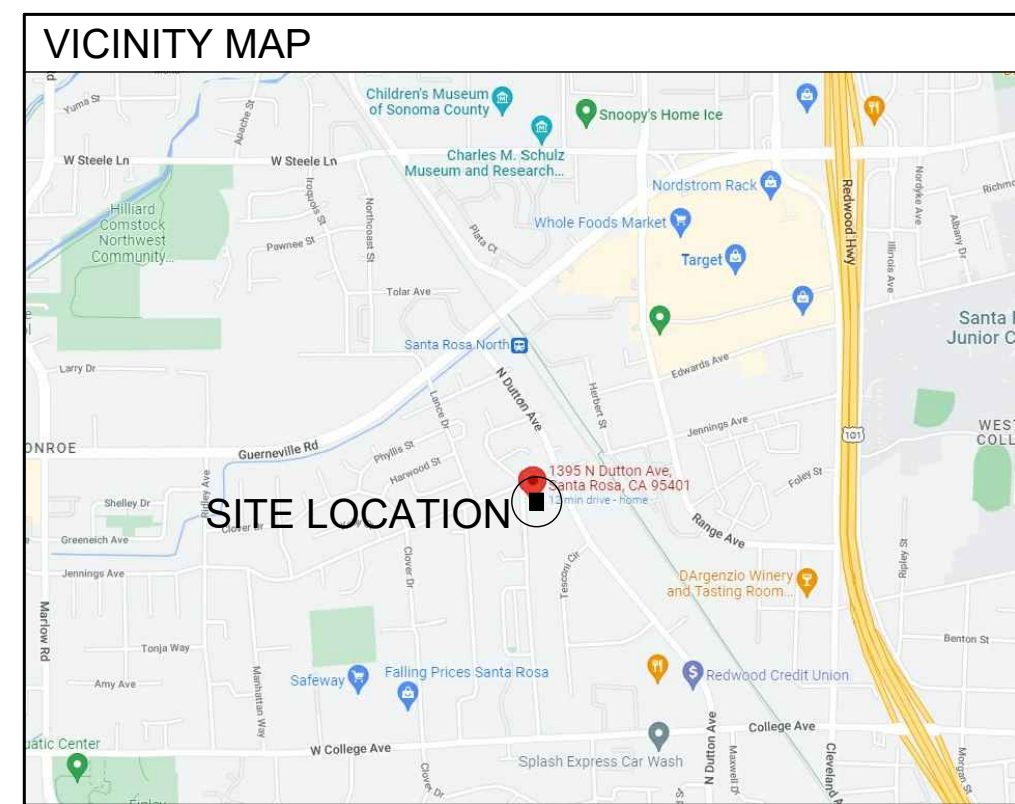


# TENANT IMPROVEMENT 1425-1435 N. DUTTON AVE. SANTA ROSA, CA 95401

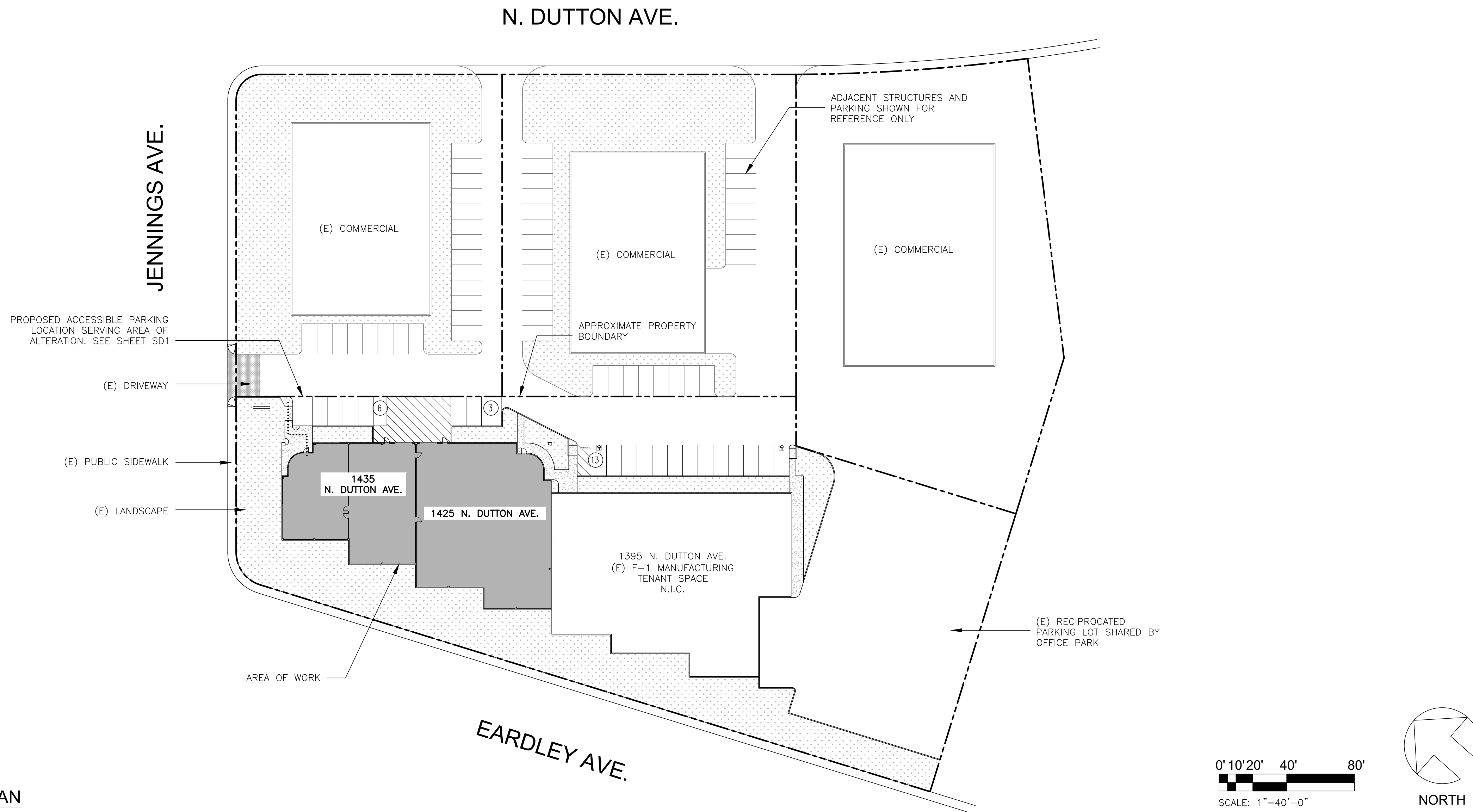
City of Santa Rosa  
Planning & Economic  
Development Department  
07/12/2022  
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SHEET INDEX	
CVR	COVER SHEET
SD1	SITE DETAILS
A0	CODE ANALYSIS
A1	PROPOSED FLOOR PLAN
AS1	ACCESSIBILITY
E0.1	ELECTRICAL COVER SHEET
E2.1	POWER PLAN
E6.1	PANEL SCHEDULES

SCOPE OF WORK	
TENANT AT 1425 N. DUTTON IS PROPOSING TO LEASE THE ADJACENT VACANT TENANT SPACE AT 1435 N. DUTTON. TENANT IMPROVEMENTS AS PART OF LEASING THE ADJACENT SPACE INCLUDE:	
<ol style="list-style-type: none"> <li>RELOCATION OF (E) MANUFACTURING EQUIPMENT FROM (E) FACILITY TO PROPOSED TENANT SPACE</li> <li>REMOVAL OF (E) DOOR AND WIDENING OPENING BETWEEN TENANT SPACES TO CREATE ACCESS BETWEEN SPACES</li> <li>PATH OF TRAVEL ACCESSIBILITY IMPROVEMENTS INCLUDING:                     <ol style="list-style-type: none"> <li>PROVIDING A (N) CURB RAMP AND ACCESSIBLE PARKING SPACE AND PARKING SIGNS</li> <li>MODIFYING ENTRANCE DOOR HARDWARE</li> <li>MODIFYING INTERIOR DOOR TO PROVIDE ACCESSIBLE ROUTE TO THE AREA OF ALTERATION</li> </ol> </li> </ol>	



PROJECT INFORMATION	
PROJECT LOCATION:	1425-1435 N. DUTTON AVE. SANTA ROSA, CA, 95401
ASSESSOR'S PARCEL NO'S:	036-253-001
ZONING:	BP-SA: BUSINESS PARK, NORTH STATION AREA COMBINING DISTRICT
CONSTRUCTION:	VB, 1 STORY STRUCTURE (E) SPRINKLER TO REMAIN
EXISTING OCCUPANCY:	F-1: MANUFACTURING
PROPOSED OCCUPANCY:	F-1: MANUFACTURING
PROJECT DESCRIPTION:	TENANT IMPROVEMENT
SITE AREA:	70,131 S.F.
EXISTING STRUCTURE AREA:	7,204 S.F. 1425 N. DUTTON 4,997 S.F. 1435 N. DUTTON
PROPOSED STRUCTURE AREA:	7,204 S.F. 1425 N. DUTTON 4,997 S.F. 1435 N. DUTTON
PARKING:	RECIPROCATED PARKING FOR BUSINESS PARK, ONE (N) ACCESSIBLE PARKING SPACE PROPOSED FOR TENANT



01 REFERENCE SITE PLAN  
SCALE: 1" = 40'-0"

GENERAL NOTES	
1. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AND SPECIFICATIONS THAT MAY SUPPLEMENT THESE DRAWINGS ARE A PART OF THE CONTRACT DOCUMENT.	6. CONTRACTOR SHALL COORDINATE THE WORK OF THE VARIOUS TRADES AND SUBCONTRACTORS AND SHALL BE RESPONSIBLE FOR ANY ACTS, OMISSIONS OR ERRORS OF THE SUBCONTRACTORS AND OF PERSONS EMPLOYED BY THEM.
2. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL BUILDING CODES AND REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS APPLICABLE TO SPECIFIC TRADES OR SUBCONTRACTORS WORK.	7. CONTRACTOR TO VERIFY ALL EXISTING AND PROPOSED WRITTEN DIMENSIONS ON PLAN. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY AND BE MADE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. OWNER MUST BE NOTIFIED IN WRITING OF ANY PROPOSED OR REQUIRED VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN, AND A WRITTEN CHANGE ORDER ISSUED BEFORE MAKING ANY CHANGES AT THE JOB SITE.
3. CONTRACTOR SHALL EXAMINE THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS. ANY CONFLICTS OR DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS SHALL BE BROUGHT TO THE OWNERS ATTENTION PRIOR TO COMMENCING WORK.	8. ALL CONSTRUCTION MATERIALS AND SUPPLIES TO BE STORED, HANDLED AND INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.
4. BY ACCEPTING AND USING THESE DRAWINGS, CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, NOT LIMITED TO NORMAL WORKING HOURS.	9. DRAWINGS INDICATE (N) NEW CONSTRUCTION UNLESS NOTED AS (E) EXISTING. BASED ON EXPERIENCE, THE CONTRACTOR SHOULD ANTICIPATE A REASONABLE NUMBER OF ADJUSTMENTS AND REPAIR TO EXISTING CONDITIONS, TO FULLY MEET THE DESIGN OBJECTIVES.
5. CONTRACTOR ACKNOWLEDGES THOROUGH FAMILIARIZATION WITH THE BUILDING SITE CONDITIONS, WITH THE DRAWINGS, AND FULL SCOPE OF WORK, WHICH MAY AFFECT THE OPERATIONS AND COMPLETION OF THE WORK, AND ASSUMES ALL RISK THEREFROM.	10. WHEN SPECIFIC FEATURES OF CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, OR CALLED FOR IN THE GENERAL NOTES, THEIR CONSTRUCTION SHALL MATCH SIMILAR OR EXISTING CONDITIONS, OR AS REQUIRED BY APPLICABLE LOCAL CODE.

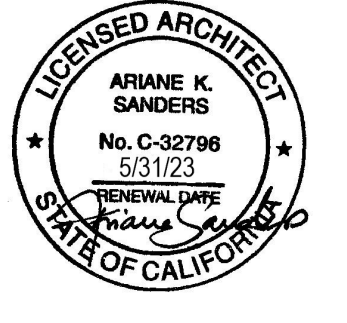
LEGEND	
	TENANT SPACE
	EXISTING LANDSCAPE
	ACCESSIBLE ROUTE
	APPROXIMATE PROPERTY BOUNDARY

CODE SUMMARY	
2019 CALIFORNIA BUILDING CODE	
2019 CALIFORNIA ELECTRICAL CODE	
2019 CALIFORNIA MECHANICAL CODE	
2019 CALIFORNIA PLUMBING CODE	
2019 CALIFORNIA ENERGY CODE	
CITY OF SANTA ROSA MUNICIPAL CODES AND ALL OTHER APPLICABLE STATE AND LOCAL ORDINANCES AND REGULATIONS.	

PATH OF TRAVEL (11B-202.4 EXCEPTION 8)	
WHEN THE ADJUSTED CONSTRUCTION COST, AS DEFINED, IS LESS THAN OR EQUAL TO THE CURRENT VALUATION THRESHOLD, AS DEFINED, THE COST OF COMPLIANCE WITH SECTION 11B-202.4 SHALL BE LIMITED TO 20 PERCENT OF THE ADJUSTED CONSTRUCTION COST OF ALTERATIONS, STRUCTURAL REPAIRS OR ADDITIONS. WHEN THE COST OF FULL COMPLIANCE WITH SECTION 11B-202.4 WOULD EXCEED 20 PERCENT, COMPLIANCE SHALL BE PROVIDED TO THE GREATEST EXTENT POSSIBLE WITHOUT EXCEEDING 20 PERCENT.	
IN CHOOSING WHICH ACCESSIBLE ELEMENTS TO PROVIDE, PRIORITY SHOULD BE GIVEN TO THOSE ELEMENTS THAT WILL PROVIDE THE GREATEST ACCESS IN THE FOLLOWING ORDER:	
1.	AN ACCESSIBLE ENTRANCE: REPLACE (E) CURB RAMP AT PROPOSED ACCESSIBLE PARKING LOCATION. ENTRANCE DOOR HARDWARE TO BE REPLACED. ADJUST DOOR CLOSER TO PROVIDE 5 LBS MAX FORCE TO OPEN AND 5 SECOND MIN CLOSING SPEED
2.	AN ACCESSIBLE ROUTE TO THE ALTERED AREA; MODIFY DOOR SWING LEADING TO TENANT IMPROVEMENT AREA TO PROVIDE AN ACCESSIBLE ROUTE TO THE ALTERED AREA
3.	AT LEAST ONE ACCESSIBLE RESTROOM FOR EACH SEX OR ONE ACCESSIBLE UNISEX (SINGLE-USER OR FAMILY) RESTROOM; EXISTING RESTROOMS TO REMAIN, PROVIDING COMPLIANT ACCESSIBLE RESTROOMS IS NOT FEASIBLE WITHIN THE 20% PATH OF TRAVEL SPEND
4.	ACCESSIBLE TELEPHONES; N/A
5.	ACCESSIBLE DRINKING FOUNTAINS; AND N/A
6.	WHEN POSSIBLE, ADDITIONAL ACCESSIBLE ELEMENTS SUCH AS PARKING, SIGNS, STORAGE AND ALARMS. A NEW ACCESSIBLE PARKING SPACE SERVING THE TENANT SPACE IS PROPOSED. NEW ACCESSIBLE PARKING SIGNS ARE PROPOSED. ISA ENTRANCE SIGN, AND TACTILE EXIT SIGNS ARE PROPOSED

CONTACT	
<b>OWNER'S REPRESENTATIVE:</b> 1355 N. DUTTON AVE SANTA ROSA, CA 95401 CONTACT: ZACK PARKER TEL: 707.974.1967 EMAIL: BUILDERS@KEEGANCOPPIN.COM	
<b>ELECTRICAL:</b> O'ROURKE ELECTRIC, INC. 3347 INDUSTRIAL DRIVE #4, SANTA ROSA, CA 95403 CONTACT: DAN O'ROURKE TEL: (707)528-8539 EMAIL: DAN@OROURKEELECTRIC.COM	
<b>DRAWN BY:</b> GATHER MANAGEMENT, LLC. 4405 BROOKSHIRE CIRCLE SANTA ROSA, CA 95405 CONTACT: ERNEST WUETHRICH TEL: 707.494.8857 EMAIL: ERNEST@WEAREGATHER.COM	

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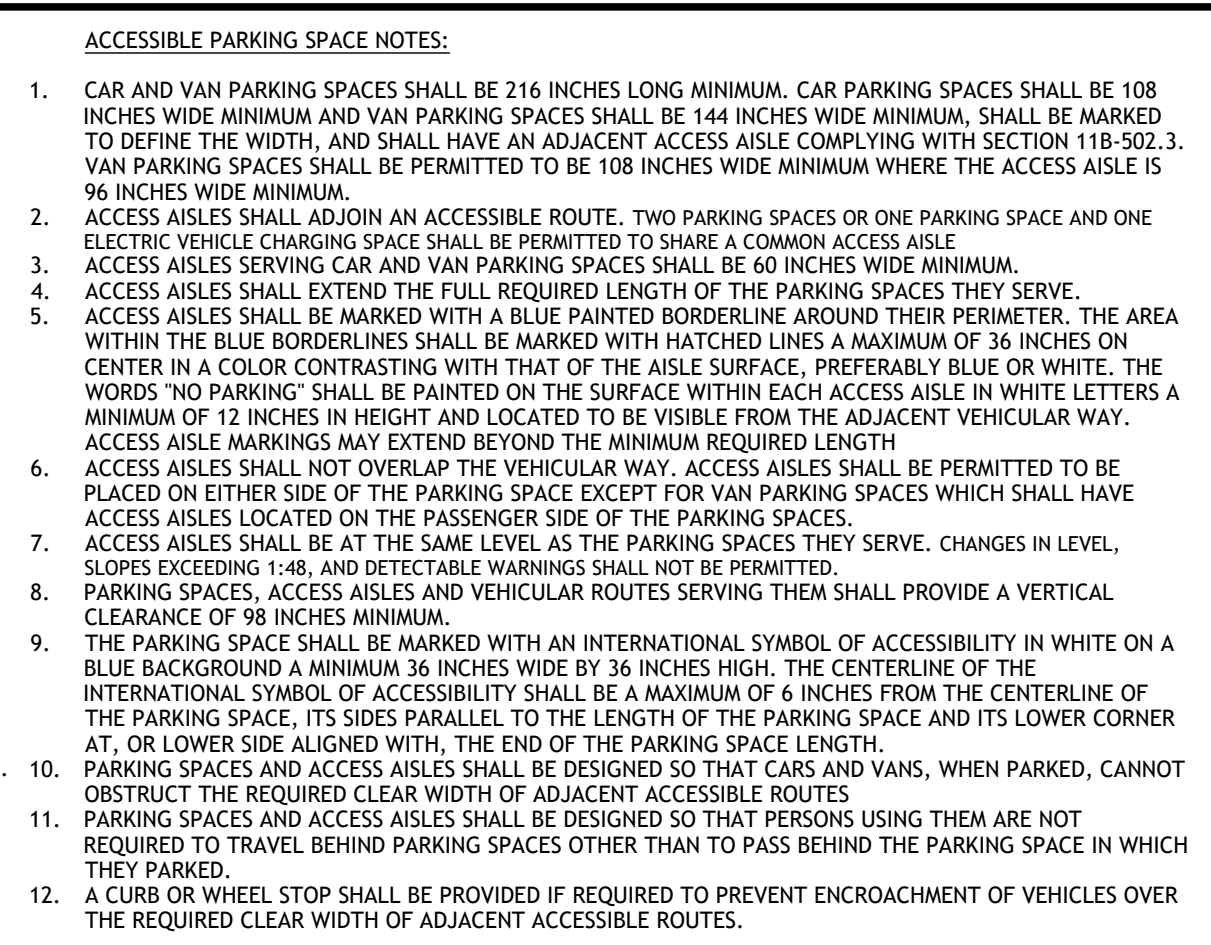
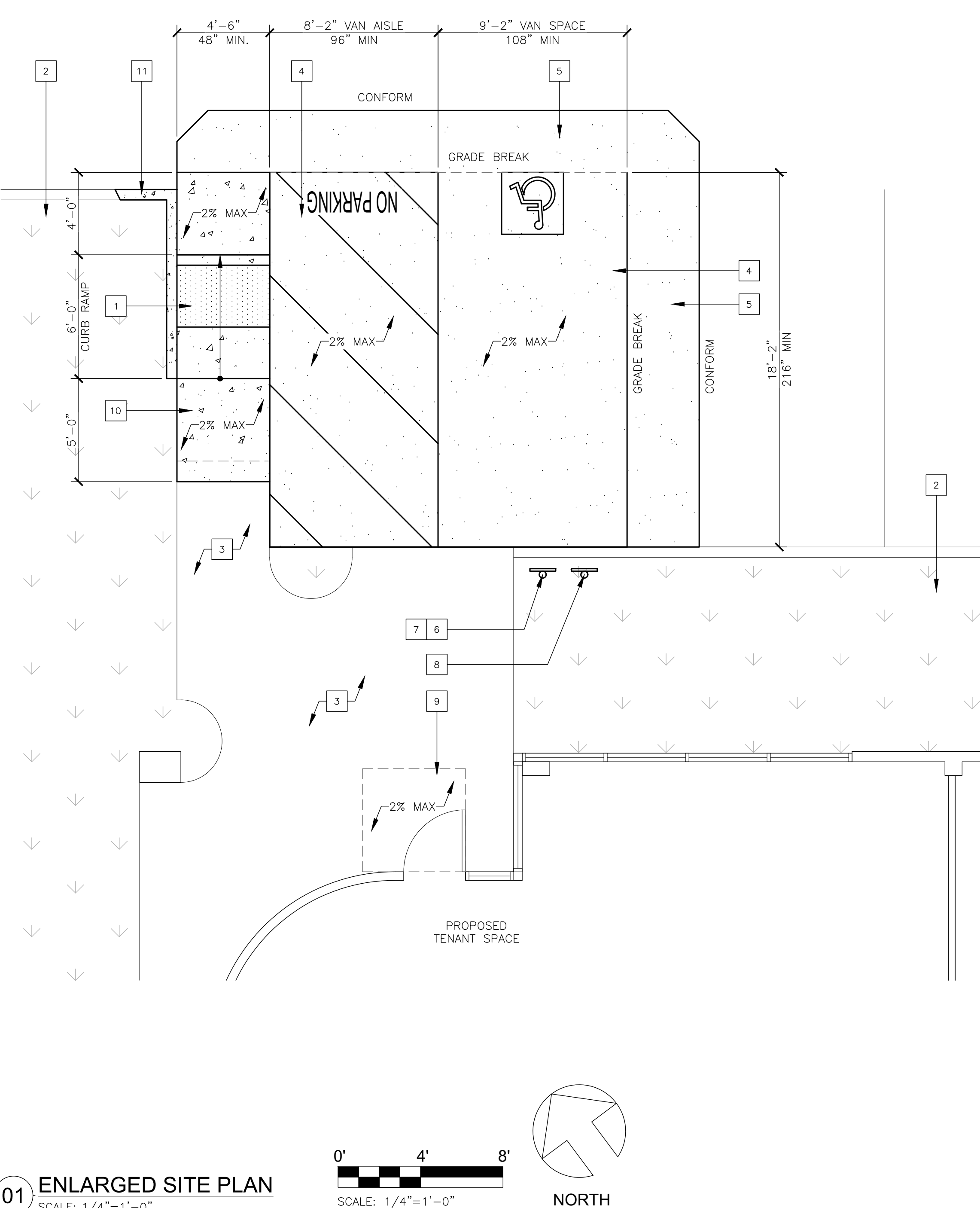
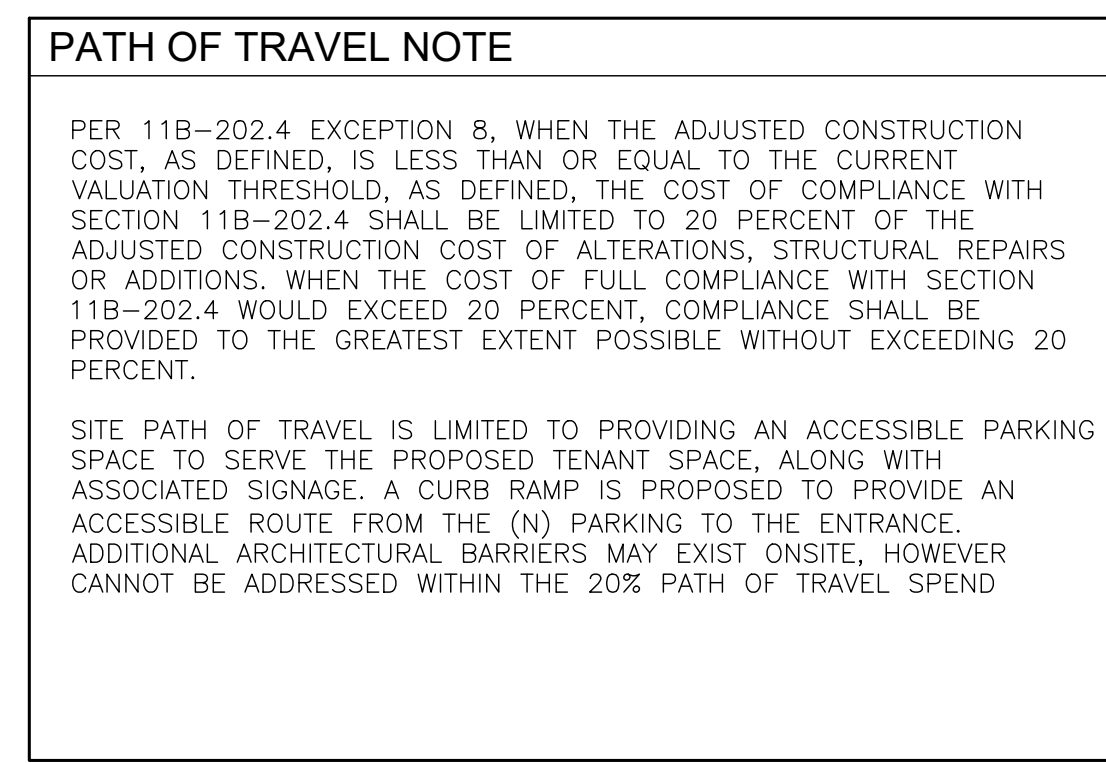
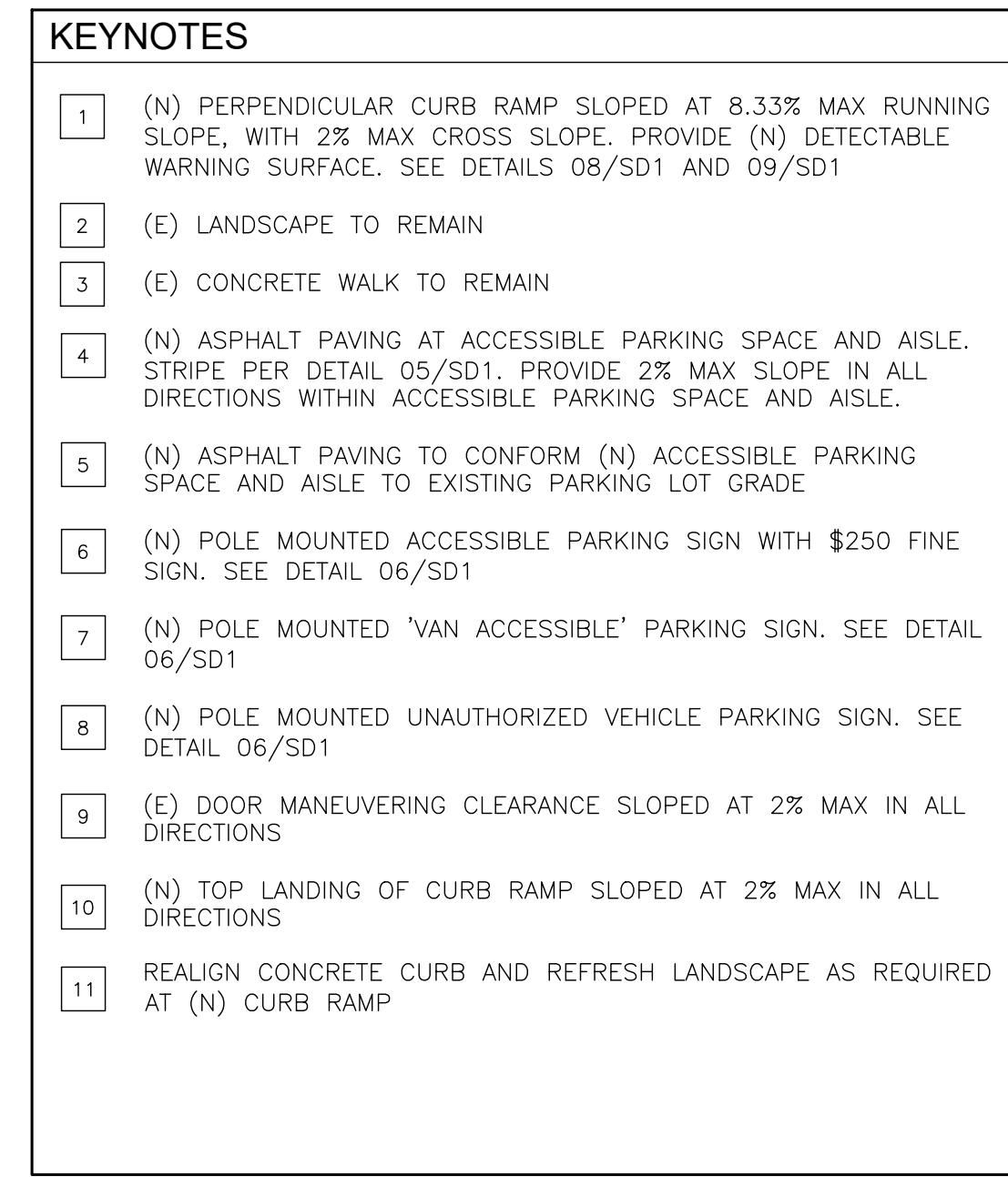
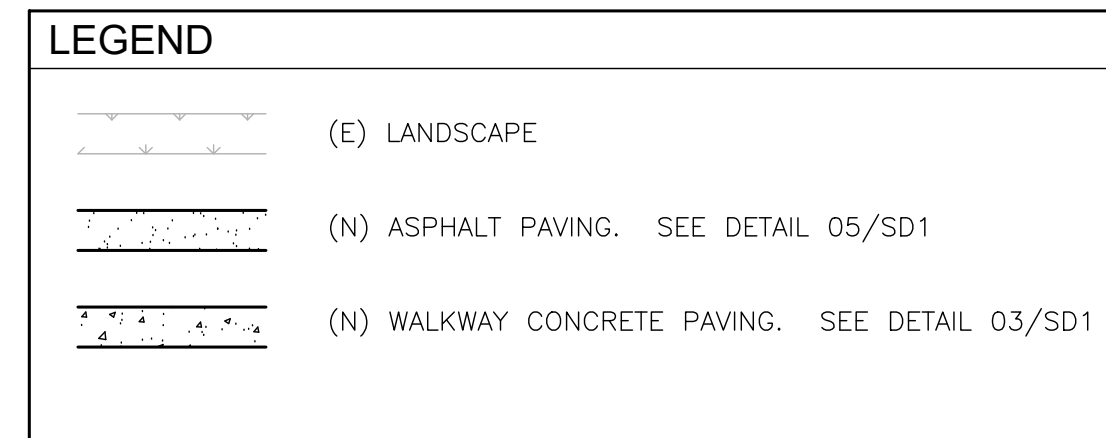


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DATE	ISSUED FOR PERMIT
06/28/2022	

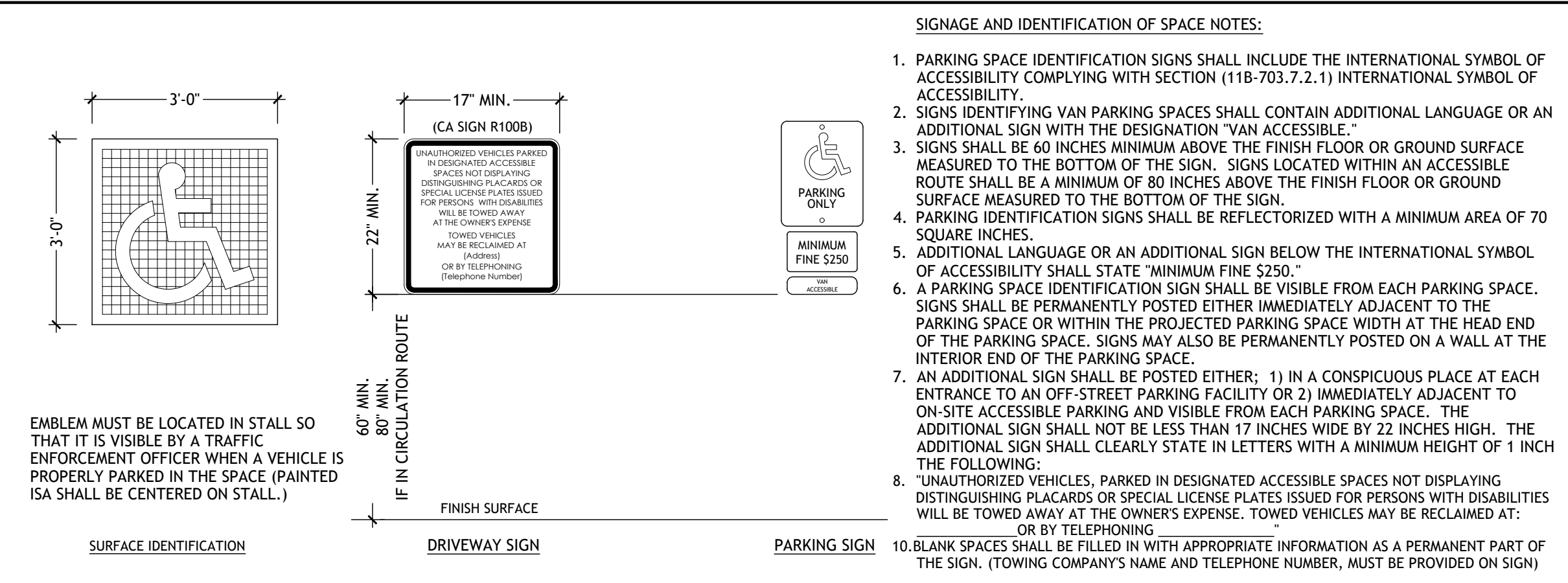
TENANT IMPROVEMENT  
1425-1435 N. DUTTON AVE.  
SANTA ROSA, CA 95401

SHEET TITLE  
COVER SHEET

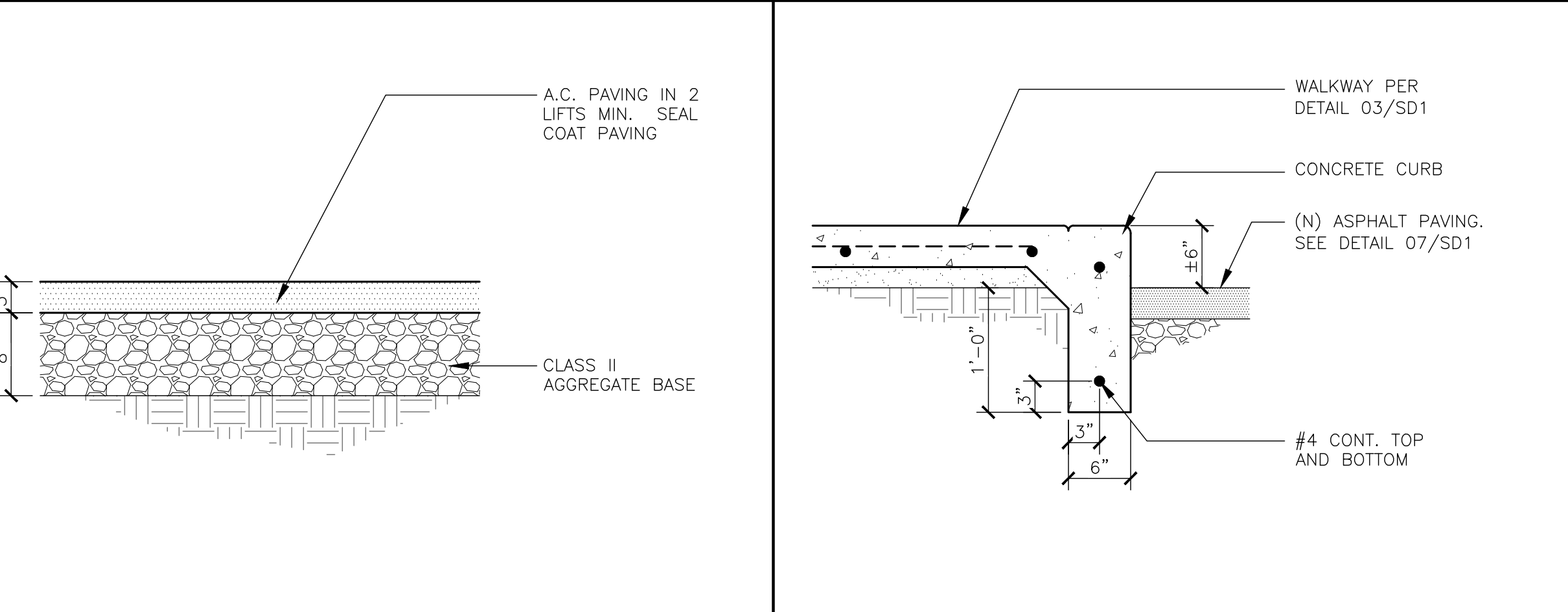
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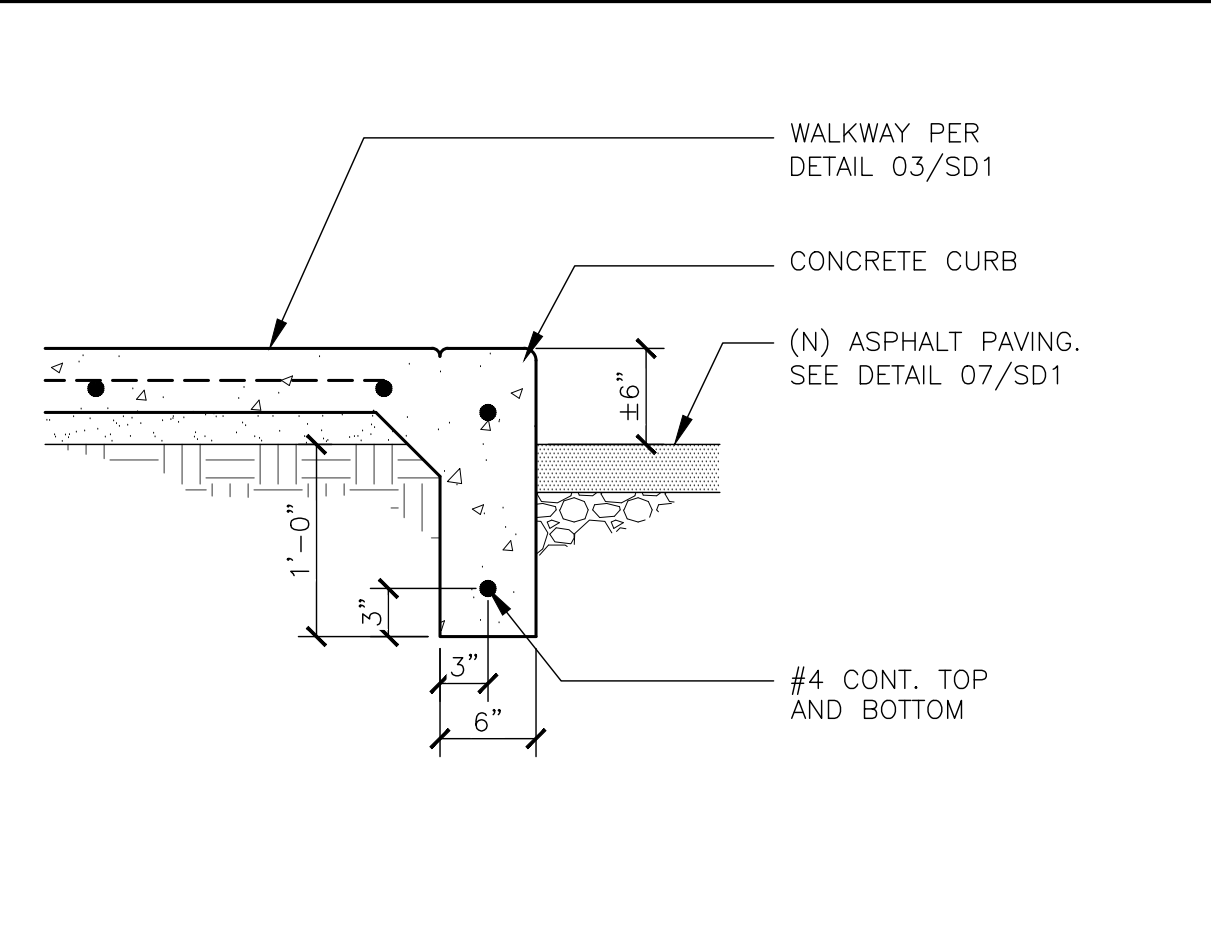
**07 ACCESSIBLE PARKING SPACE**  
 SCALE: -



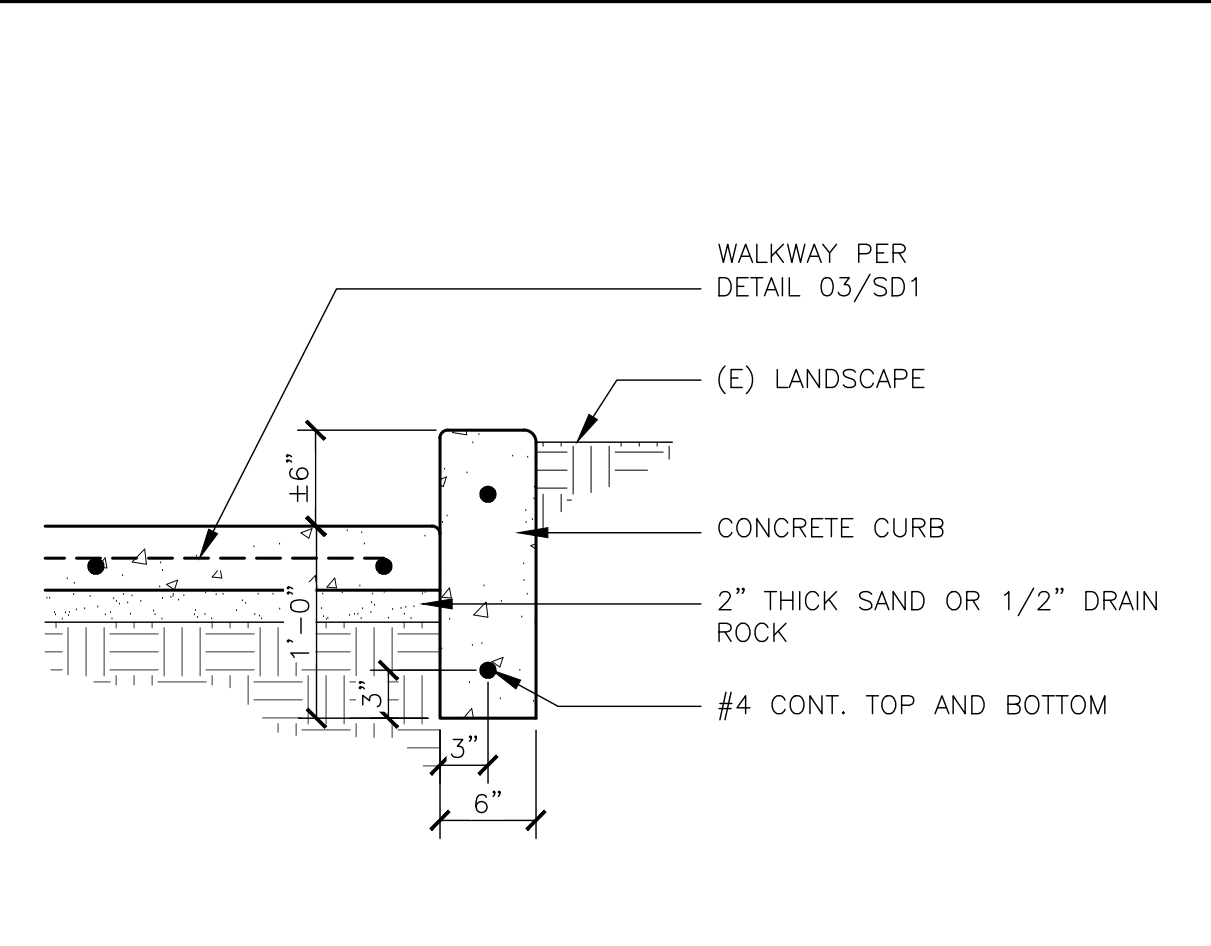
**06 ACCESSIBLE PARKING SIGNS**  
 SCALE: -



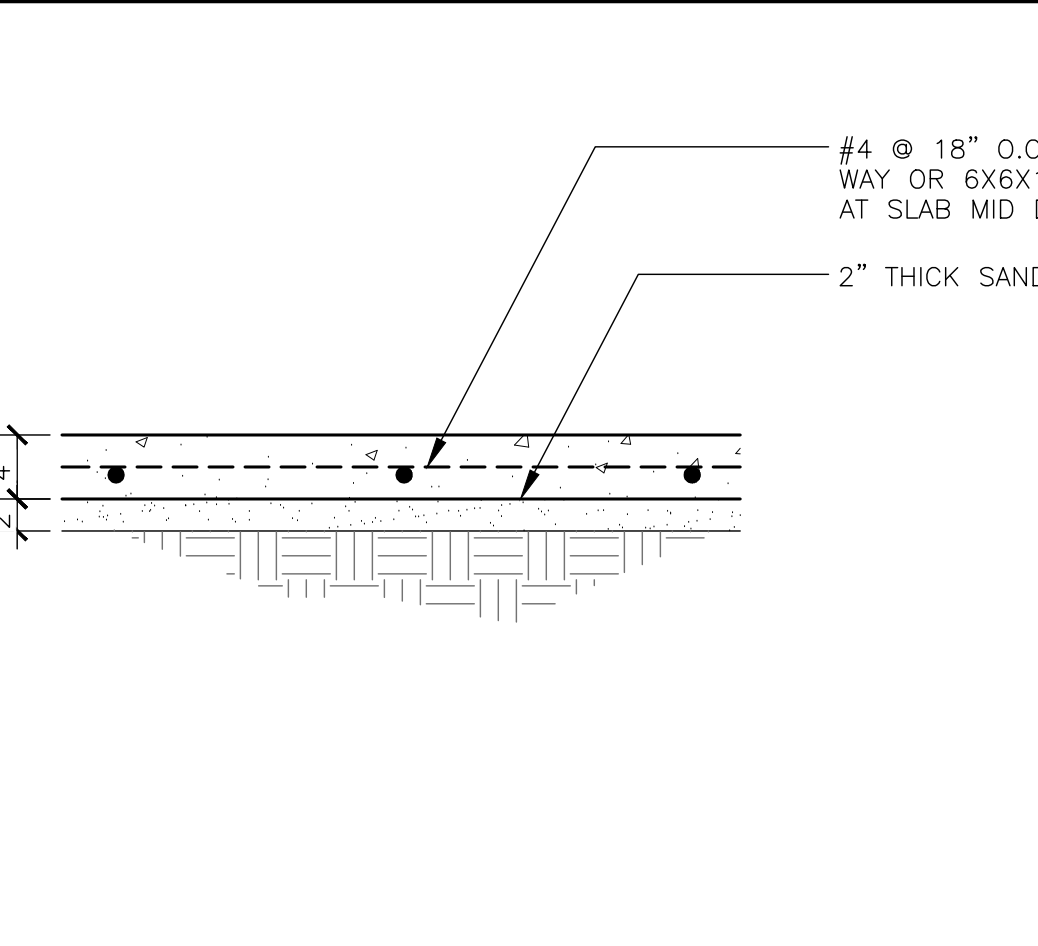
**05 ASPHALT AT PARKING**  
 SCALE: 1"=1'-0"



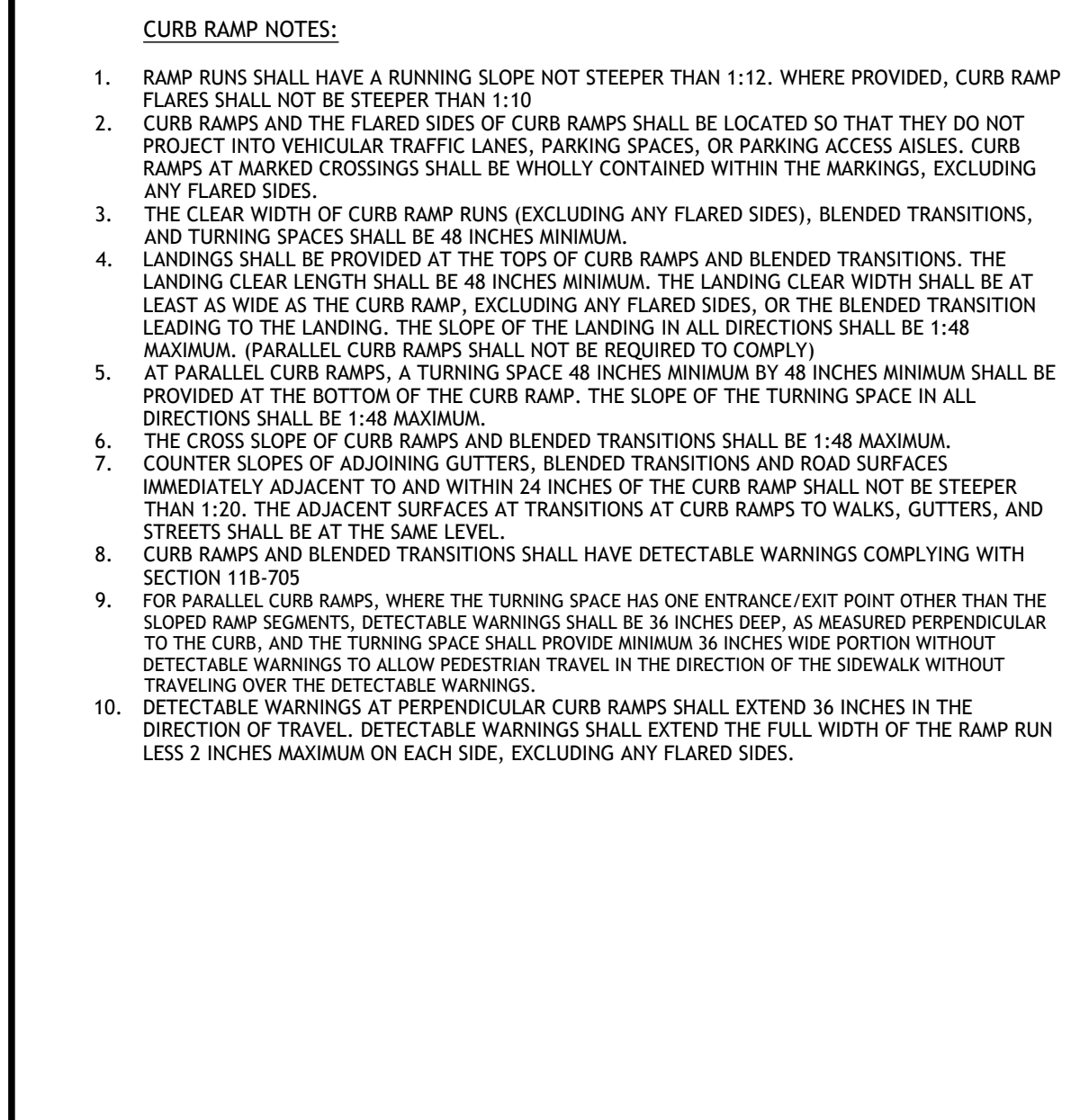
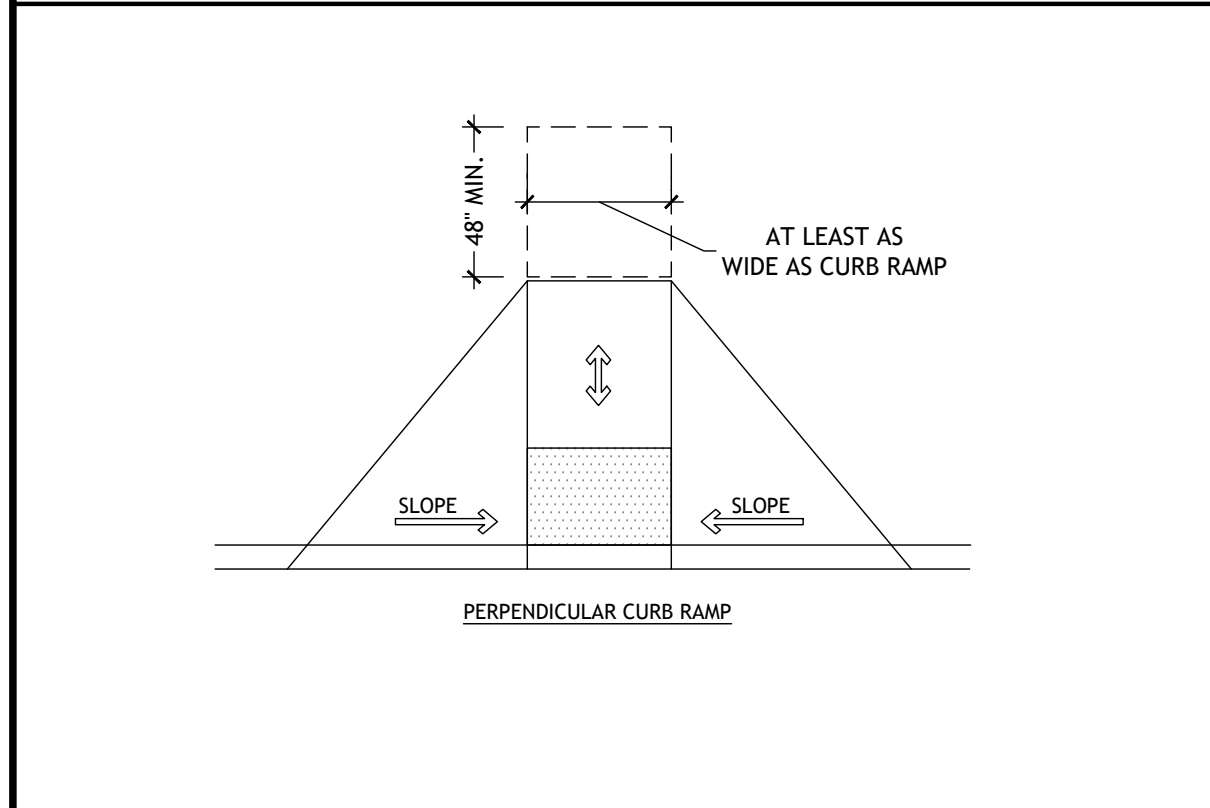
**04 CURB AT PARKING**  
 SCALE: 1"=1'-0"



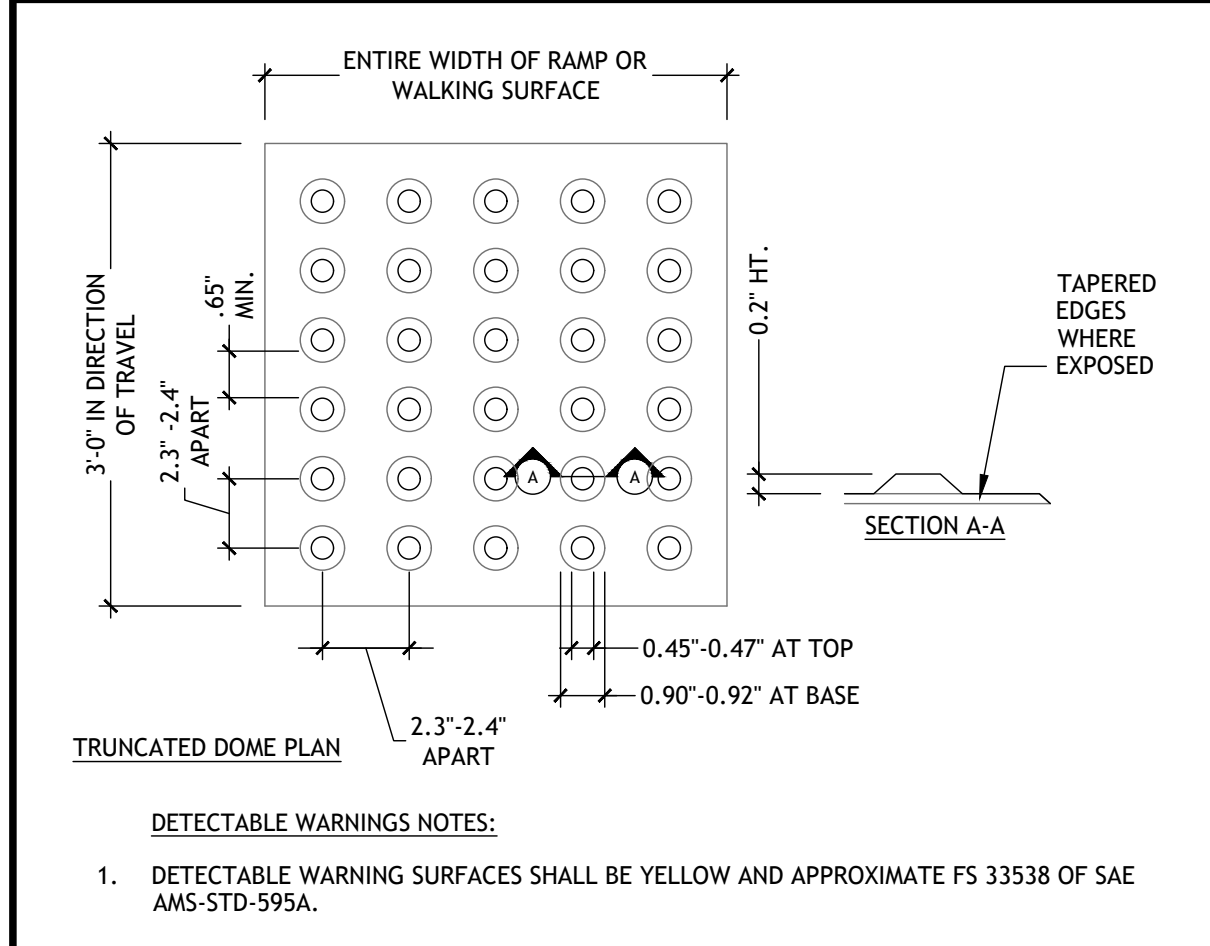
**02 CURB AT LANDSCAPE**  
 SCALE: 1"=1'-0"



**03 WALKWAY DETAIL**  
 SCALE: 1"=1'-0"



**09 CURB RAMP NOTES**  
 SCALE: -



**08 DETECTABLE WARNING SURFACE**  
 SCALE: -

**FIRE SEPARATION**

- (E) EXTERIOR WALLS: (E) CONCRETE TILT-UP WALL
- (E) OCCUPANT SEPARATION: (E) 2X6 STUD PARTITION WALL BETWEEN TENANT SPACES
- TENANT SPACES ARE PROVIDED WITH (E) SPRINKLER SYSTEM

**CODE ANALYSIS - 1425 N. DUTTON AVE.**

OCCUPANCY: F-1 (EXISTING)  
 CONSTRUCTION: VB, 1 STORY STRUCTURE, SPRINKLERED

ALLOWABLE FLOOR AREA:  
 MIXED OCCUPANCY (CBC 508), SEPARATED (CBC 508.4)  
 PER TABLE 506.2:  
 F-1 ALLOWABLE AREA = 34,000 SF

7,204 SF (EXISTING) < 34,000 SF, COMPLIES

ALLOWABLE HEIGHT:  
 PER TABLE 504.3  
 F-1, VB-SPRINKLERED ALLOWABLE HEIGHT = 60 FT.

EXISTING BUILDING HEIGHT = ±20 FT < 60 FT, COMPLIES

NUMBER OF STORIES:  
 PER TABLE 504.4  
 F-1, SPRINKLERED, MAX. NUMBER OF STORIES = 2

EXISTING BUILDING IS 1 STORY, COMPLIES

SEPARATION:  
 PER TABLE 508.4  
 F-1 TO F-1 NO SEPARATION REQUIREMENT

EXISTING WALLS SEPARATING 1435 N. DUTTON FROM 1425 N. DUTTON = 2X6 STUD PARTITION, COMPLIES

**CODE ANALYSIS - 1435 N. DUTTON AVE.**

OCCUPANCY: F-1:MODERATE-HAZARD PLASTIC MANUFACTURING (PROPOSED)  
 F-1:MODERATE-HAZARD SOAP MANUFACTURING (EXISTING)

CONSTRUCTION: VB, 1 STORY STRUCTURE, SPRINKLERED

ALLOWABLE FLOOR AREA:  
 MIXED OCCUPANCY (CBC 508), SEPARATED (CBC 508.4)  
 PER TABLE 506.2:  
 F-1 ALLOWABLE AREA = 34,000 SF

4,997 SF (EXISTING) < 34,000 SF, COMPLIES

ALLOWABLE HEIGHT:  
 PER TABLE 504.3  
 F-1 VB-SPRINKLERED ALLOWABLE HEIGHT = 60 FT.

EXISTING BUILDING HEIGHT = ±20 FT < 60 FT, COMPLIES

NUMBER OF STORIES:  
 PER TABLE 504.4  
 F-1, SPRINKLERED, MAX. NUMBER OF STORIES = 2

EXISTING BUILDING IS 1 STORY, COMPLIES

SEPARATION:  
 PER TABLE 508.4  
 F-1 TO F-1 NO SEPARATION REQUIREMENT

EXISTING WALLS SEPARATING 1435 N. DUTTON FROM 1425 N. DUTTON = 2X6 STUD PARTITION, COMPLIES

**EXITING REQUIREMENTS**

**1006.2.1 EXITS REQUIRED**

TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1.

**2 EXITS REQUIRED, 2 EXITS PROVIDED. EXIT COUNT COMPLIANT**

**1007.1.1 TWO EXIT SEPARATION DISTANCE**

WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, THE SEPARATION DISTANCE SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED:

1/3 DISTANCE OF 177'-0" = 59'-0"

129'-0" > 59'-0". EXIT SEPARATION DISTANCE COMPLIANT

**1005.3.2 OTHER EGRESS COMPONENTS**

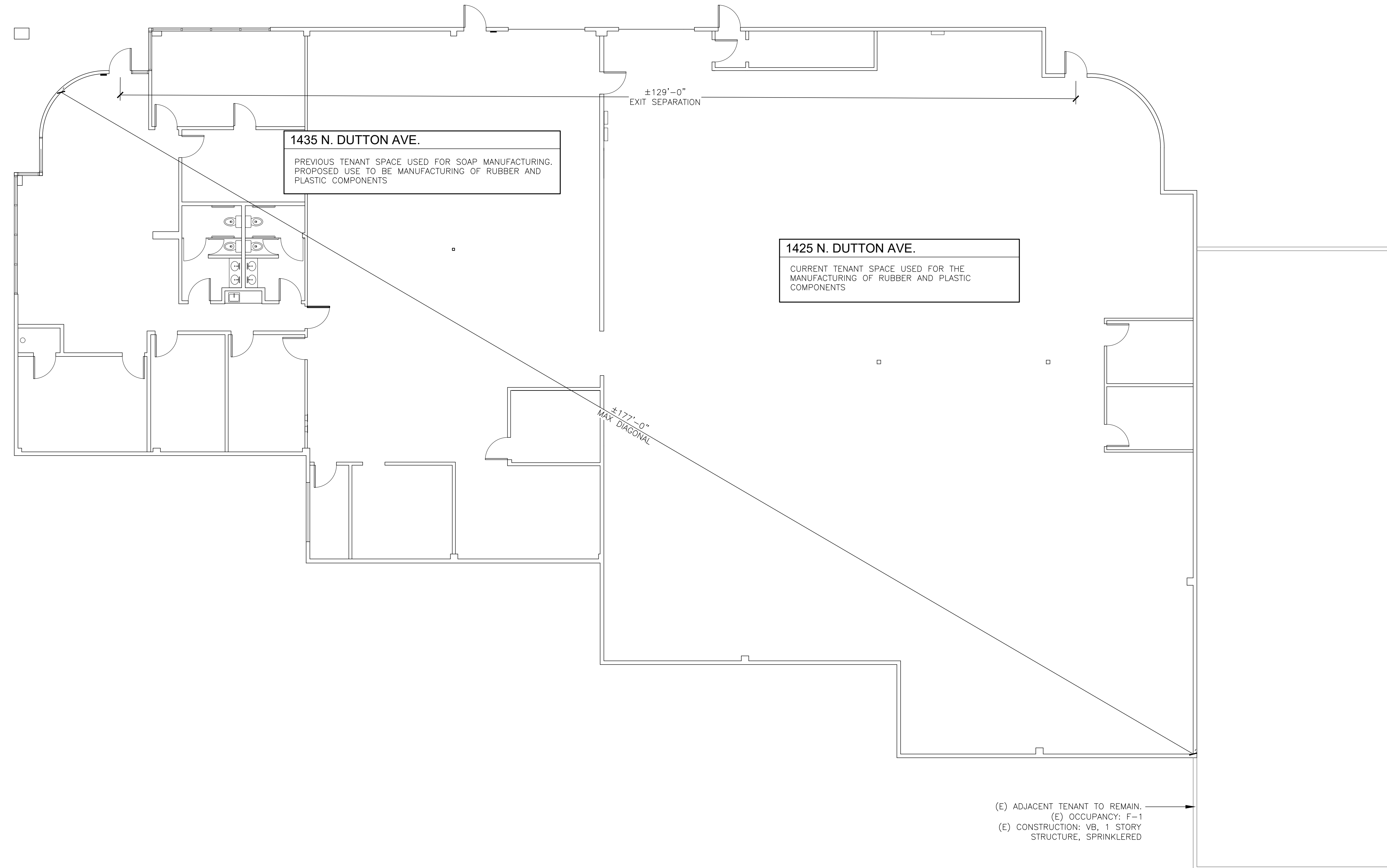
THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH (5.1 MM) PER OCCUPANT.

123 OCCUPANTS X 0.2 = 24.6"

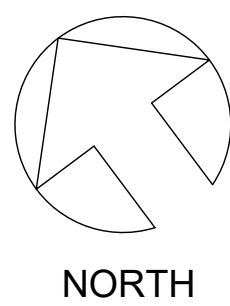
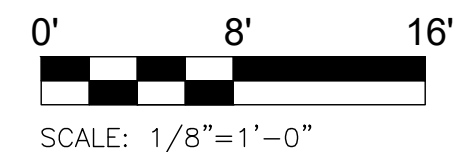
**TWO 36" DOORS (34" CLR.) = 68" EGRESS DOORS PROVIDED. 68" > 24.6". EGRESS WIDTH COMPLIANT**

**OCCUPANCY CALCULATION**

INDUSTRIAL AREA:	1/100 S.F.
7,204 S.F. / 100 =	73 OCCUPANTS
2,787 S.F. / 100 =	28 OCCUPANTS
ASSEMBLY W/OUT FIXED SEATS:	1/15 S.F.
158 S.F. / 15 =	11 OCCUPANTS
BUSINESS AREA:	1/150 S.F.
1,501 S.F. / 150 =	11 OCCUPANTS
<b>TOTAL OCCUPANTS:</b>	<b>123 OCCUPANTS</b>



**01 EXISTING FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"



DRAWN BY:  
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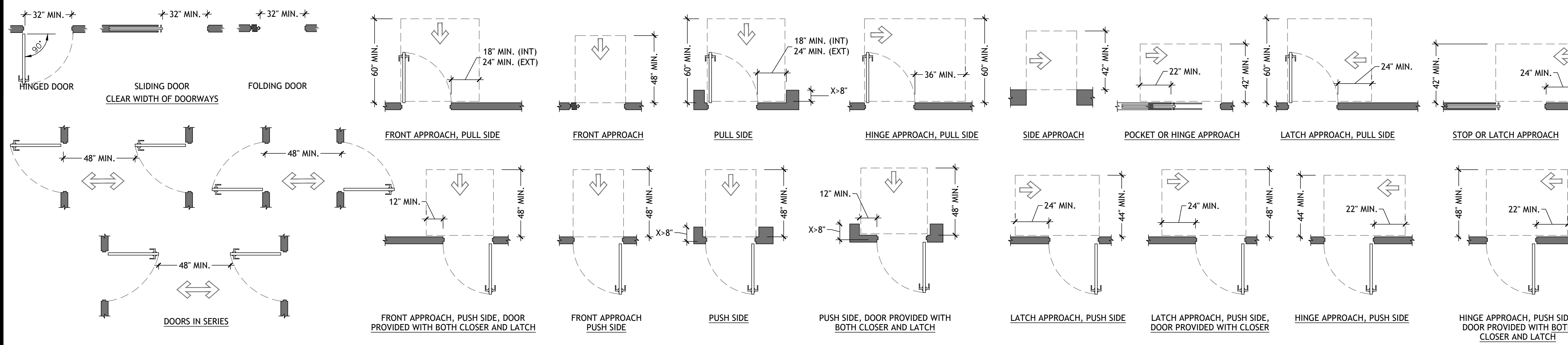
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**TENANT IMPROVEMENT**  
 1425-1435 N. DUTTON AVE.  
 SANTA ROSA, CA 95401

SHEET TITLE  
**CODE ANALYSIS**

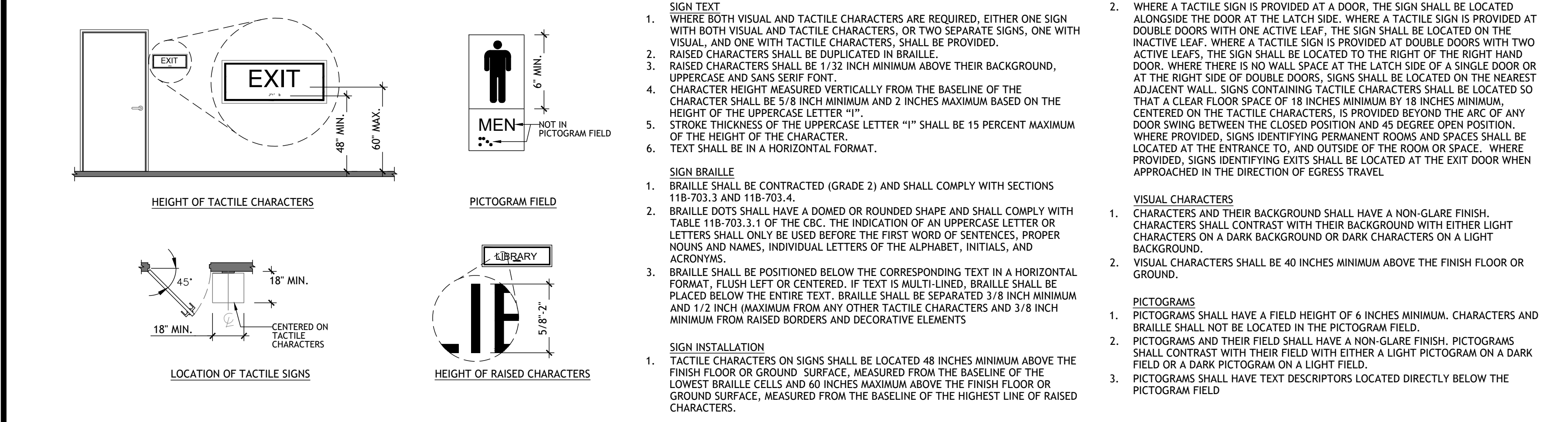
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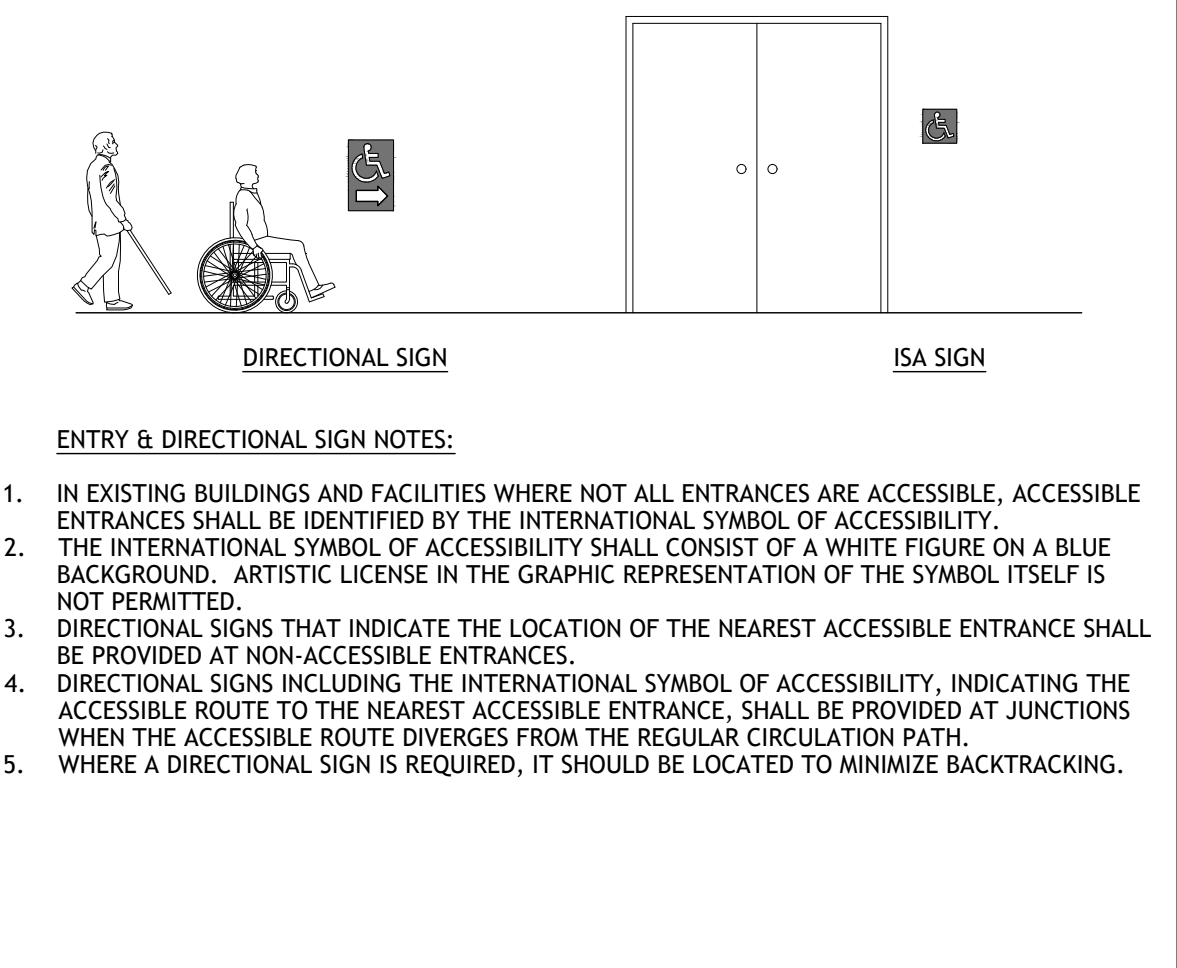


- DOOR NOTES:**
- REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.
  - AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL.
  - DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. IN ALTERATIONS, A PROJECTION OF 5/8 INCH MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP.
  - THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.
  - MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE AT AN INTERIOR DOORWAY, OR WITHIN 24 INCHES OF THE LATCH SIDE OF AN EXTERIOR DOORWAY, PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.
  - CHANGES IN LEVEL, SLOPES EXCEEDING 1:48, AND DETECTABLE WARNINGS SHALL NOT BE PERMITTED WITHIN REQUIRED MANEUVERING CLEARANCES.
  - THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH HIGH MAXIMUM.
  - THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.
  - HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM.
  - OPERABLE PARTS OF HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
  - DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MAXIMUM.
  - THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE 5 POUNDS MAXIMUM.
  - THE FORCE FOR PUSHING OR PULLING OPEN DOORS SHALL BE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.
  - SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE.
  - AUTOMATIC DOORS AND AUTOMATIC GATES SHALL COMPLY WITH SECTION 11B-404.3. FULL-POWERED AUTOMATIC DOORS SHALL COMPLY WITH ANSI/BHMA A156.10. LOW-ENERGY AND POWER-ASSISTED DOORS SHALL COMPLY WITH ANSI/BHMA A156.19.

**DOORS** N.T.S. 4 CA-118-404



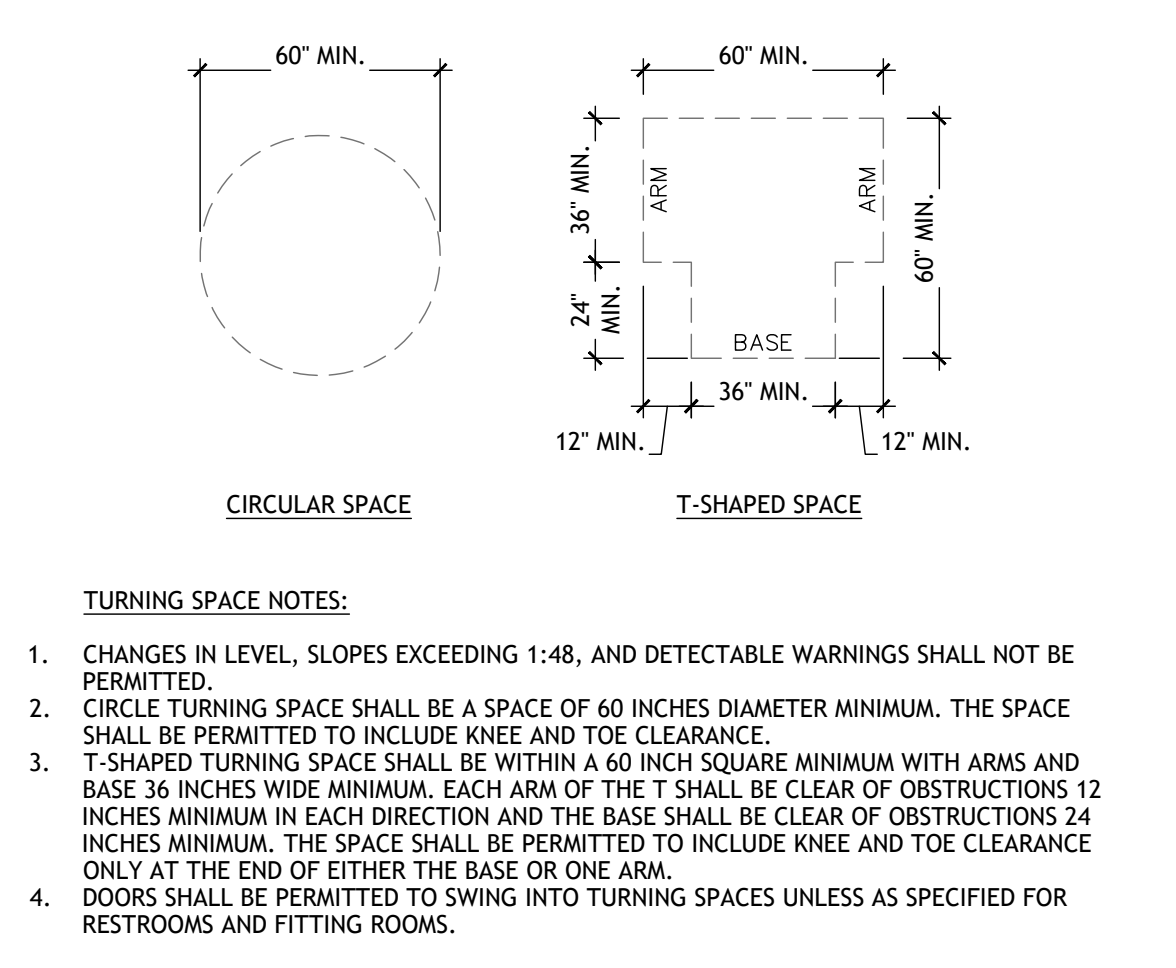
**TACTILE SIGNS** N.T.S. 6 CA-118-703



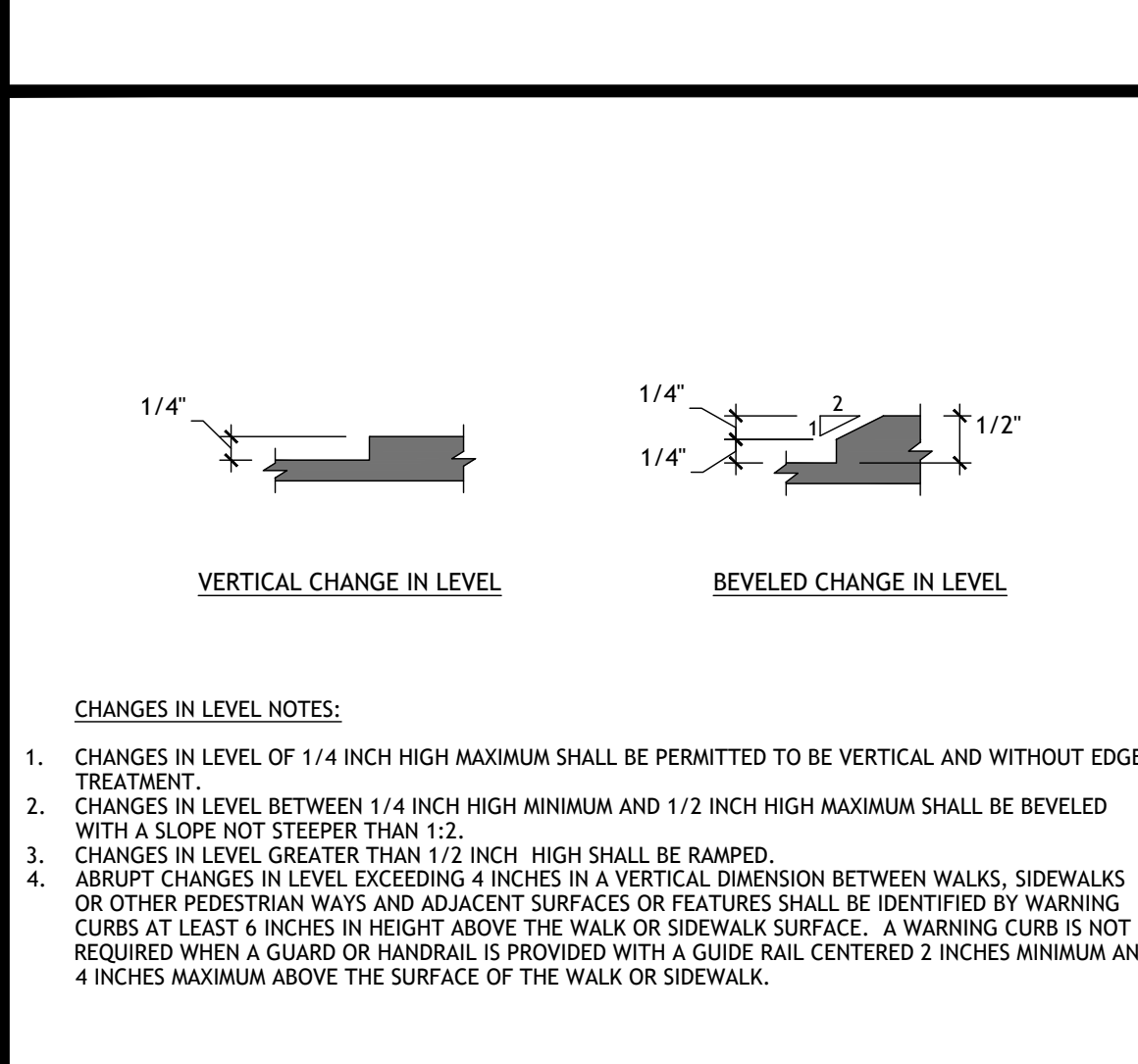
**ENTRY AND DIRECTIONAL SIGNS** N.T.S. 3 CA-118-216.6, 118-703.7.2.1



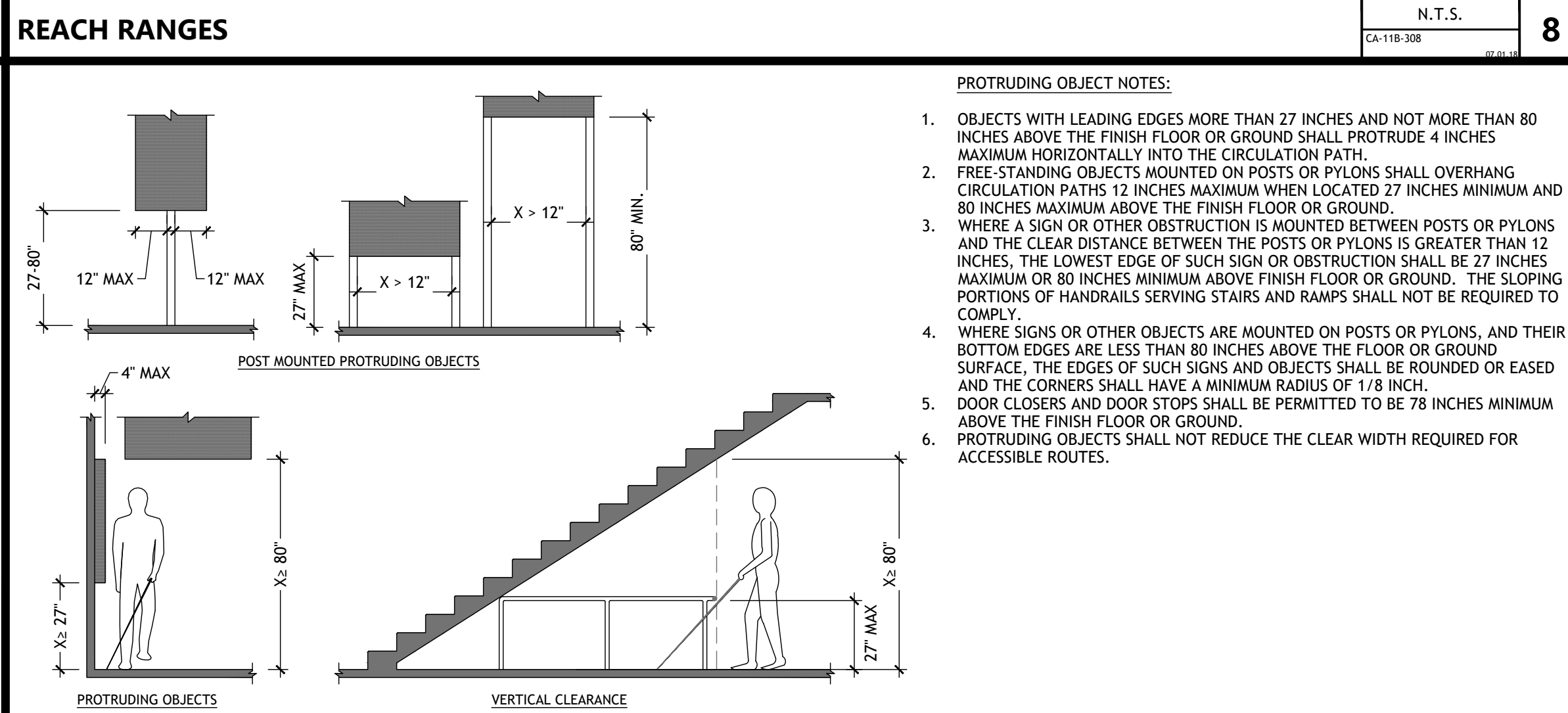
- ELECTRICAL REACHES:**
- CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL COMPLY WITH SECTION 11B-308 EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.
  - ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL COMPLY WITH SECTION 11B-308 EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.
- FORWARD REACH:**
- WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
  - WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES MAXIMUM, WHERE THE REACH DEPTH EXCEEDS 20 INCHES, THE HIGH FORWARD REACH SHALL BE 44 INCHES MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES MAXIMUM.
- SIDE REACH:**
- WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
  - AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10 INCHES MAXIMUM.
  - OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.
  - WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM FOR A REACH DEPTH OF 10 INCHES MAXIMUM, WHERE THE REACH DEPTH EXCEEDS 10 INCHES, THE HIGH SIDE REACH SHALL BE 46 INCHES MAXIMUM FOR A REACH DEPTH OF 24 INCHES MAXIMUM.



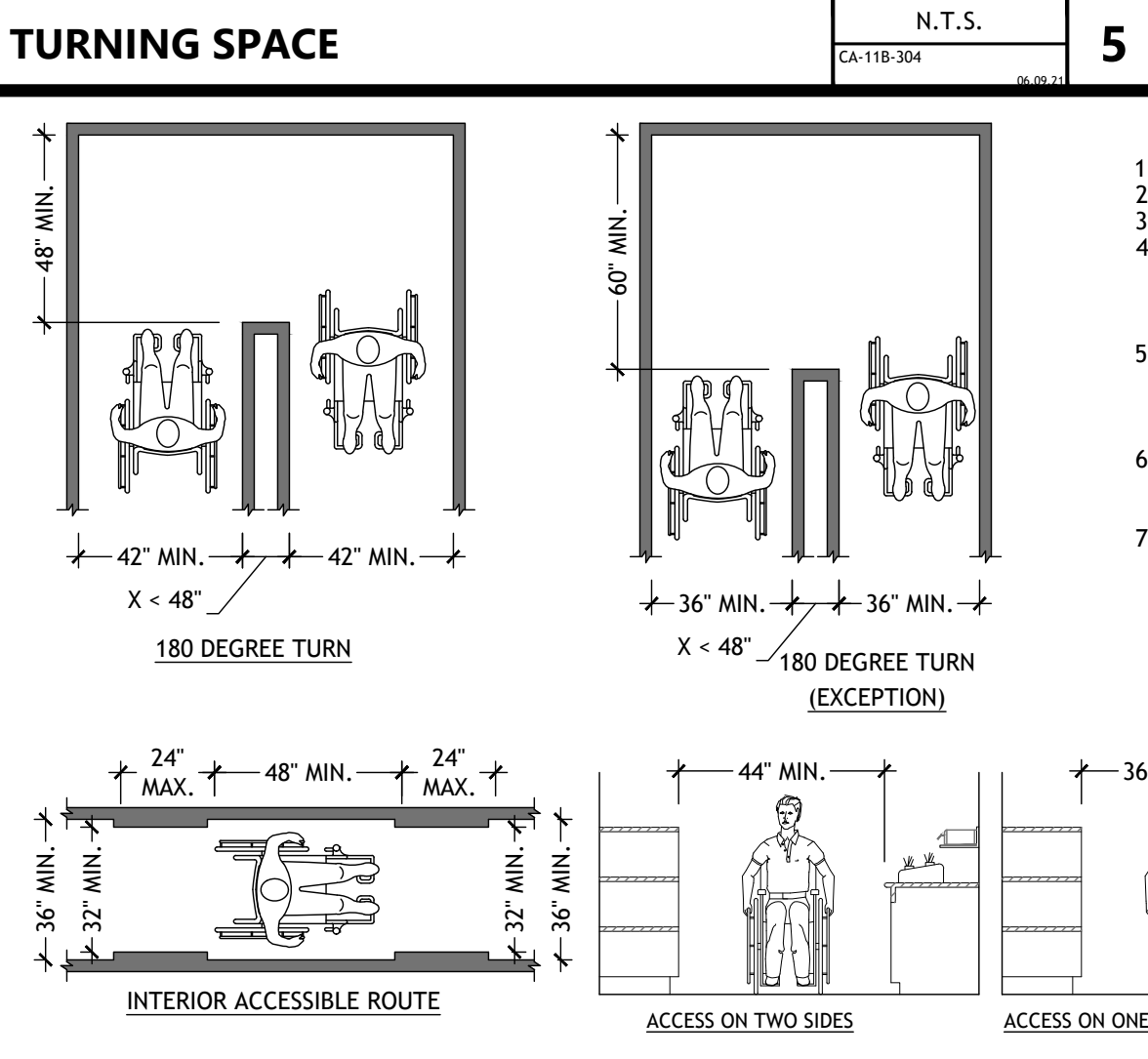
**TURNING SPACE** N.T.S. 5 CA-118-304



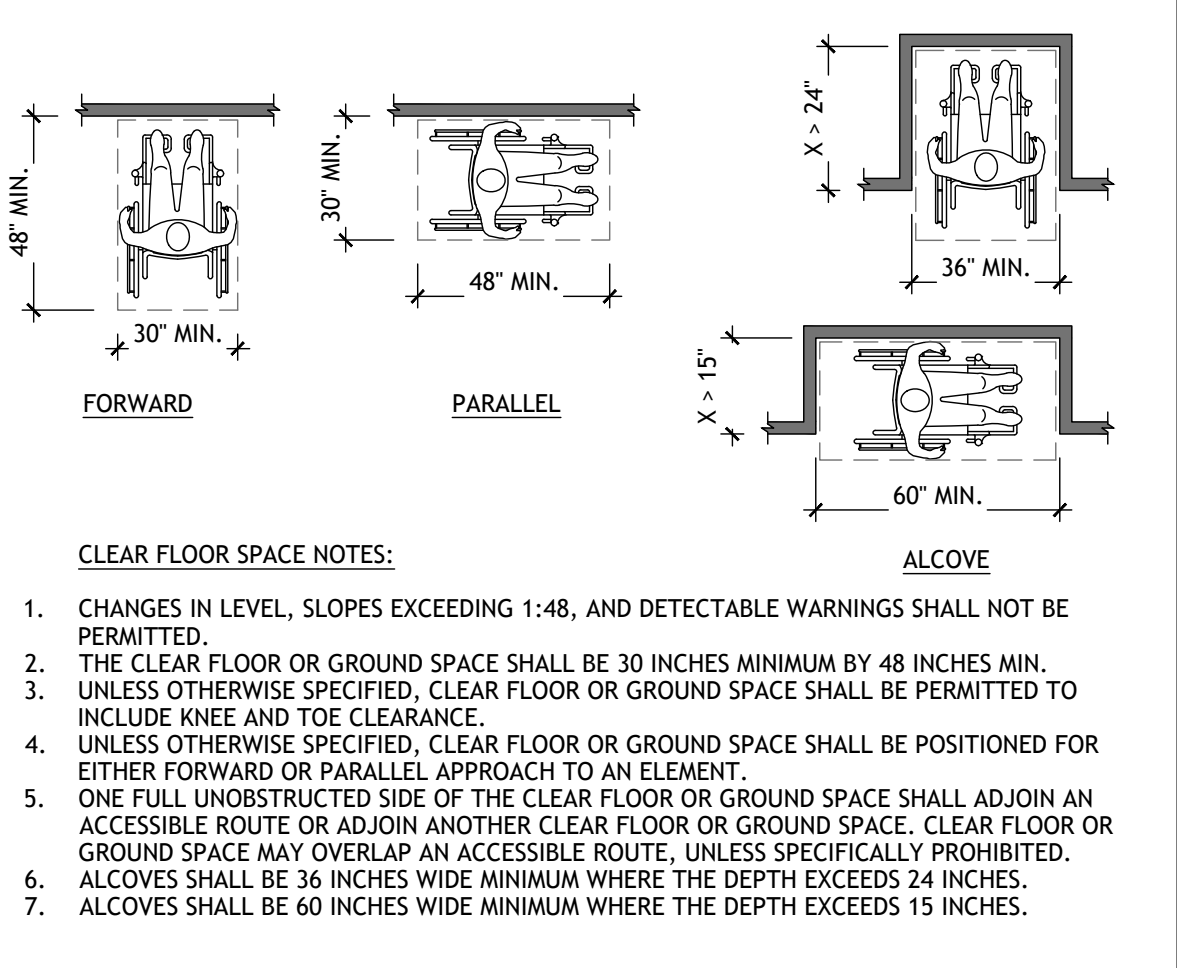
**CHANGES IN LEVEL** N.T.S. 9 CA-118-303



**PROTRUDING OBJECTS** N.T.S. 7 CA-118-307



**WALKING SURFACES** N.T.S. 1 CA-118-403



**CLEAR FLOOR SPACE** N.T.S. 2 CA-118-305

- WALKING SURFACES NOTES:**
- FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT.
  - THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20.
  - THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.
  - WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48 INCHES WIDE, CLEAR WIDTH SHALL BE 42 INCHES MINIMUM APPROACHING THE TURN, 48 INCHES MINIMUM AT THE TURN AND 42 INCHES MINIMUM LEAVING THE TURN. WHERE THE CLEAR WIDTH AT THE TURN IS 60 INCHES MINIMUM COMPLIANCE WITH SECTION 11B-403.5.2 SHALL NOT BE REQUIRED.
  - AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAXIMUM. PASSING SPACES SHALL BE EITHER: A SPACE 60 INCHES MINIMUM BY 60 INCHES MINIMUM; OR, AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE.
  - ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE RESTING AREAS, 60 INCHES IN LENGTH, AT INTERVALS OF 200 FEET MAXIMUM. THE RESTING AREA SHALL BE AT LEAST AS WIDE AS THE WALK. THE SLOPE OF THE RESTING AREA IN ALL DIRECTIONS SHALL BE 1:48 MAXIMUM.
  - WALKING SURFACE WIDTH:
    - EXTERIOR - THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MINIMUM, WHEN, BECAUSE OF RIGHT-OF-WAY RESTRICTIONS, NATURAL BARRIERS OR OTHER EXISTING CONDITIONS, THE ENFORCING AGENCY DETERMINES THAT COMPLIANCE WITH THE 48-INCH CLEAR SIDEWALK WIDTH WOULD CREATE AN UNREASONABLE HARDSHIP, THE CLEAR WIDTH MAY BE REDUCED TO 36 INCHES.
    - INTERIOR - THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES MINIMUM.
      - a. THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES MINIMUM FOR A LENGTH OF 24 INCHES MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES LONG MINIMUM AND 36 INCHES WIDE MINIMUM.
      - b. THE CLEAR WIDTH FOR WALKING SURFACES IN CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE 44 INCHES MINIMUM.
      - c. THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MINIMUM IF SERVING ELEMENTS ON ONLY ONE SIDE, AND 44 INCHES MINIMUM IF SERVING ELEMENTS ON BOTH SIDES.
      - d. THE CLEAR WIDTH FOR ACCESSIBLE ROUTES TO ACCESSIBLE TOILET COMPARTMENTS SHALL BE 44 INCHES EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS.

**DRAWING ISSUANCE**

ISSUED FOR PERMIT	
06/28/2022	

**TENANT IMPROVEMENT**  
 1425-1435 N. DUTTON AVE.  
 SANTA ROSA, CA 95401

REVISIONS	BY

**O'ROURKE**  
ELECTRIC Inc  
CALIFORNIA LICENSE 682968  
P.O. BOX 6161 - SANTA ROSA, CA 95406  
PHONE (707) 526-6539 FAX (707) 528-2506

**TENANT IMPROVEMENT**  
1425 - 1435 NORTH DUTTON AVENUE  
SANTA ROSA, CALIFORNIA  
APN: 036-263-001

**COVER SHEET**

Date: 06.27.2022  
Scale: NONE  
Drawn: JJ  
Job: 22.09  
Sheet: **E0.1**  
Of 5 Sheets

GENERAL NOTES	ABBREVIATIONS	INDEX TO DRAWINGS
<ol style="list-style-type: none"> <li>1. ALL PRODUCTS AND EXECUTION OF WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE PLANS.</li> <li>2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2019 CALIFORNIA ELECTRICAL CODE (AS AMENDED BY THE 2017 NATIONAL ELECTRICAL CODE), FIRE CODE, A.D.A. AND ALL LOCAL CODES AND ORDINANCES.</li> <li>3. ALL LABOR, NEW MATERIALS AND EQUIPMENT (U.O.N.) TOOLS AND SERVICES REQUIRED FOR THE COMPLETE ELECTRICAL INSTALLATION AS SHOWN AND SPECIFIED SHALL BE PROVIDED.</li> <li>4. IN THE EVENT OF A DISCREPANCY BETWEEN CONTRACT DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT SHALL GOVERN.</li> <li>5. THE INSTALLATION SHALL BE FREE FROM DEFECTS OF WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE.</li> <li>6. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS, FITTINGS, JUNCTION BOXES AND PULL BOXES REQUIRED TO MEET FIELD CONDITIONS.</li> <li>7. THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES AND THE SERVING UTILITY.</li> <li>8. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL BE SERIES RATED FOR NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECT TO.</li> <li>9. ALL DISCONNECTING MEANS FOR MOTORS SHALL BE WITHIN SITE OF THE MOTOR (NOT OVER 25 FT.) OR BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION.</li> <li>10. PENETRATIONS IN FIRE RATED WALLS OR THROUGH FLOORS, SHALL BE FIRE-STOPPED IN ACCORDANCE WITH THE LATEST C.B.C. AND FIRE CODES.</li> <li>11. A TYPEWRITTEN DIRECTORY CARD SHALL BE IN ALL PANELS, IDENTIFYING THE LOAD SERVED BY EACH CIRCUIT BREAKER.</li> <li>12. DIMENSIONS SHOWN ON OUTLET BOXES SHALL BE FROM THE FINISHED FLOOR TO THE CENTER OF THE BOX.</li> <li>13. OUTDOOR RECEPTACLES SHALL BE GFCI TYPE AND SUITABLE FOR WET LOCATION IN A NEMA 3R ENCLOSURE.</li> <li>14. ALL CONDUCTORS SHALL BE COPPER (U.N.O.). ALL WIRE SHALL BE RATED FOR 600 VOLTS, NUMBER 12 MINIMUM SIZE EXCEPT FOR CONTROLS AND FIXTURE WHIPS.</li> <li>15. ALL FEEDER CONDUCTORS AND BRANCH CIRCUIT WIRING SHALL BE TYPE THWN OR THHN COPPER.</li> <li>16. ALL WIRE SHALL BE IN CONDUIT. ELECTRICAL METALLIC TUBING (EMT), RIGID METAL CONDUIT, RIGID ALUMINUM, (IMC), FLEXIBLE METAL CONDUIT, LIQUIDTIGHT FLEXIBLE CONDUIT AND RIGID NONMETALLIC CONDUIT AS ALLOWED PER CHAPTER 3 OF THE N.E.C.</li> <li>17. METAL CLAD CABLE (TYPE MC) SHALL BE PERMITTED AS PER ARTICLE 330 N.E.C.</li> <li>18. WORKING SPACE SHALL BE PROVIDED IN FRONT OF ELECTRICAL EQUIPMENT PER N.E.C. 110-26.</li> </ol>	<p>A.F.F. ABOVE FINISHED FLOOR C CONDUIT (E) EXISTING EDF ELECTRIC DRINKING FOUNTAIN EMT EMPTY CONDUIT WITH PULL CORD GRD GROUND IG ISOLATED GROUND (N) NEW NL NIGHT LIGHT PNL PANEL BOARD U.O.N. UNLESS OTHERWISE NOTED VL VERIFY LOCATION</p>	<p>E0.1 COVER SHEET-GENERAL NOTES, ABBREVIATIONS, INDEX TO DRAWINGS, POWER LEGEND, LIGHTING LEGEND, &amp; SITE LIGHTING LEGEND E2.1 POWER PLAN E6.1 PANEL SCHEDULES, 1-LINE DIAGRAM</p>
<b>SCOPE OF WORK</b>		
ADD NEW GENERATOR AT EXISTING FRONT RESIDENCE		
POWER LEGEND	LIGHTING LEGEND	SITE LIGHTING LEGEND
<p>DUPLEX OUTLET 125V, +18" A.F.F. U.O.N. DUPLEX OUTLET-DEDICATED 125V, +18" U.O.N. DUPLEX OUTLET-WATERPROOF 125V, +18" U.O.N. DUPLEX OUTLET MOUNTED # " A.F.F. 125V DUPLEX OUTLET W/ GRD. FAULT INT. 125V, +18" U.O.N. DUPLEX OUTLET-HALF SWITCHED 125V, +18" U.O.N. FOURPLEX OUTLET 125V, +18" U.O.N. SINGLE RECEPTACLE-RATED AS INDICATED FUSED RECEPTACLE FLOOR RECEPTACLE 125V FLOOR TELEPHONE OUTLET TELEPHONE JACK TELEPHONE/DATA JACK DATA JACK J BOX SURFACE MOUNTED ELEC. PANEL FLUSH MOUNTED ELEC. PANEL DISCONNECT, SAFETY SWITCH CARD READER</p>	<p>TRANSFORMER HOME RUN TO PANEL CONDUIT &amp; WIRE RUN-CROSSMARKS DENOTES # OF CONDUCTORS-NO MARKS=#12 U.O.N. 20A 240V (SPLIT PHASE) 20A 230V (1-PH) 30A 208V (3-PH) 30A 480V (3-PH) 20A 120V POWER POLE BASE FEED 120V DENOTES ABOVE INSTALLATION EMERGENCY POWER OFF SWITCH MOTOR EV CHARGER SINGLE POLE SWITCH 3-WAY SWITCH 4-WAY SWITCH DIMMER SWITCH MOTION SWITCH LOW VOLTAGE SWITCH TIMER SWITCH KEYED SWITCH DUAL SWITCH DUAL MOTION SWITCH DUAL LOW VOLTAGE SWITCH CEILING MOUNTED OCCUPANCY SENSOR DAYLIGHT SENSOR ROOM LIGHTING CONTROLLER (POWER/RELAY PACK) SURFACE MOUNTED FIXTURE RECESSED FIXTURE DIRECTIONAL RECESSED FIXTURE EXHAUST FAN FAN/LIGHT WALL MOUNTED FIXTURE CEILING MOUNTED FAN SMOKE DETECTOR W/ BATTERY BACK UP UNDERCABINET LED FIXTURE SURFACE MOUNTED LED FIXTURE PHOTO SWITCH</p>	<p>WALL MOUNTED LED FIXTURE SURFACE MOUNTED LED STRIP FIXTURE H.I.D. DOWNLIGHT FIXTURE LED TRACK OR LOW VOLT LIGHT FIXTURE 2x2 LAY IN LED FIXTURE 2x4 LAY IN LED FIXTURE 2x2 SURFACE MOUNTED LED FIXTURE 2x4 SURFACE MOUNTED LED FIXTURE EMERGENCY LIGHTING FIXTURE WITH 90 MIN. BATTERY BACK UP LIGHTED EXIT SIGN WITH 90 MIN. BATTERY BACK UP EXIT/EMERGENCY COMBO FIXTURE WITH 90 MIN. BATTERY BACK UP WALL PACK POLE LAMP WALL LAMP BOLLARD LAMP UP LAMP POLE LIGHT WALL MOUNTED SPOT FIXTURE</p>

Dore O'Rourke



# PANEL SCHEDULES

**NEW PANEL H3** 100 AMP FRAME MAIN LUG ONLY  
277480V, 3 PHASE, 4 WIRE BRANCH CIRCS BOLT-ON, SIZE AS INDICATED  
42 CIRCUIT, SURFACE MTD, NEMA 1 INTERRUPTING RATING: 14kAIC

CIRCUIT NO.	SERVICES	LOADS				SERVICES	CIRCUIT NO.	SERVICES
		CONTINUOUS	LARGEST MOTOR LOAD (LML)	KITCHEN LOAD (KL)	CONNECTED LOAD			
1 1 20 3	#12 PRESS	3,324	5,263	1,909	PS	#12 20 3	2 2	
3 3 20 3	#12 PRESS	3,324	5,263	1,909	PS	#12 20 3	4 4	
5 5 20 3	#12 PRESS	3,324	5,263	1,909	PS	#12 20 3	6 6	
7 7 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	8 8	
9 9 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	10 10	
11 11 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	12 12	
13 13 20 3	#12 R21	1,662	1,662	0	SPACE	#12 20 1	14 14	
15 15 20 3	#12 R21	1,662	1,662	0	SPACE	#12 20 1	16 16	
17 17 20 3	#12 R21	1,662	1,662	0	SPACE	#12 20 1	18 18	
19 19 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	20 20	
21 21 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	22 22	
23 23 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	24 24	
25 25 20 3	#12 RUBBER MILL	3,600	3,600	0	SPACE	#12 20 1	26 26	
27 27 20 3	#12 RUBBER MILL	3,600	3,600	0	SPACE	#12 20 1	28 28	
29 29 20 3	#12 RUBBER MILL	3,600	3,600	0	SPACE	#12 20 1	30 30	
31 31 20 3	#12 POWER PIN	3,878	3,878	0	SPACE	#12 20 1	32 32	
33 33 20 3	#12 POWER PIN	3,878	3,878	0	SPACE	#12 20 1	34 34	
35 35 20 3	#12 POWER PIN	3,878	3,878	0	SPACE	#12 20 1	36 36	
37 37 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	38 38	
39 39 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	40 40	
41 41 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	42 42	

**TOTAL CONNECTED LOAD**  
BUS B 14,400 VA CONTINUOUS LOAD (CL) 0 VA LARGEST MOTOR LOAD (LML) 0 VA KITCHEN LOAD (KL) 0 VA CONNECTED LOAD 14,400 VA TOTAL N.E.C. COMPUTED LOAD 14,400 VA  
TOTAL 43,200 VA ( 0 VA x 0.25) + ( 0 VA x 0.25) + ( 0 VA x 0.35) + 43,200 VA = 43,200 VA  
CALCULATED LOADS PER CHAPTER 2 OF N.E.C. AMPERES @ 277480V, 3 PHASE = 52 AMPS (AVERAGE) AMPERES @ 277480V, 3 PHASE = 52 AMPS (HIGH PHASE)

**NEW PANEL H4** 100 AMP FRAME MAIN LUG ONLY  
277480V, 3 PHASE, 4 WIRE BRANCH CIRCS BOLT-ON, SIZE AS INDICATED  
42 CIRCUIT, SURFACE MTD, NEMA 1 INTERRUPTING RATING: 14kAIC

CIRCUIT NO.	SERVICES	LOADS				SERVICES	CIRCUIT NO.	SERVICES
		CONTINUOUS	LARGEST MOTOR LOAD (LML)	KITCHEN LOAD (KL)	CONNECTED LOAD			
1 1 20 3	#12 FUTURE LOADS	0	0	0	SPACE	#12 20 1	2 2	
3 3 20 3	#12 FUTURE LOADS	0	0	0	SPACE	#12 20 1	4 4	
5 5 20 3	#12 FUTURE LOADS	0	0	0	SPACE	#12 20 1	6 6	
7 7 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	8 8	
9 9 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	10 10	
11 11 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	12 12	
13 13 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	14 14	
15 15 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	16 16	
17 17 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	18 18	
19 19 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	20 20	
21 21 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	22 22	
23 23 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	24 24	
25 25 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	26 26	
27 27 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	28 28	
29 29 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	30 30	
31 31 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	32 32	
33 33 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	34 34	
35 35 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	36 36	
37 37 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	38 38	
39 39 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	40 40	
41 41 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	42 42	

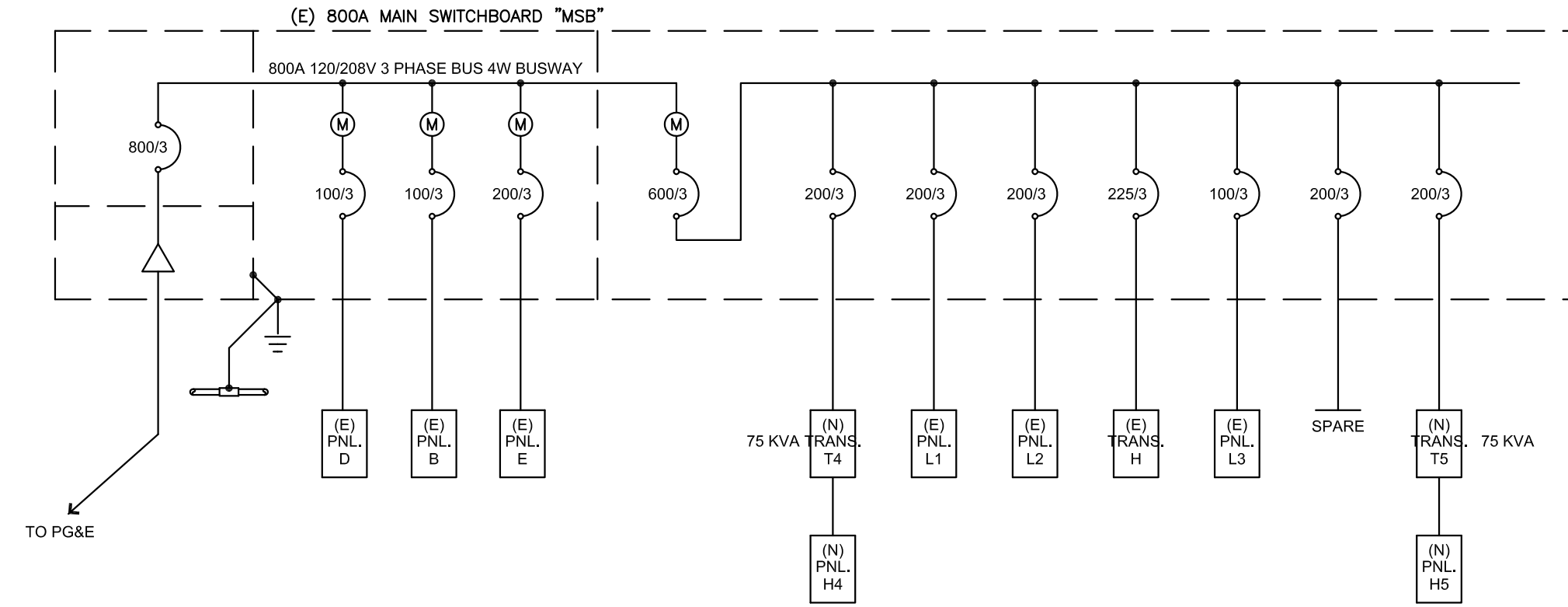
**TOTAL CONNECTED LOAD**  
BUS B 0 VA CONTINUOUS LOAD (CL) 0 VA LARGEST MOTOR LOAD (LML) 0 VA KITCHEN LOAD (KL) 0 VA CONNECTED LOAD 0 VA TOTAL N.E.C. COMPUTED LOAD 0 VA  
TOTAL 0 VA ( 0 VA x 0.25) + ( 0 VA x 0.25) + ( 0 VA x 0.35) + 0 VA = 0 VA  
CALCULATED LOADS PER CHAPTER 2 OF N.E.C. AMPERES @ 277480V, 3 PHASE = 0 AMPS (AVERAGE) AMPERES @ 277480V, 3 PHASE = 0 AMPS (HIGH PHASE)

**EXISTING PANEL B** 100 AMP FRAME MAIN LUG ONLY  
120208V, 3 PHASE, 4 WIRE BRANCH CIRCS BOLT-ON, SIZE AS INDICATED  
42 CIRCUIT, SURFACE MTD, NEMA 1 INTERRUPTING RATING: SEE NOTES

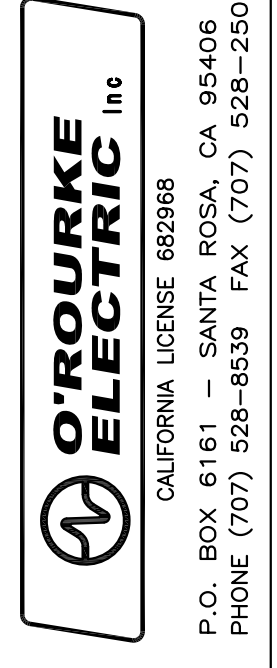
CIRCUIT NO.	SERVICES	LOADS				SERVICES	CIRCUIT NO.	SERVICES
		CONTINUOUS	LARGEST MOTOR LOAD (LML)	KITCHEN LOAD (KL)	CONNECTED LOAD			
1 1 20 1	#12 LIGHTING	1,500	3,360	1,440	RESTROOM	#12 20 1	2 2	
3 3 20 1	#12 LIGHTING	830	2,070	1,440	RESTROOM	#12 20 1	4 4	
5 5 20 1	#12 LIGHTING	820	820	0	SPACE	#12 20 1	6 6	
7 7 20 1	#12 OFFICE RECEPTACLES	360	360	0	SPACE	#12 20 1	8 8	
9 9 20 1	#12 OFFICE RECEPTACLES	420	420	0	SPACE	#12 20 1	10 10	
11 11 20 1	#12 OFFICE RECEPTACLES	1,180	1,180	0	SPACE	#12 20 1	12 12	
13 13 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	14 14	
15 15 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	16 16	
17 17 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	18 18	
19 19 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	20 20	
21 21 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	22 22	
23 23 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	24 24	
25 25 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	26 26	
27 27 20 1	#12 SPACE	0	0	0	SPACE	#12 20 1	28 28	
29 29 20 1	#12 SHOP RECEPTACLE	720	720	0	SPACE	#12 20 1	30 30	
31 31 20 3	#12 SAND BLASTER	1,140	1,140	0	SPACE	#12 20 1	32 32	
33 33 20 3	#12 SAND BLASTER	1,140	1,140	0	SPACE	#12 20 1	34 34	
35 35 20 3	#12 SAND BLASTER	1,140	1,140	0	SPACE	#12 20 1	36 36	
37 37 20 3	#12 SAND BLASTER	1,140	3,660	2,520	RT 13	#12 20 3	38 38	
39 39 20 3	#12 SAND BLASTER	1,140	3,660	2,520	RT 13	#12 20 3	40 40	
41 41 20 3	#12 SAND BLASTER	1,140	3,660	2,520	RT 13	#12 20 3	42 42	

**TOTAL CONNECTED LOAD**  
BUS A 8,520 VA CONTINUOUS LOAD (CL) 2,150 VA LARGEST MOTOR LOAD (LML) 3,660 VA KITCHEN LOAD (KL) 0 VA CONNECTED LOAD 23,330 VA TOTAL N.E.C. COMPUTED LOAD 23,330 VA  
BUS B 7,290 VA CONTINUOUS LOAD (CL) 0 VA LARGEST MOTOR LOAD (LML) 0 VA KITCHEN LOAD (KL) 0 VA CONNECTED LOAD 7,290 VA  
TOTAL 23,330 VA ( 2,150 VA x 0.25) + ( 0 VA x 0.25) + ( 0 VA x 0.35) + 23,330 VA = 23,868 VA  
CALCULATED LOADS PER CHAPTER 2 OF N.E.C. AMPERES @ 120208V, 3 PHASE = 60 AMPS (AVERAGE) AMPERES @ 120208V, 3 PHASE = 72 AMPS (HIGH PHASE)

# 1 LINE DIAGRAM



*David O. Roeder*



**TENANT IMPROVEMENT**  
1425 - 1435 NORTH DUTTON AVENUE  
SANTA ROSA, CALIFORNIA  
APN: 036-263-001

**PANEL SCHEDULES / LIGHTING**  
**SCHEDULE / 1 LINE DIAGRAM**

Date: 06.27.2022  
Scale: NONE  
Drawn: JJ  
Job: 22.09  
Sheet: E6.1  
Of 5 Sheets