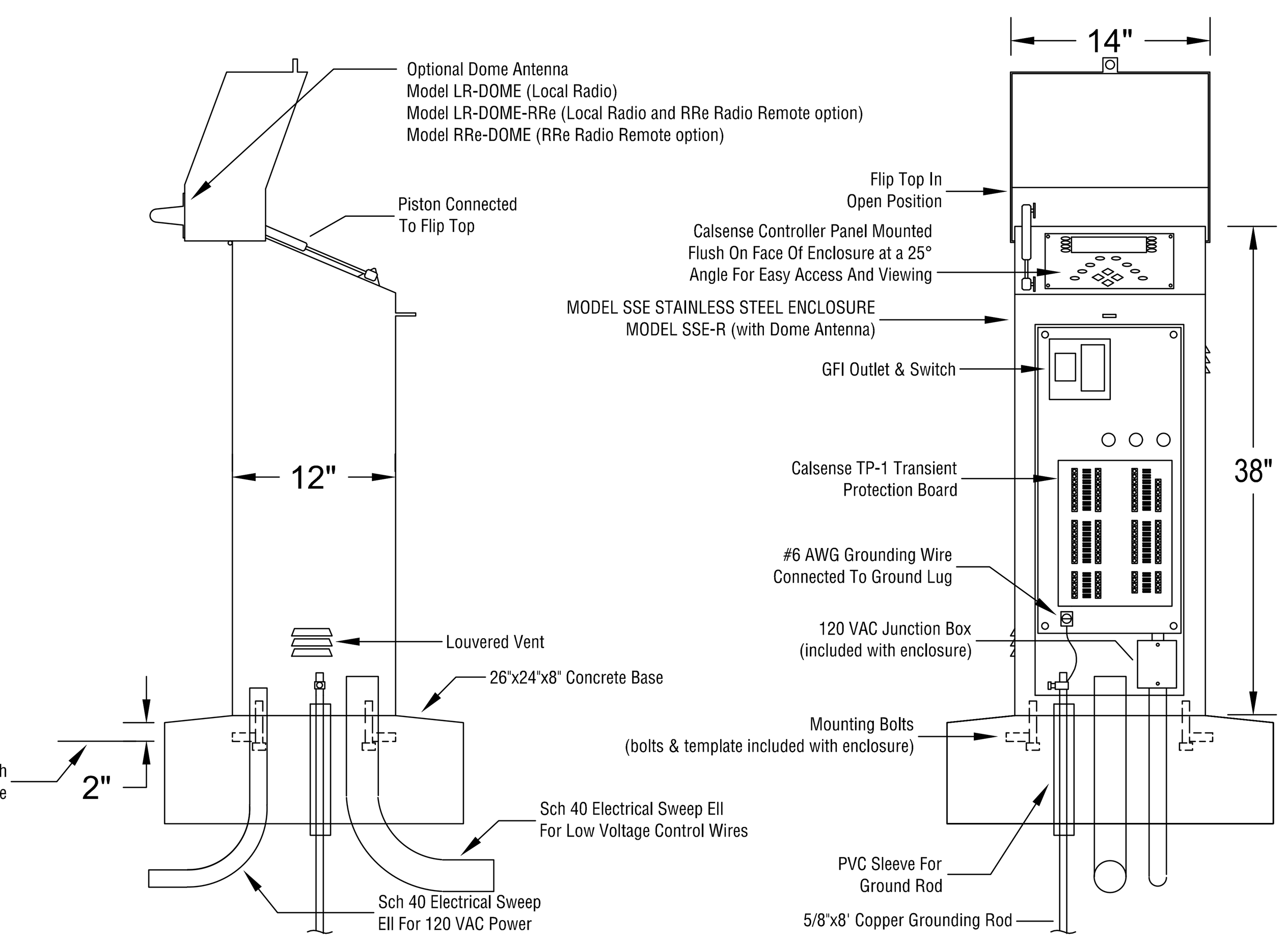
NOTES:
1. ALL WIRE TO BE INSTALLED PER LOCAL CODES.
2. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. WRAP AROUND 1/2" PIPE 15 TIMES - REMOVE PIPE.
3. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
4. INSTALL ONLY 1 VALVE PER VALVE BOX.
5. TEFLON TAPE ALL THREADS.
6. INSTALL IN SHRUB AREAS ONLY AND A MINIMUM OF 12" FROM PLANTER EDGE

J REMOTE CONTROL VALVE
N.T.S.

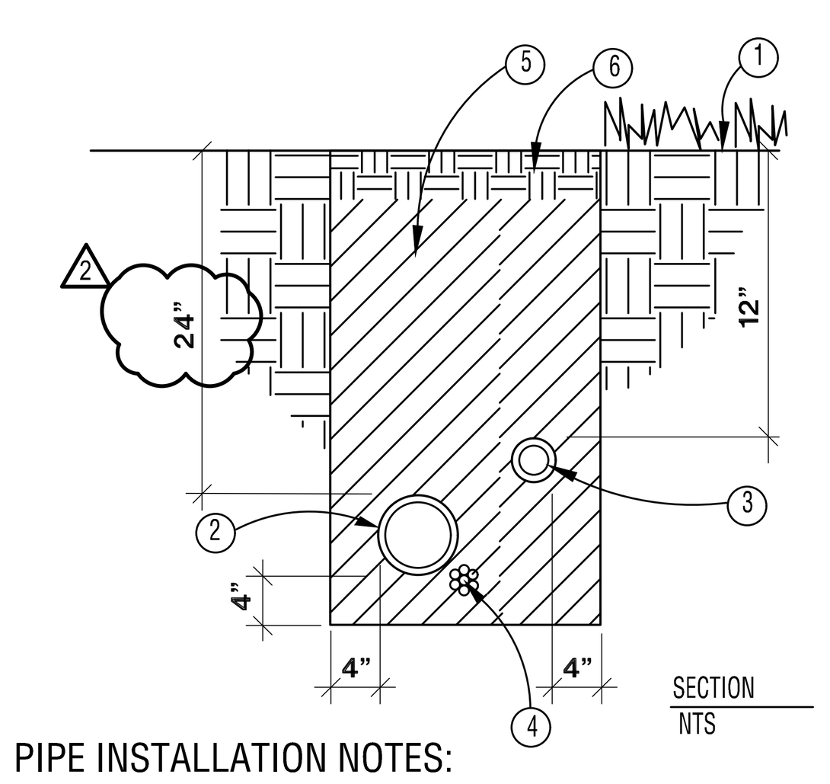


NOTE: INSTALL IN SHRUB AREAS ONLY AND A MINIMUM OF 12" FROM PLANTER EDGE

K DRIP CONTROL ZONE KIT
N.T.S.



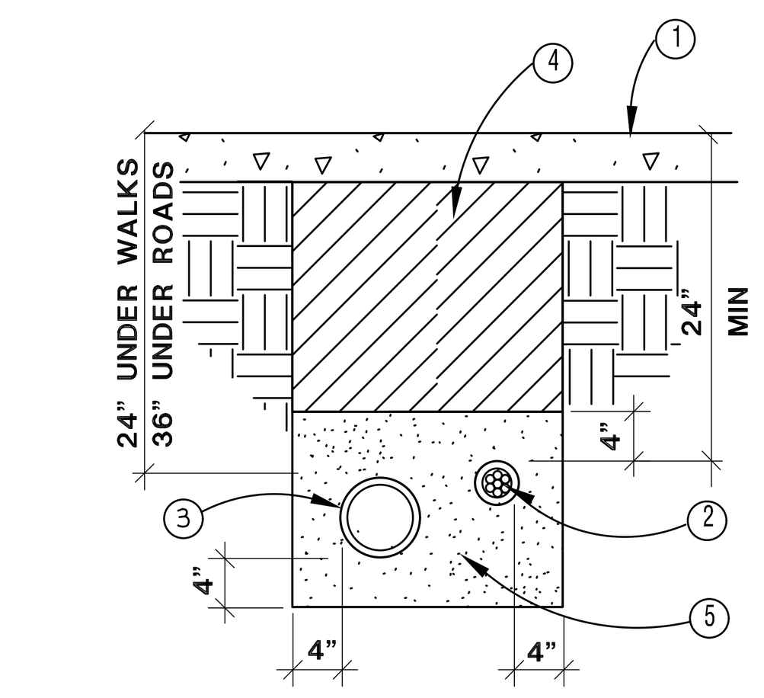
L TOP ENTRY CALSENSE CONTROLLER
N.T.S.



PIPE LEGEND:
1 FINISH GRADE
2 PVC MAINLINE
3 PVC LATERAL LINE
4 CONTROL WIRES OR COM. CABLE
5 FINE GRANULAR BACKFILL 1/2" MAX.
6 TOPSOIL

PIPE INSTALLATION NOTES:
1. TAPE AND BUNDLE 24 V. WIRES @ 10' INTERVALS.
2. MINIMUM DEPTH OF 24 V. WIRING SHALL BE 24" BELOW GRADE.
3. TRENCH WIDTH ALLOW 4' MIN. CLEARANCE BETWEEN PARALLEL PIPES.
4. SNAKE PIPES FROM SIDE TO SIDE WITHIN TRENCH TO ALLOW FOR MOVEMENT.
5. TIE A 20' LOOP IN ALL WIRING AT CHANGES OF DIRECTION. UNTIE PRIOR TO BACKFILLING TRENCHES.
6. PROVIDE THRUST BLOCKS PER APWA STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION DETAILS

M PIPE INSTALLATION
N.T.S.



SLEEVE LEGEND:
1 PAVING
2 CONTROL WIRES OR COM. CABLE IN CONDUIT
3 SLEEVE FOR MAINLINE AND/OR LATERAL LINE
4 FINE GRANULAR BACKFILL 1/2" MAX.
5 SAND

SLEEVE NOTES:
1. IRRIGATION PIPES UNDER ROADWAYS SHALL BE INSTALLED 36" DEEP, SLEEVED AND IDENTIFIED WITH MARKING TAPE INSTALLED 12" FROM THE SURFACE, IDENTIFYING TYPE OF LINE WITH APWA STANDARD "CAUTION WATERLINE BURIED BELOW" IN BLUE OR " CAUTION RECYCLED WATERLINE BURIED BELOW" IN PURPLE. SLEEVES SHALL BE SCHEDULE 40 PVC, TWO TIMES THE DIAMETER OF THE PIPE BEING SLEEVED.

N SLEEVE INSTALLATION
N.T.S.

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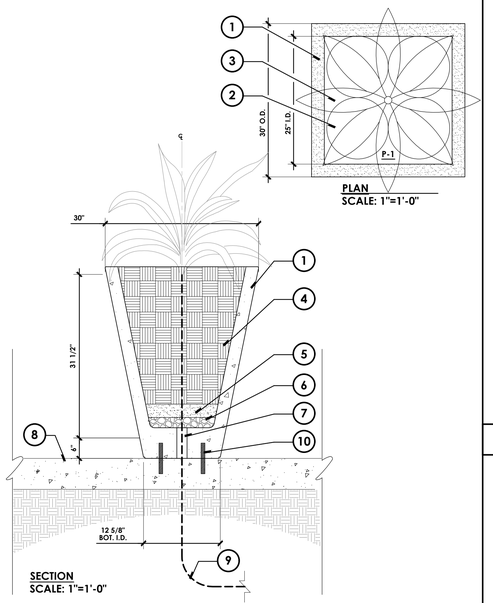
REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

	INITIAL	DATE
DESIGNED BY	EC	11/14/2022
DRAWN BY	TP	06/30/2023
CHECKED BY	EC	06/30/2023

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING
IRRIGATION DETAILS
COMMUNITY AQUATICS & SENIOR CENTER
L-4.01
APPROVED BY:
DATE | DIRECTOR OF PUBLIC WORKS
SHT. 35 OF 176 DWG. NO. 5-2606



LEGEND:

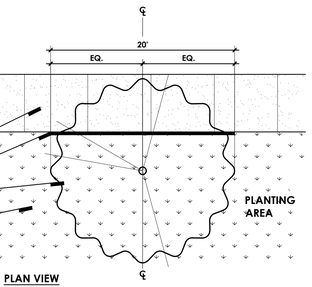
1. PRECAST SQUARE WEDGE PLANTER. MODEL: QS-WE3037P BY QCP CORP. COLOR: FRENCH GRAY. CONTACT: BRIAN GOTZ AT (714) 309-6564. INSTALL PER DETAIL 5, SHEET L-2.05.
2. EDGE PLANTS - SEE PLANTING LEGEND AND PLAN FOR TYPE AND LOCATION.
3. CENTER PLANT - SEE PLANTING LEGEND AND PLAN FOR TYPE AND LOCATION.
4. PLANTER BACK FILL MIX - SEE PRECAST POT BACKFILL NOTES THIS DETAIL.
5. PROVIDE 4" DEEP WASHED PLASTER SAND, TYP.
6. PROVIDE 3" DEEP PEA GRAVEL WRAPPED WITH 140ONC MIRAFI FILTER FILTER FABRIC OR APPROVED EQUAL.
7. STANDARD 2" DIAMETER DRAIN HOLE (PER MANUFACTURER).
8. ADJACENT HARDSCAPE - SEE CONSTRUCTION PLAN.
9. IRRIGATION LATERAL LINE. SEE IRRIGATION PLANS.
10. ANCHOR PER MANUFACTURERS LATEST RECOMMENDATIONS AND SPECIFICATIONS. SEE DETAIL 5, SHEET L-2.05.

NOTES

A. PLANTER BACK FILL MIX TO BE AGUINAGA TRADITIONAL CONTAINER MIX FOR BIDDING PURPOSES ONLY. FINAL SELECTION OF POT PLANTING MIX TO BE DETERMINED WITH SUBMITTAL

2

8 POT PLANTING



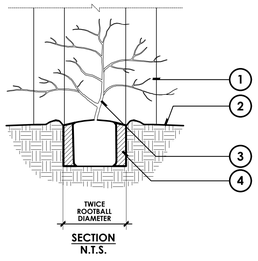
LEGEND

1. DEEP ROOT BARRIER. ALL TREES PLANTED WITHIN 10' OF ANY HARDSCAPE ELEMENT (SIDEWALKS, WALLS, D.G., PAVERS, CURBS, ETC.) SHALL RECEIVE ROOT BARRIERS BY DEEP ROOT CORP. MODEL #UB 24-2. CONTACT INFO: (415) 781-9700. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATIONS. 2
2. ADJACENT HARDSCAPE. SEE CIVIL ENGINEER'S PLANS.
3. TREE.
4. ADJACENT LANDSCAPE.

NOTES

A. ALL TREES WITHIN 10' OF HARDSCAPE TO HAVE DEEP ROOT BARRIERS INSTALLED AT THE TIME OF PLANTING.

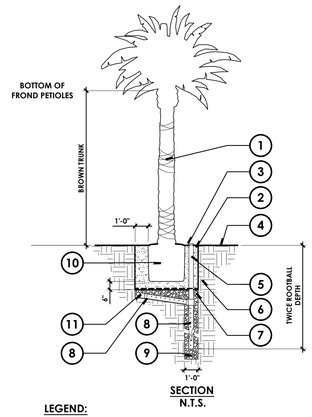
6 ROOT BARRIER



LEGEND:

1. DECORATIVE VINE TRELLIS. SEE CONSTRUCTION PLAN, SHEET L-1.01 FOR LOCATIONS AND DETAIL 2, SHEET L-2.06
2. FINISH GRADE
3. ANGLE PLANT BACK TOWARD TRELLIS AND REMOVE NURSERY STAKE.
4. REFER TO SHRUB PLANTING DETAIL, THIS SHEET FOR PLANTING REQUIREMENTS.

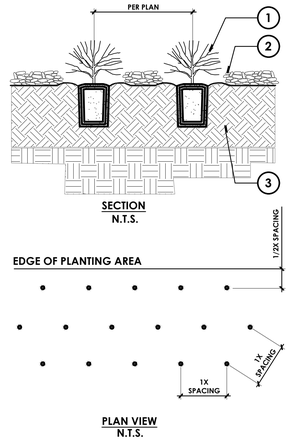
7 VINE PLANTING



LEGEND:

1. TRUNK - SIZE PER PLANT LEGEND.
2. AMENDED SAND BACKFILL PER SPECIFICATIONS.
3. PVC CAP - BLACK, REMOVABLE FOR OBSERVATION.
4. FINISH GRADE.
5. 4" DIA. PVC PIPE.
6. NATIVE SOIL.
7. FILTER FABRIC, CONTINUOUS AT BOTTOM OF PLANT PIT WITH A MIN. 6" WRAP-UP SIDES.
8. 4" DIA. PVC PERFORATED PIPE. GRADE AND SLOPE FOR DRAINAGE.
9. GRAVEL SUMP BACKFILL, 3/4" CRUSHED AGGREGATE.
10. PALM ROOTBALL, MIN. SIZE PER `PALM TREE EXPERT' - REFER TO SPECIFICATIONS.
11. PVC END CAP. SLOPE TO DRAIN, MIN. 2% .

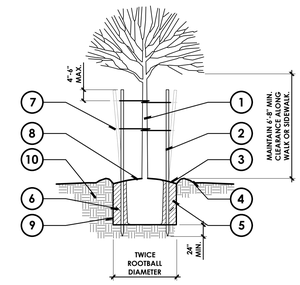
4 PALM TREE PLANTING



LEGEND:

1. GROUNDCOVER FROM FLAT, CUTTING, LINER, OR PLANTING CONTAINER.
2. 3" LAYER OF MULCH (DEPTH PER SPECIFICATIONS).
3. PLANTING BED DEPTH PER SPECIFICATIONS.

5 GROUNDCOVER PLANTING



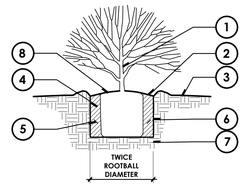
LEGEND:

1. TREE - CENTER IN PIT.
2. LODGE POLE TREE STAKES PER SPECIFICATIONS (2 PER TREE). USE (10 FT LENGTH) STAKES AT ALL 15 GAL. AND 24" BOX TREES, TYP. KEEP CLEAR OF ROOTBALL. REMOVE TOP OF STAKE TO 4" BELOW LOWEST BRANCH. SET STAKES PARALLEL TO PREVAILING WINDS.
3. 2" WATER BASIN.
4. FINISH GRADE.
5. AMENDED BACKFILL - REFER TO SPECIFICATIONS.
6. PLANT TABLET - REFER TO SPECIFICATIONS FOR QUANTITY AND PLACEMENT.
7. TREE TIES - 2 V.I.T. TWIST BRACE (TB24/TB36) BY STRONGBOX, (800) 729-1314. INSTALL USING 2-1/2" GALV. SCREWS.
8. SET TOP OF ROOTBALL 2" ABOVE SURROUNDING GRADE AND SLOPE FOR DRAINAGE.
9. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
10. NATIVE UNDISTURBED SOIL.

NOTES:

A. LODGE POLE TREE STAKES SHALL BE PLUMB OR ANGLED SLIGHTLY OUTWARD AFTER TREE TIES ARE IN PLACE, AS SHOWN.
B. SEE ROOT BARRIER DETAIL 6, THIS SHEET, FOR ALL TREES PLANTED WITHIN 10' OF ANY HARDSCAPE.

2 TREE PLANTING



LEGEND:

1. SHRUB - CENTER IN PIT.
2. 2" DEEP WATERING BASIN.
3. FINISH GRADE.
4. AMENDED BACKFILL - REFER TO SPECIFICATIONS.
5. PLANTING TABLETS - REFER TO SPECIFICATIONS FOR QUANTITY AND PLACEMENT.
6. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
7. NATIVE UNDISTURBED SOIL.
8. SET TOP OF ROOTBALL 2" ABOVE SURROUNDING GRADE AND SLOPE FOR DRAINAGE.

3 SHRUB PLANTING

PLANTING NOTES

1. ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING & UNIFORM FORM.
2. ALL LANDSCAPED AREAS TO RECEIVE AUTOMATED IRRIGATION.
3. REFER TO PLANTING SPECIFICATIONS FOR SOIL PREPARATION, FERTILIZATION, MULCHING, AND OTHER ADDITIONAL PLANTING INFORMATION.
4. ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT/DISTRICT PRIOR TO INSTALLATION.
5. FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT/DISTRICT.
6. CONTRACTOR SHALL NOTIFY THE COUNTY PROJECT MANAGER/COUNTY INSPECTOR 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
7. SEE DETAILS AND SPECIFICATIONS FOR STAKING METHOD, PLANT PIT DIMENSIONS AND BACKFILL REQUIREMENTS.
8. IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE THE MATERIALS.
9. CONTRACTOR SHALL SUBMIT FOR APPROVAL PHOTOS OF ALL BOXED TREES. PHOTOS SHOULD INCLUDE A PERSON FOR SCALE PURPOSES. ALL BOX TREES SHALL BE OF QUALITY AS DETERMINED BY THE OWNER/LANDSCAPE ARCHITECT. MATERIAL FOUND UNSUITABLE FOR THE DESIGN OR SPECIFICATION INTENT WILL BE REJECTED. THE CONTRACTOR SHALL ALSO SUBMIT WRITTEN SPECIFICATIONS FOR ALL PLANT MATERIAL SPECIFIED ON THIS PROJECT PRIOR TO PLACING ORDER. FAILURE TO DO SO COULD RESULT IN THE REPLACEMENT (AT CONTRACTOR'S EXPENSE) OF ANY PLANTS DETERMINED UNACCEPTABLE BY LANDSCAPE ARCHITECT/DISTRICT.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH PLANT MATERIALS FREE OF PESTS OR PLANT DISEASES. PRE-SELECTED OR 'TAGGED' MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND CERTIFIED PEST AND DISEASE FREE. IT IS THE CONTRACTOR'S OBLIGATION TO WARRANTY ALL PLANT MATERIALS PER THE SPECIFICATIONS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIM/HERSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPELINES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES. CONTRACTOR SHOULD CALL UNDERGROUND SERVICE ALERT (2) FULL WORKING DAYS BEFORE COMMENCING ANY DIGGING. PHONE 811 FOR U.S.A
12. CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE COUNTY PROJECT MANAGER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AND CONSTRUCTION MANAGER AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
14. LANDSCAPE CONTRACTOR TO RECEIVE SITE GRADED TO +0.10. CONTRACTOR SHALL OBTAIN LETTER OF GRADE CERTIFICATION FROM OWNER PRIOR TO PROJECT EXECUTION.
15. PLANT MATERIAL QUANTITIES ARE GIVEN FOR CONVENIENCE ONLY. PLANT SYMBOLS AND SPECIFIED SPACING SHALL TAKE PRECEDENCE. CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES PER PLAN.
16. CONTRACTOR TO ASSURE POSITIVE DRAINAGE IN ALL PLANTING AREAS - 2% MINIMUM ALLOWED.
17. AFTER ROUGH GRADES HAVE BEEN ESTABLISHED IN PLANTING AREAS, CONTRACTOR SHALL HAVE SOIL SAMPLES TAKEN AT THE LOCATIONS INDICATED BY ◈ DESIGNATION (3 TOTAL). CONTRACTOR SHALL INFORM SOIL TESTING LAB OF THE PLANT MATERIAL SPECIFIED IN SOIL TESTING LOCATIONS (NATIVE TREES & SHRUBS, ORNAMENTAL TREES & SHRUBS, PALM TREES, BERMUDA SOD, ETC.) SO THAT APPROPRIATE PLANTING RECOMMENDATIONS CAN BE GIVEN. THESE SAMPLES SHALL BE TESTED BY WAYPOINT ANALYTICAL, OR APPROVED EQUAL. CONTACT: JOE KIEFER (714) 282-8777 FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY TEST AND SOIL PREPARATION RECOMMENDATIONS. TWO SAMPLES SHALL BE TAKEN AT EACH LOCATION: (1) GROUND LEVEL TO 10" DEEP, (2) 24" TO 36" DEEP. EACH SAMPLE SHALL CONTAIN APPROXIMATELY 1 QUART OF SOIL AND BE LABELED PER LOCATION AND DEPTH. CONTRACTOR SHALL INSTALL SOIL PREPARATION AND BACKFILL MIX TO CONFORM TO THESE RECOMMENDATIONS ONLY UPON RECEIPT OF WRITTEN CHANGE ORDER FROM OWNER. SUBMIT SOIL REPORT TO CITY'S ENGINEER PRIOR TO PLANTING.
18. GROUND COVERS AND SHRUBS SHALL BE TRIANGULARLY SPACED, UNLESS OTHERWISE INDICATED.
19. ALL SOIL FOR LANDSCAPE PLANTING AREAS OR BERMS SHALL BE OBTAINED FROM ON- SITE EXCAVATIONS. SHOULD IMPORT SOIL BE NECESSARY, INDICATE SOURCE LOCATION. SEE PROJECT GEOTECHNICAL REPORT. SOIL SHALL BE SANDY LOAM CONTAINING NO TOXIC CHEMICALS OR ELEMENTS WHICH MAY INHIBIT OR RETARD NORMAL PLANT GROWTH. SOIL TESTING RESULTS SHALL BE SUBMITTED AND APPROVED PRIOR TO SOIL IMPLEMENTATION.
20. ALL LANDSCAPED AREAS (EXCLUDING TURF) SHALL BE MULCHED WITH A 3" DEEP LAYER OF MULCH, PER SPECIFICATIONS, AT THE CONCLUSION OF PLANTING OPERATIONS.
21. AT EDGES OF PLANTING AREAS, THE CENTER LINE OF THE LAST ROW OF SHRUBS AND/OR GROUND COVER SHALL BE LOCATED NO FARTHER FROM OR CLOSER TO THE EDGE THAN ONE-HALF THE SPECIFIED ON-CENTER SPACING.
22. REMOVE ALL NURSERY STAKES AND ESPALIER RACKS IMMEDIATELY AFTER INSTALLATION, UPON PROVIDING SUPPORT PER DETAILS, THIS SHEET.
23. ROOT BARRIER NOTE: ALL TREES PLANTED WITHIN 8' OF ANY HARDSCAPE ELEMENT (SIDEWALKS, WALLS, D.G., PAVERS, CURBS, ETC.) SHALL RECEIVE ROOT BARRIER BY "DEEP ROOT CORP.". (714) 898-0863. NUMBER OF PANELS PER TREE PER MANUFACTURER'S RECOMMENDATION. SEE SPECIFICATIONS.
24. ALL MULCH AREAS ON SLOPES TO RECEIVE JUTE NETTING. SEE SPECIFICATIONS.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROTECTION OF ALL EXISTING SHRUB AND TURF AREAS TO REMAIN DURING CONSTRUCTION. DAMAGED SHRUB AND TURF AREAS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. TURF AREAS WITHIN EXISTING IRRIGATION RENOVATION/RETROFIT ZONES AS INDICATED ON THE PROJECT IRRIGATION PLANS SHALL BE MAINTAINED AND REPAIRED IF NEEDED WITH NEW SOD.
26. PER PROJECT GEOTECH REPORT: WHERE NEW TREES OR LARGE LARGE SHRUBS ARE TO BE LOCATED IN CLOSE PROXIMITY OF NEW CONCRETE FLATWORK, RIGID MOISTURE / ROOT BARRIERS SHOULD BE PLACED AROUND THE PERIMETER OF THE FLATWORK TO AT LEAST 2 FEET IN DEPTH IN ORDER TO PROTECT THE FLATWORK FROM POTENTIAL ROOT AND MOISTURE DAMAGE. EXISTING MATURE TREES NEED FLATWORK SHOULD ALSO INCLUDE RIGID MOISTURE / ROOT BARRIERS PLACED AT LEAST 2 FEET IN DEPTH BELOW THE TOP OF THE FLATWORK. SEE PLANS AND SPECS FOR LOCATIONS.

1 PLANTING NOTES

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF 162 ND STREET (FORMERLY MARKET STREET) BEING N 89° 55' 30" E SHOWN ON TRACT NO. 10901, M.B. 254/31-32

BENCHMARK:

THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508

CONSULTANT:

PREPARED UNDER THE SUPERVISION OF:

RJM DESIGN GROUP
31591 Camino Capistrano
San Juan Capistrano, CA 92675
www.RJMdesigngroup.com
(949) 493-2690 fax
(949) 493-2600 phone

REGISTERED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — 04/30/2023 RENEWAL DATE

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

PLANTING DETAILS

COMMUNITY AQUATICS & SENIOR CENTER

L-6.01

	INITAL	DATE
DESIGNED BY	EC	11/14/2022
DRAWN BY	TP	04/20/2023
CHECKED BY	EC	04/20/2023

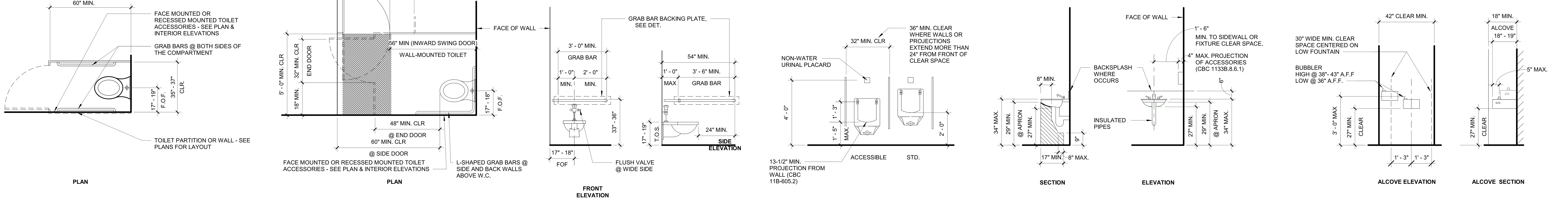
APPROVED BY:

DATE DIRECTOR OF PUBLIC WORKS

SHT. 38 OF 176 DWG. NO. 5-2606

LAVATORY NOTES:
1. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE LAVATORY.

2. ALL WATER & DRAIN PIPES ACCESSIBLE UNDER LAVATORIES MUST BE INSULATED OR OTHERWISE COVERED.



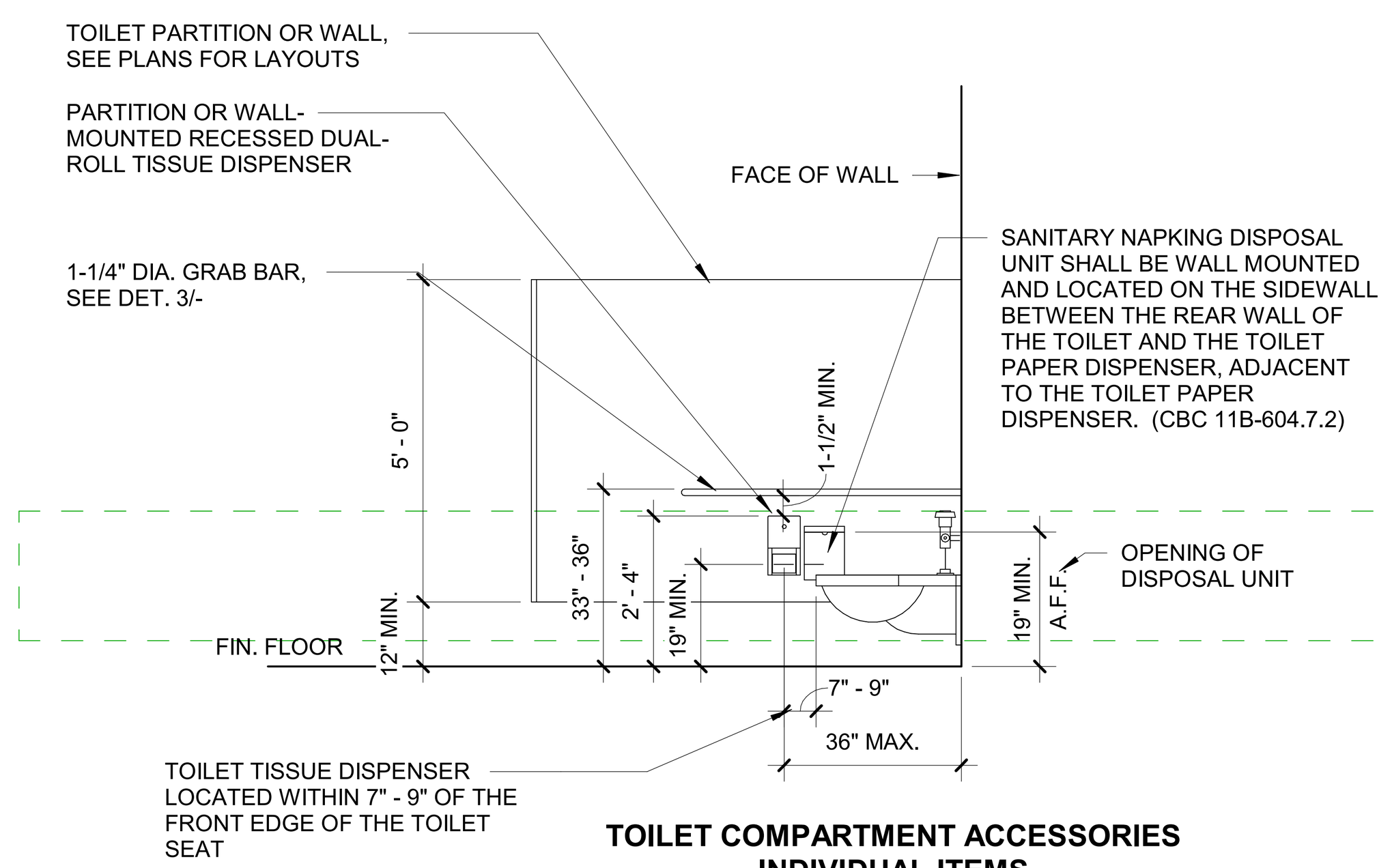
AMBULATORY WATER CLOSET

ACCESSIBLE WATER CLOSET

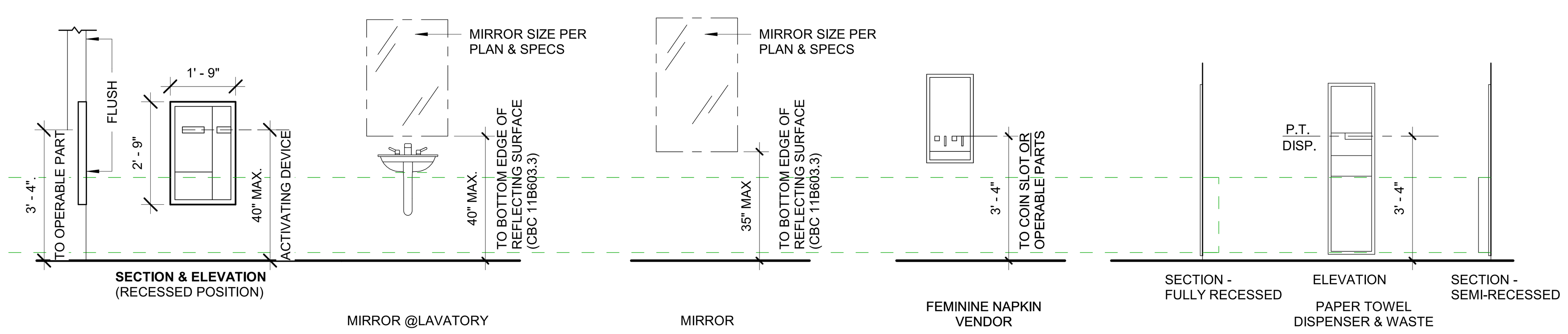
URINAL

LAVATORY

DRINKING FOUNTAIN



TOILET COMPARTMENT ACCESSORIES
INDIVIDUAL ITEMS

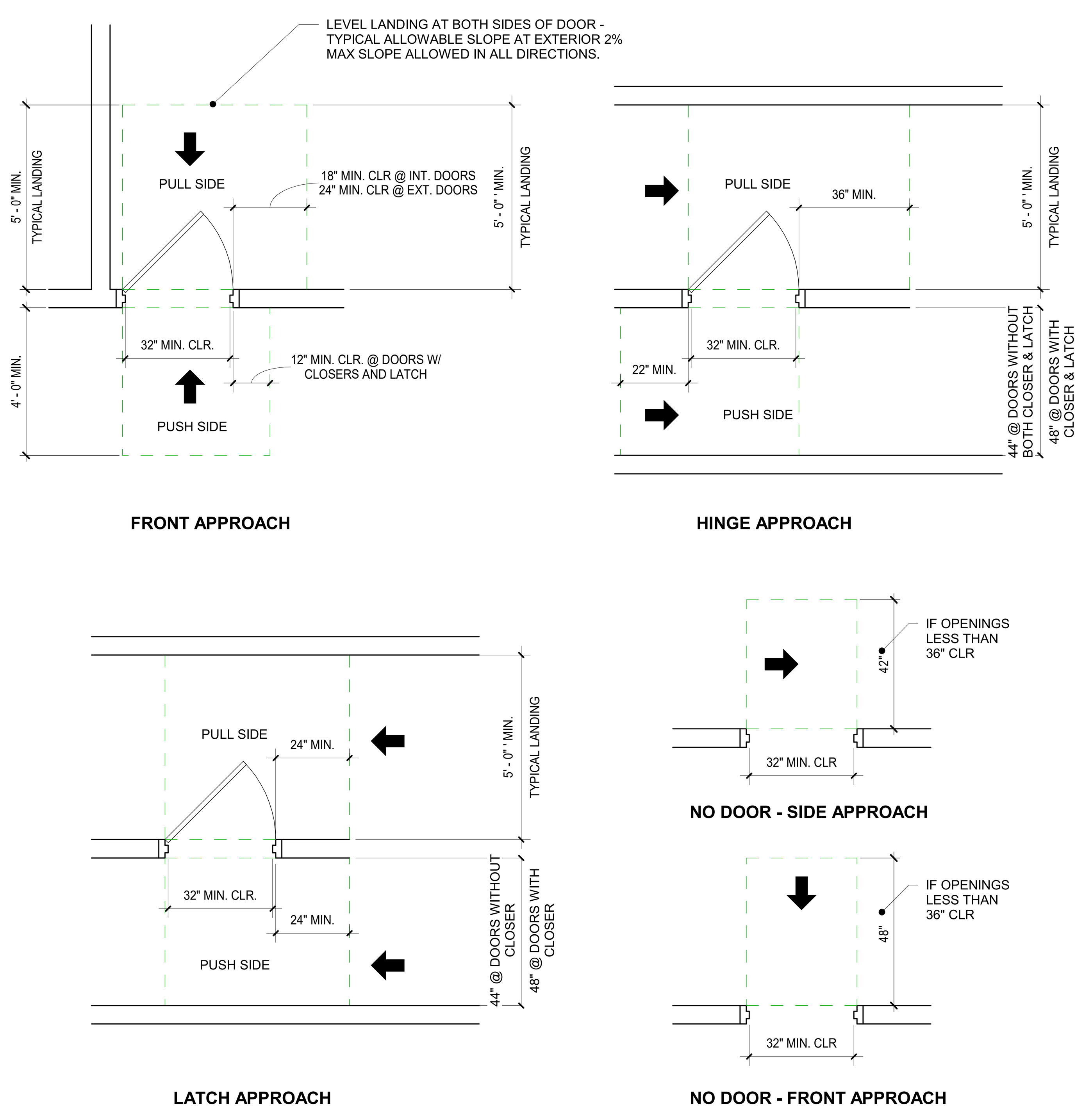


TOILET ROOM ACCESSORY MOUNTING HEIGHTS

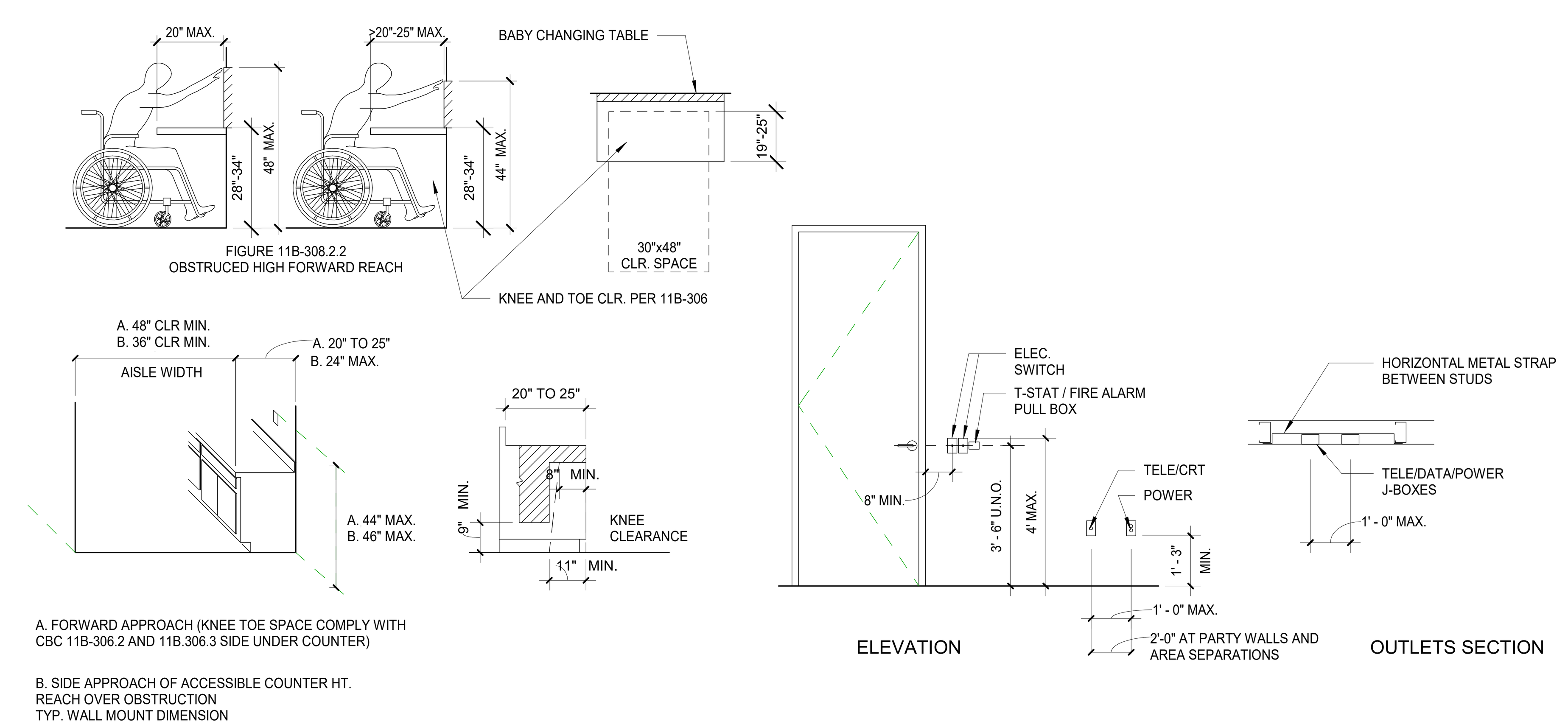
ACCESSIBLE TOILET COMPARTMENTS:

1. SEE TOILET ROOM FLOOR PLAN FOR ACCESSIBLE TOILET LOCATION.
2. VERIFY TOILET ACCESSORIES & TYPE OF PARTITION IN SPECS.
3. PROVIDE BACKING IN WALL & TOILET PARTITION FOR GRAB BAR ANCHORAGE.
4. COMPARTMENT DOOR AT ACCESSIBLE WATER CLOSET COMPARTMENT TO PROVIDE 18" STRIKE-SIDE CLEARANCE.
5. NOT USED.
6. OPENING HARDWARE IS CENTERED BETWEEN 34" AND 44" ABOVE FINISH FLOOR (CBC 11B-404.2.7).
7. TOILET PAPER DISPENSER SHALL PERMIT CONTINUOUS PAPER FLOW AND SHALL NOT CONTROL DELIVERY (CBC 11B-604.9.6).
8. ACCESSIBLE COMPARTMENT DOOR EQUIPPED WITH AN AUTOMATIC CLOSING DEVICES (3 SECONDS MIN. SWEEP TIME FROM OPEN POSITION OF 70 DEGREES TO A POINT 3" FROM THE LATCH).
9. SEE ACCESSIBILITY NOTES FOR ADDITIONAL REQUIREMENTS.
10. FLUSH CONTROL SHALL BE ON WIDE SIDE OF TOILET COMPARTMENT AT ALL ACCESSIBLE STALLS, TYP.
11. WHERE ONLY ONE TYPE OF TOILET FIXTURE OR ACCESSORY IS USED, IT SHALL BE POSITIONED FOR ACCESSIBILITY.

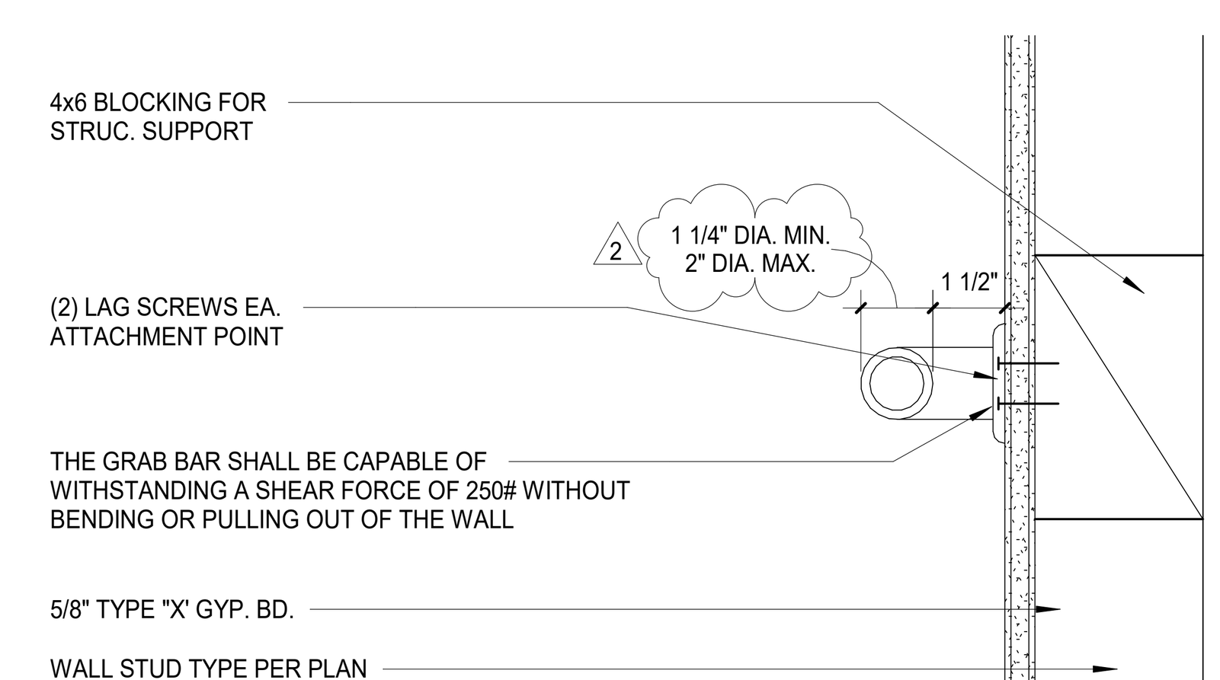
TOILET ROOM ACCESSORY & PLUMBING FIXTURE HEIGHTS | 3/8" = 1'-0" | 2



DOOR LANDINGS | 3/8" = 1'-0" | 6



REACH RANGES AND MOUNTING HEIGHTS | 3/8" = 1'-0" | 4



GRAB BARS | 3" = 1'-0" | 3

H. LOCATE TOWEL, SANITARY NAPKIN, AND WASTE RECEPTACLES WITH ALL OPERABLE PARTS NOT MORE THAN 40 INCHES FROM THE FLOOR.

I. LOCATE TOILET TISSUE DISPENSERS ON THE WALL OR PARTITION WITH CENTERLINE BETWEEN 7 AND 9 INCHES FROM THE FRONT EDGE OF THE TOILET.

J. GRAB BARS, TUB AND SHOWER SEATS, FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED FOR 250 LB. PER LINEAR FOOT LOAD.

K. GRAB BARS (REFER DETAIL 4/GEN-4):

1) THE DIAMETER OR WIDTH OF THE GRIPPING SURFACE OF A GRAB BAR SHALL BE 1-1/4" TO 1-1/2" OR THE SHAPE SHALL PROVIDE EQUIVALENT GRIPPING SURFACE.
2) IF THE GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND GRAB BARS SHALL BE 1-1/2".
3) A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS.
4) GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
5) EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".

L. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

4. DRINKING FOUNTAINS: (REFER TO DETAIL 7/GEN-4)

A. ON ANY FLOOR WHERE DRINKING FOUNTAINS ARE PROVIDED, AT LEAST ONE FOUNTAIN SHALL BE ACCESSIBLE. SPECIFY ACCESSIBLE DRINKING FOUNTAINS AND SHOW THEM INSTALLED IN ALCOVES OR IN A LOCATION WHICH DOES NOT ENCROACH INTO A PEDESTRIAN WAY. PROVIDE AT LEAST ONE SET OF DRINKING FOUNTAINS IN EACH "DRINKING FOUNTAIN AREA" WHERE ONE FOUNTAIN IS ACCESSIBLE TO INDIVIDUALS IN WHEELCHAIRS PLUS ONE WHICH IS ACCESSIBLE TO INDIVIDUALS WHO HAVE DIFFICULTY BENDING OR STOOPING.

B. THE DRINKING FOUNTAIN SHALL BE A MINIMUM OF 18 INCHES IN DEPTH AND THERE SHALL BE A CLEAR AND UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27 INCHES IN HEIGHT AND 8 INCHES IN DEPTH, THE DEPTH MEASUREMENT BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN. ADDITIONALLY THERE SHALL BE TOE CLEARANCE OF 9 INCHES IN HEIGHT ABOVE THE FLOOR, AND 17 INCHES IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN. A SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE.

C. THE BUBBLER SHALL BE ACTIVATED BY A CONTROL WHICH IS EASILY OPERATED BY A PERSON WITH DISABILITY SUCH AS A HAND-OPERATED LEVER TYPE LOCATED WITHIN 6 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 6 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN AND SHALL BE WITHIN 36 INCHES OF THE FLOOR. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN. THE SPOUT SHALL PROVIDE A FLOW OF WATER THAT IS AT LEAST 4 INCHES HIGH SO AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. THE FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 LB.

5. NOT USED.

6. SWITCHES, CONTROLS AND ELECTRICAL OUTLETS: (REFER TO DETAIL 5/GEN-4)

A. THE BOTTOM OF RECEPTACLE OUTLETS SHALL BE NOT LESS THAN 15 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.

B. THE TOP OF THE OUTLET BOX OF 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 NOT LESS THAN 3 FEET NOR MORE THAN 4 FEET ABOVE THE FLOOR OR WORKING PLATFORM.

C. IF REACH IS OVER AN OBSTRUCTION (FOR EXAMPLE, A BASE CABINET) BETWEEN 20" AND 25" IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44" FOR FORWARD APPROACH, OR 46" FOR SIDE APPROACH PROVIDED THE OBSTRUCTION IS NO MORE THAN 24" IN DEPTH. THE OBSTRUCTION MAY NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH THE CONTROL.

D. THE TOP OF OPERABLE PART OF THE FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK.

E. IF EMERGENCY WARNING SYSTEMS ARE REQUIRED THEY SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE.

7. ADDITIONAL COMPLIANCE REQUIREMENTS:

A. COUNTERTOPS AND WORK SURFACES SHALL BE ACCESSIBLE (HEIGHT BETWEEN 28" AND 34" AFF) W/ ACCESSIBLE CLEAR SPACE BELOW PER CBC 11B-902.1.

B. WARNING SYSTEMS SHALL COMPLY WITH NFPA 72 AND 72G (AS AMENDED BY CHAPTER 35) AND SHALL PROVIDE VISUAL ALARMS (I.E. STROBES) IN RESTROOMS, CORRIDORS, MULTI-PURPOSES ROOMS, LOBBIES, MEETING ROOMS, AND ANY OTHER COMMON USE ROOMS (CBC 1007.12).

1. RAMPS AND STAIRWAYS
REFER TO ACCESSIBILITY NOTES ON SHEET A00.2 AND ELSEWHERE IN THESE DRAWINGS

2. ENTRANCES AND DOORWAYS: (REFER TO DETAIL 3/GEN-4)

A. PRIMARY ENTRANCES TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO THE DISABLED.

B. RECESSED DOOR MATS SHALL BE ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIRS.

C. ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE SIGN (INTERNATIONAL SYMBOL OF ACCESSIBILITY) AND WITH ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED VISIBLE FROM APPROACHING PEDESTRIAN WAYS.

D. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL BE A MINIMUM 60" SQUARE IN THE DIRECTION OF THE DOOR SWING AND A MINIMUM 44" SQUARE OPPOSITE THE DIRECTION OF DOOR SWING. THE SQUARES SHALL BE MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. SEE NOTE **E.** BELOW FOR STRIKE SIDE CLEARANCES.

E. THE WIDTH OF THE LEVEL AND CLEAR AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS.

F. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED NO GREATER THAN 1:2.

G. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS IN A VESTIBULE, SERVING OTHER THAN A REQUIRED EXIT STAIRWAY, MUST HAVE AT LEAST 48" OF CLEAR SPACE FROM ANY DOOR OPENING INTO THE VESTIBULE WHEN THE DOOR IS OPEN 90 DEGREES FROM ITS CLOSED POSITION. DOOR IN SERIES MUST SWING IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS.

H. WHERE A PAIR OF DOORS, MANUALLY OR AUTOMATICALLY OPERATED, IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING 32" WIDE W/ THE LEAF POSITIONED 90 DEGREES FROM ITS CLOSED POSITION.

I. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO OPEN BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATED A TRAP OR HAZARDOUS CONDITION.

J. MAXIMUM EFFORT TO OPERATED DOORS SHALL NOT EXCEED 5 LB. SUCH PULL OR PUSH EFFORT SHALL BE APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.

3. SANITARY FACILITIES: (REFER TO DETAIL 2/GEN-4)

A. WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32" INCHES WHEN LOCATED AT THE END AND 34" INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITION AT AN ANGLE OF 90 DEGREES AWAY FROM ITS CLOSED POSITION.

B. TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44" INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS PER FOOT.

C. WHERE URINALS ARE PROVIDED AT LEAST ONE WITH A RIM PROJECTING A MINIMUM OF 14 INCHES FROM THE WALL AND AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR SHALL BE PROVIDED.

D. URINAL 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" ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS PER FOOT.

E. HOT WATER AND ALL DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED.

F. FAUCET 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 PER FOOT. LEVER OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

G. MIRRORS SHALL BE MOUNTED WITH THE LOWEST REFLECTIVE EDGE NOT MORE THAN 40 INCHES ABOVE THE FLOOR.

COMMON AREA ACCESSIBILITY NOTES | 12" = 1'-0" | 1

PREPARED BY:
SVA ARCHITECTS
6 HUTTON CENTRE DR, SUITE 1150
SANTA ANA, CA 92707
T 949.809.3380 WWW.SVA-ARCHITECTS.COM

LICENSED ARCHITECT ROBERT M. SIMONS No. C-18301 JAN. 31, 2025 STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

B.M.: THE CITY OF GARDENA BENCHMARK NO. 5D-15
ELEV. = 43.508'

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

ACCESSIBILITY DETAILS
COMMUNITY AQUATICS & SENIOR CENTER
GEN-5

	INITIAL	DATE
DESIGNED BY	AP/EC	05/25/2022
DRAWN BY	NC	06/20/23
CHECKED BY	DB	06/29/23

APPROVED BY:
APPROVED BY: DIRECTOR OF PUBLIC WORKS

SHT. 43 OF 176 DWG. NO. 5-2606

FILE PATH: C:\Users\nclevenger\Documents\Gardena_Community Pool and Senior Center_nclevengerNZZKB.rvt
PLOT TIME: 8/16/2023 10:40:44 AM

FIRST FLOOR PLAN
1/4" = 1'-0" | 1

FLOOR PLAN KEYNOTES

1. SOLID SURFACE COUNTERTOP, SEE FINSH PLAN AND SPECS.
2. BASE PLASTIC LAMINATE MILLWORK, SEE DETAILS AND SPECS.
3. UPPER PLASTIC LAMINATE MILLWORK, SEE DETAILS AND SPECS.
4. FILLER PANEL @ SIDES OF CASEWORK, TYP.
5. PHENOLIC LOCKERS, SEE DETAILS AND SPECS.
6. 9'-0" TALL STC 52 OPERABLE PARTITION
7. 12" WIDE 36" TALL CMU WALL, PER LANDSCAPE
8. 4" HSS TUBE STEEL POSTS, PAINTED
9. STEEL GUARDRAIL, PAINTED
10. ADA LOCKER ROOM BENCH
11. ADA SHOWER, FOR MOUNTING HEIGHTS SEE 1 / A67.2
12. DRINKING FOUNTAIN, FOR MOUNTING SEE 2 / GEN-5 & 8 / A67.1
13. ACCESSIBLE SINK
14. REFRIGERATOR, SEE SPECS, CFCI
15. OVERHEAD LINES
16. GLULAM COLUMNS STANE GRADE WITH MARINE GRADE VARNISH
17. ROOF ACCESS LADDER
18. FLOOR DRAIN, SEE PLUMBING PLANS
19. EXTERIOR SHOWER WITH OVERHEAD COVER

FLOOR PLAN LEGEND

- 30"X48" CLR. — 30"X48" MIN. ACCESSIBLE WHEELCHAIR CLEAR FLOOR SPACE
- 60" MIN. CLR. — 60" MIN. ACCESSIBLE WHEELCHAIR CLEAR TURNING SPACE
- 8" CMU WALL PER SHEET A61.1
- 10" CMU WALL PER SHEET A61.1
- 12" CMU WALL PER SHEET A61.1
- METAL STUD WALL PER SHEET A61.1
- RETAINING WALL - SEE STRUCT. DWGS. FOR ADD'L. INFO.
- 1i — WALL TYPE ANNOTATIONS, SEE SHEET A61.1 FOR DETAILS
- 101 — NUMBER INDICATES DOOR PER SCHEDULE, REFER TO SHEET A52.1
- 1 — NUMBER INDICATED STOREFRONT PER SCHEDULE, REFER TO SHEET A52.2
- F.E. — FIRE EXTINGUISHER CABINET PER DET. 3/A65.1

FLOOR PLAN GENERAL NOTES:
1. ALL DIMENSIONS ARE TO CENTERLINE OF THE GRID LINES AND/OR TO THE FACE OF STUDS, U.N.O.
2. UNLESS NOTED OTHERWISE, ALL WALLS ARE FULL HEIGHT.
3. REFER TO SHEET GEN-4 FOR TYPICAL ACCESSIBILTY REQUIREMENTS AND DIMENSIONS.
4. REFER TO ENLARGED PLANS FOR DIMENSIONS AND CALLOUTS NOT SHOWN HERE.

PREPARED BY:
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6 HUTTON CENTRE DR, SUITE 1150
SANTA ANA, CA 92707
T 949.809.3380 WWW.SVA-ARCHITECTS.COM

LICENSED ARCHITECT ROBERT M. SIMONS No. C-18301 JAN. 31, 2025 STATE OF CALIFORNIA

REVISIONS

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B.M.: THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508'

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

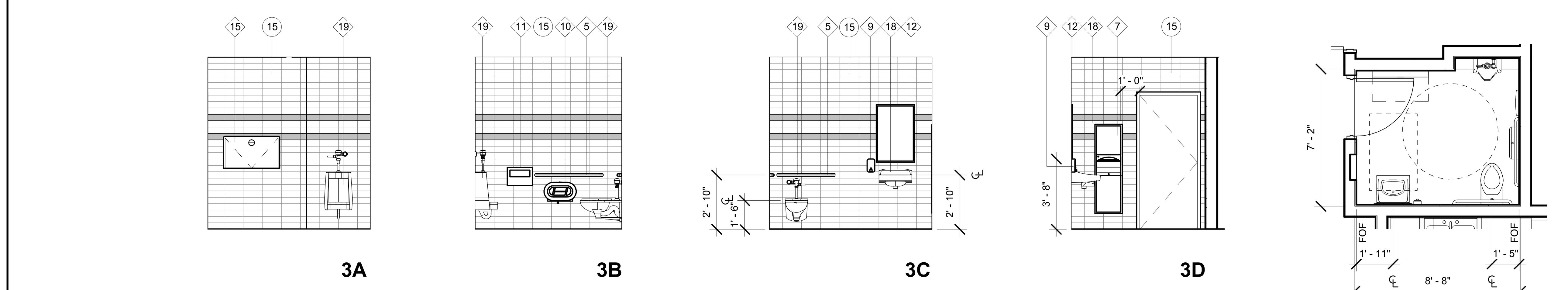
FIRST FLOOR PLAN
COMMUNITY AQUATICS & SENIOR CENTER
A11.2

	INITIAL	DATE
DESIGNED BY	AP/EC	05/25/2022
DRAWN BY	NC	06/20/23
CHECKED BY	DB	06/29/23

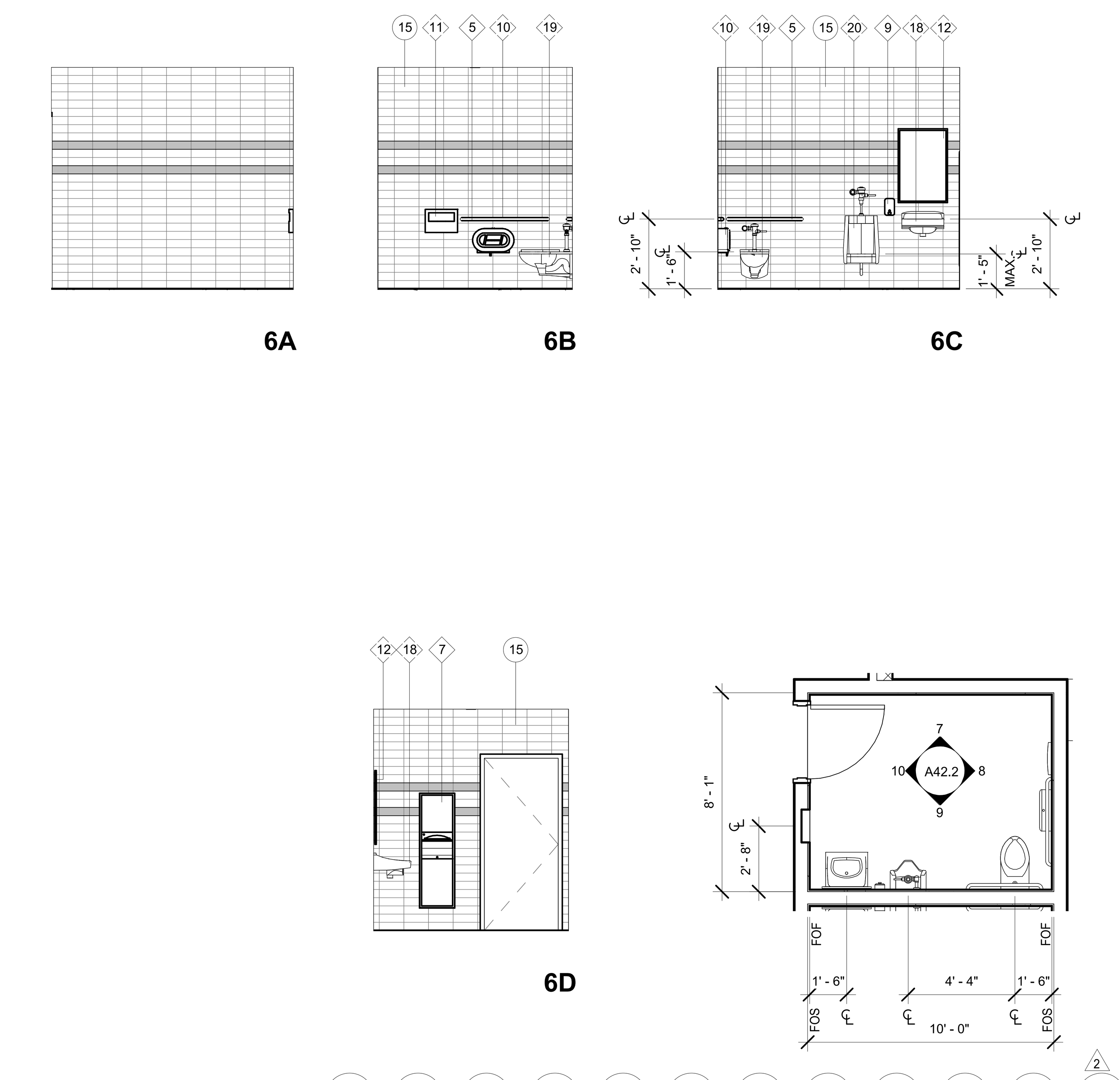
APPROVED BY:
APPROVED BY: DIRECTOR OF PUBLIC WORKS

SHT. 47 OF 176 DWG. NO. 5-2606

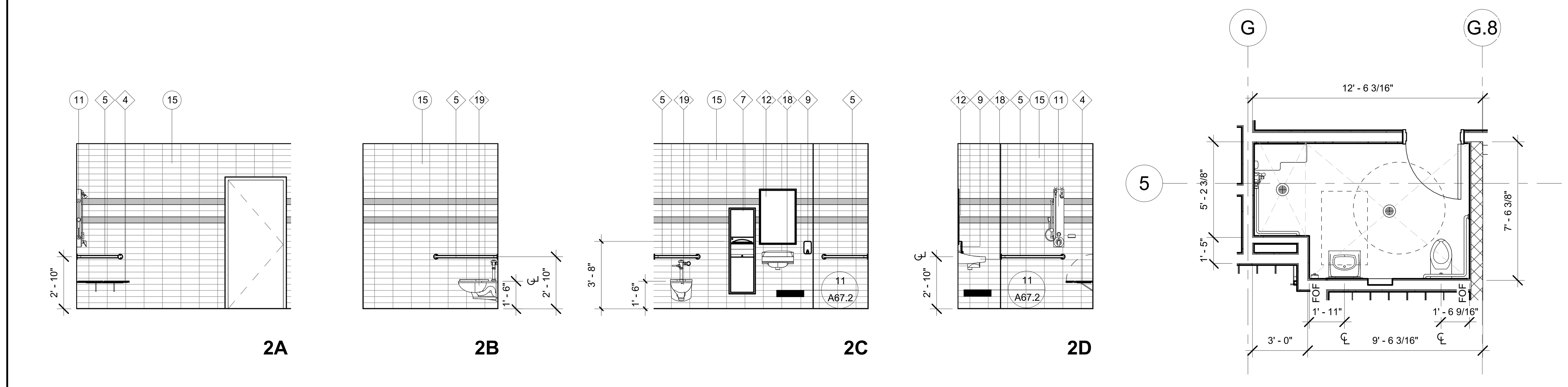
FILE PATH: C:\Users\nclevenger\Documents\Gardena_Community Pool and Senior Center_nclevengerNZZKB.rvt
PLOT TIME: 8/16/2023 10:40:40 AM



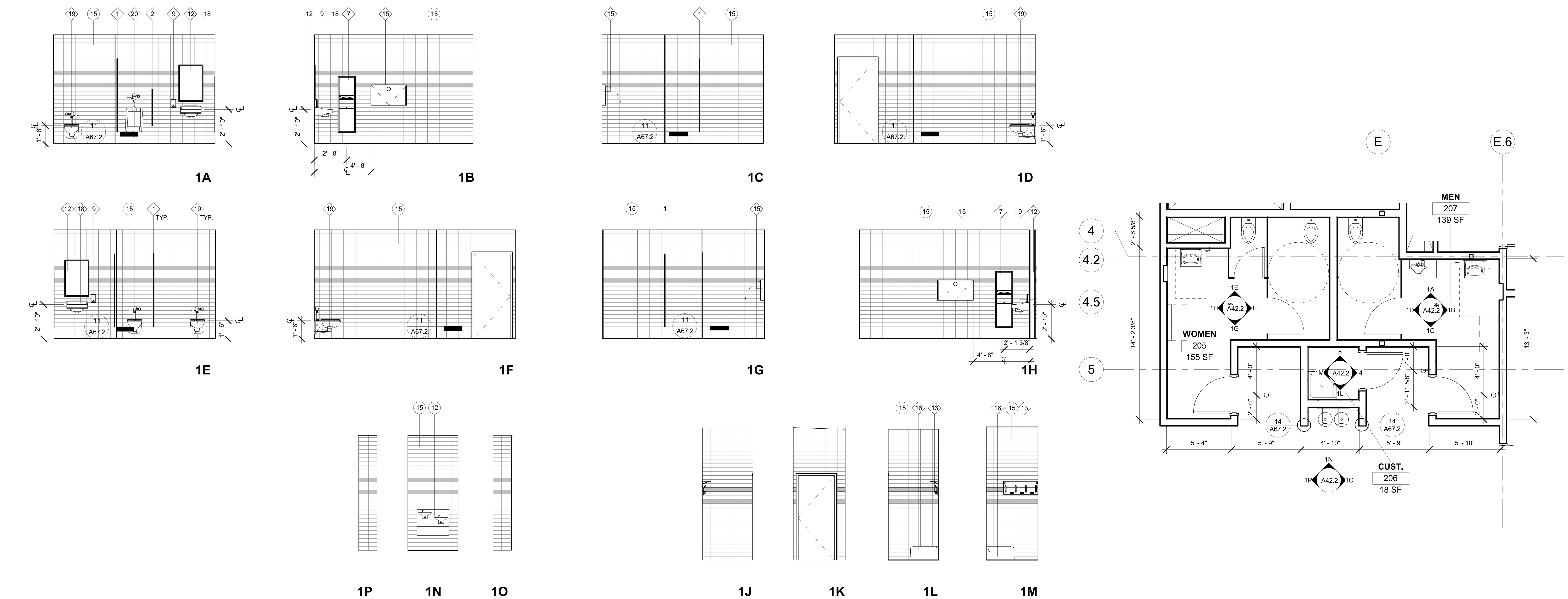
SINGLE OCCUPANCY RESTROOM - RM 107 | 1/4" = 1'-0" | 3



SINGLE OCCUPANCY RESTROOM - RM 111 (112 SIM) | 1/4" = 1'-0" | 6



FAMILY RESTROOM | 1/4" = 1'-0" | 2



SECOND FLOOR RESTROOMS AND CUST. CLOSET | 1/4" = 1'-0" | 1

1. FLOOR-MOUNTED, OVERHEAD BRACED PHENOLIC-CORE PARTITIONS-SEE SPECS
2. WALL-HUNG PHENOLIC URINAL SCREEN, 42" HIGH X 18" DEEP
3. HEAVY-DUTY CURTAIN ROD (BOBRICK B-207X36) & CURTAIN (BOBRICK B-204-2)
4. FOLDING SHOWER SEAT (BOBRICK 5181)
5. GRAB BARS FOR ACCESSIBLE TOILET (1-1/4" DIA. STAINLESS STEEL):
   42" LENGTH @ SIDE WALL (BOBRICK B-5806X42)
   36" LENGTH @ REAR WALL (BOBRICK B-5806X36)
6. 1-1/4" DIA. STAINLESS STEEL GRAB BAR, 42", BOBRICK B-5806X42
7. PAPER TOWEL DISPENSER (BOBRICK B-2860)
8. RECESSED ELECTRIC HAND DRYER (DYSON AIRBLADE)
9. SURFACE MOUNTED LIQUID SOAP DISPENSER (BOBRICK B-2111)
10. TOILET PAPER DISPENSER (BOBRICK B-2892)
11. TOILET SEAT COVER DISPENSER (BOBRICK B-221)
12. 24" x 36" FRAMED MIRROR, BOBRICK B-165 2436
13. MOP & BROOM HOLDER (BOBRICK B-224)
14. CLOTHES HOOK (BOBRICK B-2116)
15. BABY CHANGING STATION (KOALA KB-110)
16. MOP SINK, SEE PLUMBING DRAWINGS
17. WALL-MOUNTED INDIVIDUAL SHOWER HEAD, FLUSH
18. WALL-MOUNTED LAVATORY - REFER TO PLUMB. DWG'S. FOR ADD'L. INFO.
19. WALL-MOUNTED WATER CLOSET - REFER TO PLUMB. DWG'S. FOR ADD'L. INFO
20. WALL-MOUNTED URINAL - REFER TO PLUMB. DWG'S. FOR ADD'L. INFO.

* REFER SHEET GEN-5 FOR MOUNTING HEIGHTS AND LOCATIONS FOR ALL ACCESSIBLE RESTROOM ACCESSORIES AND FIXTURES.

RESTROOM ACCESSORY LEGEND

1. SOLID SURFACE COUNTERTOP, SEE FINSH PLAN AND SPECS.
2. BASE PLASTIC LAMINATE MILLWORK, SEE DETAILS AND SPECS.
3. UPPER PLASTIC LAMINATE MILLWORK, SEE DETAILS AND SPECS.
4. FILLER PANEL @ SIDES OF CASEWORK, TYP.
5. PHENOLIC LOCKERS, SEE SPECS AND DETAIL 8 / A65.1
6. 10'-0" TALL STC 50 OPERABLE PARTITION
7. 12" WIDE 36" TALL CMU WALL, PER DETAIL
8. 4" HSS TUBE STEEL POSTS, PAINTED
9. STEEL GUARDRAIL, PAINTED
10. ADA LOCKER ROOM BENCH 11 / A65.1
11. ADA SHOWER, FOR MOUNTING HEIGHTS SEE 1 / A67.2
12. DRINKING FOUNTAIN, FOR MOUNTING SEE 2 / GEN-5 & 8 / A67.1
13. ACCESSIBLE SINK
14. REFRIGERATOR, SEE SPECS, CFCI
15. 4"x12" TILE WALL FINISH FLOOR TO CEILING WITH COVED BASE, FOR COLOR AND PATTERN SEE 9 / A67.2
16. 2"x2" TILE WALL FINISH, DALTILE COLOR OCEAN BLUE 1049
17. PHENOLIC LOCKER FILLER PANELS, SEE DETAILS AND SPECS.
18. DRESSING AREA

ENLARGED PLAN & ELEVATION KEYNOTES

30"X48" CLR. — 30"X48" MIN. ACCESSIBLE WHEELCHAIR CLEAR FLOOR SPACE

60" MIN. CLR. — 60" MIN. ACCESSIBLE WHEELCHAIR CLEAR TURNING SPACE

8" CMU WALL PER SHEET A61.1

10" CMU WALL PER SHEET A61.1

12" CMU WALL PER SHEET A61.1

METAL STUD WALL PER SHEET A61.1

RETAINING WALL - SEE STRUCT. DWGS. FOR ADD'L. INFO.

1i — WALL TYPE ANNOTATIONS, SEE SHEET A61.1 FOR DETAILS

101 — NUMBER INDICATES DOOR PER SCHEDULE, REFER TO SHEET A52.1

1 — NUMBER INDICATED STOREFRONT PER SCHEDULE, REFER TO SHEET A52.2

F.E. — FIRE EXTINGUISHER CABINET PER DET. 3/A65.1

FLOOR PLAN GENERAL NOTES:
1. ALL DIMENSIONS ARE TO CENTERLINE OF THE GRID LINES AND/OR TO THE FACE OF STUDS, U.N.O.
2. UNLESS NOTED OTHERWISE, ALL WALLS ARE FULL HEIGHT.
3. REFER TO SHEET GEN-4 FOR TYPICAL ACCESSIBILTY REQUIREMENTS AND DIMENSIONS.
4. REFER TO ENLARGED PLANS FOR DIMENSIONS AND CALLOUTS NOT SHOWN HERE.

FLOOR PLAN LEGEND

PREPARED BY:

SVA ARCHITECTS

6 HUTTON CENTRE DR, SUITE 1150
SANTA ANA, CA 92707
T 949.809.3380 WWW.SVA-ARCHITECTS.COM

LICENSED ARCHITECT ROBERT M. SIMONS No. C-18301 JAN. 31, 2025 STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

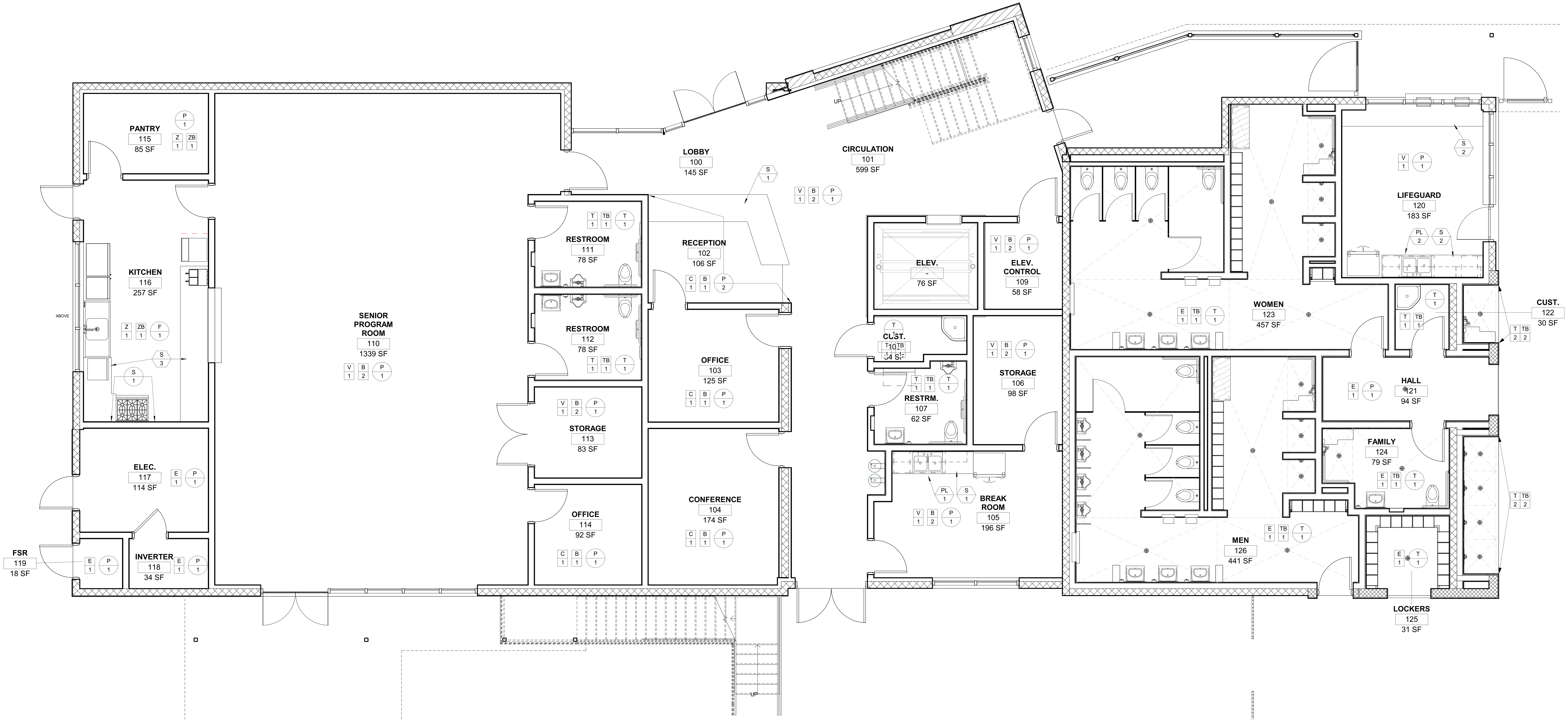
B.M.: THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508'

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING
ENLARGED PLANS AND ELEVATIONS
COMMUNITY AQUATICS & SENIOR CENTER
A42.2

	INITIAL	DATE
DESIGNED BY	AP/EC	05/25/2022
DRAWN BY	NC	06/20/23
CHECKED BY	DB	06/29/23

APPROVED BY:
APPROVED BY: DIRECTOR OF PUBLIC WORKS

SHT. 62 OF 176 DWG. NO. 5-2606



FIRST FLOOR INTERIOR FINISH PLAN

1/4" = 1'-0" | 1

FINISH SCHEDULE - FIRST FLOOR

#	NAME	FLOOR	BASE	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	COMMENTS
-	ELEV.							
100	LOBBY	V-1	B-2	GB	P-1	OTS	PAINTED	
101	CIRCULATION	V-1	B-2	GB	P-1	GB	PAINTED	OTS PER RCP
102	RECEPTION	C-1	B-1	GB	P-2	GB	PAINTED	
103	OFFICE	C-1	B-1	GB	P-1	ACT-1	M.F.R	
104	CONFERENCE	C-1	B-1	GB	P-1	ACT-1	M.F.R	
105	BREAK ROOM	V-1	B-2	GB	P-1	ACT-1	M.F.R	
106	STORAGE	V-1	B-2	GB	P-1	ACT-1	M.F.R	
107	RESTRM.	T-1	TB-1	TILE	T-1	GB	PAINTED	
108	CUST.	T-1	TB-1	TILE	T-1	OTS	PAINTED	
109	ELEV. CONTROL	V-1	B-2	GB	P-1	GB	PAINTED	
110	SENIOR PROGRAM ROOM	V-1	B-2	GB	P-1	ACT-1	M.F.R	
111	RESTROOM	T-1	TB-1	TILE	T-1	GB	PAINTED	
112	RESTROOM	T-1	TB-1	TILE	T-1	GB	PAINTED	
113	STORAGE	V-1	B-2	GB	P-1	ACT-1	M.F.R	
114	OFFICE	C-1	B-1	GB	P-1	ACT-1	M.F.R	
115	PANTRY	Z-1	ZB-1	GB	P-1	ACT-1	M.F.R	
116	KITCHEN	Z-1	ZB-1	FRP / SS	F-1 / SS-1	GB	PAINTED	
117	ELEC.	E-1	B-1	GB	P-1	GB	PAINTED	
118	INVERTER	E-1	B-1	GB	P-1	GB	PAINTED	
119	FSR	E-1	B-1	GB	P-1	OTS	PAINTED	
120	LIFEGUARD	V-1	B-2	GB	P-1	ACT-1	M.F.R	
121	HALL	E-1	-	-	-	-	-	STUCCO WALLS AND CEILING; COLOR TO MATCH EXT. ELEVATIONS
122	CUST.	T-1	TB-1	TILE	T-1	GB	PAINTED	
123	WOMEN	E-1	TB-1	TILE	T-1	GB	PAINTED	
124	FAMILY	E-1	TB-1	TILE	T-1	GB	PAINTED	
125	LOCKERS	E-1	TB-1	TILE	T-1	GB	PAINTED	
126	MEN	E-1	TB-1	TILE	T-1	GB	PAINTED	

FINISH SCHEDULE

FLOORS

- C-1 (revision 2): CARPET TILE C-1 - BENTLY MILLS STYLE COIN-OP II 18"X36" COLOR - BOTS 400061; BRICK INSTALLATION METHOD
- T-1: CERAMIC FLOOR TILE; DAL TILE 12"X24"; COLOR - TBD; (COVED WALL BASE TO MATCH FLOOR COLOR TILE)
- T-2: CERAMIC FLOOR TILE; DAL TILE KEYSTONES 2"X2"; COLOR - TBD; (COVED WALL BASE TO MATCH FLOOR COLOR TILE)
- V-1: RESILIENT FLOORING - 6"X48" LVP COLOR - TBD
- E-1: EXPOSED CONCRETE TOPPING SLAB; INTEGRAL COLOR TBD CLEAR EPOXY SEALANT, SEE SPECS
- Z-1: URETHANE FLOOR COATING; COLOR - TBD (COVED WALL BASE TO BE INTEGRAL BUILD UP)
- B-1: 4" HIGH RUBBER BASE; COLOR - TBD
- B-2: 4" HIGH COVED RUBBER BASE; COLOR - TBD
- TB-1: TILE COVED BASE; 4"X12"; COLOR - TBD
- TB-2: TILE COVED BASE: 2"X2"; COLOR - TBD
- ZB-1: 6" HIGH INTEGRAL URETHANE COVED BASE; COLOR - TBD

WALLS

- P-1: GENERAL AREA PAINT COLOR P-1: COLOR TBD
- P-2: ACCENT PAINT COLOR P-2; COLOR TBD
- T-1: RESTROOM WALL TILE T-1 - DALTILE - 4"X24" SEMI-GLOSS; FIELD COLOR: TBD; ACCENT STRIPE COLOR; TBD
- T-2: WALL TILE T-2 - DALTILE - 2"X2" SEMI-GLOSS; COLOR: TBD
- F-1: FRP WALL PANELING COLOR: TBD
- S-1: SS WALL PANELING COLOR: TBD

MILLWORK

- PL-1: WOOD-GRAIN PLASTIC LAMINATE #1 - CABINETS - WILSONART; 7960K-18 STUDIO TEAK LINEARITY FINISH
- PL-2: PLASTIC LAMINATE #2 - CABINETS - WILSONART COLOR TBD (MATTE FINISH)
- S-1: ONE QUARTZ SURFACE #1 - DALTILE; OQ53 STATUARY UNITY; MARBLE LOO
- S-2: ONE QUARTZ SURFACE #2 - DALTILE; NQ66 FRESH LINENS; MONOCHROMATIC LOOK
- S-3: STAINLESS STEEL SURFACE - CUSTOM COUNTER; FOOD GRADE FINISH

MISCELLANEOUS

- PT-1: TOILET PARTITIONS (TYPICAL ALL ROOMS) - PHENOLIC COLOR TBD

CEILINGS

- **ACT-1** 2' x 4' SUSPENDED ACOUSTICAL CEILING - SEE SPECS
- **GB** GYP. BOARD CEILING; COLOR TO BE P-1
- **OTS** EXPOSED; METAL DECK, STRUCTURAL FRAMING AND DUCTWORK TO BE PREPPED AND PAINTED P-1

INTERIOR FINISH LEGEND

PREPARED BY:
SVA ARCHITECTS
6 HUTTON CENTRE DR, SUITE 1150
SANTA ANA, CA 92707
T 949.809.3380 WWW.SVA-ARCHITECTS.COM

LICENSED ARCHITECT ROBERT M. SIMONS No. C-18301 JAN. 31, 2025 STATE OF CALIFORNIA

REVISIONS

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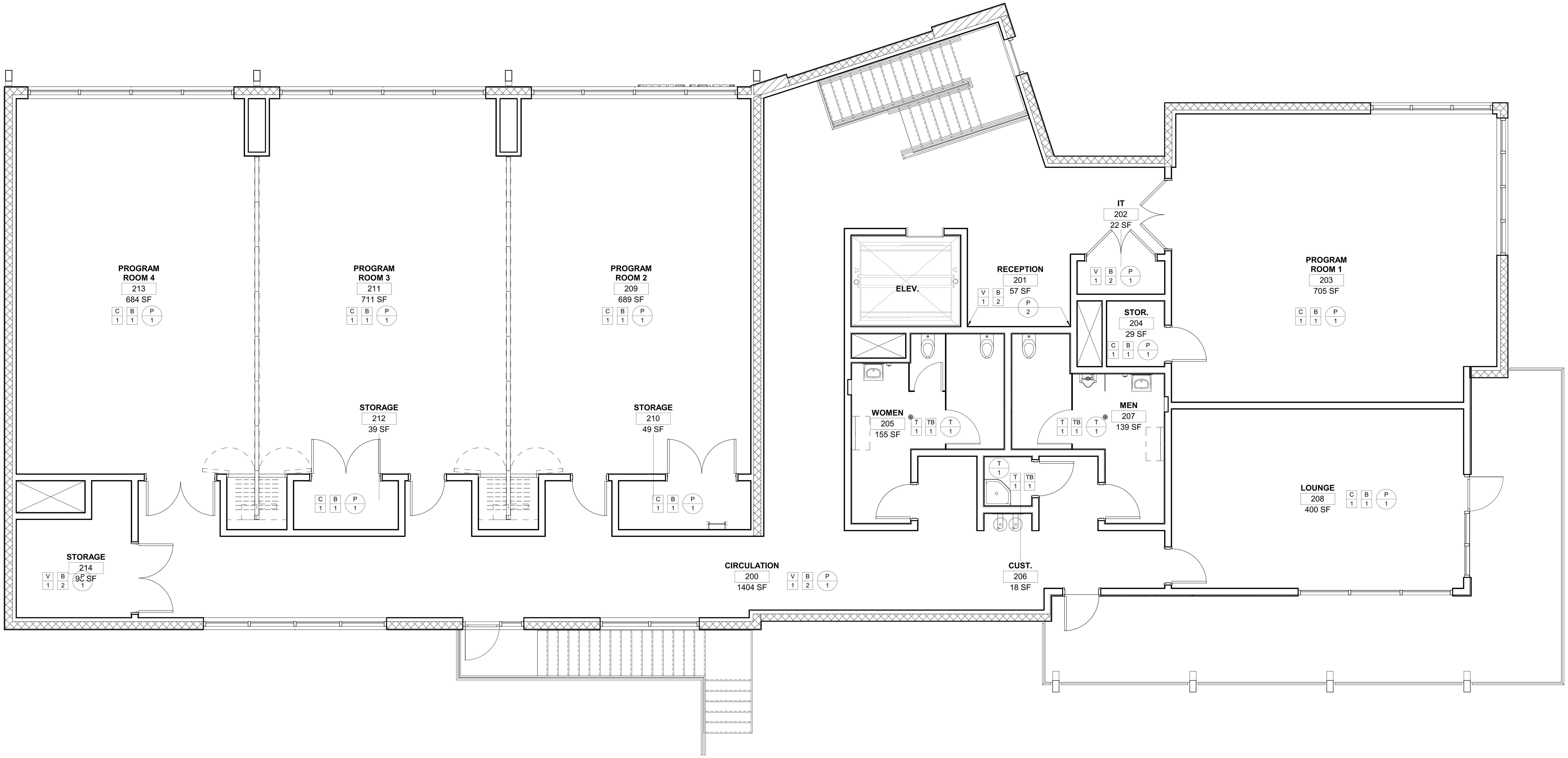
B.M.: THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508'

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING
FIRST FLOOR INTERIOR FINISH SCHEDULE
COMMUNITY AQUATICS & SENIOR CENTER
A50.1

	INITIAL	DATE
DESIGNED BY	AP/EC	05/25/2022
DRAWN BY	NC	06/20/23
CHECKED BY	DB	06/29/23

APPROVED BY:
APPROVED BY: DIRECTOR OF PUBLIC WORKS

SHT. 67 OF 176 DWG. NO. 5-2606



SECOND FLOOR INTERIOR FINISH PLAN

1/4" = 1'-0" | 1

FINISH SCHEDULE - SECOND FLOOR

#	NAME	FLOOR	BASE	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	COMMENTS
200	CIRCULATION	V-1	B-2	GB	P-1	GB	PAINTED	
201	RECEPTION	V-1	B-2	GB	P-1 / P-2	GB	PAINTED	
202	IT	V-1	B-2	GB	P-1	OTS	PAINTED	
203	PROGRAM ROOM 1	C-1	B-1	GB	P-1	ACT-1	M.F.R	
204	STOR.	C-1	B-1	GB	P-1	GB	PAINTED	
205	WOMEN	T-1	TB-1	TILE	T-1	GB	PAINTED	
206	CUST.	T-1	TB-1	TILE	T-1	OTS	PAINTED	
207	MEN	T-1	TB-1	TILE	T-1	GB	PAINTED	
208	LOUNGE	C-1	B-1	GB	P-1	OTS	PAINTED	
209	PROGRAM ROOM 2	C-1	B-1	GB	P-1	OTS	PAINTED	
210	STORAGE	C-1	B-1	GB	P-1	GB	PAINTED	
211	PROGRAM ROOM 3	C-1	B-1	GB	P-1	OTS	PAINTED	
212	STORAGE	C-1	B-1	GB	P-1	GB	PAINTED	
213	PROGRAM ROOM 4	C-1	B-1	GB	P-1	OTS	PAINTED	
214	STORAGE	V-1	B-2	GB	P-1	GB	PAINTED	

FINISH SCHEDULE

FLOORS

- C 1 — CARPET TILE C-1 - BENTLY MILLS STYLE COIN-OP II 18"X36" COLOR - BOTS 400061; BRICK INSTALLATION METHOD (2)
- T 1 — CERAMIC FLOOR TILE; DAL TILE 12"X24"; COLOR - TBD; (COVED WALL BASE TO MATCH FLOOR COLOR TILE)
- T 2 — CERAMIC FLOOR TILE; DAL TILE KEYSTONES 2"X2"; COLOR - TBD; (COVED WALL BASE TO MATCH FLOOR COLOR TILE)
- V 1 — RESILIENT FLOORING - 6"X48" LVP COLOR - TBD
- E 1 — EXPOSED CONCRETE TOPPING SLAB; INTEGRAL COLOR TBD CLEAR EPOXY SEALANT, SEE SPECS
- Z 1 — URETHANE FLOOR COATING; COLOR - TBD (COVED WALL BASE TO BE INTEGRAL BUILD UP)
- B 1 — 4" HIGH RUBBER BASE; COLOR - TBD
- B 2 — 4" HIGH COVED RUBBER BASE; COLOR - TBD
- TB 1 — TILE COVED BASE; 4"X12"; COLOR - TBD
- TB 2 — TILE COVED BASE: 2"X2"; COLOR - TBD
- ZB 1 — 6" HIGH INTEGRAL URETHANE COVED BASE; COLOR - TBD

WALLS

- P 1 — GENERAL AREA PAINT COLOR P-1: COLOR TBD
- P 2 — ACCENT PAINT COLOR P-2; COLOR TBD
- T 1 — RESTROOM WALL TILE T-1 - DALTILE - 4"X24" SEMI-GLOSS; FIELD COLOR: TBD; ACCENT STRIPE COLOR; TBD
- T 2 — WALL TILE T-2 - DALTILE - 2"X2" SEMI-GLOSS; COLOR: TBD
- F 1 — FRP WALL PANELING COLOR: TBD
- S 1 — SS WALL PANELING COLOR: TBD

MILLWORK

- PL 1 — WOOD-GRAIN PLASTIC LAMINATE #1 - CABINETS - WILSONART; 7960K-18 STUDIO TEAK LINEARITY FINISH
- PL 2 — PLASTIC LAMINATE #2 - CABINETS - WILSONART COLOR TBD (MATTE FINISH)
- S 1 — ONE QUARTZ SURFACE #1 - DALTILE; OQ53 STATUARY UNITY; MARBLE LOO
- S 2 — ONE QUARTZ SURFACE #2 - DALTILE; NQ66 FRESH LINENS; MONOCHROMATIC LOOK
- S 3 — STAINLESS STEEL SURFACE - CUSTOM COUNTER; FOOD GRADE FINISH

MISCELLANEOUS

- PT 1 — TOILET PARTITIONS (TYPICAL ALL ROOMS) - PHENOLIC COLOR TBD

CEILINGS

- **ACT-1** 2' x 4' SUSPENDED ACOUSTICAL CEILING - SEE SPECS
- **GB** GYP. BOARD CEILING; COLOR TO BE P-1
- **OTS** EXPOSED; METAL DECK, STRUCTURAL FRAMING AND DUCTWORK TO BE PREPPED AND PAINTED P-1

INTERIOR FINISH LEGEND

PREPARED BY:
SVA ARCHITECTS
6 HUTTON CENTRE DR, SUITE 1150
SANTA ANA, CA 92707
T 949.809.3380 WWW.SVA-ARCHITECTS.COM

LICENSED ARCHITECT ROBERT M. SIMONS No. C-18301 JAN. 31, 2025 STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	ADDENDUM #2	08/16/2023	

B.M.: THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508'

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING
SECOND FLOOR INTERIOR FINISH SCHEDULE
COMMUNITY AQUATICS & SENIOR CENTER
A50.2

	INITIAL	DATE
DESIGNED BY	AP/EC	05/25/2022
DRAWN BY	NC	06/20/23
CHECKED BY	DB	06/29/23

APPROVED BY:
APPROVED BY: DIRECTOR OF PUBLIC WORKS

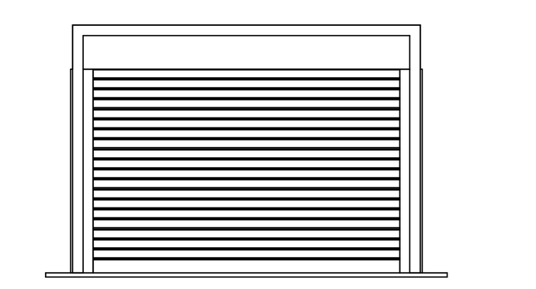
SHT. 68 OF 176 DWG. NO. 5-2606

DOOR SCHEDULE

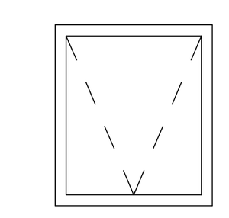
NUMBER	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD DETAIL	DETAILS JAMB	DETAILS THRESHOLD	HARDWARE GROUP	HARDWARE PH	FIRE RATING	REMARKS
100	6' - 0"	8' - 0"	FG-FG	AL/GL	AC	AL	AC	13/A63.1	13/A63.1	5/A63.2	05	YES	NR	CR, AO
101-1	3' - 0"	8' - 0"	FG	AL/GL	AC	AL	AC	15/A63.1	15/A63.1	5/A63.2	01	YES	NR	CR, AO
101-2	6' - 4"	7' - 10"	FG-FG	AL/GL	AC	AL	AC	12/A63.1	12/A63.1	5/A63.2	05	YES	NR	CR, AO
103-1	3' - 0"	7' - 0"	FG	AL/GL	AC	AL	AC	4/A63.1	4/A63.1	9/A63.1	14		NR	CR
103-2	3' - 0"	7' - 0"	FG	AL/GL	AC	AL	AC	4/A63.1	4/A63.1	9/A63.1	16		NR	CR
104	3' - 0"	7' - 0"	FG	AL/GL	AC	AL	AC	4/A63.1	4/A63.1	9/A63.1	14		NR	CR
105	3' - 0"	7' - 0"	FG	AL/GL	AC	AL	AC	4/A63.1	4/A63.1	9/A63.1	14		NR	CR
106	3' - 0"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	17		NR	CR
107	3' - 0"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	24		NR	
108	3' - 0"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	28		NR	
109	3' - 6"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	32		NR	
110-1	3' - 6"	7' - 0"	FG	AL/GL	AC	HM	P	1/A63.1	1/A63.1	9/A63.1	13	YES	NR	CR, AO
110-2	6' - 0"	7' - 0"	FG-FG	AL/GL	AC	AL	AC	13/A63.1	13/A63.1	5/A63.2	05			CR, AO
111	3' - 0"	7' - 0"	F	SCW	P	HM	P	1/A63.1	1/A63.1	9/A63.1	25		NR	
112	3' - 0"	7' - 0"	F	SCW	P	HM	P	1/A63.1	1/A63.1	9/A63.1	25		NR	
113	5' - 8"	7' - 0"	F-F	SCW	P	HM	P	1/A63.1	1/A63.1	9/A63.1	22		NR	CR
114	3' - 0"	7' - 0"	FG	AL/GL	AC	AL	AC	4/A63.1	4/A63.1	9/A63.1	14		NR	CR
115	3' - 0"	7' - 0"	F	SCW	P	HM	P	1/A63.1	1/A63.1	9/A63.1	17		NR	CR
116-1	3' - 0"	7' - 0"	N	SCW/GL	P	HM	P	1/A63.1	1/A63.1	9/A63.1	14		NR	CR
116-2	3' - 0"	8' - 0"	F	HM	P	HM	P	2/A63.1	2/A63.1	7/A63.1	07	YES	NR	CR
116-3	6' - 11"	8' - 0"	OR	AL	AC	SS	FF	-	-	-	18		NR	OVER HEAD ROLLING COUNTER DOOR
117	3' - 0"	8' - 0"	F	HM	P	HM	P	6/A63.1	3/A63.1	7/A63.1	08		NR	
118	3' - 0"	7' - 0"	F	HM	P	HM	P	1/A63.1	1/A63.1	9/A63.1	29		NR	
119	3' - 0"	8' - 0"	F	HM	P	HM	P	6/A63.1	3/A63.1	7/A63.1	08		NR	
120	3' - 0"	7' - 9 1/2"	FG	AL/GL	AC	AL	AC	12/A63.1	12,13/A63.1	5/A63.2	04		NR	CR
122	3' - 0"	7' - 0"	F	HM	P	HM	P	14/A63.1	14/A63.1	9/A63.2	30		NR	
123	3' - 0"	7' - 0"	F	HM	P	HM	P	14/A63.1	14/A63.1	9/A63.2	26		NR	
124	3' - 0"	7' - 0"	F	HM	P	HM	P	14/A63.1	14/A63.1	9/A63.2	25		NR	
126	3' - 0"	8' - 0"	F	HM	P	HM	P	2/A63.1	2/A63.1	7/A63.1	26		NR	
200-1	3' - 0"	8' - 0"	FG	AL/GL	AC	AL	AC	12/A63.2	11/A63.2	7/A63.1 SIM	02		NR	
200-2	3' - 0"	7' - 7"	FG	AL/GL	AC	AL	AC	15/A63.1	13/A63.1	10/A63.1	03	YES	NR	CR
202	6' - 0"	7' - 0"	F-F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	34		NR	
203	6' - 0"	7' - 0"	N-N	SCW/GL	P	HM	P	1/A63.1	1/A63.1	9/A63.1	21	YES	NR	CR
204	3' - 0"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	15		NR	CR
205	3' - 0"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	27		NR	
206	3' - 0"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	31		NR	
207	3' - 0"	7' - 0"	F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	27		NR	
208-1	3' - 0"	7' - 0"	FG	AL/GL	AC	AL	AC	4/A63.1	4/A63.1	9/A63.1	14		NR	CR
208-2	3' - 0"	8' - 0"	FG	AL/GL	AC	AL	AC	13/A63.1	13/A63.1, 11/A63.2	5/A63.2 SIM	03		NR	CR
209	3' - 0"	7' - 0"	N	SCW/GL	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	19	YES	NR	CR
210-1	6' - 0"	7' - 0"	F-F	SCW	P	AL	AC	4/A63.1	3/A63.1	9/A63.1	23		NR	CR
210-2	3' - 0"	1' - 0 19/32"	RH	ST	FF	ST	FF	-	-	-	33		NR	ROOF ACCESS HATCH
211	3' - 0"	7' - 0"	N	SCW/GL	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	19	YES	NR	CR
212	6' - 0"	7' - 0"	F-F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	22		NR	CR
213	6' - 0"	7' - 0"	N-N	SCW/GL	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	20	YES	NR	CR
214	6' - 0"	7' - 0"	F-F	SCW	P	AL	AC	4/A63.1	4/A63.1	9/A63.1	35		NR	
301	3' - 0"	7' - 0"	F	HM	P	HM	P	6/A63.1	3/A63.1	7/A63.1	09	YES	NR	
302	5' - 8"	7' - 0"	F-F	HM	P	HM	P	6/A63.1	3/A63.1	7/A63.1	06		NR	CR
303	5' - 8"	7' - 0"	F-F	HM	P	HM	P	6/A63.1	3/A63.1	7/A63.1	11		NR	
304	5' - 8"	7' - 0"	L-L	HM	P	HM	P	6/A63.1	3/A63.1	7/A63.1	11		NR	
305	5' - 8"	7' - 0"	L-L	HM	P	HM	P	6/A63.1	3/A63.1	7/A63.1	11		NR	
306-2	3' - 0 3/4"	6' - 10"	G-EE	ST	P	ST	P	-	7/A40.2	-	10	YES	NR	PEDESTRIAN GATE AT TRASH ENCLOSURE
306-3	8' - 0"	6' - 10"	G-DD	ST	P	ST	P	-	7/A40.2	-	12		NR	BIN GATE AT TRASH ENCLOSURE

2

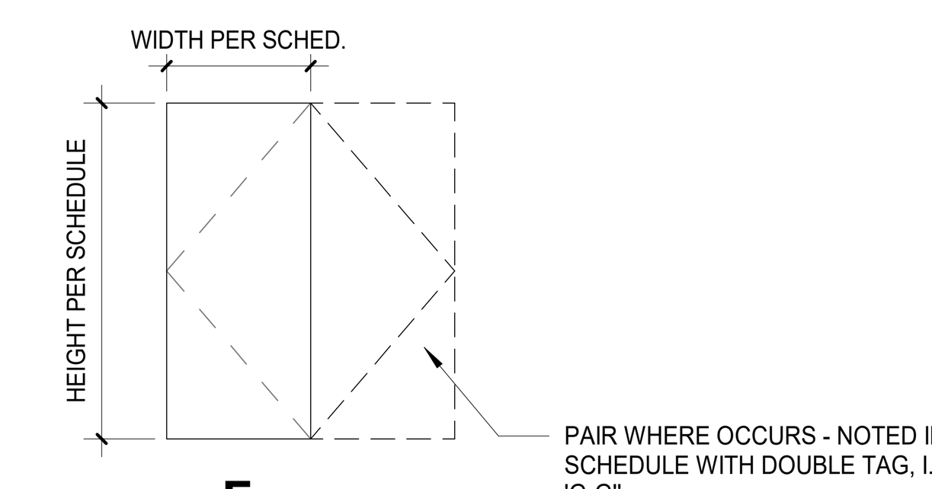
DOOR SCHEDULE



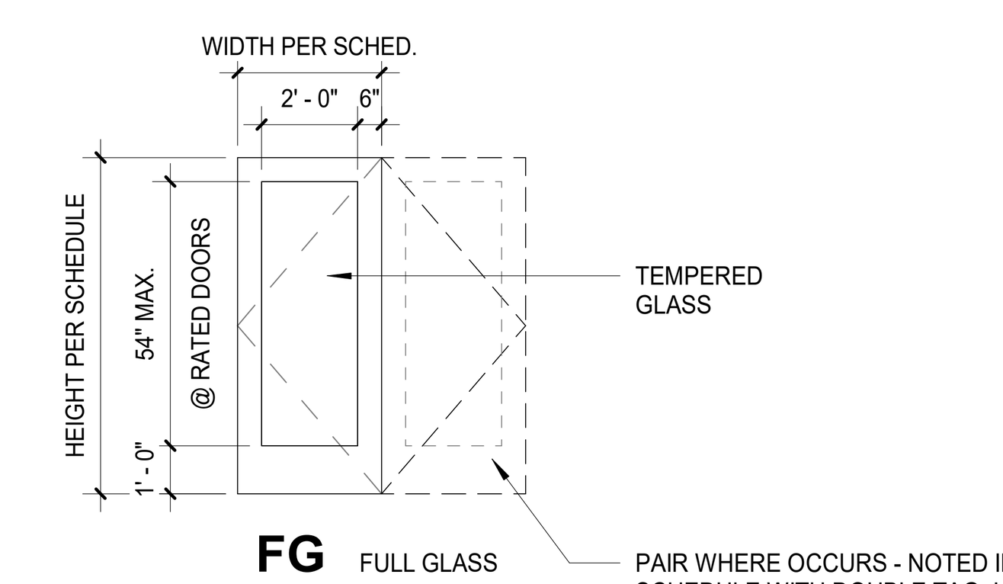
OR OVERHEAD ROLLING



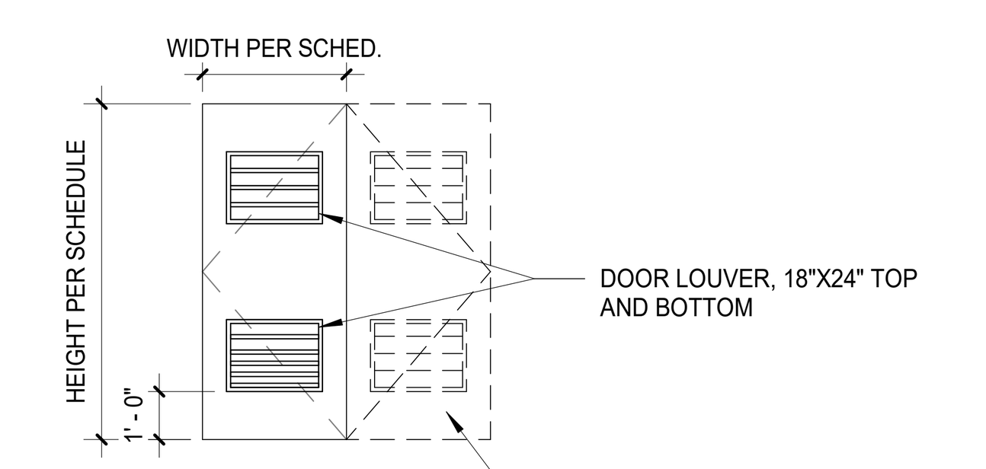
RH ROOF HATCH



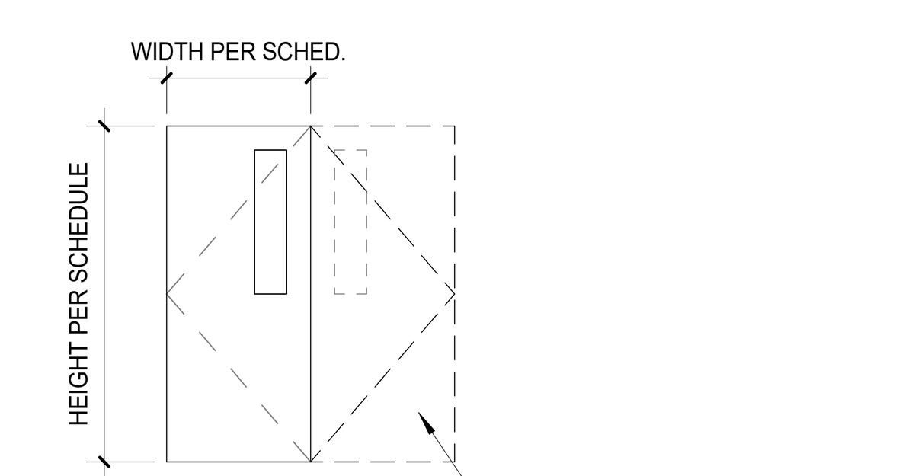
F FLUSH



FG FULL GLASS



L LOUVER



N NARROW LITE

DOOR LEGEND

COMMENTS:

1. PROVIDE ELECTRONIC HOLD-OPENS FOR EACH LEAF W/ CONNECTION TO FIRE ALARM.
2. EXISTING DOOR TO REMAIN.
3. EXISTING COPPER-CLAD DOOR TO REMAIN - CONTRACTOR TO INCLUDE $5,000 ALLOWANCE FOR REPAIR OF EXISTING METAL.

DOOR COMMENTS LEGEND

AL	-	ALUMINUM
AC	-	ANODIZED CLEAR
AO	-	AUTOMATIC OPENER
BZ	-	ANODIZED BRONZE
CC	-	CONCEALED CLOSER
CLR	-	CLEAR
CR	-	CARD READER / ACCESS CONTROL
FC	-	FLOOR CLOSER
FF	-	FACTORY FINISH
FLFD	-	FUSIBLE LINK FIRE DAMPER
FP	-	FIELD PAINT
FPFP	-	FACTORY PRIMED, FIELD PAINTED
FRA	-	FIRE RATED ASSEMBLY
FS	-	FIELD STAINED
GA	-	GALVANIZED
GL	-	GLASS OR GLAZING
GS	-	GALVANIZED STEEL
HM	-	HOLLOW METAL
KY	-	FLUOROPOLYMER FINISH (SEE SPECS)
LVR	-	LOUVER
MF	-	MILL FINISH
MR	-	MIRRORED GLASS
MAG	-	MAGNETIC HOLD OPEN
P	-	PAINTED (FOR EXISTING FRAMES - PAINT SHALL INCLUDE PREP AND REPAIR OF EXISTING FRAME, TYPICAL
PG	-	PAINT GRADE
PH	-	PANIC HARDWARE
PR	-	PAIR
SCW	-	SOLID CORE WOOD
SG	-	STAIN GRAIN
SMC	-	SURFACE MOUNTED CLOSER
ST	-	STEEL
SS	-	STAINLESS STEEL
TEMP	-	TEMPERED

DOOR NOTES LEGEND

1. LETTER "P" FOLLOWING DOOR TYPE LETTER IN SCHEDULE INDICATES A PAIR OF DOORS. SCHEDULED DIMENSION IS TOTAL FRAME OPENING. BOTH DOOR LEAVES ARE THE SAME SIZE UNLESS OTHERWISE NOTED.

2. LETTER "X" FOLLOWING DOOR TYPE LETTER IN SCHEDULE INDICATES A FIXED PANEL ABOVE DOOR LEAF. DOOR LEAF IS TO BE 7'-0" HIGH. SCHEDULED DIMENSION IS HEIGHT OF ACTIVE DOOR LEAF PLUS FIXED PANEL. FIXED PANEL SHALL BE OF SAME MATERIAL, CONSTRUCTION, THICKNESS, AS FINISH AS ACTIVE DOOR AND PROVIDED BY THE SAME MANUFACTURER AS DOOR.

3. LOUVERS IN FIRE-RATED DOOR ASSEMBLIES TO BE FLFD (FUSIBLE LINK FIRE DAMPER), LOUVERS IN EXTERIOR DOORS TO BE VANDAL-PROOF SECURITY TYPE.

4. GLAZING, ALL GLAZING PANELS IN FIRE-RATED DOOR ASSEMBLIES TO BE RATED GLASS. ALL OTHER GLAZING PANELS IN DOORS TO BE TEMPERED GLASS UNLESS OTHERWISE NOTED.

5. ALL DOORS NOTED AS 1-HOUR, AND 1 1/2-HOUR FIRE-RATED ASSEMBLIES SHALL MEET THE ADDITIONAL REQUIREMENTS OF MAXIMUM 450 F TEMPERATURE RISE ABOVE AMBIENT AFTER 30 MINUTES OF THE FIRE TEST. (CBC SEC. 1005.3.3.5 AND 1005.3.4.4).

6. THICKNESS: ALL DOORS TO BE 1 3/4" THICK UNLESS OTHERWISE NOTED.

7. ALL EXTERIOR DOORS TO HAVE WEATHERSTRIPPING ALL SIDES PER TITLE 24, SECTION T20-1451-1542.

8. ALL WOOD DOORS TO BE SOLID-CORE TYPE.

9. EXIT DOORS SERVING 50 OR MORE OCCUPANTS SHALL OPEN IN THE DIRECTION OF EXIT.

10. EVERY EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. ANY SPECIAL LOCKING DEVICES SHALL BE OF THE APPROVED TYPE. CBC CHAPTER 33 AND UFC SECTION 12,104(B).

11. DOOR HARDWARE SHALL COMPLY WITH THE FOLLOWING PER CBC 11B-404.2

    1. OPERABLE BY A SIMPLE EFFORT, NOT GRASPING WRIST MOVEMENT (LEVERS, PANIC DEVICES, OR PULLS).
    2. 5-LB CLOSURE PRESSURE AT INTERIOR DOORS.
    3. 5-LB CLOSURE PRESSURE AT EXTERIOR DOORS.
    4. 5-LB CLOSURE PRESSURE AT FIRE DOORS.
    5. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.

12. ALL DOORS INDICATED AS FIRE-RATED ASSEMBLIES TO HAVE CLOSURES AND SMOKE SEALS.

13. ON DOORS IN ALUMINUM FRAMES, PROVIDE ARMORED STRIKE ON JAMB OF ALUMINUM FRAME.

14. EXIT DOORS SHALL HAVE A READILY VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING, "THIS DOOR TO REMAINED UNLOCKED DURING BUSINESS HOURS." THE SIGN SHALL HAVE 1" HIGH LETTERS ON A CONTRASTING BACKGROUND. THE LOCKING DEVICE MUST BE OF A TYPE THAT WILL BE READILY DISTINGUISHABLE AS LOCKED.

15. DOORS SHALL BE A MINUMUM OF 36" WIDE X 80" HIGH WITH NO SINGLE LEAF EXCEEDING 4'-0" IN WIDTH.

16. BOTTOM 10" OF DOOR TO HAVE SMOOTH UNINTERUPTED SURFACE FOR OPENING BY WHEELCHAIR FOOT REST.

17. CENTER OF HARDWARE TO BE 30" TO 40" ABOVE FLOOR. LATCHING AND LOCKING DOOR TO BE OPERABLE WITH A SINGLE EFFORT BY LEVER OR PUSH-PULL TYPE HARDWARE.

18. PROVIDE DOOR SYMBOLS ON DOORWAYS LEADING TO SANITARY FACILITIES (SEE TOILET ROOM DOOR SIGNAGE). CENTER SYMBOLS ON DOORS AT 60" HEIGHT, AND FINISH IN COLOR CONTRASTING TO THAT OF THE DOOR.

19. THRESHOLDS SHALL BE 1/2" HIGH MAXIMUM WITH A 2:1 DEGREE BEVELED EDGE.

20. THRESHOLD HEIGHT BETWEEN 1/4" AND 1/2" SHALL BE BEVELED AT MAZIMUM 50% SLOPE.

21. ALL EXTERIOR DOOR SHALL HAVE PERIMETER DOOR SOUND SEAL/GASKET.

22. EACH DOOR IN A MEANS OF EGRESS FROM A GROUP A, OR ASSEMBLY AREA NOT CLASSIFIED AS AN ASSEMBLY OCCUPANCY, HAVING AN OCCUPANT LOAD OF 50 OR MORE SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE. CBC 1010.1.10 CFC 1010.1.10

DOOR GENERAL NOTES

PREPARED BY:

SVA ARCHITECTS
6 HUTTON CENTRE DR, SUITE 1150
SANTA ANA, CA 92707
T 949.809.3380 WWW.SVA-ARCHITECTS.COM

LICENSED ARCHITECT ROBERT M. SIMONS No. C-18301 JAN. 31, 2025 STATE OF CALIFORNIA

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2	ADDENDUM #2	08/16/2023	

B.M.: THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508'

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

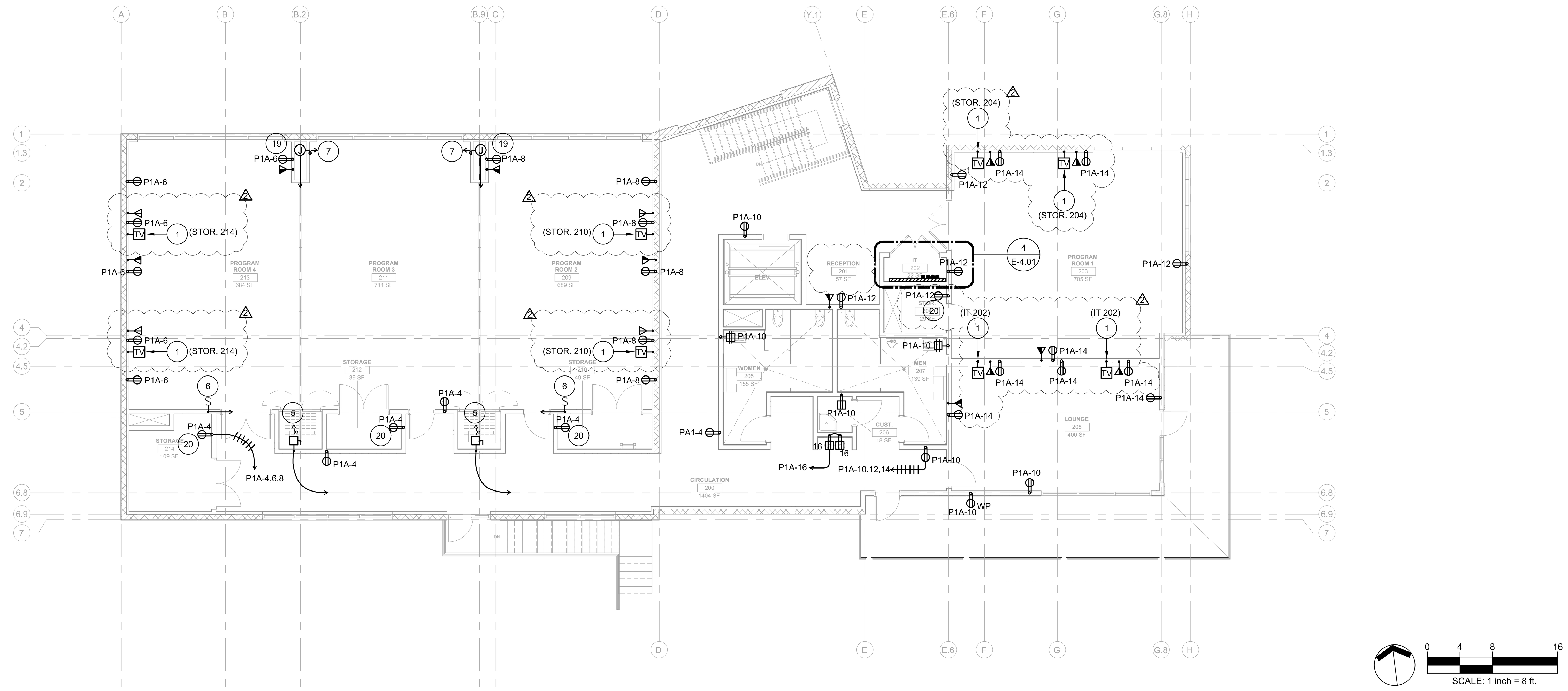
DOOR SCHEDULE
COMMUNITY AQUATICS & SENIOR CENTER
A52.1

	INITIAL	DATE
DESIGNED BY	AP/EC	05/25/2022
DRAWN BY	NC	06/20/23
CHECKED BY	DB	06/29/23

APPROVED BY:

APPROVED BY: DIRECTOR OF PUBLIC WORKS

SHT. 69 OF 176 DWG. NO. 5-2606



BUILDING SECOND FLOOR POWER & SIGNAL PLAN | SCALE: 1/8"=1'-0" | 2

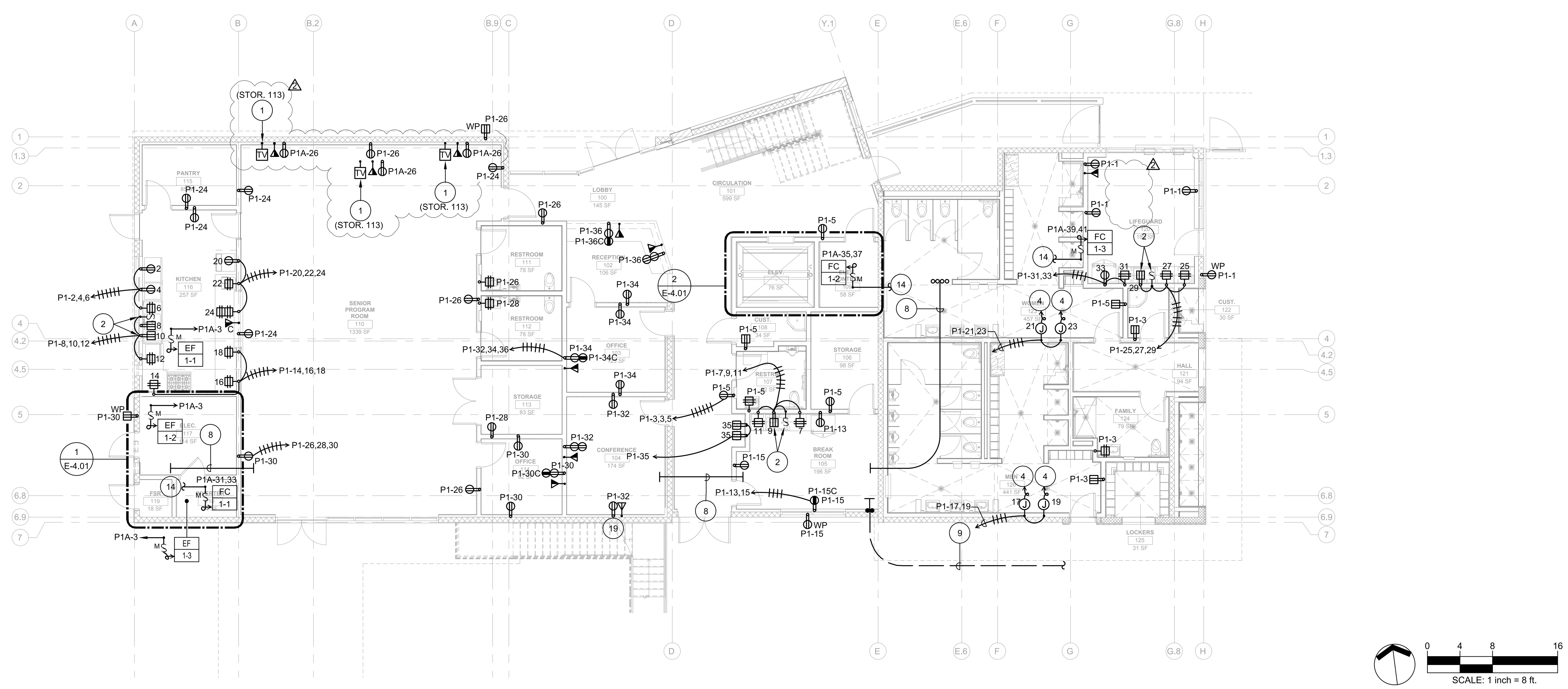
PLAN NOTES

1. OUTLETS FOR MONITOR . COORDINATE EXACT LOCATION & MOUNTING HEIGHT WITH ARCHITECT. REFER TO SYMBOLS LIST ON E-0.01 FOR OUTLET BOX REQUIREMENTS.
2. RECEPTACLE & SWITCH FOR GARBAGE DISPOSAL. MOUNT SWITCH +6" ABOVE COUNTER SPLASH. MOUNT RECEPTACLE UNDER SINK IN CABINET SPACE.
3. STUB INTO ACCESSIBLE CEILING SPACE.
4. CONNECT AS REQUIRED TO HAND DRYER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT.
5. CONNECT AS REQUIRED TO MOTORIZED PARTITION. PROVIDE WIRING AND CONNECTIONS AS REQUIRED PER MANUFACTURERS REQUIREMENTS FOR A COMPLETE AND OPERABLE PARTITION.
6. SWITCH FOR PARTITION CONTROL. PROVIDE WIRING AND CONNECTIONS AS REQUIRED. COORDINATE EXACT LCOATION WITH ARCHITECT.
7. PARTITION SYSTEM LIMIT SWITCH. PROVIDE WIRING AND CONNECTIONS AS REQUIRED PER MANUFACTURERS REQUIREMENTS FOR A COMPLETE AND OPERABLE PARTITION. PROVIDE 3/4"C. WITH WIRING AND CONNECTIONS AS REQUIRED TO PARTITION MOTOR.
8. (1) 2"C. (TELECOM.) & (3) 2"C.O. (ACCESS, SECURITY & CCTV) STUB INTO ACCESSIBLE CEILING SPACE AND UP INTO 2nd FLOOR IT CLOSET.
9. LOW VOLTAGE CONDUIT TO POOL BUILDING. REFER TO NOTE #5 ON E-1.01 FOR QUANTITIES, SIZE AND CONTINUATION.
10. 3/4"C. - 3#12,1#12 GRD.
11. 3/4"C. - 3#10, 1#10 GRD.
12. 3/4"C.-2#12,1#12 GRD.
13. TO RECEPTACLE CIRCUIT IN ROOM.
14. POWERED BY OUTDOOR UNIT ON ROOF. PROVIDE 3/4"C.-2#12,1#12 GRD. TO RESPECTIVE OUTDOOR INIT ON ROOF.
15. CONTROLLED BY LINE VOLTAGE T-STAT. COORDINATE EXACT LOCATION & REQUIREMENTS WITH MECHANICAL.
16. DDC CONTROL PANEL BY MECHANICAL. COORDINATE LOCATION & REQUIREMENTS WITH MECHANICAL.
17. PROVIDE POWER CONNECTION TO AUTO SENSOR FOR FAUCETS AND URINALS. PROVIDE 3/4"C.-2#12, 1#12 GRD. FROM RESTROOM RECEPTACLE CIRCUIT P1-#. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING.
18. RECEPTACLES FOR MICROWAVE BELOW COUNTER. COORDINATE EXACT LOCATION WITH ARCHITECT.
19. RECEPTACLE AVAILABLE FOR ASSITIVE LISTENING SYSTEM.
20. AUDIO/VISUAL (AV) EQUIPMENT LOCATION IN STORAGE ROOM. COORDINATE EXACT LOCATION WITH OWNER.

POWER & SIGNAL GENERAL NOTES:

1. ALL WALL MOUNTED DEVICE HEIGHTS SHALL BE VERIFIED WITH ARCHITECTURAL ROOM ELEVATIONS PRIOR TO ROUGH-IN.
2. PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH AN APPROVED FIRE STOP SYSTEM EQUAL TO OR GREATER THAN THE RATING OF THE WALL BEING PENETRATED.
3. ALL DEVICES MOUNTED BACK-TO-BACK ON COMMON WALLS SHALL BE INSTALLED IN SEPARATE BOXES OFFSET 24-INCHES MINIMUM OR PROVIDED WITH PUTTY OR ANOTHER APPROVED SOUNDPROOF BACKING.
4. WHEN EXPOSED CEILING OR OPEN GRID CONDITIONS EXIST, CONTRACTOR SHALL PROVIDE:
   - A. ALL BRANCH CIRCUITS TO BE INSTALLED IN EMT.
   - B. ALL BRANCH CIRCUITS SHALL BE ROUTED PARALLEL TO BUILDING STRUCTURES AND RACKED NEATLY IN GROUPS OF MULTIPLE PATHWAYS.
   - C. ALL LOW VOLTAGE CABLES SHALL BE:
     - 1) INSTALLED IN EMT CONDUIT PATHWAYS OR
     - 2) INSTALLED NEATLY IN CABLE MANAGEMENT OPEN BASKET OR LADDER TYPE WIREWAY SUPPORTED INDEPENDENTLY FROM STRUCTURE ABOVE.

   EXPOSED LOW VOLTAGE CABLING IN OPEN TYPE CEILING APPLICATIONS INSTALLED ON D-RINGS, J-HOOKS OR SIMILAR APPARATUS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY ARCHITECT/ENGINEER PRIOR TO ANY ROUGH-IN OR INSTALLATION. CONTRACTOR SHALL INCLUDE AN ALLOWANCE IN HIS BASE BID FOR THE INSTALLATION OF LOW VOLTAGE CABLES IN OPEN CEILING AS DESCRIBED.
5. EXPOSED CABLE/CONDUCTORS INSTALLED IN A PLENUM SPACE SHALL BE LISTED FOR SUCH ENVIRONMENT AND INSTALLATION SHALL CONFORM TO NEC OR CEC WHERE ADOPTED ARTICLE 300.22(C).
6. ALL RECEPTACLES MOUNTED AT 5-FEET-6-INCHES OR LOWER SHALL BE TAMPER-RESISTANT TYPE, EXCEPT RECEPTACLES FOR FIXED APPLIANCES AND/OR EQUIPMENT.
7. COORDINATE LOCATION OF ALL OUTLETS, RECEPTACLES, AND SWITCHES WITH ARCHITECT PRIOR TO ROUGH-IN.



BUILDING FIRST FLOOR POWER & SIGNAL PLAN | SCALE: 1/8"=1'-0" | 1

SMOKE/FIRE DAMPER (SFD) GENERAL NOTES:

1. ELECTRICAL PLANS DO NOT SHOW ELECTRICAL REQUIREMENTS FOR SMOKE/FIRE DAMPERS (SFD). PROVIDE ALL CONDUIT, WIRE, J-BOXES, OUTLET BOXES, ETC. REQUIRED FOR A COMPLETE AND OPERABLE MECHANICAL INSTALLATION. CONNECT NO MORE THAN TEN DAMPERS PER CIRCUIT. REFER TO DETAIL 1/E-0.01.
2. REFER TO MECHANICAL PLANS FOR SMOKE/FIRE DAMPER LOCATIONS AND QUANTITIES.
3. PROVIDE QUANTITY OF AREA AND/OR DUCT SMOKE DETECTORS AS REQUIRED.
4. POWER FOR SMOKE/FIRE DAMPERS TO BE CONTROLLED BY FIRE ALARM RELAY OPERATED BY FIRE ALARM PANEL. CONTACT OF RELAY TO OPEN WITH FIRE ALARM CONDITION DISCONNECTING POWER FROM DAMPERS.

CONTROLLED RECEPTACLE DETAIL

"#, #C — DUPLEX

"#, #C — DOUBLE DUPLEX

NOTE:

SUBSCRIPT / SUPERSCRIPT "#,#C" INDICATES SPLIT WIRED RECEPTACLE CONTROLLED BY ROOM'S LIGHTING CONTROLS. REFER TO LIGHTING CONTROL SYSTEM DIAGRAM ON SHEET E002A FOR ADDITIONAL REQUIREMENTS. CONTROLLED PORTION OF RECEPTACLE SHALL BE IMPRINTED "CONTROLLED". REFER TO SYMBOLS LIST FOR ADDITIONAL INFORMATION.

BRANCH CIRCUIT GENERAL NOTES

1. FOR CLARITY, SOME BRANCH CIRCUIT CONDUIT & CONDUCTOR REQUIREMENTS HAVE NOT BEEN SHOWN ON PLANS FOR POWER BRANCH CIRCUITS. FOR POWER THROUGHOUT ALL SPACES, PROVIDE CONDUIT AND CONDUCTORS IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS. PROVIDE #12 CONDUCTORS UNLESS SPECIFICALLY NOTED OTHERWISE.

FBA Engineering / Plot Date: 8/15/2023 11:22 AM / Plotted by: Steve Roth / Drawing Location: I:\535\050\E-3.01_535050.dwg

BASIS OF BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF 162 ND STREET (FORMERLY MARKET STREET) BEING N 89° 55' 30" E SHOWN ON TRACT NO. 10901, M.B. 254/31-32

BENCHMARK:

THE CITY OF GARDENA BENCHMARK NO. 5D-15 ELEV. = 43.508

CONSULTANT:
FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 535050
05/01/2023

PREPARED UNDER THE SUPERVISION OF:
RJM DESIGN GROUP
31591 Camino Capistrano
San Juan Capistrano, CA 92675
www.RJMdesigngroup.com
(949) 493-2690 fax
(949) 493-2600 phone

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED
1	90% CD SUBMITTAL	12/15/2022	
2	100% CD SUBMITTAL	05/01/2023	
3	FINAL SUBMITTAL	06/30/2023	
2 (triangle)	ADDENDUM 2	08/16/2023	

CITY OF GARDENA
DEPARTMENT OF PUBLIC WORKS - ENGINEERING

BUILDING POWER & SIGNAL PLANS

COMMUNITY AQUATICS & SENIOR CENTER
E-3.01

	INITAL	DATE
DESIGNED BY	SR	11/14/2022
DRAWN BY	SR	06/18/2023
CHECKED BY	BZ	06/29/2023

APPROVED BY:
DATE — DIRECTOR OF PUBLIC WORKS

SHT. 156 OF 176 — DWG. NO. 5-2606

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PLOT TIME: 8/15/2023 11:22:18 AM