LEGEND

- Landscape per Landscape Plan
- Property Line
- Existing Line
- Limits of Work
- Matchline See Construction Note
- Matchline Per Construction Note
- Pedestrian Crossing

CONSTRUCTION NOTES

1. ALL STRIPING, MARKINGS AND LEGENDS SHALL BE REFLECTORIZED THERMOPLASTIC UNLESS OTHERWISE NOTED.

PAINT 6" YELLOW STRIPE PER 2018 CALTRANS STD PLAN A20A, DETAIL 21, SHEET C6.3.

INSTALL SINGLE ACCESSIBLE PARKING STALL PER CALTRANS STANDARD PLAN A90A. SEE DETAIL 20, SHEET C6.7.

PAINT TYPE I 10' ARROW PER CALTRANS STD PLAN A24A. SEE DETAIL 17, SHEET C6.4.

PAINT 12" WHITE LIMIT LINE (STOP LINE) PER CALTRANS STD PLAN A24E. SEE DETAIL 18, SHEET C6.5.

INSTALL 6' WHEEL STOPS. SEE DETAIL 33, SHEET C6.9.

REMOVE EXISTING CROSSWALK STRIPING BY SANDBLASTING. PAINT 10' WIDE CONTINENTAL WHITE CROSSWALK CENTER ON RAMPS PER CALTRANS STD PLAN A24F. SEE DETAIL 19, SHEET C6.6.

PAINT WHITE "KEEP CLEAR" PAVEMENT MARKING PER CALTRANS STD PLAN A24E. SEE DETAIL 18, SHEET C6.5.

LOADING ZONE ONLY SIGNAGE. OWNER TO FURNISH, CONTRACTOR TO INSTALL. SEE SIGN POST DETAIL BELOW.

NO PARKING, FARM/LABORER INDUSTRIAL LOADING ONLY SIGNAGE. OWNER TO FURNISH, CONTRACTOR TO INSTALL. SEE SIGN POST DETAIL BELOW.

OWNER TO FURNISH, CONTRACTOR TO INSTALL BUS STOP SIGNAGE PER 2014 ICTC BUS STOP DESIGN AND SAFETY GUIDELINE HANDBOOK, FIGURES 8 AND 9. SEE SIGN POST DETAIL BELOW.

CONTRACTOR TO INSTALL POLICE AND SECURITY PARKING ONLY SIGNAGE. SEE SIGN POST DETAIL BELOW.

SIGNING AND STRIPING NOTES

ALL SIGNING AND STRIPING TO BE CONSUMED OR REMOVED AS REQUIRED. ALL OTHER CONDITIONS AND NOTES SHALL BE CONSUMED OR REMOVED AS REQUIRED. OTHERWISE NOTES.
<table>
<thead>
<tr>
<th>Point #</th>
<th>Bearing</th>
<th>Distance</th>
<th>Remarks</th>
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<tr>
<td>1</td>
<td>N00° 25' 14.25&quot; W</td>
<td>320.00'</td>
<td>6&quot; CURB</td>
</tr>
<tr>
<td>2</td>
<td>S82° 07' 05.88&quot; E</td>
<td>20.00'</td>
<td>6&quot; CURB</td>
</tr>
<tr>
<td>3</td>
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<td>11.00'</td>
<td>6&quot; CURB</td>
</tr>
<tr>
<td>4</td>
<td>S89° 35' 04.42&quot; W</td>
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<td>6</td>
<td>S89° 35' 04.40&quot; E</td>
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<td>7</td>
<td>S89° 35' 04.40&quot; W</td>
<td>9.78'</td>
<td>6&quot; CURB</td>
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</table>

Note: For clarity, the table includes bearings and distances, with remarks indicating the type of curb work to be performed.
THE RAMP SHALL HAVE A 12" WIDE BOARDER WITH 1/4" GROOVES APPROXIMATELY 3/4" OC. SEE GROOVING DETAIL ON DETAIL 3, SHEET 6.0. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS SHALL BE PER CONTRACT DOCUMENTS.

C6.1

SEWER LATERAL PROFILE
NOTES:
1. LATERAL SIZE SHALL BE 6" WIDE AS SHOWN ON THE APPROVED PLANS.
2. LATERAL SHALL BE INSTALLED TO PROPERTY LINE, AS SHOWN IN DETAIL 6.0.
3. PLACE CURVATURE SECTIONS 1'-0" OVER TOP AND 4" UNDER BOTTOM OF LATERAL. INSTALL DETECTABLE DIP IN TYPE 2'-0" ABOVE TOP OF THE LATERAL, FROM THE CURVE TO THE END OF THE LATERAL.
4. SEE MATERIALS LIST FOR APPROVED MATERIALS.
5. SEWER LATERAL SHALL HAVE A 1'-0" MINIMUM SEPARATION FROM WATER LATERAL.
6. ALL JOINTS ON SEWER LATERAL PIPE SHALL BE EPOXY.
7. MATERIALS SHALL BE SHAPED OR ENGRAVED ON TOP OF Curb OVER THE LATERAL. LATERAL SHALL BE 2'-0" WIDE AND 4'-0" DEEP.

SEWER LATERAL DETAILS

C6.1

CURB RAMP DETAILS

DETECTABLE WARNING SURFACE

IMPERIAL COUNTY
PUBLIC WORKS DEPARTMENT
EL CENTRO, CALIFORNIA

SEWER LATERAL DETAILS

NOTES:
1. LATERAL SIZE SHALL BE 6" WIDE AS SHOWN ON THE APPROVED PLANS.
2. LATERAL SHALL BE INSTALLED TO PROPERTY LINE, AS SHOWN IN DETAIL 6.0.
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7. MATERIALS SHALL BE SHAPED OR ENGRAVED ON TOP OF Curb OVER THE LATERAL. LATERAL SHALL BE 2'-0" WIDE AND 4'-0" DEEP.
ENGINEERING DIVISION

N.T.S.

C6.8

N.T.S.

4" MIN 4,500 PSI PORTLAND CEMENT CONCRETE (TYPE V). ON 12" GRANULAR FILL COMPACTED TO A MIN. 90% OF ASTM D1557 MAX DENSITY. COLOR/TEXTURE/SAWCUT JOINTS PER LANDSCAPE PLANS. PROVIDE EXPANSION JOINTS (EJ) WHERE SHOWN ON LANDSCAPE PLANS AND ADJACENT TO EXISTING PAVEMENT BEING JOINED. PROVIDE CONTROL JOINTS AT 10' MAX. INTERVALS. COORDINATE WITH JOINTS ON LANDSCAPE PLANS.

N.T.S.

C6.8

N.T.S.

12" MOISTURE CONDITIONED NATIVE CLAY SOIL COMPACTED TO A MIN. 90% (95% IF SAND SUBGRADE) OF THE MAX DRY DENSITY DETERMINED BY ASTM D1557.

8" MIN 4,500 PSI PORTLAND CEMENT CONCRETE (TYPE V) ON 11" MIN. CLASS 2 AGGREGATE BASE COMPACTED TO 95% MAXIMUM DRY DENSITY. PROVIDE EXPANSION JOINTS (EJ) WHERE SHOWN ON PLANS (SHEET C3.0) AND ADJACENT TO EXISTING PAVEMENT BEING JOINED. PROVIDE CONTROL JOINTS AT 24" (MAX) INTERVALS E/W.

N.T.S.

C6.8

5" MIN AC ON 17.5" MIN. CLASS 2 AGGREGATE BASE COMPACTED TO 95% MAXIMUM DRY DENSITY.

8" SCARIFIED NATIVE SOIL, MOISTURE CONDITIONED TO A MIN. 5% OVER OPTIMUM, AND RECOMPACTED TO 85-90% OF ASTM D1557 MAX DENSITY.

12" MOISTURE CONDITIONED NATIVE CLAY SOIL COMPACTED TO A MIN. 90% (95% IF SAND SUBGRADE) OF THE MAX DRY DENSITY DETERMINED BY ASTM D1557.

1. PROVIDE EXPANSION JOINTS (EJ) AT LOCATIONS SHOWN ON PLANS AND ADJACENT TO STRUCTURES OR EXISTING PAVEMENT BEING JOINED.
2. PROVIDE CONTROL JOINTS AT 10' MAX. INTERVALS.

NOTES:

1. PROVIDE EXPANSION JOINTS (EJ) AT LOCATIONS SHOWN ON PLANS AND ADJACENT TO STRUCTURES OR EXISTING PAVEMENT BEING JOINED.
2. PROVIDE CONTROL JOINTS AT 10' MAX. INTERVALS.
SLOPE TO DRAIN TO ONE SIDE. ALL EXPOSED METAL PARTS TO BE GALVANIZED. SCREWS TO BE STAINLESS STEEL GRADE 316.

"X" X " L" FRAME WITH " X " STEEL STRIP WELDED TO FRAME.

CHECKERED PLATE SHALL BE GALVANIZED STEEL, MAXIMUM WIDTH 36". FASTEN WITH 1/4" COARSE-THREAD COUNTERSINK SCREWS. SCREWS SHALL BE STAINLESS STEEL GRADE 316.

PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL, UNLESS OTHERWISE NOTED.

DEVICES AND INSTALLATIONS SHALL COMPLY WITH LOCAL, HEALTH AND INSECTS REQUIREMENTS.

VALUE ASSEMBLIES MAY HAVE SUNKEN OR PLAIN FITTINGS.

CONCRETE PIPE SHALL BE WELDED AND BASED WITH AN APPROVED CEMENT COUPLING.

PLASTIC PIPE SHALL NOT BE USED ABOVE FROZEN GRADE.

48" DIAMETER PERKFILTER MANHOLE DETAILS

BACKFLOW PREVENTER ASSEMBLY DOUBLE CHECK TYPE

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

S11-3

BACKFLOW PREVENTION DEVICE DETAIL

WHEEL STOP DETAIL

PERKFILTER®

Oldcastle Infrastructure®

C6.9

C6.10

N.T.S.
NO. BY: REVISION COMMENTS APPROVED BY:

ENGINEER

ROCKWOOD AVE
NEW BUS CANOPY
PROJECT SITE

SEAL: APPROVED BY:

THIRD STREET (NEW BUILDING)
- AREA.
AND HEFFERNAN AVENUE INTERSECTION (APN 058-484-001, APN 058-484-002, AND
TRELLIS, SHADE CANOPY NEAR BUILDING, AND (4) CANOPY AT BUS STOPPING
CENTER IS PLANNED TO INCLUDE A SINGLE-STORY TICKET BOOTH, BUS DRIVER
NEW INTERMODAL TRANSPORTATION CENTER FOR IMPERIAL COUNTY

THE PROJECT IS LOCATED AT THE SOUTHWEST CORNER OF THE THIRD STREET
VICINITY OF THE CENTER OF THE CITY. THE PROJECT SITE IS BOUND ON THE
SOUTH BY A SERVICE ALLEY ACROSS WHICH EXISTING BUSINESSES EXIST.

ENGINEER

ROCKWOOD AVE
NEW BUS CANOPY
PROJECT SITE

SEAL: APPROVED BY:

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VICINITY OF THE CENTER OF THE CITY. THE PROJECT SITE IS BOUND ON THE
SOUTH BY A SERVICE ALLEY ACROSS WHICH EXISTING BUSINESSES EXIST.
GENERAL INFORMATION

OWNER:
IMPERIAL COUNTY TRANSPORTATION COMMISSION (ICTC)

SITE ADDRESS:
244 E 3RD STREET, CALEXICO, CA 92231

AUTHORITY HAVING JURISDICTION:
CITY OF CALEXICO, CALIFORNIA, DEPARTMENT OF PUBLIC WORKS, BUILDING AND SAFETY, FIRE DEPARTMENT

CODES IN EFFECT:
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, 2019
PART 1 - CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE
PART 2 - CALIFORNIA BUILDING CODE (CBC)
PART 3 - CALIFORNIA ELECTRICAL CODE (CEC)
PART 5 - CALIFORNIA PLUMBING CODE (CFC)
PART 6 - CALIFORNIA FIRE CODE
PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)
CALIFORNIA BUILDING CODE (CBC)
CALIFORNIA FIRE CODE
CALIFORNIA REFERENCE STANDARDS CODE

COMMERCIAL ZONES

NOTE: REFER TO LIFE SAFETY / OCCUPANCY PLANS FOR OCCUPANT LOADS, PLUMBING FIXTURE COUNTS AND MEANS OF EGRESS INFORMATION.

EASEMENTS AND SETBACKS
LAND USE: PARCEL IS ZONED AS "CS" COMMERCIAL SPECIALTY ZONE INTENDED TO PROVIDE FOR THOSE COMMERCIAL USES INCLUDING MIXED-USE DEVELOPMENT CENTRALIZED IN THE OLD DOWNTOWN AREA ALONG THE INTERNATIONAL BORDER.

BUILDING FORM
PER CITY OF CALEXICO - CODE OF ORDNANCES, TITLE 17 - ZONING, CHAPTER 17.03 - COMMERCIAL ZONES:
MAXIMUM HEIGHT OF 35' OR TWO STORIES WHICHEVER IS LESS.
LOT COVERAGE - MAXIMUM 100%.
SETBACK - 12' FRONT;
SETBACK VARIANCE APPLICATION IS IN PROCESS.

PARKING DATA
PER CITY OF CALEXICO - CODE OF ORDNANCES, TITLE 17 - ZONING, CHAPTER 17.13 - 1200, SCHEDULE OF OFF-STREET PARKING REQUIREMENTS - PUBLIC AND NON-PUBLIC USES, 0.5' LOT SIZE REQUIRED, MINIMUM OFF-STREET PARKING REQ. TO BE DETERMINED BY THE CITY COUNCIL.

TOTAL PARKING SPACES.
1 ACCESSIBLE AND 4 PARKING SPACES PROVIDED. SEE SITE PLAN A-180.

BUILDING - LIFE SAFETY / OCCUPANCY PLAN

SITE - CODE ANALYSIS / ACCESSIBILITY PLAN

CODE LEGEND

OWNER:
IMPERIAL COUNTY TRANSPORTATION COMMISSION (ICTC)

SITE ADDRESS:
244 E 3RD STREET, CALEXICO, CA 92231

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TOTAL PARKING SPACES.
1 ACCESSIBLE AND 4 PARKING SPACES PROVIDED. SEE SITE PLAN A-180.
NONRESIDENTIAL MANDATORY MEASURES

5.304.4 5.303.4 5.303.3 5.106.5.3

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

COMMISSIONING

EXCAVATED SOIL AND MOISTURE CONTROL

PLUMBING FIXTURES

WATER METERS

LIGHT POLLUTION

(EV) CHARGING

DESIGNATED PARKING

PREVENTION

POLLUTION

ALTERNATIVE. COMPLIANCE WITH A LOCAL CONSTRUCTION AND DEMOLITION AREA MUST COMPLY WITH THE PERFORMANCE OR PRESCRIPTIVE MEASURE REQUIREMENTS. ANCHORED BICYCLE RACKS WITHIN 200 FEET OF THE VISITORS' ENTRANCE ARE REQUIRED FOR NEWLY CONSTRUCTED BUILDINGS. COMMISSIONING IS REQUIRED FOR NEW BUILDINGS 10,000 SQUARE FEET AND OVER. FLOOR AREA, PROVIDE RECYCLING ON SITE.

RESULTING FROM LAND CLEARING SHALL BE REUSED OR RECYCLED, UNLESS SUBSTRATE SPECIFIC APPLICATIONS ARE NEEDED. SUBSTRATE SPECIFIC APPLICATIONS INCLUDE, AS APPLICABLE TO THE PROJECT:

- ARCHITECTURAL APPLICATIONS
- SPECIALTY COATINGS
- FORM-RELEASE COMPOUNDS
- FLOOR COATINGS
- CONCRETE/MASONRY SEALERS
- SWIMMING POOL COATINGS
- MULTI- COLOR COATINGS
- OPAQUE NONFLAT COATINGS
- REACTIVE PENETRATING SEALERS
- POREOUS MATERIAL (EXCEPT WOOD)
- RUBBER FLOOR ADHESIVES
- CPVC WELDING
- PVC WELDING
- SELLITECH WELDING
- PTFE WELDING
- OTHER ADHESIVES NOT SPECIFICALLY LISTED

FORM EFFECTIVE: NOVEMBER 1, 2019

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS

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<td>Wood Adhesives</td>
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TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL ADHESIVES AND SEALANTS

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TABLE 5.506.1 - OUTSIDE AIR DELIVERY

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<tr>
<td>INDOOR AND OUTDOOR LIGHTING</td>
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TABLE 5.506.2 - SIMILARITY UNIT LIMIT

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TABLE 5.508.1 - OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS

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TABLE 5.508.2 - POLYPHOSPHATE INHIBITOR LIMIT

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TABLE 5.508.3 - FORMALDEHYDE LIMITS

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TABLE 5.508.4 - VOC CONTENT LIMITS FOR ARCHITECTURAL ADHESIVES AND SEALANTS

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TABLE 5.509.4 - FORMALDEHYDE LIMITS

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TABLE 5.509.5 - VOC CONTENT LIMITS FOR ARCHITECTURAL ADHESIVES AND SEALANTS

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TABLE 5.510.1 - OUTSIDE AIR DELIVERY

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<tbody>
<tr>
<td>HVAC SYSTEMS AND CONTROLS</td>
<td></td>
</tr>
<tr>
<td>INDOOR AND OUTDOOR LIGHTING</td>
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</tbody>
</table>

TABLE 5.510.2 - SIMILARITY UNIT LIMIT

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
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<td>INDOOR AND OUTDOOR LIGHTING</td>
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</table>

TABLE 5.510.3 - OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Limit</th>
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TABLE 5.510.4 - FORMALDEHYDE LIMITS

<table>
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<tr>
<td>INDOOR AND OUTDOOR LIGHTING</td>
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</tbody>
</table>

TABLE 5.510.5 - VOC CONTENT LIMITS FOR ARCHITECTURAL ADHESIVES AND SEALANTS

<table>
<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HVAC SYSTEMS AND CONTROLS</td>
<td></td>
</tr>
<tr>
<td>INDOOR AND OUTDOOR LIGHTING</td>
<td></td>
</tr>
</tbody>
</table>
KEYNOTES

1 2' X 2' ACOUSTICAL TILE CEILING
2 GYPSUM CEILING BOARD, REGULAR TYPE
3 OPEN TO STRUCTURE ABOVE
4 RECESSED DOWNLIGHT, SEE ELECTRICAL DRAWINGS
5 RECESSED LINEAR LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
6 PERIMETER LED COVE LIGHT FIXTURE PER DETAIL 9/A-550, SEE ELECTRICAL DRAWINGS
7 SUSPENDED LINEAR LED LIGHT FIXTURE, BOTTOM OF FIXTURE 9'-0" TYP; SEE ELECTRICAL DRAWINGS
8 24"X36" ROOF HATCH AND LADDER, SEE SHEET A-543 FOR DETAILS
9 METAL DECK, GALVANIZED AND PAINTED PT-3
10 SUSPENDED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS

GENERAL RCP NOTES

A ALL CEILING HEIGHTS SHALL BE 9'-0" AFF U.N.O.
B FIXTURES NOT DIMENSIONED SHALL BE LOCATED IN THE CENTER OF THE SPACE BOTH WAYS OR PLACED IN GRID AS SHOWN
C ALL AREAS SHOWN BLANK SHALL BE EXPOSED TO STRUCTURE ABOVE, U.N.O.
D GYPSUM CEILING TO BE PAINTED PT-1, U.N.O.
E SEE CEILING JOIST SCHEDULE IN STRUCTURAL DRAWINGS FOR CEILING JOIST SIZE AND SPACING
J ALL INTERIOR EXPOSED STRUCTURE IN MAINTENANCE AREAS, MECHANICAL DUCTWORK, PIPING, CONDUIT, ETC. TO BE PAINTED PT-2, U.N.O.
K BOTTOM OF SUSPENDED LINEAR LIGHTS IN AREAS OPEN TO STRUCTURE SHALL BE 9'-6" AFF, U.N.O.
L MECHANICAL DUCTWORK SHOWN FOR REFERENCE ONLY, SEE MECHANICAL DRAWINGS FOR COMPLETE MECHANICAL LAYOUTS.
M REFER TO G-SERIES CODE PLANS AND ELECTRICAL DRAWINGS FOR LOCATIONS OF EXIT SIGNS.
N ALL MECH DIFFUSERS LOCATED IN GB-1 AND ACT-1 ARE WHITE, U.N.O.
R ALL EXTERIOR WINDOWS IN OFFICE AREAS TO RECEIVE 1" MINI BLIND, U.N.O.

BUILDING REFLECTED CEILING PLAN

RCP LEGEND

ACT CEILING, TYP
COMPUTER ROOM CEILING, TYP
Gypsum Board Ceiling, TYP
INET CEILING, TYP
OPEN TO STRUCTURE ABOVE
RECESSED LINEAR LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
SUSPENDED LINEAR LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
SUSPENDED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
TYPICAL CEMENT BOARD CEILING, TYP
WAVESTEM OF DICH
WAVESTEM RECESSED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
WAVESTEM SUSPENDED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
WAVESTEM SURFACE MOUNT DISCRETE LIGHT
WAVESTEM SURFACE MOUNT UTILITY LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
WAVESTEM TERMINAL BLOCK
WAVESTEM WAVESTEM LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
WAVESTEM WAVESTEM LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
WAVESTEM WAVESTEM LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
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WAVESTEM WAVESTEM LED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
WAVESTEM WAVESTEM LED LIGHT FIXTURE, SEE ELECTRIC
A - 211

A - 311

3.1

TYP

1

TYP

2

TYP

3

TYP

4

SLOPE

(1/4" : 12" MIN)

A - 212

A - 312

1

A - 713

1

A - 452

1

SLOPE

1/4" / 12"

min

A - 113

AC

JA

03/24/2022

BUILDING − ROOF PLAN

1/4" = 1'-0" A-113

GENERAL NOTES

A DO NOT SCALE DRAWINGS.

B ALL ROOFS TO HAVE MINIMUM OF 1/4" PER FOOT SLOPE UNLESS OTHERWISE NOTED.

C REFER TO MECHANICAL DRAWINGS FOR COORDINATION OF ROOF TOP UNITS, EXHAUST FANS AND OTHER MECHANICAL EQUIPMENT.

D REFER TO AND COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

E ALL CRICKETS TO BE CONSTRUCTED FROM BUILT-UP RIGID INSULATION, INSTALL ON THE UP SLOPE SIDE OF ALL SLOPE OBSTRUCTIONS, UNLESS OTHERWISE NOTED.

F ALL CORNER COPING/PARAPET DETAILS TO BE MITERED, UNLESS OTHERWISE NOTED.

G SEE SHEET A-501 FOR TYPICAL ROOF DETAILS.

H FOR ALL ROOFING PENETRATIONS AND FLASHINGS NOT SPECIFICALLY INDICATED, PROVIDE ROOFING MFR TYPICAL FLASHINGS AS REQUIRED.

BEFORE TILING OR INSTALLATION, CHECK WITH ENGINEER TO MAKE SURE CORRECT MATERIALS ARE USED.

EVR-PRESSURE TIGHT STRAP OR BANDAGED TO FLANGE AND BASE PLATE WHERE REQUIRED.

1 CRICKETS AS REQUIRED WITH SLOPED INSULATION TO MAINTAIN 1/4":12" SLOPE TO DRAIN

2 ROOF AND OVERFLOW DRAIN, SEE PLUMBING DRAWINGS

3 24"X36" ROOF HATCH AND LADDER, SEE SHEET A-543 FOR DETAILS

4 ROOFING TYPE 1, SEE 4/A-500

5 METAL TRELLIS, GALVANIZED AND PAINTED, SEE DETAILS

6 MECHANICAL EQUIPMENT PAD, SEE STRUCTURAL DRAWINGS

7 CONCEALED METAL GUTTER, DRAIN PIPE LOCATED WITHIN THE HSS COLUMN AND CONNECTED TO STORM WATER SYSTEM BELOW GRADE

8 MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS

9 METAL DECK, GALVANIZED AND PAINTED PT-3

0 2' 4' 8'

KEYNOTES

N

BUILDING ROOF PLAN

P

BUILDING − ROOF PLAN

1/4" = 1'-0" A-113
KEYNOTES

1 42" HIGH PICKET FENCE, SEE LANDSCAPE DRAWINGS
2 FULL HEIGHT 8" CMU WALL, SEE ELEVATIONS FOR EXTERIOR FINISHES
3 METAL TRELLIS, GALVANIZED AND PAINTED, SEE DETAILS
4 CLOSURE PLATE AT THE TOP OF HSS COLUMN
5 ROOFING TYPE 1, SEE 4/A-500
6 24"X36" ROOF HATCH AND LADDER, SEE SHEET A-543 FOR DETAILS
7 COMPOSITE METAL DECKING ON TRELLIS SEE ROOF PLAN FOR LOCATION
8 CONCRETE COLUMN CAP
9 FURNITURE FF&E, OF/OI
10 SUSPENDED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
11 2' X 2' ACOUSTICAL TILE CEILING
12 SUSPENDED LINEAR LED LIGHT FIXTURE, BOTTOM OF FIXTURE 9'-0" TYP; SEE ELECTRICAL DRAWINGS
13 GYPSUM CEILING BOARD, REGULAR TYPE
14 HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER
15 SS TUBING WITH SATIN FINISH PROTECTIVE RAILINGS ON DRINKING FOUNTAINS SEE 2/A-541
16 MICROWAVE, OF/OI
17 PLASTIC-LAMINATE OPEN-FRONT CABINET WITH ADJUSTABLE SHELVING
18 CORIAN COUNTERTOP WITH PLASTIC-LAMINATE BASE CABINETS

GENERAL NOTES

1. REFER TO A-452 FOR DOOR & WINDOW SCHEDULE
2. ELEVATIONS SHOWN ARE TO THE TOP OF WALL
3. SEE A-311 FOR PARTITION TYPES
4. REFER TO A-311 FOR EXTERIOR & ROOF DETAILS
5. REFER TO A-601 FOR PARTITION TYPES
6. SEE STRUCTURAL DRAWINGS FOR ALL SLAB/FOOTING DETAILS, TYP

STANTEC PROJECT MANAGERS
100% SUBMITTAL  -  NOT FOR CONSTRUCTION

1430 S. Figueroa Street, Suite 300
Los Angeles, CA 90017
Tel: (213) 955-9775  www.stantec.com

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1430 S. Figueroa Street, Suite 300
Los Angeles, CA 90017
Tel: (213) 955-9775  www.stantec.com
Break Room 110 - North

Driver Restroom 108 - North

Driver Restroom 108 - East

Driver Restroom 108 - South

Driver Restroom 108 - West

Keynotes:

1. Corian countertop with plastic-laminate base cabinets
2. Microwave, OF/OI
3. Recessed combination paper roll dispenser/waste receptacle
4. Recessed combination toilet seat cover dispenser, sanitary napkin disposal and toilet tissue dispenser
5. Perimeter LED cove light fixture per detail 9/A-550, see electrical drawings
6. Grab bars: 36" (back wall), 42" (side wall) TYP
7. Wall mounted water closet, ADA compliant
8. Door and frame, see door schedule
9. Liquid soap dispenser
10. Lavatory, wall hung
11. 24" wide x 36" high mirror

General Int. Elevation Notes:

A. Refer to A-001, and A-002 for project general notes, reference and material symbols, and abbreviations used on this drawing.
B. Refer to A-051, A-052, A-053, and A-054 for standard mounting heights including, but not limited to, sizes, locations and mounting heights of ADA grab bars and other toilet accessories.
C. Contractor to provide blocking/backing plates per structural drawings as required in partitions for all wall mounted equipment.
D. Not all toilet accessories are keynoted in each drawing. If toilet accessory is noted in one location, it is to be assumed to be required in all other similar locations and applications.
E. Refer to sheet A-112 for light fixture types.
F. Provide all new toilet accessories per specifications.
G. Accessible water closet compartments shall have self-closing doors. Door pulls shall be placed on both sides of the door near the latch.
H. All exposed tile edges to have metal edge strips per "Ceramic Tiling" specification.
I. Refer to A-600 for interior finish schedule and legend.
Fence Details

- 4" X 4" TS COLUMN, TYP
- 2" X 2" SQ RAILS, TYP
- PICKET 1" SQ W/ SQUARE TOPS @ 4" O.C., TYP

See Elevations, See Structural

Note: Steel Picket Fence Color to be matched with Landscape 42" H Fence
EXTERIOR WALL CMU-1

EXTERIOR WALL TYPES

ROOF AT CMU

ROOF ASSEMBLY

COPING AT CMU

5/8" GYP BD OVER 3" METAL STUD FURRING @ 16" OC W/ 2" FIBERGLASS BATT W/ (R-6 MINIMUM); ALCONT TO ROOF DECK

FULLY WELDED ROOF MEMBRANE

SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

1/2" METAL DECK SSD, SLOPED 1/4:12 TYP

THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

RIGID INSULATION (MIN R-30)

608 Heber Avenue  Calexico, CA 92231 Tel: 760.768.2100  Fax: 760.768.0854
engineering@calexico.ca.gov  www.calexico.ca.gov

ENGINEERING DIVISION

COPING AT CMU

FULLY WELDED ROOF MEMBRANE

SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

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THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

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SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

1 1/2" METAL DECK SSD, SLOPED 1/4:12 TYP

THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

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ENGINEERING DIVISION

COPING AT CMU

FULLY WELDED ROOF MEMBRANE

SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

1 1/2" METAL DECK SSD, SLOPED 1/4:12 TYP

THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

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ENGINEERING DIVISION

COPING AT CMU

FULLY WELDED ROOF MEMBRANE

SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

1 1/2" METAL DECK SSD, SLOPED 1/4:12 TYP

THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

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ENGINEERING DIVISION

COPING AT CMU

FULLY WELDED ROOF MEMBRANE

SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

1 1/2" METAL DECK SSD, SLOPED 1/4:12 TYP

THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

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ENGINEERING DIVISION

COPING AT CMU

FULLY WELDED ROOF MEMBRANE

SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

1 1/2" METAL DECK SSD, SLOPED 1/4:12 TYP

THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

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SINGLE PLY TPO ROOFING MEMBRANE OVER 1/2" COVER BOARD

1 1/2" METAL DECK SSD, SLOPED 1/4:12 TYP

THERMOPLASTIC - TPO

1/2" GYP COVERBOARD

RIGID INSULATION (MIN R-30)
1 1/2" = 1'-0" A-543

ROOF ACCESS LADDER

ROOF ACCESS LADDER - BOTTOM

ROOF HATCH DETAIL

NOTE:
PAINT LADDER INCLUDING BRACKETS AND FASTENERS, PT

1'-6"

2'-6" MIN CLEAR

3'-0" MIN CLEAR

8" MAX

SEE FLOORPLAN FOR WALL TYPE. PROVIDE STRUCTURAL STUDS AT BRACKETS

3/8" X 2 1/2" CONTINUOUS BAR SIDERAIL

3/4" ROD RUNGS @ 12" O.C., PROVIDE ABRASIVE FINISH ON RUNGS

SUPPORT LADDER TOP AND BOTTOM AND 60" O.C. MIN WITH STEEL BRACKETS

2" X 2" X 4" LONG ANGLES, ATTACH TO WALL THRU PLYWOOD WITH (2) ANCHORS

BASE AS SCHEDULED

NOTE:
PAINT LADDER INCLUDING BRACKETS AND FASTENERS, PT

100% SUBMITTAL - NOT FOR CONSTRUCTION

TRANSIT CENTER
CALEXICO INTERMODAL
PUBLIC IMPROVEMENTS

A-543
### Finish Schedule and Legend

<table>
<thead>
<tr>
<th>Finish</th>
<th>Legend</th>
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<tbody>
<tr>
<td><strong>TILES</strong></td>
<td><strong>Architectural Finishes</strong></td>
</tr>
<tr>
<td><strong>CON</strong></td>
<td><strong>Concrete Masonry Unit</strong></td>
</tr>
<tr>
<td><strong>RB</strong></td>
<td><strong>Rubber Wall Base</strong></td>
</tr>
<tr>
<td><strong>PT</strong></td>
<td><strong>Paints</strong></td>
</tr>
<tr>
<td><strong>CB</strong></td>
<td><strong>Ceiling Finishes</strong></td>
</tr>
<tr>
<td><strong>PP</strong></td>
<td><strong>Polished Concrete</strong></td>
</tr>
<tr>
<td><strong>GB</strong></td>
<td><strong>Base Finishes</strong></td>
</tr>
</tbody>
</table>

#### Abbreviations
- **PT** = Paint
- **FB** = Floor Finish
- **RB** = Rubber Wall Base
- **PP** = Polished Concrete
- **GB** = Base Finish
- **CMU** = Concrete Masonry Unit
- **BRK** = Thin Brick Veneer
- **MP** = Metal Panel
- **EC** = Exterior Finishes

#### Exterior Finishes

<table>
<thead>
<tr>
<th>Exterior Finish</th>
<th>Series</th>
<th>Color</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMU-1 Concrete Masonry Unit</td>
<td>Series: Sandstone</td>
<td>Color: Buff</td>
<td>Type: Precision</td>
</tr>
<tr>
<td>BRK-1 Thin Brick Veneer</td>
<td>Series: Sandstone</td>
<td>Color: Grey</td>
<td>Type: Precision, Size: 4&quot; x 8&quot;</td>
</tr>
<tr>
<td>MP-1 Metal Panel</td>
<td>Series: Primo-Sof Pitt Panel</td>
<td>Color: Silversmith</td>
<td>Type: 12&quot;</td>
</tr>
<tr>
<td>MP-2 Metal Soft Fix Panel</td>
<td>Series: Primo-Sof Pitt Panel</td>
<td>Color: Silversmith</td>
<td>Type: Varies</td>
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#### Paints

<table>
<thead>
<tr>
<th>Paint Type</th>
<th>Color</th>
<th>Mfr.</th>
</tr>
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<tbody>
<tr>
<td>PT-1 Interior Wall &amp; Ceiling Paint</td>
<td>Intensity Pebble</td>
<td>Benjamin Moore</td>
</tr>
<tr>
<td>PT-2 Interior Wall &amp; Ceiling Paint</td>
<td>Space Black</td>
<td>Benjamin Moore</td>
</tr>
<tr>
<td>PT-3 Interior Wall &amp; Ceiling Paint</td>
<td>Dark Bronze</td>
<td>Benjamin Moore</td>
</tr>
<tr>
<td>PT-4 Interior Wall &amp; Ceiling Paint</td>
<td>To Match Metal Panel</td>
<td>MP-1 &amp; MP-2 (Silver Smith)</td>
</tr>
</tbody>
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#### Finishes

<table>
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<tr>
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<tr>
<td><strong>GB</strong></td>
<td><strong>Base Finishes</strong></td>
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**Note:** This document provides a comprehensive list of finishes and associated abbreviations, along with specific details such as color, material, and manufacturer for various architectural and interior design elements.
### PARTITION SCHEDULE - DIAGRAM A50 (ACOUSTIC)

<table>
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<th>BASE</th>
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#### GENERAL NOTES

1. PROVIDE ALL NON-METAL STUD WALLS WITH DRILLED SCREW HOLE (Dia. 5/32"") GILDED OR NICKEL PLATED, WHERE REQUIRED TO ACCESS MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, GROUNDED CONDUCTORS, AND ELECTRICAL OR PLUMBING MACHINERY.
2. PROVIDE PENETRATION FIRE STOPPING AT ALL LOCATIONS WHERE PIPES, CONDUIT, ETC. PASS THROUGH FIRE RESISTANCE RATED CONSTRUCTION.
3. PROVIDE .093" CONTROL JOINTS AT 30' ON CENTER AT STRAIGHT, UNBROKEN GYPSUM BOARD ELEVATIONS AND/OR INTERIOR DESIGN DRAWINGS FOR APPLIED FINISH INFORMATION.
4. PROVIDE BLOCKING AND DRAFT STOPS PER GOVERNING CODES AND AS INDICATED ON STRUCTURAL DRAWINGS FOR ATTACHMENT, BRACING, REINFORCING AND GROUTING OF LIMITING WALL HEIGHT (LWH) FOR PARTITION TYPES DIAGRAMS DO NOT INCLUDE FINISHES. SEE FINISH SCHEDULES, INTERIOR ELEVATIONS AND/OR INTERIOR DESIGN DRAWINGS FOR APPLIED FINISH INFORMATION.
5. PROVIDE WALL LIMBS OR BRACE; DEFEND WALLS WITH MINIMUM 8" X 8" LIMBS AT WALL-TO-WALL INTERSECTIONS OR WALL LIMBS AT WALL-JOINT INTERSECTIONS. SEE DIAGRAMS FORERCE DETAILS.
6. PROVIDE CONSTRUCTION BEAM TO WALLewhere REQUIRED TO ACCESS MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, GROUNDED CONDUCTORS, AND ELECTRICAL OR PLUMBING MACHINERY.
7. PROVIDE METAL STUD WALLS WITH DRILLED SCREW HOLE (Dia. 5/32"") GILDED OR NICKEL PLATED, WHERE REQUIRED TO ACCESS MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, GROUNDED CONDUCTORS, AND ELECTRICAL OR PLUMBING MACHINERY.

### LIMITING WALL HEIGHT (LWH) TABLE 1

#### LWH @ 5 PSF

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#### LWH TABLE NOTES:

1. LWH @ 5 PSF

#### LIMITING WALL HEIGHT (LWH) TABLE 2

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#### LIMITING WALL HEIGHT (LWH) TABLE 3

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### LWH TABLE 1-16, NON STRUCTURAL, COMPOSITE

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DOOR AND FRAME SCHEDULE

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<th>MATERIAL</th>
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<th>FRAME FINISH</th>
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<td>PT-3</td>
<td>9/A-611</td>
<td>10/A-611</td>
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<tr>
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<td>PT-3</td>
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HARDWARE SETS

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<td>V21 64 8267 LNL US32D</td>
<td>SA</td>
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<td>3</td>
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<td>TA2314 (NRP) US32D</td>
<td>MK</td>
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GLAZING TYPES

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<tr>
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<td>REINFORCED GLASS</td>
<td>PE</td>
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GENERAL SCHEDULE NOTES

1. PROVIDE 1" MINI BLIND ON WINDOWS, SEE SPECS
2. PROVIDE BULLET RESISTANT WINDOWS, SEE SPECS
3. LOUVER COLOR TO MATCH WITH DOOR, MINIMUM 0.17 SQFT NFA
4. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS

OVERVIEW

- Frame Details
- Door Type
- Window Schedule
- Louver Schedule

A-610
BUILDING EXTERIOR MATERIAL

CMU-1 CONCRETE MASONRY UNIT
MFR: RCP
COLOR: BUFF
TYPE: PRECISION
SIZE: 8" X 8" X 16"

BRK-1 THIN BRICK VENEER
MFR: McNEAR
SERIES: SANDMOLD
COLOR: CAMDEN
SIZE: 7 5/8" X 2 1/4" X 5/8"

MP-1 ROOF METAL PANEL
MFR: MORIN
SERIES: SYMMETRY ROOF SERIES
COLOR: SILVERSMITH
SIZE:

MP-2 METAL SOFFIT PANEL
MFR: MORIN
SERIES: PRIMO SOFFIT PANEL
COLOR: SILVERSMITH
SIZE:

PT-3 PAINT
MFR: BENJAMIN MOORE
COLOR: DARK BRONZE
FINISH: SEMI-GLOSS

PT-4 PAINT
MFR: BENJAMIN MOORE
COLOR: TO MATCH METAL PANEL

NOTE: SEE LANDSCAPE DRAWINGS FOR BENCH
LANDSCAPE PLANS PREPARED FOR:
CALExico INTERMODEL TRANSPORTATION CENTER
AT THIRD STREET BETWEEN ROCKWOOD AVE. TO HEFFERNAN AVE.
CITY OF CALEXICO
IMPERIAL COUNTY, CALIFORNIA

LANDSCAPE SHEET INDEX:

LANDSCAPE TITLE SHEET
L-01
HARDSCAPE PLAN
L-02
HARDSCAPE LEND. COLOR AND FINISH SCHEDULE
L-03
HARDSCAPE DETAILS
L-04
HARDSCAPE DETAILS
L-06
HARDSCAPE DETAILS
L-07
HARDSCAPE DETAILS
L-08
HARDSCAPE DETAILS
L-09
HARDSCAPE DETAILS
L-10
IRRIGATION PLAN
L-11
IRRIGATION PLAN
L-12
IRRIGATION PLAN
L-13
IRRIGATION LEGENDS AND NOTES
L-14
WATER USE CALCULATION
L-15
IRRIGATION DETAILS
L-16
IRRIGATION DETAILS
L-17
IRRIGATION DETAILS
L-18
PLANTING PLAN
L-19
PLANTING PLAN
L-20
PLANTING PLAN
L-21
PLANT LIST AND PLANTING NOTES
L-22
PLANTING DETAILS
L-23
PLANTING DETAILS
L-24

PREPARED BY:
TESHIMA DESIGN GROUP
Contact: Mark Stempniak
9903 Businesspark Avenue, Suite 101
San Diego, CA 92131
858.693.6824

PREPARED FOR:
IMPERIAL COUNTY TRANSPORTATION COMMISSION
1503 N Imperial Ave #104
El Centro, CA 92243
760.392.4494

MAINTENANCE
Client is solely responsible for maintenance in all areas such as, but not limited to, grading and leveling, plant care, and irrigation. Any repairs to the work will be made at the controller's expense.

UNAUTHORIZED CHANGES & USES
Any unauthorized changes to the landscape architecture plans or drawings for irrigation construction plans shall not be construed as continuous and detailed observations. Observation visits to the job site by the Landscape Architect do not include observation of or responsibility for construction methods and safety conditions at the worksite. These visits shall not be construed as continuous and detailed observations.

RIGHTS OF ENTRY
Contractor shall have access to the construction site and any other areas as may be required to accomplish all construction operations. All piping, conduit, sleeves, etc., shall be set in place prior to installation of construction items.

GENERAL SPECIFICATIONS
1. All local, municipal and state laws, rules and regulations governing or relating to any portion of this work are hereby incorporated into and made a part of these specifications and their provisions shall be carried out by Contractor.
2. Contractor shall have a valid contractor's license required for the particular work being done. Contractor shall not allow the license to lapse during the contract period.
3. Contractor shall verify the location of all existing utilities, structure, and services before commencing work. The location of all utilities, structure and services shown in these plans is approximate only. Any discrepancies between these plans and actual field conditions shall be reported to the City of Landscape Architect.
4. Contractor shall protect all existing utilities and features to remain intact, and adjacent to, the project during construction. Contractor shall repair, at the owner's expense, all damage resulting from his operations or negligence.
5. Contractor shall obtain the pertinent engineering and/or architectural plans before beginning work.
6. Contractor shall obtain all necessary permits required to perform the work indicated herein before beginning work.
7. Contractor shall arrange for payment of any permit fees and related expenses with the Owner's authorized representative.
8. Concrete Contractor shall obtain structural soil report prior to beginning work. Earthwork specifications shall take precedence over these specifications.
9. Contractor must check all dimensions, framing conditions and site conditions before starting work. Any discrepancies or possible deficiencies between the plans and specifications with field conditions shall be brought to the immediate attention of the City of Landscape Architect.
10. Contractor shall not modify any elements shown on the plans when it is obvious in the field that unknown conditions exist that were not evident on the plans as prepared. Any such conditions shall be brought to the attention of the City's representative prior to performing any work. Contractor shall assume all responsibility for any field changes deemed necessary by City.
11. All property lines to be staked prior to commencing work, no construction item, including fillings, shall extend past the property line.
12. Contractor shall be responsible for any coordination with subcontractors as required to accomplish all construction operations. All piping, conduit, sleeves, etc., shall be set in place prior to installation of construction items.
13. Contractor shall be responsible for repairing any existing materials that are damaged during construction.
14. The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, barricades, etc. are the sole responsibility of Contractor.
15. Observation visits to the job site by the Landscape Architect do not include observation of or responsibility for construction methods and safety conditions at the worksite. These visits shall not be construed as continuous and detailed observations.
16. All forms and alignment of paving shall be reviewed and approved by the Landscape Architect or City prior to pouring (a minimum of 48 hours notice is required).
17. All proposed surfaces shall meet existing surfaces with smooth and continuous transition and shall be built along entire edge.
18. All dimensions are from outside face of paving, wall, curb, post, etc., unless otherwise noted on plan. All angles are 90 or 45 degrees unless otherwise noted.
19. Contractor shall maintain a qualified, English-speaking supervisor on site at all times during construction. Contractor must check all dimensions, framing conditions and site conditions before starting work. Any discrepancies or possible deficiencies between the plans and specifications with field conditions shall be brought to the immediate attention of the City of Landscape Architect.
20. Contractor shall have a valid contractor's license required for the particular work being done. Contractor shall not allow the license to lapse during the contract period.
21. Contractor shall verify the location of all existing utilities, structure, and services before commencing work. The location of all utilities, structure and services shown in these plans is approximate only. Any discrepancies between these plans and actual field conditions shall be reported to the City of Landscape Architect.
22. Contractor shall protect all existing utilities and features to remain intact, and adjacent to, the project during construction. Contractor shall repair, at the owner's expense, all damage resulting from his operations or negligence of the City or Landscape Architect.
23. Contractor shall obtain the pertinent engineering and/or architectural plans before beginning work.
24. Contractor shall obtain all necessary permits required to perform the work indicated herein before beginning work.
25. Contractor shall arrange for payment of any permit fees and related expenses with the Owner's authorized representative.
26. Concrete Contractor shall obtain structural soil report prior to beginning work. Earthwork specifications shall take precedence over these specifications.
27. Contractor must check all dimensions, framing conditions and site conditions before starting work. Any discrepancies or possible deficiencies between the plans and specifications with field conditions shall be brought to the immediate attention of the City of Landscape Architect.
28. Contractor shall not modify any elements shown on the plans when it is obvious in the field that unknown conditions exist that were not evident on the plans as prepared. Any such conditions shall be brought to the attention of the City's representative prior to performing any work. Contractor shall assume all responsibility for any field changes deemed necessary by City.
29. All property lines to be staked prior to commencing work, no construction item, including fillings, shall extend past the property line.
30. Contractor shall be responsible for any coordination with subcontractors as required to accomplish all construction operations. All piping, conduit, sleeves, etc., shall be set in place prior to installation of construction items.
31. Contractor shall be responsible for repairing any existing materials that are damaged during construction.
32. The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, barricades, etc. are the sole responsibility of Contractor.
33. Observation visits to the job site by the Landscape Architect do not include observation of or responsibility for construction methods and safety conditions at the worksite. These visits shall not be construed as continuous and detailed observations.
34. All forms and alignment of paving shall be reviewed and approved by the Landscape Architect or City prior to pouring (a minimum of 48 hours notice is required).
35. All proposed surfaces shall meet existing surfaces with smooth and continuous transition and shall be built along entire edge.
36. All dimensions are from outside face of paving, wall, curb, post, etc., unless otherwise noted on plan. All angles are 90 or 45 degrees unless otherwise noted.
37. Contractor shall maintain a qualified, English-speaking supervisor on site at all times during installation. Supervisor shall keep and have available a current copy of the landscape and irrigation construction plans on which "As Built" notes shall be recorded. All forms and alignment of paving shall be reviewed and approved by the Landscape Architect or City prior to pouring (a minimum of 48 hours notice is required).
38. All proposed surfaces shall meet existing surfaces with smooth and continuous transition and shall be built along entire edge.
39. All dimensions are from outside face of paving, wall, curb, post, etc., unless otherwise noted on plan. All angles are 90 or 45 degrees unless otherwise noted.
40. Contractor shall maintain a qualified, English-speaking supervisor on site at all times during installation. Supervisor shall keep and have available a current copy of the landscape and irrigation construction plans on which "As Built" notes shall be recorded. All forms and alignment of paving shall be reviewed and approved by the Landscape Architect or City prior to pouring (a minimum of 48 hours notice is required).
41. All property lines to be staked prior to commencing work, no construction item, including fillings, shall extend past the property line.
42. Contractor shall be responsible for any coordination with subcontractors as required to accomplish all construction operations. All piping, conduit, sleeves, etc., shall be set in place prior to installation of construction items.
43. Contractor shall be responsible for repairing any existing materials that are damaged during construction.
44. The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, barricades, etc. are the sole responsibility of Contractor.
45. Observation visits to the job site by the Landscape Architect do not include observation of or responsibility for construction methods and safety conditions at the worksite. These visits shall not be construed as continuous and detailed observations.
46. All forms and alignment of paving shall be reviewed and approved by the Landscape Architect or City prior to pouring (a minimum of 48 hours notice is required).
47. All proposed surfaces shall meet existing surfaces with smooth and continuous transition and shall be built along entire edge.
48. All dimensions are from outside face of paving, wall, curb, post, etc., unless otherwise noted on plan. All angles are 90 or 45 degrees unless otherwise noted.
SEE SHEET L-04 AND L-05 FOR HARDSCAPE LEGENDS
SEE SHEET L-04 FOR COLOR AND FINISH SCHEDULE
SEE SHEET L-05 FOR HARDSCAPE NOTES
SEE SHEET L-06, L-07, L-08, L-09, L-10 AND L-11 FOR HARDSCAPE DETAILS
SEE BOOK SPECIFICATIONS FOR HARDSCAPE SPECIFICATIONS
### Hardscape Legend

**SYMBOL** | **KEY** | **DESCRIPTION** | **DETAIL SHEET REFERENCE**
--- | --- | --- | ---
1 | Install Pedestrian Concrete Paving | Detail H10, on Sheet L-11 | Install Pedestrian Concrete Paving
2 | Install Expansion Joint | Detail H14, on Sheet L-11 | Install Expansion Joint
3 | Install Swath Contractor Joint | Detail H14, on Sheet L-11 | Install Swath Contractor Joint
4 | Install Tooled Contractor Joint | Detail H14, on Sheet L-11 | Install Tooled Contractor Joint
5 | Install Decomposed Granite | Detail H8, on Sheet L-11 | Install Decomposed Granite
6 | Install Crushed Rock | Detail H8, on Sheet L-11 | Install Crushed Rock
7 | Install Signage Monument (1 Total): Signage Monument shall be pre-cut concrete Cap-Slab 6-10 with colored Cores: craftsmen's E5 finish and anti-graffiti Pre-cast Concrete Victoria 5450 sealer. As available from: QCP 10 Parkridge Avenue Sunnyvale, CA 94086 Contact: Scott Ulrich Phone: 408-732-6165 | Detail H11, on Sheet L-11 | Install Signage Monument
8 | Install Raised Planter with Swath (2 Total): Swath shall be split face block faced construction with pre-cut concrete cap. Splitface block shall be La Palma color as manufactured by RCP Block & Brick, Inc. Phone: 512-247-2907 or 800-543-0488 Contact: Nick De Graaf Phone: 800-794-4727 Available from: QCP | Detail H11, on Sheet L-10 | Install Raised Planter
9 | Install Bike Rack (12 Total): Bike Rack shall be 2" x 2" x 10 ft, Heavy Duty 7200 lbs capacity as manufactured by: Concord Industries, Inc. 444 Reading Road Norco, CA 92860 Contact: Patrick Merrick Phone: 949-654-4067 | Detail H11, on Sheet L-11 | Install Bike Rack
10 | Install Street Post Clock (1 Total): Street Post Clock shall be 8" x 18" Heavy Duty Powder Coated Steel with Heavy Duty 24" Radius. The Street Post Clock shall have City of Caléxico logo header. Available from: Tolar Manufacturing Company Inc. 2066 Mead Circle Corona, CA 92879 Phone: 951-734-3393 | Detail H11, on Sheet L-10 | Install Street Post Clock
11 | Install Crushed Rock (6 Total): Crushed Rock shall be 3/4" size, 3" Deep Desert Beige. Available from: mark johnson group 4444 Ayapa Way Spring, CA 90671 Contact: Amanda Anderson Phone: 909-519-0160 or 909-518-9870 | Detail H8, on Sheet L-11 | Install Crushed Rock
12 | Install Tree Grate (20 Total): Tree grates shall be 30" x 50" STEELTREE 1.5 THICK 1/4" SMOOTH with 3/4" opening. Tree Grate color shall be black powder coat consistent with C.I.C. STYLE 67 Tree Grate Form. Tree grates and frame as available from: Concord Industries, Inc. 439A Kelcey Circle Plano, Texas 75074 Available from: Tolar Manufacturing Company Inc. 2066 Mead Circle Corona, CA 92879 Contact: Nick De Graaf Phone: 951-734-3393 | Detail H8, on Sheet L-11 | Install Tree Grate
13 | Install Dimensional Products: Dimensional Products shall be pre-cut concrete cut products spaced at 10" C.C. Banana shall be 30" x 10", Heavy Duty 7200 lbs capacity, Powder Coated Steel with Heavy Duty 24" Radius. Available from: Tolar Manufacturing Company Inc. 2066 Mead Circle Corona, CA 92879 Contact: Nick De Graaf Phone: 951-734-3393 | Detail H8, on Sheet L-11 | Install Dimensional Products
14 | Install Cast Iron Trash Receptacle (25 Total): Trash Receptacle shall be 24" x 36" Heavy Duty Powder Coated Steel. Color shall be Black. Available from: QCP 10 Parkridge Avenue Sunnyvale, CA 94086 Contact: Scott Ulrich Phone: 408-732-6165 | Detail H11, on Sheet L-11 | Install Cast Iron Trash Receptacle
15 | Install Glass Panel: Glass Panel shall be 2" x 2" x 10 ft, Heavy Duty Powder Coated Steel with Heavy Duty 24" Radius, as available from: Tolar Manufacturing Company Inc. 2066 Mead Circle Corona, CA 92879 Phone: 951-734-3393 | Detailed Plan | Install Glass Panel

### Color and Finish Schedule

**SYMBOL** | **DESCRIPTION** | **MANUFACTURER** | **COLOR** | **FINISH** | **COMMENTS**
--- | --- | --- | --- | --- | ---
1 | Install Tooled contraction joint (2 Total): Joint shall be pre-cut concrete contraction joint, with 3/8" contraction joint as available from: QCP 10 Parkridge Avenue Sunnyvale, CA 94086 Contact: Scott Ulrich Phone: 408-732-6165 | Concord Concrete Paving | Desert Gold | N/A | Install with 36" x 36" diagonal tile cut.
2 | Install Expansion joints: expansion joints shall be pre-cut concrete expansion joint, as available from: QCP 10 Parkridge Avenue Sunnyvale, CA 94086 Contact: Scott Ulrich Phone: 408-732-6165 | Concord Concrete Paving | Outback 6771 | Smooth Trowel Finish | Expansion joints, cut and coated joint, black color, joiner lines per plan.

### SEE SHEET L-05 FOR HARDSCAPE NOTES

SEE SHEET L-05 FOR ADDITIONAL LEGENDS

SEE SHEET L-06, L-07, L-08, L-09, L-10, L-11 FOR HARDSCAPE DETAILS

SEE BOOK SPECIFICATIONS FOR HARDSCAPE SPECIFICATIONS
## Hardscape Notes

A. VISIT THE SITE PRIOR TO SUBMITTING BIDS.
B. SUBMIT A LOR COST FOR SOIL SOIL SURFACE AND BE COMPLETELY AWARE OF THE AMOUNT OF SOIL NECESSARY TO REACH THE SATISFACTORY GROUND LEVEL.
C. VERIFY ALL PROPERTY LINES OR OTHER LIMIT OF WORK LINES PRIOR TO COMBINING WORK.
D. REPAIR OR REPLACE ANY DAMAGES TO ALLENTOWN PROPERTIES. COUNT CURBS, VALVES, PLANTING, ETC. AT ADDITIONAL COST TO THE BIDDER.
E. VERIFY ALL INSTALLATION, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF SOMETHING OCCURS AND ASSEMBLE FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT PARTIAL DISCREPANCIES.
F. REPORT DISCREPANCIES IN THE DRAWINGS OR BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT. CORRECTED DRAWINGS OR INSTRUCTIONS SHALL BE ISSUED PRIOR TO THE COMMENCEMENT OF THE WORK. ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT PARTIAL DISCREPANCIES.
G. LOCATE ALL EXISTING UTILITIES PRIOR TO THE START OF ANY WORK. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF SOMETHING OCCURS AND ASSEMBLE FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT PARTIAL DISCREPANCIES.
H. COMPLETE WITH ALL PROVISIONS OF THE LATEST BUILDING CODE, CURRENT EDITION OF THE ADA, OR ACCESSIBLE ACCESSORIES, AND WITH OTHER CURBSTONE, TRAFFIC AND CROSSWALKS. SPECIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF SOMETHING OCCURS AND ASSEMBLE FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT PARTIAL DISCREPANCIES.

## Mock-Up Requirements

A. HARDSCAPE ELEMENT - PROVIDE A PHYSICAL SAMPLE OF SPECIFIED MATERIALS (COLOR, FINISH, JOINTING TYPE) TO THE OWNER AND LANDSCAPE ARCHITECT FOR REVIEWS AND APPROVAL PRIOR TO PROCEEDING ORDER.
B. MOCK-UPS TO BE PROTECTED ON-SITE DURING THE SATISFACTION OF THE CONSTRUCTION SCHEDULE.
C. REMOVE MOCK-UPS AT COMPLETION OF CONSTRUCTION WHEN DIRECTED BY THE OWNER OR LANDSCAPE ARCHITECT.
D. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

## Abbreviation and Symbol Legend

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALT</td>
<td>Alternate Center Line</td>
</tr>
<tr>
<td>CLR</td>
<td>Concrete Masonry Unit</td>
</tr>
<tr>
<td>CLW</td>
<td>Curb Core</td>
</tr>
<tr>
<td>DLT</td>
<td>Detail</td>
</tr>
<tr>
<td>DN</td>
<td>Down Slope</td>
</tr>
<tr>
<td>EQ</td>
<td>Equal</td>
</tr>
<tr>
<td>EX</td>
<td>Existing</td>
</tr>
<tr>
<td>FT</td>
<td>Finished Floor</td>
</tr>
<tr>
<td>FG</td>
<td>Finished Grade</td>
</tr>
<tr>
<td>FOC</td>
<td>Face of Curb</td>
</tr>
<tr>
<td>FOB</td>
<td>Face of Building</td>
</tr>
<tr>
<td>FS</td>
<td>Finished Surface</td>
</tr>
<tr>
<td>HW</td>
<td>Height, Width</td>
</tr>
<tr>
<td>HP</td>
<td>Height, Height</td>
</tr>
<tr>
<td>MAX</td>
<td>Maximum</td>
</tr>
<tr>
<td>MIN</td>
<td>Minimum</td>
</tr>
<tr>
<td>O.C.</td>
<td>On Center</td>
</tr>
<tr>
<td>P/A</td>
<td>Planter Property</td>
</tr>
<tr>
<td>PL</td>
<td>Property Line</td>
</tr>
<tr>
<td>POB</td>
<td>Point of Beginning</td>
</tr>
<tr>
<td>POB</td>
<td>Radius</td>
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<tr>
<td>S.W.</td>
<td>Sidewalk</td>
</tr>
<tr>
<td>S/Q</td>
<td>Square</td>
</tr>
<tr>
<td>T.C.</td>
<td>Top of Curb</td>
</tr>
<tr>
<td>T.S.</td>
<td>Top of Finishing</td>
</tr>
<tr>
<td>TYP</td>
<td>Typical</td>
</tr>
<tr>
<td>+</td>
<td>Center of Circle</td>
</tr>
</tbody>
</table>

## The Following Items Are for Reference Only

- Concrete Curb per Civil Engineer’s Drawings.
- Parking Striping per Civil Engineer’s Drawings.
- Cross Walk Striping per Civil Engineer’s Drawings.
- Vehicle Parking per Civil Engineer’s Drawings.
- Security Fence and Gate at Mechanical Yard location per Architect’s Drawings.
- Shade Canopy Structure with Column per Architect’s Drawings.
- Hardcopy Access Ramp per Civil Engineer’s Drawings.
- Detectable Warning Surface per Civil Engineer’s Drawings.
- Vertical Shade Screen Structure per Architect’s Drawings.
- Curb cuts and rip-rap energy dissipation per Civil Engineer’s Drawings.
- Trash Enclosure per Civil Engineer’s Drawings.
- Sidewalk underlaid with steel cable per Civil Engineer’s Drawings. Concrete edge shall be being Color Granite 6771 with smooth painted finish.

## Grading & Drainage Notes

- CROSS SLOPE OF SUBGRADE TO BE A MAX. OF 2%. 
- SLOPE ALL HARDSCAPE TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS.
- VERIFY GRADES WITHIN CIVIL ENGINEER’S SHEETS.
- CONNECT LANDSCAPE DRAINAGE TO STORM DRAIN SYSTEM AS INDICATED ON CIVIL ENGINEER’S DRAWDINGS.

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**See Sheet L-04 for Color and Finish Schedule**

See Sheet L-06, L-07, L-08, L-09, L-10 and L-11 for Hardscapes Details.

See Book Specifications for Hardscapes Specifications.
**ELEVATION (FRONT VIEW)**

**STREET POST CLOCK (4-FACE, MODEL 4MST HOWARD REPLICA/SETH THOMAS)**

- **Plan**
  - 24" Min. FOOTING DESIGN PER STRUCTURAL ENGINEER
  - 3/4" = 1'-0"

**Elevation View**

- **Emplacement Determined by Local Codes & Site Conditions**
- **NOTE:** Specific engineering may be required based on site conditions, local wind loads & soil conditions, typical.

- **NOTE:** Specified engineering may be required based on site conditions, local wind loads & soil conditions.

**H1**

**GREENSCREEN**

- **NOTE:**
  1. Contact Lori Lumsevn 310-837-0526 or 800-450-3494.
  2. Detail as provided by manufacturer.
  3. Install per manufacturer's specifications.

- **NOTE:**
  1. Available from The Verdin Company, phone 512-247-2907 or 800-543-0488.
  2. Details as provided by manufacturer.
  3. Installation and footing per manufacturer's specifications.
  4. Color shall be black with "Victorian" numerals dial. Clock shall have "City of Calexico" top header.

- **WATER PERMEABLE WEED BARRIER FABRIC SHALL BE DEWITT WEED BARRIER PRO IN BROWN COLOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS WITH MINIMUM OF 3" OVERLAP AT SEAMS, AND STAKED AT 4' O.C. WEED BARRIER FABRIC AS AVAILABLE FROM VILLA LANDSCAPE PRODUCTS, PHONE: (800) 654-4067. ALLOW 14 DAYS LEAD TIME WHEN ORDERING.

**H2**

**DECOMPOSED GRANITE OR CRUSHED ROCK**

**H3**

**DECOMPOSED GRANITE OR CRUSHED ROCK WITH WEED BARRIER FABRIC DETAIL**
1. **8"X8"X8" SPLIT-FACE BLOCK SHALL BE LA PAZ COLOR AS AVAILABLE FROM RCP BLOCK & BRICK, INC.**
2. 95% COMPACTED SUB-GRADE.
3. CONCRETE FOOTING WITH #4 BAR CONTINUOUS.
4. FINISH GRADE.
5. PRE-CAST CONCRETE CAP SHALL BE PRODUCT NUMBER: Q-WC-ANACAPA-12 WITH CUSTOM 5' RADIUS AS MANUFACTURED BY QCP. CAP SHALL BE HARVEST COLOR WITH CRAFTSMAN'S ETCH FINISH AND ANTI-GRAFFITI PERMAFREED SEALER. ALL CAPS SHALL HAVE SKATE INDENTATIONS.
6. PROVIDE WATER PROOFING BEHIND WALL.
7. #4 BAR VERTICAL @ 24" O.C. SOLID GROUT AT CELLS.
8. EXPANSION JOINT BY OTHERS.
9. CONCRETE SLAB.

**NOTES:**
1. FOR ALL CUSTOM RADIUS CAPS ALLOW ENOUGH LEAD TIME TO MEET THE CONSTRUCTION SCHEDULE.
2. PROVIDE DRAINAGE IN ALL RAISED PLANTERS. CONNECT TO SITE DRAINAGE SYSTEM PER CIVIL ENGINEER'S PLAN.
3. TREE GRATE COLOR SHALL BE BLACK POWDER COAT.
4. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
NOTE:
1. AVAILABLE FROM QCP. CONTACT SCOTT ULRICH PHONE (866) 763-3434.
2. SIGNAGE MONUMENT SHALL BE HARVEST COLOR WITH CRAFTSMAN ETCH FINISH AND ANTI-GRAFFITI PERMAFIND SEALER.
3. DETAIL AS PROVIDED BY MANUFACTURER.
4. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
7. CONCRETE FOOTING - SLOPE TOP 1% FOR DRAINAGE:
   18" DEEP FOR 2" LINE POSTS AND 24" DEEP FOR 4" CORNER AND GATE POSTS.

1.1-1/2" x 1-1/2" TUBULAR STEEL TOP AND BOTTOM RAILS, AND FRAME FOR GATE.

3. 4" SQ. TUBULAR STEEL FOR CORNER, TERMINAL AND BOTH SIDES OF GATE WITH CAPS.

2. 5/8" SQUARE PICKETS @ 4" O.C.

4. 2" SQ. TUBULAR STEEL LINE POSTS WITH CAPS.

5. PIVOT HINGES WITH SELF-CLOSING MECHANISMS.

8. LATCH WITH SELF-LATCHING MECHANISM. (BEHIND)

9. FINISH SURFACE.

10. 95% COMPACTED SUBGRADE.

NOTES:

1. ALL METAL SHALL BE TREATED WITH TWO (2) COATS OF "RUST-OLEUM" (OR EQUIVALENT) FLAT BLACK PRIMER FACTORY APPLIED.

2. WROUGHT IRON FENCE SHALL BE INSTALLED WITH A ONE-INCH MINIMUM SEPARATION FROM ANY BUILDING STRUCTURE.

3. WROUGHT IRON FENCE SHALL BE APPROVED IN THE FIELD PRIOR TO INSTALLATION.

4. ALL CONNECTIONS SHALL BE WELDED, NOT BOLTED.

5. CONTRACTOR TO COORDINATE ALL GATE HARDWARE WITH ICTC PRIOR TO INSTALLATION.

NOTES:

1. FLAGPOLE SHALL BE SENTRY 2 (30X6X.156), 30 FEET HIGH AS MANUFACTURED BY:
   CONCORD INDUSTRIES, INC
   4150-A KELLWAY CIRCLE
   ADDISON, TEXAS 75881
   AVAILABLE FROM:
   PACIFIC FLAG POLE SERVICE
   CONTACT NICK DE GRAAF
   PHONE: 858-692-2555

2. INSTALLATION AND FOOTING SHALL BE PER MANUFACTURER RECOMMENDATIONS.

NOTE: THIS DETAIL SHOWS 30' HIGH FLAG POLE ONLY. REFER TO HARDSCAPE LEGEND FOR 40' HIGH FLAG POLE MODEL INFORMATION.
This drawing has been generated and is maintained by a CAD system. Changes shall only be incorporated as directed by Tolar Manufacturing Co., Inc.’s Engineering Dept.

This document contains proprietary information and such information may not be disclosed to others for any purpose or used for manufacturing without written permission from Tolar Manufacturing Company, Inc.

General Notes:
1. All structural steel, unless otherwise noted, shall be ASTM A-36, minimum yield strength 36,000 PSI.
2. All structural aluminum members, unless otherwise noted, shall be of alloy 6063-T5 or greater.
3. All holes to be drilled or punched.
4. Steel welding shall conform to American Welding Society Standard D1.1-10. Electrodes shall conform to AWS 5.1, Class E70S-5.
5. Aluminum welding shall conform to American Welding Society Standard D1.2-08. Electrodes shall conform to AWS/SFA 5.10 Class ER4043.
6. All welding to be done at Tolar Manufacturing Company, Inc. facility.

Information Kiosk

2. Details as provided by manufacturer.
3. Install per manufacturer’s specifications.
4. Bolt down to concrete slab.
5. Paint color shall be as approved by City of Calexico and Imperial Valley Transit.

Bike Rack

1. Available from QCP. Contact Scott Ulrich, phone (866) 763-3434.
2. Bike rack shall be Harvest color with Craftsmen Etch finish.
3. Detail as provided by manufacturer.
4. Install per manufacturer’s specifications.
5. Bolt down to concrete slab.

Trash Receptacle

1. Available from QCP. Contact Scott Ulrich, phone (866) 763-3434.
2. Trash receptacle shall be Harvest color with Craftsmen Etch finish and Anti-Graffiti PermaShield 5400 sealer.
3. Detail as provided by manufacturer.
4. Install per manufacturer’s specifications.
5. Attach to concrete slab.

Bench

1. Available from QCP. Contact Scott Ulrich, phone (866) 763-3434.
SAWCUT CONTRACTION JOINT:

EXPANSION JOINT:

ISOLATION JOINT:

NEW TO EXISTING PAVING CONNECTION:

POUR "A"

POUR "B"

3/16"

3/8"

NEW

EXISTING

TOOLED CONTRACTION JOINT:

CONCRETE PAVING - SEE HARDSCAPE PLAN FOR COLOR AND FINISH.

3/16" WIDE SAWCUT CONTRACTION JOINT - CUT TO 1/4 DEPTH OF SLAB. PROVIDE TIGHT 1/4"X1/2" DEEP TOOLED PRE-SCORE JOINT TO PAVING BEFORE SAWCUTTING.

SPEED DOWEL AT 18" O.C. ALIGN ALL DOWELS.

REBAR - SEE DETAIL CONCRETE PAVING DETAIL, THIS SHEET.

1/4" RADIUS.

1/2" DEEP Voids FOR CAULKING.

2-PART POLYURETHANE SEALANT. APPLY SILICA #30 SAND TO SURFACE OF SEALANT WHILE STILL TACKY. APPLY AFTER REMOVAL OF PVC REMOVABLE JOINT CAP IF USED.

28 THICK POLYFOAM OR FIBER EXPANSION MATERIAL - SPRAY GLUE TO SIDE OF POUR "A".

FIXED VERTICAL EDGE, I.E. WALL, COLUMN, STEPS, OR CURB.

NEW CONCRETE PAVING - FLUSH WITH EXISTING CONCRETE PAVING.

CONTRACTION JOINT WITH TOOLLED 1/4" RADIUS AT EDGES AND 1/4 DEPTH OF SLAB. PROVIDE TIGHT 1/4"X1/2" DEEP TOOLED PRE-SCORE JOINT TO PAVING BEFORE SAWCUTTING.

4#1/8" LONG SMOOTH STEEL DOWELS AT 24" O.C. DRILLED AND EPOXIED WITH SIMPSON "SET 22" EPOXY INTO EXISTING CONCRETE PAVING - MIN. 3" EMBED. STEEL DOWELS TO BE SAWCUT TO LENGTH, NOT SHEARED.

EXISTING CONCRETE PAVING.

NOTES:

A. ENSURE THAT NO CONCRETE SLURRY STAINS BOND WITH EXISTING PAVING - USE PIERI "FACE-OFF", OR SIMILAR PRODUCT, TO ELIMINATE SLURRY STAINS ON ADJACENT SURFACES.

B. PROVIDE EXPANSION JOINT EVERY 20" O.C. MAX. OR AS SHOWN ON THE PLAN.

C. PROVIDE EXPANSION JOINT WHENEVER NEW CONCRETE ABUTS CURBS, WALLS, COLUMNS OR LIGHT POLES.

D. FIELD ADJUSTMENTS TO BE REVIEWED BY CONCRETE CONTRACTOR AND VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR.

CONCRETE PAVING JOINTS

CONCRETE PAVING

NOTES:

A. PAVING THICKNESS, BASE PREPARATION, AND REINFORCING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY AND COMPLY WITH REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT.

B. PROVIDE MOCK-UP (SIZE: 4' X 4') FOR CLIENT AND LANDSCAPE ARCHITECT APPROVAL.

C. SEAL EXPOSED PORTIONS OF CONCRETE PAVING AS SPECIFIED ON DRAWINGS.

D. INSTALL EXPANSION JOINTS, SAWCUT CONTRACTION JOINTS AND TOOLED CONTRACTION JOINTS PER PLAN.

PAVING THICKNESS:

PEDESTRIAN: 4" (SEE NOTE 'A' BELOW)

VEHICULAR: 6" (SEE NOTE 'A' BELOW)

REBAR - SEE DETAIL CONCRETE PAVING DETAIL, THIS SHEET.

1/4" RADIUS.

1/2" DEEP VOID FOR CAULKING.

2-PART POLYURETHANE SEALANT. APPLY SILICA #30 SAND TO SURFACE OF SEALANT WHILE STILL TACKY. APPLY AFTER REMOVAL OF PVC REMOVABLE JOINT CAP IF USED.

NOTES:

A. PAVING THICKNESS, BASE PREPARATION, AND REINFORCING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY AND COMPLY WITH REQUIREMENTS NOTED IN THE GEOTECHNICAL SOILS REPORT.

B. PROVIDE MOCK-UP (SIZE: 4' X 4') FOR CLIENT AND LANDSCAPE ARCHITECT APPROVAL.

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1/4" RADIUS.

1/2" DEEP VOID FOR CAULKING.

2-PART POLYURETHANE SEALANT. APPLY SILICA #30 SAND TO SURFACE OF SEALANT WHILE STILL TACKY. APPLY AFTER REMOVAL OF PVC REMOVABLE JOINT CAP IF USED.
IRIGATION PIPE AND EQUIPMENT LOCATION NOTES

1. All irrigation equipment, drip/trickleers and pipe that are shown in parking is for drawing clarity only. All equipment shall be installed in residential area. No irrigation equipment shall be located in hardscape.

2. Mainline and valve locations shown on this drawing are designed as diagrammatic and approximate. The landscape contractor shall stake all irrigation appurtenance location for review and approval. Final location and exact positioning of all irrigation appurtenance shall be determined by the owner's authorized representative. Minor modifications of all irrigation appurtenance as requested by the owner shall be provided by the contractor at no additional cost.

PRESSURE CALCULATIONS

PROPERLY. SHOULD PRESSURE BE DIFFERENT THEN NEEDED, PROVIDE BOOSTER PUMP SUFFICIENT ENOUGH

MATCHLINE SEE SHEET L-14

SEE SHEET L-15 FOR IRRIGATION LEGENDS
SEE SHEET L-15 FOR IRRIGATION SCHEDULE
SEE SHEET L-15 FOR IRRIGATION NOTES
SEE SHEET L-17, L-18 AND L-19 FOR IRRIGATION DETAILS
SEE BOOK SPECIFICATIONS FOR IRRIGATION SPECIFICATIONS

SEASONAL ARCHITECT OF RECORD

PROPERLY. SHOULD PRESSURE BE DIFFERENT THEN NEEDED, PROVIDE BOOSTER PUMP ASSEMBLY IF THE AVAILABLE PRESSURE

CONTRACTOR SHALL PROVIDE A BID ALTERNATE FOR

Muhlenbergia rigens

Prosopis 'Phoenix' and

Lantana 'Yellow Gold'

BELOW

SEEN SHEET L-15 FOR IRRIGATION LEGENDS

HIGHEST HEAD:

PRESS. AT POC:

VALVE NO. CHECKED:

OWNER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.

MAINLINE AND VALVE LOCATIONS SHOWN ON THIS DRAWING ARE DESIGNED AS DIAGRAMMATICAL AND APPROXIMATE. THE LANDSCAPE CONTRACTOR SHALL STAKE ALL IRRIGATION APPURTENANCE LOCATION FOR REVIEW AND APPROVAL. FINAL LOCATION AND EXACT POSITIONING OF ALL IRRIGATION APPURTENANCE SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE. MINOR MODIFICATIONS OF ALL IRRIGATION APPURTENANCE AS REQUESTED BY THE OWNER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.

FAILING TO OBTAIN OWNERS APPROVAL PRIOR TO THE INSTALLATION SHALL CAUSE THE CONTRACTOR TO MAKE OWNER DIRECTED REVISIONS AT NO CHARGE.
Irrigation Schedule for Bulb-Out Planters

Existing Irrigation Controller location is approximate. Landscape contractor shall verify the existing irrigation controller location with City of Calexico Public Works Department, Contact Lilliana Falomir, prior to commencement of work. Contractor shall replace existing irrigation controller with new Hunter controller model ACC5 (Conventional) in male enclosure. Confirm final equipment specification with City of Calexico Public Works Department.

Contact Lilliana Falomir, prior to commencement of work. Contractor shall replace existing remote control valve with new Hunter valve model BV (Black) in lockable valve box. Connect remote control valve to controller with existing valve if available. Contractor shall install new valve if existing is not available. Confirm remote controller valve to new irrigation heads installed in the bulb-out planters with existing lateral line if available. Contractor shall install new valve if existing is not available. Confirm final equipment specification with City of Calexico Public Works Department.

Contractor shall locate existing lateral line in the field prior to commencement of work. Location shown is approximate. Verify in the field with City of Calexico Public Works Department, Contact Lilliana Falomir, prior to commencement of work. Contractor shall utilize existing lateral line for reconnection to new irrigation heads installed in the bulb-out planters. Install new 1-1/2" lateral line (50 mm) if existing lateral line is broken or not available.

Contractor shall locate existing lateral line in the field prior to commencement of work. Location shown is approximate. Verify in the field with City of Calexico Public Works Department, Contact Lilliana Falomir, prior to commencement of work. Contractor shall utilize existing lateral line for reconnection to new irrigation heads installed in the bulb-out planters. Install new 1-1/2" lateral line (50 mm) if existing lateral line is broken or not available.

Trench shown is approximately 4' wide. The trench shall be backfilled with soil base composed of 10% sand and 90% native soil. Trench shall be backfilled with native soil. Contractor shall maintain new irrigation lines behind curb. Location shown is approximate. Verify in the field with City of Calexico Public Works Department, Contact Lilliana Falomir, prior to commencement of work.

Existing Irrigation Notes

1. All existing irrigation equipment shown is based on field observations and information obtained from City of Calexico Public Works Department. Contractor shall verify in field the location and size of all the existing irrigation equipment prior to commencement of work.

2. Contractor shall verify that there is adequate pressure available at the site for the irrigation system to work properly. Should there be any inadequate pressure contractor shall notify landscape architect for instruction prior to proceeding with construction.

3. Contractor shall verify that there is adequate pressure available at the site for the irrigation system to work properly. Should there be any inadequate pressure contractor shall notify landscape architect for instruction prior to proceeding with construction.

4. Contractor shall ensure all existing irrigation equipment for leaks and repair if necessary.

5. Contractor shall verify that there is adequate pressure available at the site for the irrigation system to work properly. Should there be any inadequate pressure contractor shall notify landscape architect for instruction prior to proceeding with construction.

6. Contractor shall ensure all existing irrigation equipment to remain shall be tested and repaired to provide satisfactory coverage to all landscape areas. Adjust existing irrigation to accommodate new irrigation.

7. Contractor shall locate existing lateral line in the field prior to commencement of work. Location shown is approximate. Verify in the field with City of Calexico Public Works Department, Contact Lilliana Falomir, prior to commencement of work.
Quick Coupler

NOT

Community Development Department

MSBN-50H

ENGINEERING DIVISION

OF

W

10/6/21

USE plants with low water use plants in the same hydrozone.

CONTRACTOR SHALL CONTACT HUNTER SPECIFICATION MANAGER, CHRIS ROESINK, AT 760.703.2474

SET THE CONTROLLER TO OPERATE TWO OR MORE VALVES AT THE SAME TIME ONLY IF THE TOTAL COMBINED FLOW OF

16.

THE RUN TIME OF SOME VALVES TO ASSURE THE PROPER PERFORMANCE OF THE MASTER VALVE AND THE FLOW

meet MAWA.

15.

c) consistent with the MAWA.

c) amount of water to be applied on a monthly basis

landscape and irrigation maintenance requirements.

Landscaping Architect for instructions prior to proceeding with

PRESSURE BE DIFFERENT THEN SHOWN ON THE PLAN CONTRACTOR SHALL NOTIFY

WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT

2) CONTRACTOR SHALL PROVIDE A BID ALTERNATE FOR BOOSTER PUMP ASSEMBLY IF

MORE CLOSELY MATCH THE SPACING. REFER TO THE MANUFACTURER'S

GPM

11

ii.

THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDING,

ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON

21.

CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH CITY OF CALEXICO, MAINTENANCE SCHEDULE TO THE LANDSCAPE

RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND

DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS AS

install in stainless steel pedestal enclosure. Install

install in valve box with tan color lid per

install in valve box with tan color lid per

install (1) bubbler on a 6" pop-up body at each shrub. Shrub location shown is approximate. See Detail I13, Sheet L-19.

install (1) bubbler on a 6" pop-up body at each shrub. Shrub location shown is approximate. See Plan Execution Detail I13, Sheet L-19.

install at 12" depth. See Trenching Detail I8, Sheet L-18.

install all heads on 12" pop-up

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install the irrigation system controller for watering times

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**WATER USE CALCULATIONS**

**MAXIMUM APPLIED WATER ALLOWANCE**

**CALCULATION - MAWA**

\[
\text{MAWA} = \left( \frac{\text{ETo}}{0.62} \right) \left( 0.45 \times \text{LA} + 0.45 \times \text{SLA} \right)
\]

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>SYMBOL</th>
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</thead>
<tbody>
<tr>
<td>Plant Coefficient (PF)</td>
<td>0.3</td>
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<tr>
<td>Annual Yearly Evapotranspiration (ETo)</td>
<td>0.2</td>
</tr>
<tr>
<td>Landscape Area (LA)</td>
<td>2,779 Sq. Ft.</td>
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<tr>
<td>Irrigation Efficiency (IE)</td>
<td>0.75</td>
</tr>
</tbody>
</table>

\[
\text{MAWA} = 402,984 \text{ Gallons per Year}
\]

**ESTIMATED TOTAL WATER USE**

**CALCULATION - ETWU**

\[
\text{ETWU} = \left( \frac{\text{ETRU}}{0.62} \right) \left( \text{PF} \times \text{LA} / \text{IE} + \text{SLA} \right)
\]

**HYDROZONE 1**

\[
\begin{align*}
\text{ETRU} &= \left( \frac{\text{ETRU}}{0.62} \right) \left( \frac{\text{PF} \times \text{LA} / \text{IE} + \text{SLA}}{0.62} \right) \\
\text{ETWU} &= 47,385 \text{ Gallons per Year}
\end{align*}
\]

**HYDROZONE 2**

\[
\begin{align*}
\text{ETRU} &= \left( \frac{\text{ETRU}}{0.62} \right) \left( \frac{\text{PF} \times \text{LA} / \text{IE} + \text{SLA}}{0.62} \right) \\
\text{ETWU} &= 176,420 \text{ Gallons per Year}
\end{align*}
\]

**TOTAL FOR ALL HYDROZONES**

\[
\begin{align*}
\text{ETRU} &= \text{HYDROZONE 1} + \text{HYDROZONE 2} \\
\text{ETWU} &= 128,835 \text{ Gallons per Year}
\end{align*}
\]

**CONCLUSION**

This ETWU (176,420 gallons per year) is less than MAWA (402,984 gallons per year). The water budget for Calexico Transit Center complies with MAWA.
NOTES:
1. ALL WIRE TO BE INSTALLED AS PER LOCAL CODES.
2. CONTRACTOR TO SUPPLY ALL WIRE, RUBBER BUSHINGS AND CONNECTORS (DIAGRAM A).
3. ALL WIRE MUST BE COLOR CODED.
4. ALL WIRE TO BE TIGHTLY FASTENED TO WALL.
5. WIRE NUMBERTagName UNDER THE WALL.
6. CONTRACTOR TO INSTALL WIRE COVER.
7. CONTRACTOR TO INSTALL WIRE PROTECTION.
8. ALL WIRE TO BE INSTALLED IN CONFORMITY WITH LOCAL CODES.
9. ALL WIRE TO BE TIGHTLY FASTENED TO WALL.
10. CONTRACTOR TO INSTALL WIRE PROTECTION.
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159. CONTRACTOR TO INSTALL WIRE COVER.
160. ALL WIRE TO BE TIGHTLY FASTENED TO WALL.
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199. ALL WIRE TO BE TIGHTLY FASTENED TO WALL.
NOT TO SCALE

ENGINEERING DIVISION

OF

NOT TO SCALE

I19

RAIN SENSOR MOUNTING DETAIL

NOT TO SCALE

I10

WIRE CONNECTOR

NOT TO SCALE

I11

IRRIGATION CONTROLLER IN ENCLOSURE

NOT TO SCALE

I12

RAIN SENSOR MOUNTING DETAIL

NOT TO SCALE

I18

TRENCHING

NOT TO SCALE

I17

QUICK COUPLER

NOT TO SCALE

PLANT VIEW

SECTION / ELEVATION

NOT TO SCALE

MANYLINE SPECIFICATIONS

CL 210 PVC PIPE FOR MAINLINE 19 FOR 1/12 OR LESS.

NOTE:

ALL PRESSURE IS MEASURED UNDER DRAINS

SCHEDULE SHALL BE APPROVED BY THE OWNER.

NOTES:

1. Pipe shall be used at a rate to

2. Finish shall be used to the

3. INSTALL THRU BLOCKS ON MAINLINE AT

4. INSTALL IN CONCRETE ELECTRICAL PVC CONDUIT.

5. INSTALL ALL WIRE CONNECTORS OR 12" BELOW GRADE

6. INSTALL BOX LEVEL WITH 2 STANDARD BRICKS

1. BIAS TRENCH FOR SPECIFICATIONS

2. CONCRETE THRUST BLOCKS ON ALL SOLVENT-WELD MAINLINE PIPE AND FITTINGS.

3. USE JOINT RESTRAINERS ON ALL SOLVENT-WELD MAINLINE PIPE AND FITTINGS WITH FLOW ON FITTINGS.

4. CONCRETE THRUST BLOCKS SHALL BE A MINIMUM OF ONE CUBIC FOOT IN VOLUME. CONCRETE THRUST BLOCKS SHALL BE BURIED TO A MAXIMUM OF 36" DEEP UNLESS APPROVED BY THE OWNER.

5. STAINLESS STEEL ENCLOSURE. SEE LEGEND

6. ENSURE PROPER INSTALLATION OF WIRE RUNS IS NOT ALLOWED UNLESS APPROVED BY THE OWNER.

7. INSTALLATIONS MAY REQUIRE A LARGER QUANTITY OF WIRES.

8. INSTALL OVER HUNTER INDUSTRIES SPECIFICATIONS.

9. INSTALL WITH HUNTER SOLAR SYNC.

10. INSTALL ALL WIRE CONNECTORS OR 12" BELOW GRADE

11. INSTALL BOX LEVEL WITH 2 STANDARD BRICKS

12. INSTALL BOX LEVEL WITH 2 STANDARD BRICKS
TREE AND SHRUB BUBBLER INSTALLATION

1. TREE LOCATION - INSTALL AT THE EDGE OF TREE ROOT BALL.
2. SHRUB LOCATION - INSTALL 12" FROM THE SHRUB.

NOT TO SCALE

1. TREE OR SHRUB ROOT BALL
2. 2" LAYER OF DECOMPOSED GRANITE
3. INSTALL BUBBLER HEAD ASSEMBLY AT FOLLOWING DISTANCE FROM TREE TRUNK AND SHRUB:
   - 1. TREE LOCATION - INSTALL AT THE EDGE OF TREE ROOT BALL.
   - 2. SHRUB LOCATION - INSTALL 12" FROM THE SHRUB.

NOTE:
1. Contractor shall install additional anti-drain valves, as required.
2. Use stainless steel or brass screws.
3. Use ball valves only.
4. Use Teflon Tape on all PVC to PVC connections; no pipe dope allowed.

SPRAY HEADS:
3. 4" FROM WALKS AND CURBS
4. 8" FROM STRUCTURES

NOTE:
- Use ball valves only.
- Use Teflon Tape on all PVC to PVC connections; no pipe dope allowed.
PLANTING NOTES

1. CONTRACTOR SHALL HAVE A THROUGH KNOWLEDGE OF SOIL TEST PERFORMANCE IN THREE DIFFERENT SOIL TYPES TO BE DETERMINED BY CITY. CONTRACTOR SHALL PROVIDE CITY WITH npm TEST RESULTS PRIOR TO INSTALLATION COMPLETION. CONTRACTOR SHALL PROVIDE CITY WITH A HARD COPY OF ALL TEST RESULTS.

2. CONTRACTOR SHALL HAVE A THROUGH KNOWLEDGE OF ALL SURROUNDING UTILITIES AND SHALL AVOID ALL UTILITY LOCATIONS TO AVOID ANY DAMAGE OR VULNERABILITY TO THE UTILITIES AND SHALL PROVIDE ALL UTILITY LOCATIONS TO THE LANDSCAPE ARCHITECT.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TREE AND PLANT MATERIAL USES AND CONDITIONS.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING FROM THE TIME TREE MATERIALS ARE PLACED ON THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TREE MATERIALS USES AND CONDITIONS.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING, INSTALLATION, AND MAINTENANCE OF THE TREE AND PLANT MATERIALS FOR THE PERIOD OF THREE YEARS FROM INSTALLATION DATE. CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.

6. CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED IN THE TREE AND PLANT MATERIALS REQUIREMENTS. CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.

7. CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED IN THE TREE AND PLANT MATERIALS REQUIREMENTS. CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.

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9. CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED IN THE TREE AND PLANT MATERIALS REQUIREMENTS. CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.
NOTE: AMEND ALL BACKFILL SOIL PER SOILS REPORT AND SPECIFICATIONS.

1. FOOTBALL
2. CROWN - 1/2" ABOVE FINISH GRADE.
3. FINISH GRADE.
4. FINISHED GRADE AT SLOPE.
5. 4" FOOTBALL DIAMETER.
6. BACKFILL MIX - REMOVE GRAVULAR FILL DOWN TO TOP OF CLAY LAYER AND REPLACE WITH MULCHY SOIL PER SOIL TEST RECOMMENDATIONS AND PLANTING SPECIFICATIONS.
7. PLANT TABLETS (SEE SPECS).
8. 7" HIGH WATERING BASIN (IF REQ'D).
9. UNDISTURBED NATIVE SOIL.
10. FOR ALL SHRUBS AND TREES PLANTED ON THE SLOPE THE REAR AND FRONT OF THE PLANTING PIT SHALL BE GRADED TO 1:1 SLOPE.
11. PLANTING SPECIFICATIONS.
12. UNDISTURBED NATIVE SOIL.
13. BACKFILL MIX - REMOVE GRAVULAR FILL DOWN TO TOP OF CLAY LAYER AND REPLACE WITH MULCHY SOIL PER SOIL TEST RECOMMENDATIONS AND PLANTING SPECIFICATIONS.
14. UNDISTURBED NATIVE SOIL.
15. PIT DIAMETER = 2 X DIAMETER OF ROOT BALL.
16. CROWN - 1/2" ABOVE FINISH GRADE.
17. MIN. 4" BELOW FINISH FLOOR OF BUILDING.

NOTE: AMEND ALL BACKFILL SOIL PER SOILS REPORT AND SPECIFICATIONS.

1. WALL OR GROUNDCOVER SURFACE.
2. VINE ATTACHED TO SURFACE WITH CLEAR PLASTIC TIES.
3. HARDWARE STAKES (GRAVEL TO BE REMOVED).
4. SET ROOT BALL TIGHT TO FOOTING, REMOVE ANY EXCESS CONCRETE IF NECESSARY.
5. HIGH WATERING BASIN.
6. FINISH GRADE.
7. PLANTING LABEL - SEE PLANTING SPECIFICATIONS.
8. BACKFILL MIX - REMOVE GRAVULAR FILL DOWN TO TOP OF CLAY LAYER AND REPLACE WITH MULCHY SOIL PER SOIL TEST RECOMMENDATIONS AND PLANTING SPECIFICATIONS.
9. UNDISTURBED NATIVE SOIL.
10. PIT DIAMETER = 2 X DIAMETER OF ROOT BALL.
11. CROWN - 1/2" ABOVE FINISH GRADE.
12. MIN. 4" BELOW FINISH FLOOR OF BUILDING.

NOTE: AMEND ALL BACKFILL SOIL PER SOILS REPORT AND SPECIFICATIONS.

1. ROOT BALL.
2. TRANSPORTED OR IMPORTED SOIL.
3. PLANT TABLETS, SEE SPECS.
4. FINISH GRADE.
5. ROOFTOP.
6. BACKFILL MIX - REMOVE GRAVULAR FILL DOWN TO TOP OF CLAY LAYER AND REPLACE WITH MULCHY SOIL PER SOIL TEST RECOMMENDATIONS AND PLANTING SPECIFICATIONS.
7. 4" HIGH WATERING BASIN.
8. 7" HIGH WATERING BASIN.
9. LINER?
10. 4" HIGH WATERING BASIN.
11. T-4 PVC PLASTIC PIPE.
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**GENERAL NOTES:**

1. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE VARIOUS DETAIL SHEETS FOR VARIOUS DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR IN VIOX / VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN. GIVEN OTHER UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN.

2. CONTRACTOR SHALL CONSIDER THE PROJECT SPECIFICATIONS A PART OF THE CONTRACT DOCUMENTS; WHERE INFORMATION IS CONFLICTING, SPECIFIC DIMENSIONS OR DETAILS OF CONSTRUCTION ARE NOT SHOWN ON THE DRAWINGS OR SPECIFICATIONS, CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF DESIGN UNLESS SPECIFIED OTHERWISE.

3. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED DESIGN UNLESS NOTED OR IN VARIOUS DRAWING SHEETS, OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN. GIVEN OTHER UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN.

4. SEISMIC DESIGN INFORMATION

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE SEOR OF ANY CONFLICTS BETWEEN THE STRUCTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS. WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE VARIOUS DETAIL SHEETS FOR VARIOUS DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN. GIVEN OTHER UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN.

6. SUBSTITUTION REQUESTS FOR MATERIALS SPECIFIED ON THE STRUCTURAL DOCUMENTS.

7. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED DESIGN UNLESS NOTED OR IN VARIOUS DRAWING SHEETS, OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN. GIVEN OTHER UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN.

8. ALL WORK IS NEW (N) UNLESS INDICATED AS EXISTING (E).

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITY NOTES:

EXISTING UNDERGROUND UTILITY NOTES:

1. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES MENTIONED OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY SUBTERRANEAN UNDERGROUND UTILITIES OR WATER MAINS SHOWN IN THE DRAWINGS REGARDLESS OF WHETHER THEY ARE SHOWN AS TO SCALE OR NOT, SHALL BE CONSIDERED ACCORDANCE WITH THE BUILDING CODE. THE CONTRACTOR SHALL PROVIDE ALL MEASURES ESSENTIAL TO THE CONSTRUCTION OF THE BUILDING OF RECORD PRIOR TO FABRICATION AND INSTALLATION. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE MEASURED PER CONTRACT DOCUMENTS WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE VARIOUS DETAIL SHEETS FOR VARIOUS DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN. GIVEN OTHER UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN.

CONTRACTOR RESPONSIBILITY NOTE:

1. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MEN LATERAL-FORCE-RESISTING SYSTEM DESIGNED FOR CONSTRUCTION ON PROJECT A WITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL OF THE CONTRACTOR NOT TO EXCISE OR AS A VARIATION OF THE CONTRACTOR NOT TO EXCISE OR AS A VARIATION OF THE CONTRACTOR NOT TO EXCISE WITHOUT THE BUILDING OFFICIAL.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

3. CONTRACTOR SHALL NOT INCLUDE OBSERVATION OF THE ABOVE ITEMS.

STRUCTURAL OBSERVATIONS:

1. INSPECTIONS WILL BE PERFORMED AT THE DISCRETION OF THE CONTRACTOR OR IN ACCORDANCE WITH THE BUILDING CODE.

2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION AND INSTALLATION. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE VARIOUS DETAIL SHEETS FOR VARIOUS DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN. GIVEN OTHER UNLESS SPECIFICALLY NOTED OR IN VARIOUS DETAIL SHEETS WHERE CONSTRUCTION DETAILS ARE NOT SHOWN.
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3. REVIEW OF SHOP DRAWINGS AND SUBMITTALS BY THE SE OR IS FOR GENERAL
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5. SHOP DRAWINGS FOR FABRICATION AND ASSEMBLY OF MEMBERS.
6. MANUFACTURER'S PRODUCT DATA, SPECIFICATIONS AND INSTALLATION
7. QUALIFICATION DATA FOR APPROVED INSTALLERS AND FABRICATORS.
8. TEST REPORTS FOR SHOP AND FIELD WELDED AND BOLTED
9. SUBSTITUTION TO THE ARCHITECT AND SEOR FOR APPROVAL.
10. CHANGE ORDERS. ANY PROPOSED CHANGES TO THE STRUCTURAL
11. LEAK CONCRETE. WHERE SPECIFICALLY MENTIONED. SHALL CONTAIN 2 CHECKS
12. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE
13. CONCRETE MIX DESIGNERS, ETC. SHALL CONFIRM TO ASTM CM.
14. CONCRETE MIX DRUMS OR TESTS SHOWN.
15. CONCRETE WIRING CONDUCTORS.
16. CONCRETE TESTING CONDUCTORS.
17. CONCRETE TESTING CONDUCTORS.
18. CONCRETE TESTING CONDUCTORS.
19. CONCRETE TESTING CONDUCTORS.
20. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCURRENCE
21. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF
22. AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33
23. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN
24. CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING
25. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL
26. CONCRETE SHALL BE MOLDED AND CURVED IN ACCORDANCE WITH ACI 318,
27. CONCRETE SHALL BE MOLDED AND CURVED IN ACCORDANCE WITH ACI 318,
28. CONSTRUCTING ARCHITECTS FOR WIRELESS MESH SYSTEMS, COLUMNAR, AND STRUCTURAL SLEBS
29. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCCUR AT THE SAME LOCATION, UNO.
30. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCCUR AT THE SAME LOCATION, UNO.
CONCRETE POURED AGAINST EARTH OR IN FORMS AND OR SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED LONGITUDINAL BARS IS ADEQUATE.

PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS.

MAINTENANCE MINIMUM CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (UNO):

- ALL BARS EXCEPT THOSE TO BE WELDED: 3" #5 BARS AND SMALLER
- ALL BARS EXCEPT THOSE TO BE WELDED: 3" #6 BARS AND LARGER

ENGINEERING DEVELOPMENT

CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. NO CONCRETE SHALL BE TAKEN FROM FORMS OR EARTH ENTIRELY UNTIL TIED IN PLACE. CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY VIBRATION IMMEDIATELY AFTER PLACING. SHAKING OR RODDING REMAIN'S IS NOT ALLOWED. ALL ALL CONCRETE IS NOT TO BE TIED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINFORCING OF BEAMS (WF), AND ALL GRADE BEAMS (GB) -#5 BARS AND SMALLER -#6 BARS AND LARGER

MAINTENANCE MASONRY UNITS SHALL DEVELOP THE FOLLOWING MINIMUM 28 DAY PRISM STRENGTHS:

- ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO WEATHER OR EARTH SHALL BE STOPPED 1 1/2" BELOW THE TOP OF A BLOCK COURSE EXCEPT AT BOTTOM OF ALL CELLS SHALL BE USED UNLESS THE LIFT IS 4'-0" OR LESS. THE LIFT IS 4'-0" OR LESS. THE FINAL COURSE. ALL GROUT SHALL BE THOROUGHLY CONSOLIDATED BY VIBRATION IMMEDIATELY AFTER PLACING. SHAKING OR RODDING REMAIN'S IS NOT ALLOWED. ALL ALL GROUT SHALL BE STOPPED 1 1/2" BELOW THE TOP OF A BLOCK COURSE EXCEPT AT BOTTOM OF ALL CELLS SHALL BE USED UNLESS THE LIFT IS 4'-0" OR LESS. THE FINAL COURSE. ALL GROUT SHALL BE THOROUGHLY CONSOLIDATED BY VIBRATION IMMEDIATELY AFTER PLACING. SHAKING OR RODDING REMAIN'S IS NOT ALLOWED.

MAINTENANCE BARS (WF), AND ALL GRADE BEAMS (GB) -#5 BARS AND SMALLER -#6 BARS AND LARGER

MAINTENANCE ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC MANUAL OF SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

WELDING:

1. ALL WELDS SHALL BE EXECUTED IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) SUBMITTED BY THE CONTRACTOR TO THE PROJECT MANAGER. WPS SHALL MEET THE REQUIREMENTS OF THE CURRENT EDITION OF A308 AND A308B.

2. ALL WELDS INTERIOR WALL FACES AND RAISED SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED LONGITUDINAL BARS IS ADEQUATE.

3. Provides the following materials for structural steel: UNO:

- ALL STRUCTURAL STEEL, SHELLS AND SUBCONSTRUCTIVE STEEL, SHALL COMPLY WITH THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE THIRTEENTH EDITION OF "AISC MANUAL OF STEEL CONSTRUCTION"

- ALL STRUCTURAL STEEL, SHALL BE ELECTRICALLY WELDED AND THAT TO LINE-TYPE WELDS CAN BE INSTALLED AND SHALL NOT BE USED IN PLACE OF SKIVING OR OTHER MEANS PROVIDED TO PREVENT THE STRUCTURE FROM COMING APART.

- ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN REQUIRED. ALL BARS SHALL BE MARKED WITH THE NUMBER OF THE BAND.

- PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS.

- PROVIDE ALL GROOVE OR BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS.

- PROVIDE ALL EXPOSED WELDS ON ARCHITECTURAL EXPOSED STRUCTURAL STEEL SHALL COMPLY WITH THE CODE OF STANDARD PRACTICE, SECTION 10.114.1.

- PROVIDE ALL OPEN HSS ENDS SHALL BE CAPPED. MIN. 1/4" ST L CAP. PROVIDE SQUARE HIGH-DEFLECTION corrosion-resistant overlays for soldering.

- PROVIDE ALL STRONG-ARM BARS SHALL BE FULL LENGTH OF WALL AND SHALL BE SECURELY TO VERTICAL REINFORCING.

- PROVIDE ALL FAYING SURFACE SHALL BE "CLASS A" FOR SLIP CRITICAL BOLTS (SC). SLIP CRITICAL BOLTS (SC) SHALL BE PRE-TENSIONED BY INSTALLATION OF ALTERNATE DESIGN BOLTS OR BY DIRECT TENSIONING USING ASTM A325 OR A490 BOLTS. SLIP CRITICAL BOLTS (SC) SHALL BE PRE-TENSIONED BY INSTALLATION OF ALTERNATE DESIGN BOLTS OR BY DIRECT TENSIONING USING ASTM A325 OR A490 BOLTS. SLIP CRITICAL BOLTS (SC) SHALL BE PRE-TENSIONED BY INSTALLATION OF ALTERNATE DESIGN BOLTS OR BY DIRECT TENSIONING USING ASTM A325 OR A490 BOLTS.

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**METAL DECK NOTES (UNFILLED):**

1. **Welding Process:** SMAW, FCAW, SAW, GMAW shall be used depending on the type of metal and the thickness of the plate. SMAW shall be used for plate thicknesses greater than 1/4" and FCAW shall be used for plate thicknesses less than 1/4".

2. **Welding Electrodes:** For SMAW, the typical electrodes to be used are E7018, E7016, or E7100. For FCAW, the typical electrodes to be used are E8018, E8015, or E8015-B.

3. **Welding Joint Details:** All welds shall be full penetration welds. No root or lack of fusion shall be allowed.

4. **Welding Parameters:** All welding parameters shall be in accordance with the welding procedure specification (WPS).

5. **Preheat and Interpass Temperature:** Prior to welding, the welder shall ensure that the steel is heated to the specified preheat and interpass temperature. The tempering temperature shall be measured by a Charpy V-notch impact test per AISC Manual of Steel Construction, latest edition.

6. **Grain Direction:** The grain direction is parallel to the longitudinal axis of the structural steel. The grain orientation shall be indicated on the plate and installed so that the grain is parallel to the weld.

7. **Individual Welds:** Individual welds shall be carried continuously to completion.

8. **Concrete Fill:** Concrete fill over metal deck shall not be over-poured to the top of the deck. Concrete shall be placed in accordance with ASTM A525.

9. **Concrete Cover:** Concrete cover over metal deck shall be a minimum of 2" and shall occur only over supports. Concrete shall be laid out so that a low flow falls on the complete joint.

**COLD-FORMED STEEL FRAMING NOTES:**

1. **General Information:** Cold-formed steel framing shall conform to the specifications and standard of the American Iron and Steel Institute (AISI), as contained in the "Specification for the Design of Cold-Formed Steel Structural Members, Latest Edition," including all applicable amendments.

2. **Cold-Formed Steel Framing:** All cold-formed steel framing shall be erected flush to the sides and top of the wall and shall be installed in accordance with the manufacturer's instructions.

3. **Expansion Joint:** Expansion joints shall be provided to accommodate the thermal expansion of the structure.

4. **Concrete Deck:** Concrete deck shall be over-poured to the top of the deck. Any excess concrete shall be removed.

**PRODUCT APPROVALS:**

1. **Decorative Elements:** Decorative elements not noted with a specific product type or manufacture. The contractor shall provide the product specified in the table below.

2. **Expanding Anchor to Concrete:**

- EXPANSION ANCHOR TO CONCRETE
  - HILTI Kwik Bolt T2: ESR-2713
  - SIMPSON Strong Bolt 1/2: ESR-2907

- EXPANSION ANCHOR TO MASONRY
  - HILTI Kwik Bolt 1/2: ESR-2490
  - SIMPSON Strong Bolt 1/2: ESR-3027

- EXPANSION ANCHOR TO BOLTED CONCRETE
  - SIMPSON Titen HD Screw Anchor: ESR-2907
  - HILTI Kwik Bolt 1/2: ESR-2490

- EXPANSION ANCHOR TO MASONRY
  - SIMPSON Strong Bolt 1/2: ESR-3027
  - HILTI Kwik Bolt 1/2: ESR-2490

**CONSTRUCTION NOTICES:**

1. **Design:** For all items on the construction documents not noted with a product number.

2. **Requirements:** The following products shall be installed per the requirements of the referenced product approvals manual (CIC).

3. **Approval:** At contractor's option, products may be substituted for like products from the schedule of materials if approved by engineer.

**PRODUCT APPROVALS:**

1. **Product Approvals:** Product approvals not noted with a specific product type or manufacture. The contractor shall provide the product specified in the table below.

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**CONSTRUCTION NOTICES:**

1. **Design:** For all items on the construction documents not noted with a product number.

2. **Requirements:** The following products shall be installed per the requirements of the referenced product approvals manual (CIC).

3. **Approval:** At contractor's option, products may be substituted for like products from the schedule of materials if approved by engineer.
1. Verify materials below shallow foundations and associate with the design bearing capacity.
2. Ensure that concrete is placed to proper depth and has reached proper material.
3. Verify that concrete is cast to proper depth and has reached proper material.
4. Verify proper materials, including pre-tensioned or slip-critical elements, during placement and compaction of concrete.
5. Prior to placement of compacted elements, observe guidance and inspect properly.
6. Inspection of high-strength bolts: ensure proper guidance and inspection properly.
8. Inspection of structural walls: review guidance and inspection properly.
10. Inspection of prestressing: review guidance and inspection properly.

TABLE 1:
Table 1: Required Verification and Inspection of Concrete Construction

<table>
<thead>
<tr>
<th>Verification and Inspection</th>
<th>Required</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material verification of high-strength bolts to nuts and washers</td>
<td>- X</td>
<td>ACI 318: 8.5.1</td>
</tr>
<tr>
<td>Identification markings to conform to ASTM A633</td>
<td>- X</td>
<td>ACI 318: 8.1.3</td>
</tr>
<tr>
<td>Manufacturer's certificate of compliance required</td>
<td>- X</td>
<td>ACI 318: 5.10</td>
</tr>
<tr>
<td>Inspection of high-strength bolts</td>
<td>- X</td>
<td>ACI 318: 21.2.8</td>
</tr>
<tr>
<td>Determination of design moment of resistance</td>
<td>- X</td>
<td>ACI 318: 18.3.4</td>
</tr>
<tr>
<td>For seismic force-resisting systems</td>
<td>- X</td>
<td>ACI 318: 18.14.2</td>
</tr>
<tr>
<td>Installation of prestressing tendons</td>
<td>- X</td>
<td>ACI 318: 18.14.3</td>
</tr>
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<td>Installation of prestressed concrete</td>
<td>- X</td>
<td>ACI 318: 18.14.4</td>
</tr>
<tr>
<td>Inspection of finished concrete</td>
<td>- X</td>
<td>ACI 318: 5.11.12</td>
</tr>
</tbody>
</table>

TABLE 2:
Table 2: Required Verification and Inspection of Steel Construction

<table>
<thead>
<tr>
<th>Verification and Inspection</th>
<th>Required</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
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<td>- X</td>
<td>ACI 318: 5.11.12</td>
</tr>
<tr>
<td>LEVEL 2 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION</td>
<td>FREQUENCY OF INSPECTION</td>
<td>CONTINUOUS</td>
</tr>
<tr>
<td>---------------------------------------------------------------</td>
<td>-----------------------</td>
<td>------------</td>
</tr>
<tr>
<td>A. PROPORTIONS OF SITE-PREPARED MORTAR</td>
<td>- X -</td>
<td>X</td>
</tr>
<tr>
<td>B. SIZE AND CEMENT CONTENT OF CEMENT</td>
<td>- X -</td>
<td>X</td>
</tr>
<tr>
<td>C. GRADE, TYPE, AND SIZE OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS</td>
<td>- X -</td>
<td>X</td>
</tr>
<tr>
<td>D. PRESTRESSING TECHNIQUE</td>
<td>- X -</td>
<td>X</td>
</tr>
<tr>
<td>E. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY</td>
<td>- X -</td>
<td>X</td>
</tr>
</tbody>
</table>

**Notes:**
- Frequency refers to the frequency of inspection, which may be continuous during the listed task or periodically during the listed task, as defined in the table.
- Required at the first 5000 square feet (465 square meters) of AAC masonry.
- Required after the first 5000 square feet (465 square meters) of AAC masonry.
1.1

2. ALL WELDING SHALL BE SUBJECT TO CONTINUOUS INSPECTION.

3. REINFORCEMENT BARS THROUGH FOUNDATION SHALL MEET THE REQUIREMENTS OF ASM A706.

4. STEEL BARS WELDED TO REBAR FABRICATION BAR "S".

5. THESE ARE SECTIONAL VIEWS. BARS DEFORMATION ARE SHOWN FOR ILLUSTRATIVE PURPOSES.

---

TYPICAL REINFORCING BAR WELDING

CLASS 8" 18" MIN

SLAB ON GRADE DETAILS

REINF BAR SPLICES AT CONT WALL FTGS INTERSECTIONS

SLAB ON GRADE DETAILS

---

TYPICAL CONCRETE PAD AND CURB ON GRADE

OVER EXCAVATION AT TYP FOUNDATION

---

NOTES:

1. WELDING SHALL BE WITH LOW HYDROGEN ELECTRODES E9 0XX AND SHALL CONFORM TO AWS-D1.4.

2. ALL WELDING SHALL BE SUBJECT TO CONTINUOUS INSPECTION.

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TYPICAL REINFORCEMENT DETAILS AND DEVELOPMENT LENGTHS

REINF BAR SPLICES AT CONT WALL FTGS INTERSECTIONS

SLAB ON GRADE DETAILS

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TYPICAL CONCRETE PAD AND CURB ON GRADE

OVER EXCAVATION AT TYP FOUNDATION

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1.2 \( \frac{1}{2} " \) NEOPRENE FILLER 

PER PLAN 

1.2

TYPICAL ISOLATED EQUIPMENT PAD (EXTERIOR)

PIPE IN METAL SLEEVE

INSIDE Ø OF METAL SLEEVE SHALL BE 2" MIN LARGER THAN OUTSIDE Ø OF PIPE. MAX PIPE METAL SLEEVE OUTSIDE DIAM 9".

BE 2" MIN LARGER THAN OUTSIDE Ø

INSIDE Ø OF METAL SLEEVE SHALL BE 2" MIN LARGER THAN OUTSIDE Ø OF PIPE. MAX PIPE METAL SLEEVE OUTSIDE DIAM 9".

OUTSIDE DIAM 9"

PLACE REINFORCEMENT ENDS.

NOTES:

1. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF VISUALLY EXPOSED CONTROL JOINTS.

2. FOR POURING SEQUENCE OTHER THAN THAT SHOWN ON THE SE PLANS, SUBMIT SHOP DRAWINGS TO SEOR FOR REVIEW 7 DAYS PRIOR TO POUR.

3. FOR SAW CUT (SC) AND CONSTRUCTION JOINT (CJ) SEE DETAIL 89.

4. FOR TYPICAL, SLAB EDGE AND STEPS IN SLAB SEE DETAIL 89.

5. FOR ADDITIONAL INFO)

6. FOR SPEED DOWEL INSERT REINFORCEMENT ENDS.

7. FOR CONCRETE POUR AGAINST UNDISTURBED SOIL

8. FOR 24 HOURS OF CONSTRUCTION JOINT (CJ) SEE DETAIL 89.

9. FOR TIES (BEYOND)

10. FOR (AT GRADE BEAM SEE)

11. FOR MORE INFO.

TYPICAL ISOLATED EQUIPMENT PAD

TYPICAL SLAB ON GRADE CONTROL JOINT (FOR SLAB THICKNESS 4" TO 6")

PIPE TRENCH FOOTING DETAIL

FOOTING INTERSECTION

NOTE:

CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION. REQUIREMENTS 24" PLAIN STEEL DOWEL TO MATCH TIES/TRANS. REINF. "THRU" LONG. REINF.

SECTION

REINFORCEMENT ENDS.

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9. FOR TIES (BEYOND)

10. FOR (AT GRADE BEAM SEE)

11. FOR MORE INFO.

TYPICAL ISOLATED EQUIPMENT PAD

TYPICAL SLAB ON GRADE CONTROL JOINT (FOR SLAB THICKNESS 4" TO 6")

PIPE TRENCH FOOTING DETAIL

FOOTING INTERSECTION

NOTE:

CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION. REQUIREMENTS 24" PLAIN STEEL DOWEL TO MATCH TIES/TRANS. REINF. "THRU" LONG. REINF.

SECTION

REINFORCEMENT ENDS.
1. Footings poured against earth are subject to approval of geotechnical engineer. Footing widths shall not be more than 4" wider than shown on plans.
2. Footing widths shall not be more than 4" wider than shown on plan.
3. Formwork not permitted below grade unless fully formed.
4. Foundation concrete may be placed directly into neat excavations provided
   the concrete on formation walls and slabs is constructed by the geotechnical engineer.
5. Continuous longitudinal reinforcement per plan.

NOTES:
1. Provide adequate support for longitudinal reinforcement within 6" of joint using footing ties, vertical dowels or other means.
2. Sections shown are at center of footing in longitudinal direction.
3. Transverse steel not shown for clarity.
4. Minimum formwork shown on drawings is mandatory to ensure clean excavations immediately prior to pouring the placement of concrete.
5. Joint clean-out stages not permitted in the footing area.
6. After concrete is set, remove Formwork and sleeve.

FOOTING Poured AGAINST EARTH

CONSTRUCTION JOINT AT FOOTING/GRADE BEAM

TYPICAL EXCAVATION PARALLEL TO FOOTING

TYPICAL PIPE OR CONDUIT SWEET THROUGH FOOTING

TYPICAL STEPPED FOOTING GRADE BEAM

FOOTING @ OPENING
TYPICAL DETAILS

1. STUD TO BOTTOM TRACK
   - Each stud shall be 1 1/2" min.
   - Stud must be set at 16" o/c.
   - Studs shall be set at 3/4" o/c.

2. TOP TRACK OR LEDGER
   - Top track or ledger to match wall.
   - Studs shall be set at 3/4" o/c.
   - Studs shall be set at 3/4" o/c.

3. BACKING DETAIL
   - Backing detail shall be set at 3/4" o/c.
   - Backing detail shall be set at 3/4" o/c.

4. SINGLE FLAT STRAP BRIDGING W/ BLOCKING
   - Single flat strap bridging with blocking.
   - Blocking shall be set at 3/4" o/c.

5. METAL STUD FASTENER SCHEDULE
   - Fasteners shall be set at 3/4" o/c.
   - Fasteners shall be set at 3/4" o/c.

6. BRIDGING CHANNEL W/ CLIP ANGLE
   - Bridging channel with clip angle.
   - Bridging channel with clip angle.

NOTES:
1. For partial - partitions see
2. For metal stud fasteners - see metal stud fastener schedule
3. All power driven fasteners to have a minimum penetration of 1 1/4".

4. METAL STUD ELEVATION
   - Studs shall be set at 16" o/c.
   - Studs shall be set at 16" o/c.

5. STEEL STUD BRACING DETAIL (INTERIOR ONLY)
   - Steel stud bracing detail.
   - Steel stud bracing detail.

6. STUD TO DECK DETAIL
   - Stud to deck detail.
   - Stud to deck detail.

7. STUD TO BOTTOM TRACK
   - Stud to bottom track.
   - Stud to bottom track.

8. STUD PERPENDICULAR TO WALL CURB
   - Stud perpendicular to wall curb.
   - Stud perpendicular to wall curb.

9. STUD PARALLEL TO STEEL DECK
   - Stud parallel to steel deck.
   - Stud parallel to steel deck.

10. METAL STUD FASTENER SCHEDULE
    - Fasteners shall be set at 3/4" o/c.
    - Fasteners shall be set at 3/4" o/c.

11. BACKING DETAIL
    - Backing detail shall be set at 3/4" o/c.
    - Backing detail shall be set at 3/4" o/c.

12. SINGLE FLAT STRAP BRIDGING W/ BLOCKING
    - Single flat strap bridging with blocking.
    - Blocking shall be set at 3/4" o/c.

13. BRIDGING CHANNEL W/ CLIP ANGLE
    - Bridging channel with clip angle.
    - Bridging channel with clip angle.

14. STUD TO DECK DETAIL
    - Stud to deck detail.
    - Stud to deck detail.

15. STUD TO BOTTOM TRACK
    - Stud to bottom track.
    - Stud to bottom track.

16. STUD PERPENDICULAR TO WALL CURB
    - Stud perpendicular to wall curb.
    - Stud perpendicular to wall curb.

17. STUD PARALLEL TO STEEL DECK
    - Stud parallel to steel deck.
    - Stud parallel to steel deck.

18. METAL STUD FASTENER SCHEDULE
    - Fasteners shall be set at 3/4" o/c.
    - Fasteners shall be set at 3/4" o/c.

19. BACKING DETAIL
    - Backing detail shall be set at 3/4" o/c.
    - Backing detail shall be set at 3/4" o/c.

20. SINGLE FLAT STRAP BRIDGING W/ BLOCKING
    - Single flat strap bridging with blocking.
    - Blocking shall be set at 3/4" o/c.

21. BRIDGING CHANNEL W/ CLIP ANGLE
    - Bridging channel with clip angle.
    - Bridging channel with clip angle.

22. STUD TO DECK DETAIL
    - Stud to deck detail.
    - Stud to deck detail.

23. STUD TO BOTTOM TRACK
    - Stud to bottom track.
    - Stud to bottom track.

24. STUD PERPENDICULAR TO WALL CURB
    - Stud perpendicular to wall curb.
    - Stud perpendicular to wall curb.

25. STUD PARALLEL TO STEEL DECK
    - Stud parallel to steel deck.
    - Stud parallel to steel deck.
1. Framing around deck openings to be furnished and installed by structural steel contractor. A groove or bent plate shall be used at openings wider than shown, reinforce deck per typ. details if openings are closer or larger than shown, reinforce deck per typ.

2. Typical framing details shall be used at openings exceeding 18" in length.

3. Cutting of larger openings is not required. See note #2.

4. Opening at sloped plate must have top seam. Use weld washers)

5. Interlocking units @ 12" O.C. for tops of L lips - 1 1/2" long weld must engage top of inner leg per schedule.


7. 3" W/ (2) 7/8" dia. bolts

8. Deck plug weld

9. See note #2

Pipe penetrations at deck without fill.

Typical details of roof exhaust fan, duct & pipe penetrations, and installed by structural steel contractor.

Engineering details of roof exhaust fan, duct & pipe penetrations, and installed by structural steel contractor.

S-11/7

Scale: N.T.S.

TYP METAL DECK WELDING / SCREW PATTERNS

TYP SLOPED DECK TO BEAM DETAIL

PIPE PATTERN AT OPENING IN STEEL DECK

TYP METAL DECK WELDING
ALL PUDDLE WELDS SHALL HAVE AN EFFECTIVE FUSION AREA AT LEAST EQUIVALENT TO 3/8" X 1" LONG OR 3/4" IN DIAMETER.

ALL STEEL DECK SHALL BE GALVANIZED, U.N.O.

VSC REFERS TO VERCO SIDELAP CONNECTION.

SEE METAL DECK NOTES ON SHEET S-0.4

BOUNDARY WELD PER SCHEDULE

PERPENDICULAR TO DECK

PARALLEL, OR SKewed TO DECK

PERPENDICULAR TO DECK

PARALLEL, OR SKewed TO DECK

NOTE: DO NOT SPLICE DECK AT STRUT MEMBER

NOTE: DO NOT SPLICE DECK AT BOXED BEAM MEMBER

NOTE: ALL WELDS CAN BE SUBSTITUTED BY #12 SELF DRILLING TREK SCREWS

2 ALL DECK SHALL HAVE 2 1/2" MIN BEARING ON END SUPPORT. 1 1/2" MIN BEARING ON SIDE SUPPORT TYP, U.N.O

3 D1&B D2&H TYP.

5 SEE DETAIL FOR WELDING PATTERN.

6 ALL WELDS SHOULD BE CLEANED TO ALLOW FOR ENSURE WELD QUALITY.

8 ALL PUDDLE WELDS MAY BE CUTTED AND LOCATION COINCIDES WITH SHEARK STUDS WELDED THROUGH METAL DECK.

9 SEE DETAIL WHERE THE SLOPE OF THE METAL DECK REQUIRE SPLIT PLATE.

1. PROVIDE TRANSVERSE DIAGONAL BRACE AT EA. HANGER AND LONGITUDINAL DIAGONAL BRACE AT 30" O.C. MAX.

2. PROVIDE TRANSVERSE DIAGONAL BRACE AT EA. HANGER AND LONGITUDINAL DIAGONAL BRACE AT 30" O.C. MAX.

3. PROVIDE TRANSVERSE DIAGONAL BRACE AT EA. HANGER AND LONGITUDINAL DIAGONAL BRACE AT 30" O.C. MAX.

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52. PROVIDE TRANSVERSE DIAGONAL BRACE AT EA. HANGER AND LONGITUDINAL DIAGONAL BRACE AT 30" O.C. MAX.
1. See plans for typical and additional reinforcement.
2. For openings or columns in masonry, use full height jambs, extend to top of wall at upper and lower openings, 400 min. apart for columns. NOTE: OPENINGS OR EDGES WITHOUT APPROVAL FROM SEOR.
3. At openings less than 36" in width, extend jambs 48D fast edge of opening.
4. For major openings that do not intersect typical, extend 400 min. apart and are at least 24" from adjacent openings or wall edge, no additional reinforcement is required in plain walls.
5. Do not substitute expansion joints for control joints expansion joints provide continuity structural discontinuity, use only where specifically noted in the plans.
6. Where non-contact splices are used, reinforcement shall not be spaced closer than one-fifth the required lap splice or less than 8 inches apart.
7. Bolt details shown for grade 60 reinforced developed in CMU.
8. Use a typical lap splice on plain walls.
9. Where full extension is not possible, extend bars as far as possible and use a #4 hook.
10. Where necessary for clarity, use a #5 hook around vertical bars.

**Typical Details**

- **Overlap Splice**: The overlap splice is shown for grade 60 reinforced developed in CMU.
- **Bolt Diameter**: The bolt diameter is 2 1/2" min. depending on the application.
- **Lap Splice**: The lap splice is required for reinforcement to be considered fully developed.
- **Hook L (IN)**: The hook length is specified for various bar diameters.
- **Dowel Per Note #2**: The number of dowels per note is shown for clarity.
- **Bottom of Ties**: The bottom of ties is specified for reinforcement placement.

**Typical Dowels at CMU Wall**

- **Apparent Clarity**: Use a typical dowel at CMU wall.
- **Concrete Masonry Wall Intersection**: The concrete masonry wall intersection is shown for clarity.
- **Wall Vertical Reinforcement**: Wall vertical reinforcement is shown for clarity.

**Engineer of Work: Seal:**

- **Date**: The date of the engineer’s signature is specified.
- **Engineer**: The engineer's name is mentioned.
- **S-1.9**: The scale is noted.

**Typical Details**

- **Concrete Masonry Wall Intersection**: The intersection of concrete masonry walls is shown for clarity.
- **Wall Vertical Reinforcement**: The vertical reinforcement is shown for clarity.
- **Wall Horizontal Reinforcement**: The horizontal reinforcement is shown for clarity.

**Note:**

- **Control Joint**: The control joint is shown for clarity, also see note #4.
- **Concrete Masonry Wall Intersection**: The intersection of concrete masonry walls is shown for clarity.
- **Wall Vertical Reinforcement**: The vertical reinforcement is shown for clarity.
- **Wall Horizontal Reinforcement**: The horizontal reinforcement is shown for clarity.
2X FIRE TREATED
FULL BLK'G
P-1000
UNISTUT UNO
1/2" FIRE TREATED
PLYWOOD
19005' EDGE TO
ALL AROUND
2X12 FIRE TREATED
(UNSHAPED) @EACH SIDE
L-3X3X3/16 X3" LG
W/ 3/8" LAG SCREW TO WD.
& (2)-#12 SMS SCREW TO
MTL DECK
MIN. 3 AT EACH 2X12
2X6 BLK'G FIRE TREATED
W/ SIMPSON "A34"
L-3X3X3/16 X3" LG
W/ 3/8" LAG SCREW TO WD.
& (2)-#12 SMS SCREW TO
MTL DECK
MIN. 3 AT EACH 3X12
1/2" FIRE TREATED
PLYWOOD
(MAX. WT=200 LBS)
EQUIPMENT
ANCHORAGE
ATTACHMENT BY MFR.
3/8" 1 LAG SCREW 1/2" DBL.
ANCHOR ATTACHMENT
(TOTAL MIN. 4)
METAL DECK
PER PLAN
FOR FINISH
SEE ARCH
3/8"
6" MIN
10" MAX
2X FIRE TREATED
FULL BLK'G
P-1000
UNISTUT UNO
1/2" FIRE TREATED
PLYWOOD
19005' EDGE TO
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2X12 FIRE TREATED
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(TOTAL MIN. 4)
METAL DECK
PER PLAN
FOR FINISH
SEE ARCH
3/8"
6" MIN
10" MAX
2X FIRE TREATED
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UNISTUT UNO
1/2" FIRE TREATED
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19005' EDGE TO
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2X12 FIRE TREATED
(UNSHAPED) @EACH SIDE
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& (2)-#12 SMS SCREW TO
MTL DECK
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ANCHORAGE
ATTACHMENT BY MFR.
3/8" 1 LAG SCREW 1/2" DBL.
ANCHOR ATTACHMENT
(TOTAL MIN. 4)
METAL DECK
PER PLAN
FOR FINISH
SEE ARCH
3/8"
6" MIN
10" MAX
2X FIRE TREATED
FULL BLK'G
P-1000
UNISTUT UNO
1/2" FIRE TREATED
PLYWOOD
19005' EDGE TO
ALL AROUND
2X12 FIRE TREATED
(UNSHAPED) @EACH SIDE
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& (2)-#12 SMS SCREW TO
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& (2)-#12 SMS SCREW TO
MTL DECK
MIN. 3 AT EACH 3X12
1/2" FIRE TREATED
PLYWOOD
(MAX. WT=200 LBS)
EQUIPMENT
ANCHORAGE
ATTACHMENT BY MFR.
3/8" 1 LAG SCREW 1/2" DBL.
ANCHOR ATTACHMENT
(TOTAL MIN. 4)
METAL DECK
PER PLAN
FOR FINISH
SEE ARCH
3/8"
6" MIN
10" MAX
2X FIRE TREATED
FULL BLK'G
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1/2" FIRE TREATED
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19005' EDGE TO
ALL AROUND
2X12 FIRE TREATED
(UNSHAPED) @EACH SIDE
L-3X3X3/16 X3" LG
W/ 3/8" LAG SCREW TO WD.
& (2)-#12 SMS SCREW TO
MTL DECK
MIN. 3 AT EACH 2X12
2X6 BLK'G FIRE TREATED
W/ SIMPSON "A34"
L-3X3X3/16 X3" LG
W/ 3/8" LAG SCREW TO WD.
WHERE BEAM IS 21" OR ALL SIDES

NOTE:

USE STANDARD BOLT HOLES

NOTE:

USE MAXIMUM BOLTS AT FIRST ROW & BALANCE IN SECOND ROW

WHERE OPPOSITE BEAMS ARE ONE-SIDED CONNECTION OCCURS

DROP BEAM OR DEEPER BEAM THAN GIRDER

1/2" CLR

1 3/4"

BOLTS PER CONN SCHEDULE

MIN

MIN

BOLT & SHEAR PL

1 3/4"

TYP

PER SCHED

TW 18

TW 14

WF BM & GIRDER CONNECTION SCHEDULE

IN AIDN BOLTS L/PT

MIN PLATE / HELD LENGTH

MIN PLATE THICKNESS

MIN H/D WELD

THICKNESS

WF BM

3

5 1/2"

30"

1/4"

WF BM

5

60"

1/4"

WF BM

6

75"

1/4"

WF BM

12

150"

3/8"

WF BM

18

225"

3/8"

WF BM

24

300"

3/8"

WF BM

36

450"

3/8"

WF BM

48

600"

3/8"

WF BM

3/16"

OF

3/16"

OF

3/16"

OF

3/16"

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1/4"

OF
CANOPY FOUNDATION PLAN

CANOPY ROOF FRAMING PLAN

CANOPY FRAME ELEVATION

CANOPY NOTES:
1. FOR GENERAL NOTES, SEE S-0.0 SERIES.
2. FOR TYPICAL DETAILS, SEE S-1.0 SERIES.
3. C# INDICATES CONCRETE COLUMN.
4. B# INDICATES BEAM.
5. SC# INDICATES STEEL COLUMN.
6. INDICATES CONC COL W/ STL POST EMBED.
7. INDICATES MTL DECK SEE FOR ADDITIONAL INFORMATION.

SCALE: 1/4" = 1'-0"
LOW PARAPET & LOW CANOPY FRAMING PLAN

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

1. FOR GENERAL NOTES, SEE S-0.0 SERIES.
2. FOR TYPICAL DETAILS, SEE S-1.0 SERIES.
3. T.O.S. = VARIES. VERIFY WITH ARCHT'L DRAWINGS REFER TO ARCHT'L FOR ROOF SLOPES
4. FOR TYPICAL BEAM TO BEAM CONNECTIONS, SEE DETAIL
5. B# INIDCATES BEAM.
6. SC# INIDCATES STEEL COL.
7. TB# INIDCATES TREILLIES BEAM.
HIGH CANOPY FRAMING PLAN

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

1. FOR GENERAL NOTES: SEE S-6.6 SERIES.
2. FOR TYPICAL DETAILS: SEE S-1.0 SERIES.
3. + PLEASE INDICATE WALL (S) WHERE WALL IS INDICATED IN PLAN.
4. T.O.S. = VARIOUS: VERIFY WITH ARCHT. DRAWINGS.
5. FOR TYPICAL BEAM TO BEAM CONNECTIONS: SEE DETAIL.
6. B# INDICATES BEAM.
7. SC# INDICATES STEEL COL.
8. HSS 8 X 8 X 1/2 SC1
9. HSS 8 X 8 X 1/4 SC2
10. HSS 10 X 6 X 1/4 B3
11. HSS 10 X 8 X 1/4 B3A
12. W 12 X 26 B5
13. HSS 12 X 6 X 1/2 B4
14. HSS 5 X 3 X 1/4 B6

DRAWING SYSTEM FOR ARCH DWS & PLUMBING DWS

REAL ESTATE & COMMUNITY DEVELOPMENT

CITY OF CALExico

HIGH ROOF FRAMING PLAN

3.2 SLOPE DN
3.1 SLOPE DN
3.0 SLOPE DN
## SYMBOLS LIST

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>Electrical Switchboard</td>
</tr>
<tr>
<td>T1</td>
<td>Transformer</td>
</tr>
<tr>
<td>C1</td>
<td>Capacitor</td>
</tr>
<tr>
<td>L1</td>
<td>Inductor</td>
</tr>
<tr>
<td>R1</td>
<td>Resistor</td>
</tr>
</tbody>
</table>

## SYMBOLS LIST AND ABBREVIATIONS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E0.2</td>
<td>Engineering Division</td>
</tr>
<tr>
<td>J1</td>
<td>Junction Box</td>
</tr>
<tr>
<td>E17249</td>
<td>Engineering Division Number</td>
</tr>
</tbody>
</table>

## ABBREVIATIONS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>Main Panel</td>
</tr>
<tr>
<td>S1</td>
<td>Switch</td>
</tr>
<tr>
<td>G1</td>
<td>Ground</td>
</tr>
<tr>
<td>TB</td>
<td>Transformer Bank</td>
</tr>
<tr>
<td>H1</td>
<td>Heatsink</td>
</tr>
<tr>
<td>K1</td>
<td>Kilowatt Hour Meter</td>
</tr>
<tr>
<td>C1</td>
<td>Capacitor</td>
</tr>
<tr>
<td>L1</td>
<td>Inductor</td>
</tr>
<tr>
<td>R1</td>
<td>Resistor</td>
</tr>
<tr>
<td>T1</td>
<td>Transformer</td>
</tr>
<tr>
<td>E1</td>
<td>Electrical Switchboard</td>
</tr>
</tbody>
</table>

## Symbols List

- **E17249**: Engineering Division Number
- **J1**: Junction Box
- **E0.2**: Engineering Division

## Abbreviations

- **M1**: Main Panel
- **S1**: Switch
- **G1**: Ground
- **TB**: Transformer Bank
- **H1**: Heatsink
- **K1**: Kilowatt Hour Meter
- **C1**: Capacitor
- **L1**: Inductor
- **R1**: Resistor
- **T1**: Transformer
- **E1**: Electrical Switchboard
LIGHTING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>UNITS</th>
<th>CIRCUIT NO.</th>
<th>PANEL-A</th>
<th>PANEL-A1</th>
<th>LOCATION - ELECTRICAL ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LED RECESS. 120V FLUSH ELIT 20W 220V 4-PK</td>
<td>5901</td>
<td>CKT-1</td>
<td>20</td>
<td>20</td>
<td>INVERTER PANEL</td>
</tr>
<tr>
<td>2</td>
<td>LED RECESS. 120V FLUSH ELIT 20W 220V 4-PK</td>
<td>5901</td>
<td>CKT-2</td>
<td>20</td>
<td>20</td>
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<td>CKT-3</td>
<td>20</td>
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</tr>
</tbody>
</table>

GENERAL NOTES:
1. PROVIDE ALL NEEDED MOUNTING ACCESSORIES AND LAMPS AS REQUIRED FOR AN OPERATIVE LIGHTING SYSTEM.
2. PROVIDE ALL nieddel MOUNTING ACCESSORIES AND LAMPS AS REQUIRED FOR AN OPERATIVE LIGHTING SYSTEM.
3. PROVIDE ALL nickel MOUNTING ACCESSORIES AND LAMPS AS REQUIRED FOR AN OPERATIVE LIGHTING SYSTEM.
4. PROVIDE ALL nickel MOUNTING ACCESSORIES AND LAMPS AS REQUIRED FOR AN OPERATIVE LIGHTING SYSTEM.

ELECTRICAL SINGLE LINE DIAGRAM

INVERTER PANEL

OUT-1 LIGHTING 2.0 kVA 4 WIRING
OUT-2 LIGHTING 2.0 kVA 4 WIRING
OUT-3 LIGHTING 1.0 kVA 4 WIRING
TOTAL PANEL LOAD 3.0 kVA 4 WIRING

CONTINUOUS LOAD 2000 at 2.000 VA 3 WIRING 17.5 AMPs
CONTINUOUS LOAD 2000 at 2.000 VA 3 WIRING 17.5 AMPs
### Luminaire Schedule

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Qty</th>
<th>Label</th>
<th>Arrangement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP1</td>
<td>16</td>
<td></td>
<td>SINGLE</td>
<td>Cooper McGraw Edison GLEON-SA3C-740-U-T3</td>
</tr>
<tr>
<td>SP2</td>
<td>4</td>
<td></td>
<td>BACK-BACK</td>
<td>Cooper McGraw Edison GLEON-SA3C-740-U-T3</td>
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<tr>
<td>SA</td>
<td>79</td>
<td></td>
<td>SINGLE</td>
<td>Cooper Neoray S124DS-C795D840-4F0-1E-UDD-F</td>
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</table>

### Calculation Summary

<table>
<thead>
<tr>
<th>Label</th>
<th>CalcType</th>
<th>Units</th>
<th>Avg</th>
<th>Max</th>
<th>Min</th>
<th>Avg/Min</th>
<th>Max/Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canopy</td>
<td>Illuminance</td>
<td>Fc</td>
<td>27.67</td>
<td>38.6</td>
<td>12.4</td>
<td>2.23</td>
<td>3.11</td>
</tr>
<tr>
<td>Drive Lanes</td>
<td>Illuminance</td>
<td>Fc</td>
<td>10.35</td>
<td>27.0</td>
<td>3.1</td>
<td>3.34</td>
<td>8.71</td>
</tr>
</tbody>
</table>
NOT USED

NOT TO SCALE 10  GROUND BUS BAR DETAIL
NOT TO SCALE 11  GROUND BUS BAR DETAIL
NOT TO SCALE 12  NOT USED

NOT TO SCALE 9  NOT USED
NOT TO SCALE 8  FULLBOX WITH MEDIA CONVERTER AND LOCAL SWITCH

PROVIDE "CM # 10522-000" GROUND BAR ASSEMBLY OR EQUAL.
# COMPLIES

## COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual 12/31 Energy Use Intensity (EUI))

<table>
<thead>
<tr>
<th>Performance Component</th>
<th>Standard Design (kBTU/sqft/year)</th>
<th>Proposed Design (kBTU/sqft/year)</th>
<th>Compliance Margin (kBTU/sqft/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Envelope</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interior Walls</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interior Ceilings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interior Finishes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lighting</td>
<td>473</td>
<td>473</td>
<td>0</td>
</tr>
<tr>
<td>Equipment</td>
<td>473</td>
<td>365</td>
<td>108</td>
</tr>
<tr>
<td>Total EUI</td>
<td>946</td>
<td>838</td>
<td>108</td>
</tr>
</tbody>
</table>

## EXCEEDING COMPLIANCE

- **Roof:**
  - Compliant

- **Wall:**
  - Compliant

- **Floor:**
  - Compliant

- **Interior Walls:**
  - Compliant

- **Interior Ceilings:**
  - Compliant

- **Interior Finishes:**
  - Compliant

## MECHANICAL COMPLIANCE FORMS

- **M0.2**

## EXCEPTIONAL CONDITIONS

- None observed.

## ENERGIES STANDARDS COMPLIANCE TOTAL

- **EUI:** 946 kBTU/sqft/year
- **Compliance Margin:** 108 kBTU/sqft/year

## MAJOR VARIATIONS

- None observed.

## ELEVATOR SYSTEMS

- Compliant

## EXTERIOR WALLS

- Compliant

## EXTERIOR WINDOWS & ENTRANCES

- Compliant

## ENERGY-RELATED BUILDING ISSUES

- None observed.
### Building Components

<table>
<thead>
<tr>
<th>No.</th>
<th>Building Component</th>
<th>M0.4</th>
<th>Form/Title</th>
<th>Responsible Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mechanical Lighting</td>
<td>2</td>
<td>M0.4 MECH Light Fixtures</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>2</td>
<td>HVAC System</td>
<td>2</td>
<td>M0.4 HVAC System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>3</td>
<td>Plumbing System</td>
<td>2</td>
<td>M0.4 Plumbing System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>4</td>
<td>Other Lights</td>
<td>2</td>
<td>M0.4 Other Lights</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>5</td>
<td>Electrical System</td>
<td>2</td>
<td>M0.4 Electrical System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>6</td>
<td>Mechanical System</td>
<td>2</td>
<td>M0.4 Mechanical System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>7</td>
<td>Entrance System</td>
<td>2</td>
<td>M0.4 Entrance System</td>
<td>Franklin Nguyen</td>
</tr>
</tbody>
</table>

### Compliance Forms

<table>
<thead>
<tr>
<th>No.</th>
<th>Form/Title</th>
<th>Responsible Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M0.4 MECH Light Fixtures</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>2</td>
<td>M0.4 HVAC System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>3</td>
<td>M0.4 Plumbing System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>4</td>
<td>M0.4 Other Lights</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>5</td>
<td>M0.4 Electrical System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>6</td>
<td>M0.4 Mechanical System</td>
<td>Franklin Nguyen</td>
</tr>
<tr>
<td>7</td>
<td>M0.4 Entrance System</td>
<td>Franklin Nguyen</td>
</tr>
</tbody>
</table>

### Certificate of Completion

Franklin Nguyen

2022-02-02
## PLUMBING GENERAL NOTES

1. **Design**
   - All plumbing systems shall be designed and constructed in accordance with the International Plumbing Code.
   - All plumbing systems shall comply with the Uniform Plumbing Code.
   - All plumbing systems shall comply with the California Plumbing Code.
   - All plumbing systems shall comply with the California Building Code.

2. **Materials**
   - All plumbing fixtures, fittings, and valves shall be of durable materials suitable for the intended use.
   - All plumbing systems shall be constructed with materials that comply with the California Building Code.

3. **Installation**
   - All plumbing systems shall be installed in accordance with the California Building Code.
   - All plumbing systems shall be installed in accordance with the Uniform Plumbing Code.

4. **Testing**
   - All plumbing systems shall be tested in accordance with the California Building Code.
   - All plumbing systems shall be tested in accordance with the Uniform Plumbing Code.

## WATER CALCULATION

### DOMESTIC WATER FIXTURE UNIT LOADS

<table>
<thead>
<tr>
<th>Fixture</th>
<th>Q (gpm)</th>
<th>FES (gpm)</th>
<th>FFPS (gpm)</th>
<th>PFS (gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Tub</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Shower</td>
<td>2</td>
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<tr>
<td>Dish</td>
<td>1</td>
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</tr>
<tr>
<td>Clothes</td>
<td>0.5</td>
<td>0</td>
<td>0</td>
<td>0.5</td>
</tr>
</tbody>
</table>

**TOTAL:** 14 gpm

### PLUMBING LEGEND

- **C**: Cold Water
- **H**: Hot Water

## SHEET INDEX

- **0.1**: Code
- **0.2**: Design
- **0.3**: Construction

## ANCHORAGE DESIGN CRITERIA

1. **Seismic Forces**
   - All structures shall be designed and constructed to resist seismic forces in accordance with the California Building Code.

2. **Wind Forces**
   - All structures shall be designed and constructed to resist wind forces in accordance with the California Building Code.

3. **Snow Forces**
   - All structures shall be designed and constructed to resist snow forces in accordance with the California Building Code.

## HYDRAULIC WATER CALCULATION

### DOMESTIC COLD WATER SIZING

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Flow Rate</th>
<th>Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 psi</td>
<td>5</td>
<td>1&quot;</td>
</tr>
<tr>
<td>150 psi</td>
<td>4</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>100 psi</td>
<td>3</td>
<td>2&quot;</td>
</tr>
<tr>
<td>50 psi</td>
<td>2</td>
<td>2-1/2&quot;</td>
</tr>
</tbody>
</table>

## PLUMBING GENERAL NOTES:

- **Design**: All plumbing systems shall be designed and constructed in accordance with the International Plumbing Code.
- **Materials**: All plumbing fixtures, fittings, and valves shall be of durable materials suitable for the intended use.
- **Installation**: All plumbing systems shall be installed in accordance with the International Plumbing Code.
- **Testing**: All plumbing systems shall be tested in accordance with the International Plumbing Code.
### PLUMBING EQUIPMENT SCHEDULE

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Location</th>
<th>Manufacturer and Model</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
<td>122</td>
<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
<td>123</td>
<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
<td>124</td>
<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
<td>125</td>
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<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
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<td>1/2</td>
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<tr>
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<td>128</td>
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<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
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<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
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<tr>
<td>130</td>
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<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
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<tr>
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<td>American Standard 2020-602</td>
<td>1/2</td>
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<tr>
<td>132</td>
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<tr>
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<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
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<tr>
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<td>American Standard 2020-602</td>
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<tr>
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<td>American Standard 2020-602</td>
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</tr>
<tr>
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<td>1/2</td>
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<tr>
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<td>1/2</td>
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<tr>
<td>140</td>
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<td>American Standard 2020-602</td>
<td>1/2</td>
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<td>Main Level</td>
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<td>1/2</td>
</tr>
<tr>
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<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
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<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
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<td>1/2</td>
</tr>
<tr>
<td>145</td>
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<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
<td>146</td>
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<tr>
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<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
<tr>
<td>148</td>
<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
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<tr>
<td>149</td>
<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
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<tr>
<td>150</td>
<td>Water Closet</td>
<td>Main Level</td>
<td>American Standard 2020-602</td>
<td>1/2</td>
</tr>
</tbody>
</table>

### PIPE MATERIAL TABLE

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Type</th>
<th>Pipe</th>
<th>Fittings</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>Copper</td>
<td>1/2&quot; C 134</td>
<td>1/2&quot; C 134</td>
<td>1/2&quot; C 134</td>
</tr>
<tr>
<td>30</td>
<td>Copper</td>
<td>1&quot; C 134</td>
<td>1&quot; C 134</td>
<td>1&quot; C 134</td>
</tr>
<tr>
<td>40</td>
<td>Copper</td>
<td>1/2&quot; C 134</td>
<td>1/2&quot; C 134</td>
<td>1/2&quot; C 134</td>
</tr>
<tr>
<td>40</td>
<td>Copper</td>
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<td>1&quot; C 134</td>
<td>1&quot; C 134</td>
</tr>
<tr>
<td>60</td>
<td>Copper</td>
<td>1/2&quot; C 134</td>
<td>1/2&quot; C 134</td>
<td>1/2&quot; C 134</td>
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<tr>
<td>60</td>
<td>Copper</td>
<td>1&quot; C 134</td>
<td>1&quot; C 134</td>
<td>1&quot; C 134</td>
</tr>
</tbody>
</table>

*Note: All copper piping shall be bright annealed.*
40-FOOT BUS DESIGNATION

Overall Length: 40.000 ft
Overall Width: 8.500 ft
Overall Body Height: 10.228 ft
Min Body Ground Clearance: 1.158 ft
Track Width: 8.500 ft
Lock-to-lock time: 6.00 s
Max Steering Angle (Virtual): 44.30°