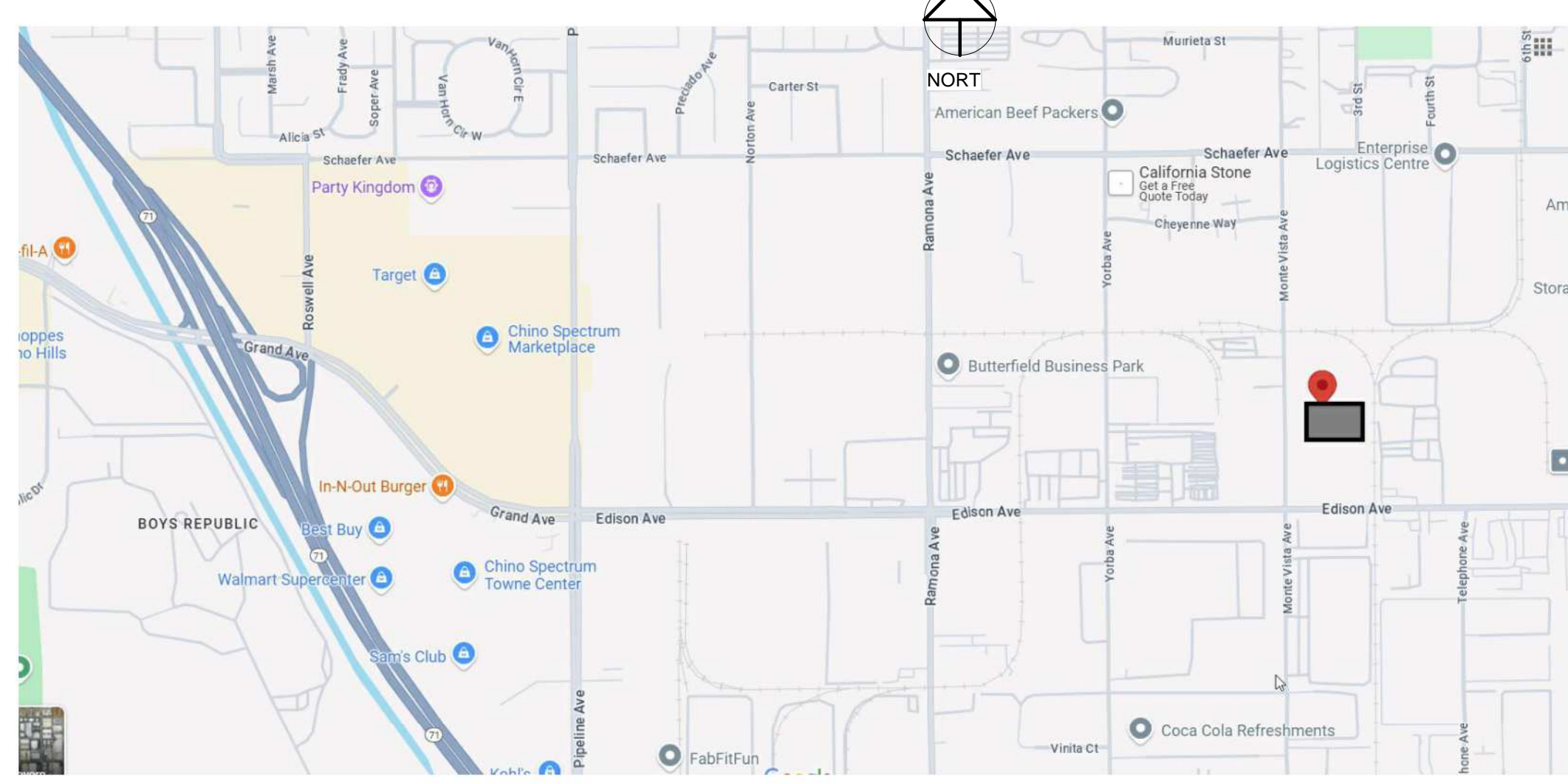


VICINITY MAP



13975 Monte Vista Avenue, Chino, CA

**TENANT:**  
**EDM RECYCLING**  
 Payven Ma  
 Payven@EDMrecycling.com  
 909.315.6698 Ext 110

**DESIGN TEAM:**  
**DESIGN FIRM**  
**EVERETT SMITH DESIGNS**  
**EVERETT SMITH**  
 951.323.2187  
 EVERETT@EVERETTSMITHDESIGNS.COM

**REVIEWED BY:**  
**RAHAMAN ENGINEERING**  
**MOKSUD RAHMAN**  
 213-400-8078



30141 ANTELOPE RD. D774  
 MENIFEE, CA 92584  
 Email: everett@everettsmithdesigns.com

**PROJECT DATA:**

County: SAN BERNARDINO, CA  
 Assessor: CHRIS WILHITE, ASSESSOR  
 Parcel # (APN): 1021-011-22-0000  
 Status: ACTIVE  
 Owner Name: WL INTERNATIONAL LLC  
 Tenant: EDM RECYCLING INC.  
 Occupancy Group: S1, B  
 Zone: M-2  
 Legal Description: PARCEL MAP 15441 PARCEL 1 BOOK 190 PAGE 3

**BUILDING INFO:**

Lot Size: 218,671 S.F. (5.020 ACRES)  
 Parking Spaces: 201  
 Year Built: 2000  
 Type: III-B  
 Sprinklered: Yes

**PARKING (SEE BELOW)**

Office Area: 1,370 SF  
 Manufacturing: 7,750 SF  
 Warehouse: 90,894 SF  
 Building Area (SF): 100,014 SF  
 Ceiling Height: 35'-0" to 38'-0"

**PARKING:**

RECYCLING RECYCLING FACILITIES, SMALL: 1 SPACE PER EMPLOYEE ON THE LARGEST SHIFT  
 OFFICE SPACE: 1 SPACE PER 250 SQUARE FEET.  
 MANUFACTURING: 1 SPACE PER 600 SQUARE FEET.  
 WAREHOUSING: 1 SPACE FOR EACH 1,000 SQUARE FEET FIRST 20,000 SF  
 1 SPACE FOR EACH 2,000 SQUARE FEET SECOND 20,000 SF  
 1 SPACE FOR EACH 4,000 SQUARE FEET INITIAL 40,000 SF

PARKING: **62 REQUIRED / 67+ PROVIDED** PARKING: **OK**

**SCOPE:**

AQUIRE A LICENSE / CONDITIONAL USE PERMIT FOR (E) RECYCLING PLANT. THIS WILL NOT BE A COMMERCIAL RECYCLING PLAN. NEW FENCE AT REAR OF PROPERTY, ENDING WITH ADJACENT PROPERTIES.

(4) PIECES OF EQUIPMENT WILL BE INCLUDED IN THE APPROVAL.

Short Conveyor #1	Make	Model #	Serial #	Power	Voltage
Baler #1	New London Engineering	220-24-230	10-94777	45 KW	480 V
Baler #2	Guangzhou Panyu Qiangye Machinery Co., LTD	VB-150		37 KW	480 V
Long Conveyor #2	Guangzhou Panyu Qiangye Machinery Co., LTD	BYB-160	6	2.2 KW	480 V

THE OFFICE IS EXISTING, THE WAREHOUSE IS EXISTING. THE PROPOSED USE IS FOR A PRIVATE COMPANY THAT WORKS BUSINESS. THE WORK FLOW IS TO ATTEMPT TO REPAIR ELECTRONICS PROVIDED FROM CLIENTS (OTHER BUSINESSES). IF THE ELECTRONICS CANNOT BE REPAIRED, THE ELECTRONICS ARE BROKEN DOWN INTO COMMODITIES AND SOLD. THE EXCESS PIECES ARE RECYCLED AND BUNDLED. THIS BUSINESS IS NOT OPEN FOR COMMERCIAL USE.

**COMPANY OVERVIEW**

EDM RECYCLING IS A GLOBAL LEADER IN ELECTRONICS ASSET MANAGEMENT WITH HEADQUARTERS IN LOS ANGELES, CALIFORNIA. WE HELP BUSINESSES SECURELY RETIRE AND RECYCLE THEIR TECHNOLOGY. OUR EXPERTS SPECIALIZE IN IT ASSET DISPOSITION SERVICES, INCLUDING DATA DESTRUCTION, ASSET VALUE RECOVERY, AND DATA CENTER DECOMMISSIONING, WITH SOCIAL RESPONSIBILITY AT THE CORE OF EDM'S MISSION. WE ARE HELPING CREATE A MORE SUSTAINABLE WORLD BY PROPERLY REPURPOSING AND RECYCLING ELECTRONICS.

# OF EMPLOYEES: 40

MONDAY	9 AM-6 PM
TUESDAY	9 AM-6 PM
WEDNESDAY	9 AM-6 PM
THURSDAY	9 AM-6 PM
FRIDAY	9 AM-6 PM
SATURDAY	9 AM-6 PM
SUNDAY	CLOSED



SHEET INDEX

A0	COVER SHEET
A1	EXISTING SITE PLAN
A1.1	PROPOSED SITE PLAN
A1.2	PEDESTRIAN ACCESS
A1.3	SITE UTILIZATION
A2	PROPOSED FLOOR PLAN
A3	PROPOSED ENLARGED PLAN
A4	EQUIPMENT ELEVATIONS
A4.1	EQUIPMENT PICTURES
A4.2	EQUIPMENT SPECS
A5	EXISTING RESTROOM DETAILS

PLANS REVIEWED BY:  
**RAHMAN ENGINEERING**  
 13611 12TH ST, SUITE-B,  
 CHINO, CA 91710  
 Tel: (213)-400-8078  
 MOKSUD.RAHMAN@GMAIL.COM

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 CIVIL  
 C69263  
 Exp. 09/2022

PREPARED BY:

PROJECT:

CONDITIONAL USE PERMIT - EDM RECYCLING

REVISIONS:

No.	Description	Date
2	PLANNING INTAKE COMMENTS 2	2026.03.17

PROJECT ADDRESS:  
 13975 Monte Vista Avenue,  
 Chino, CA

CLIENT NAME:  
**EMD RECYCLING CUP**

Project number: 24-2326  
 Date: 3/17/2026 1:34:06 PM

Drawn by: RM  
 Checked by: ES

Scale: **A0**

**GENERAL NOTES**

- THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL OF THE FOLLOWING CONDITIONS:
- THE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE AND REQUIREMENTS OF THE GOVERNING AGENCY WITH JURISDICTION.
  - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE BEFORE COMMENCING WORK AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES TO THE DESIGN TEAM.
  - OMISSION OR CONFLICTS BETWEEN THE DRAWINGS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
  - NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
  - TYPICAL DETAILS SHOWN APPLY WHERE NO SPECIAL DETAIL IS SHOWN.
  - WRITTEN DIMENSIONS (NOT SCALED DIMENSIONS) SHALL BE USED. DO NOT SCALE DRAWINGS.
  - TEMPORARY ERECTION BRACING AND SHORING SHALL BE PROVIDED AS REQUIRED ON ALL BEAMS, WALLS, ETC. ADEQUATE TO PROVIDE FULL STRUCTURAL STABILITY AND SAFETY. BRACING SHALL NOT BE REMOVED UNTIL THE ELEMENTS ARE FULLY CONNECTED AND ARE CAPABLE OF SUPPORTING THE DESIGN LOADING.
  - CONTRACTOR AGREES THAT HE OR SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE OWNER AND DESIGN TEAM HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK IN THIS PROJECT.
  - CONTRACTOR SHALL USE EXTREME CARE AND CAUTION DURING CONSTRUCTION SO AS NOT TO DAMAGE ANY EXISTING FACILITIES, PAVING, EQUIPMENT, LANDSCAPE, ETC. ANY DAMAGE DONE BY THE CONTRACTOR TO EXISTING FACILITIES SHALL BE REPAIRED TO THE SATISFACTION OF AND AT NO EXPENSE TO THE OWNER.
  - ALL DIMENSIONS ARE FACE OF STUD TO FACE OF STUD (F.O.S.) UNLESS OTHERWISE NOTED.
  - PROVIDE SOLID BLOCKING AS REQUIRED FOR ALL WALL MOUNTED AND WALL HUNG EQUIPMENT.
  - ALL WALL PARTITIONS SHALL EXTEND TO THE STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
  - CONTRACTOR SHALL COMPLETELY REMOVE ALL DEMOLISHED MATERIALS FROM THE SITE. ALL DEMOLISHED MATERIALS WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS THEY ARE TO BE REUSED, RELOCATED, STORED ON SITE OR AS OTHERWISE NOTED.
  - PROPERLY PREPARE AND READY ALL SURFACES TO RECEIVE FINISH MATERIALS.
  - CONTRACTOR SHALL SUPPLY ONE (1) SET OF AS-BUILT'S CONSTRUCTION DOCUMENTS TO THE OWNER, WHICH SHALL INCLUDE PLANS AND SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOTE THAT THERE SHALL BE NO SUBSTITUTIONS FOR ANY MATERIAL, WHERE SPECIFIC MANUFACTURERS ARE SPECIFIED. WHERE APPROVED EQUAL IS USED IT SHALL BE UNDERSTOOD THAT THE SUBSTITUTE SHALL BE BY JUDGEMENT AND APPROVAL OF THE ENGINEER, AND NOTIFICATION SHALL BE MADE PRIOR TO ORDERING AND/OR INSTALLATION.
  - MANUFACTURERS OF MATERIALS OTHER THAN THOSE SPECIFIED ON THESE PLANS SHALL MEET THE SPECIFIC REQUIREMENTS OF GOVERNING AGENCIES HAVING JURISDICTION OVER THIS PROJECT.
  - GENERAL CONTRACTOR OR HIS OR HER SUBCONTRACTORS SHALL BE RESPONSIBLE FOR VERIFICATION AND APPROVALS OF SUBSTITUTED MATERIALS AS REQUESTED BY GOVERNING AGENCIES.
  - IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DISTRIBUTE ADEQUATE COPIES OF ALL DRAWINGS TO ALL TRADES FALLING UNDER THEIR RESPONSIBILITY AT ALL TIMES DURING THE PROGRESS OF THE JOB. (I.E. REVISIONS).
  - UPON COMPLETION OF THE JOB, THE GENERAL CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION OF SATISFACTORY COMPLETION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK AND MATERIALS IN CONFORMANCE WITH ANY CODE OR CODES OF FEDERAL, STATE, COUNTY OR MUNICIPALITY HAVING JURISDICTION OVER SUCH WORK. ALL APPLICABLE REQUIREMENTS IN THESE REGULATIONS SHALL BE FOLLOWED TO SAME AS IF NOTED ON THE DRAWINGS. CONFLICTS BETWEEN WORK SHOWN ON THE DRAWINGS AND BUILDING CODES, LAWS OR REGULATIONS NOTED BY THE GENERAL CONTRACTOR SHALL BE SUBMITTED TO THE DESIGN TEAM FOR RESOLUTION, PRIOR TO PROCEEDING WITH THE WORK.
  - THE CONTRACTOR SHALL AT ALL TIMES KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY HIS OR HER OPERATION. AT THE COMPLETION OF THE WORK, HE OR SHE SHALL CLEAN ALL GLASS SURFACES AND LEAVE THE WORK BROOM CLEAN.
  - THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND OTHER ITEMS NECESSARY FOR THE COMPLETION OF ALL WORK SHOWN, CALLED FOR, OR REASONABLY IMPLIED BY THE CONTRACT DOCUMENTS EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
  - WHERE WORK OR EQUIPMENT IS INDICATED N.I.C., SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. THE CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION.
  - ALL REQUESTS FOR CLARIFICATION OF THESE DRAWINGS SHALL BE DIRECTED TO THE DESIGN TEAM.
  - ALL DRAWINGS AND NOTES ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ANY ONE WILL BE AS BINDING AS IF CALLED FOR BY ALL.
  - NOT USED
  - THE CONTRACTOR SHALL PROVIDE AN APPROVED FIRE STOP MATERIAL TO MAINTAIN THE 1 HOUR RATING AT ALL ELECTRICAL AND MECHANICAL PIPING PENETRATIONS THROUGH TENANT PARTY WALLS, CEILING, FLOOR OR ANY OTHER LOCATIONS AS REQUIRED BY LOCAL CODES.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACTUAL FLOOR TRUSS LAYOUTS AND QUANTITY IN ORDER TO ALLOW WASTE AND SUPPLY PIPING AND DUCTS TO SERVE UNITS AS SHOWN.
  - EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
  - PLANS SHALL BE SIGNED BY SOILS ENGINEER WHEN REPORTS ARE REQUIRED.
  - NOTWITHSTANDING ANY PROVISIONS IN THESE SPECIAL CONDITIONS, GENERAL CONDITIONS OR ANY OTHER MATTERS SPECIFIED IN THE PLANS AND THE SPECIFICATIONS, THE CONTRACTOR IS HEREBY NOTIFIED THAT REPORTS OF GEOTECHNICAL INVESTIGATIONS ARE NOT INCLUDED WITHIN THE SPECIFICATIONS. THE DESIGN TEAM/OWNER MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF THE DATA, THE SOIL AND ROCK MATERIAL ENCOUNTERED, OR THE DIFFICULTY OF EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF TO THE SITE, VERIFYING THE DATA AND SATISFYING HIMSELF AS TO THE TYPE, NATURE AND QUANTITIES OF ALL MATERIALS TO BE EXCAVATED. ALL TRENCHING AND EXCAVATING OF MATERIALS ENCOUNTERED, EQUIPMENT OR METHODS REQUIRED FOR EXCAVATION WILL BE UNCLASSIFIED AND THE COST THEREOF SHALL BE CONSIDERED AS BEING INCLUDED IN LUMP SUM BID. NO EXTRA PAYMENT OR CHANGE ORDERS WILL BE ALLOWED FOR EXCAVATION.
  - THE MEANS OF EGRESS SERVING ANY OCCUPIED PORTION OF THE BUILDING SHALL BE ILLUMINATED TO AN INTENSITY OF NOT LESS THAN ONE (1) FOOT CANDLE AT THE FLOOR LEVEL. IN THE EVENT OF POWER SUPPLY TO THE ILLUMINATION POWER SUPPLY, AUTOMATIC ILLUMINATION SHALL BE PROVIDED BY A BATTERY BACK-UP SYSTEM.
  - THE PATH OF EXIT TRAVEL TO AN WITHIN EXITS IN A BUILDING SHALL BE IDENTIFIED BY EXIT SIGNS CONFORMING TO CBC 2022 CODE

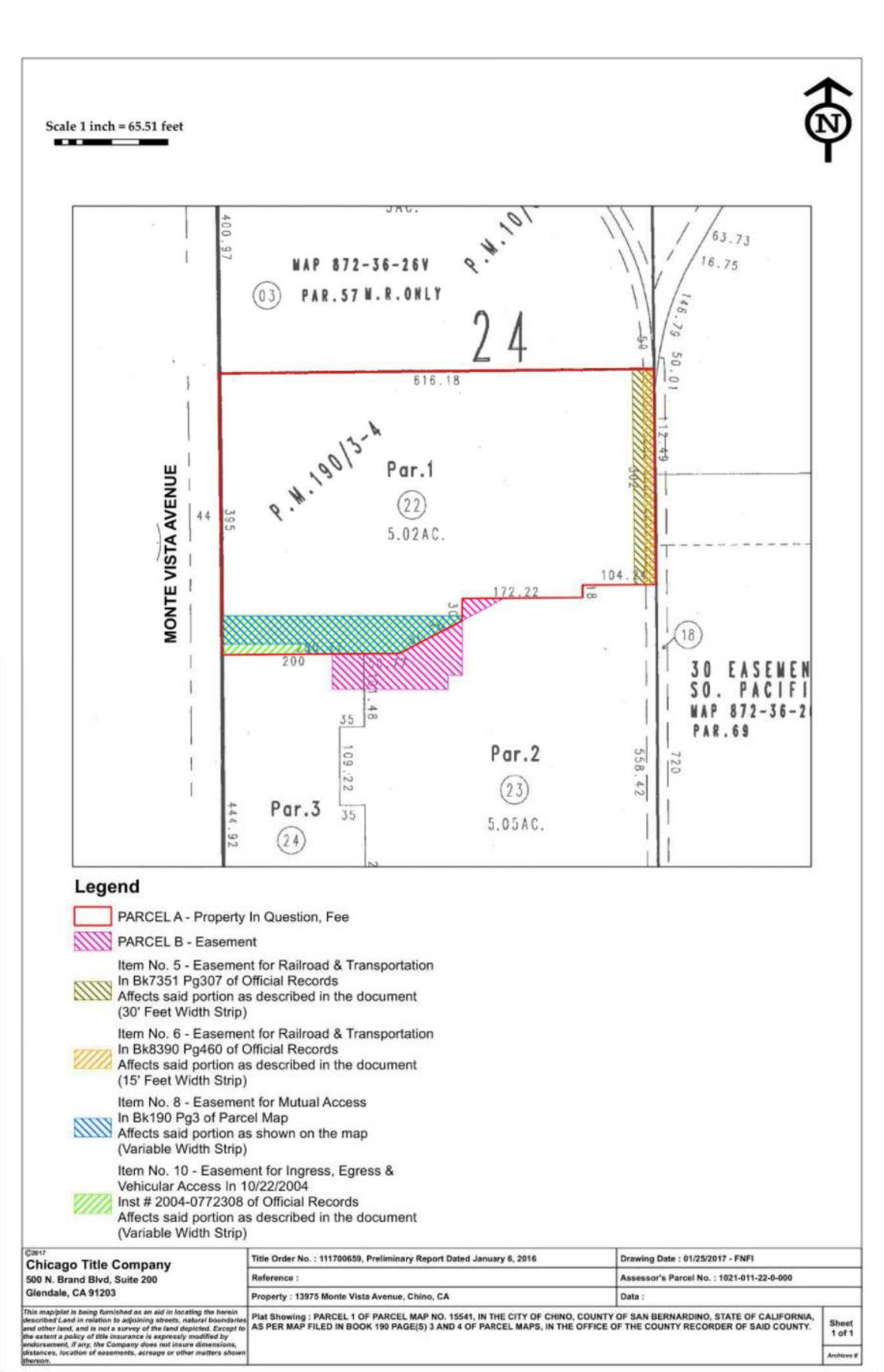
**ABBREVIATIONS**

(NEW FILL) EARTH		GRAVEL FILL	
CONCRETE/POUR IN PLACE		REGULAR BLOCK	
STONES/MARBLE		STONE	
BRICK		LIGHT WEIGHT BLOCK	
METAL/STEEL		STEEL STUD	
WOOD/CONTINUOUS OR DIMENSION		NON-FINISH OR CONTINUOUS	
GYPSUM		RIGID INSULATION	
CERAMIC TILE		FINISHED WOOD	
INSULATION/BATT OR LOOSE			

**SYMBOLS**

SECTION REFERENCE		SECTION NUMBER	
DETAIL REFERENCE		DETAIL NUMBER	
DOOR NUMBER		WINDOW NUMBER	
REVISION		REVISE DLOUD AROUND AREA	
ROOM NUMBER		ROOM NUMBER	
INTERIOR FINISH MATC H LINE		INTERIOR ELEVATION SHEET NO.	
NORTH POINT		NO. MATCH LINE NUMBER	
EXISTING CONTOURS		MATCHING SHEET NUMBER	
FINISH ELEVATION			
EXHAUST FAN			

**ZONE INFORMATION**



**OCCUPANT LOAD "B" | "M" | "S1"**

USE	OCCUP. S.F.	OCCUP. FACTOR	# OF OCCUP.
<b>B: OFFICE AREA</b>			
OFFICES	1,370 SF	1/150	9.13
<b>M: MANUFACTURING</b>			
PRODUCTION	7,750 SF	1/200	38.75
<b>S1: MANUFACTURING</b>			
PRODUCTION	90,894 SF	1/500	181.78
<b>OCCUPANT LOAD</b>	<b>100,014 SF</b>		<b>230</b>

**EXIT/OCCUPANT ANALYSIS:**  
 1006.3.2 EGRESS BASED ON OCCUPANT LOAD

OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY
1-500	2
501-1,000	3
More than 1,000	4

TOTAL OCCUPANT LOAD = 230  
 EXITS (s) REQUIRED = 2  
 EXITS (s) PROVIDED = EXITS >2 PROVIDED

**NOTE:**  
**FIRE SPRINKLERS: YES**



**EVERETT SMITH  
DESIGNS, INC**

30141 ANTELOPE RD. D774  
MENIFEE, CA 92584

*Everett Smith*  
Email: everett@everettsmithdesigns.com

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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

REVISIONS:

No.	Description	Date
1	CORRECTIONS	2026.01.20

PROJECT ADDRESS:  
13975 Monte Vista Avenue,  
Chino, CA

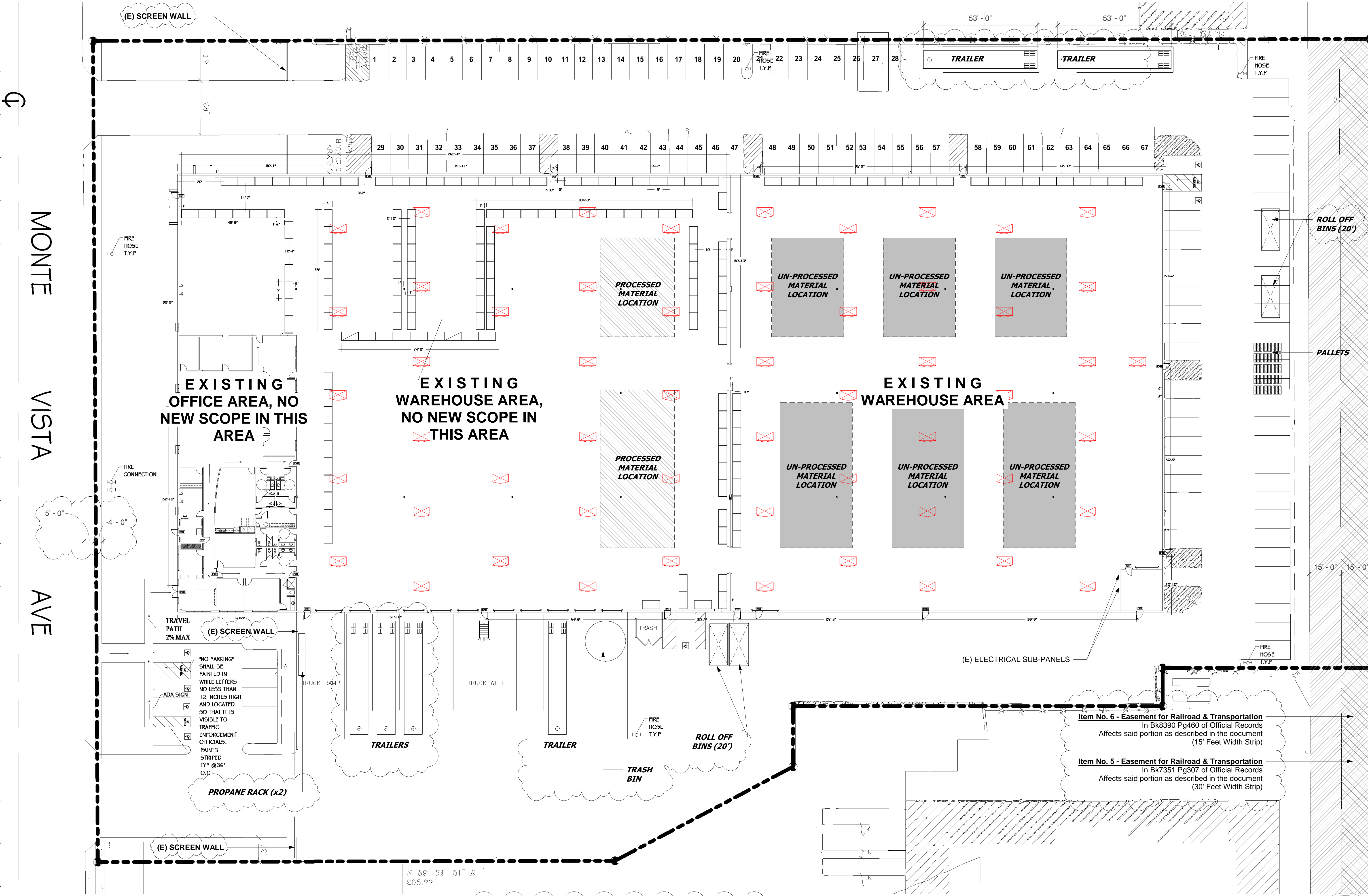
CLIENT NAME:  
EMD RECYCLING CUP

EXISTING SITE  
PLAN

Project number 24-2326  
Date 3/17/2026 1:34:08 PM  
Drawn by RM  
Checked by ES

**A1**  
Scale 1" = 20'-0"

3/17/2026 1:34:08 PM



MONTE VISTA AVE

EXISTING OFFICE AREA, NO NEW SCOPE IN THIS AREA

EXISTING WAREHOUSE AREA, NO NEW SCOPE IN THIS AREA

EXISTING WAREHOUSE AREA

ROLL OFF BINS (20')

PALLETS

(E) ELECTRICAL SUB-PANELS

ROLL OFF BINS (20')

TRASH BIN

TRAILERS

TRAILER

PROPANE RACK (x2)

TRAVEL PATH 2% MAX

(E) SCREEN WALL

(E) SCREEN WALL

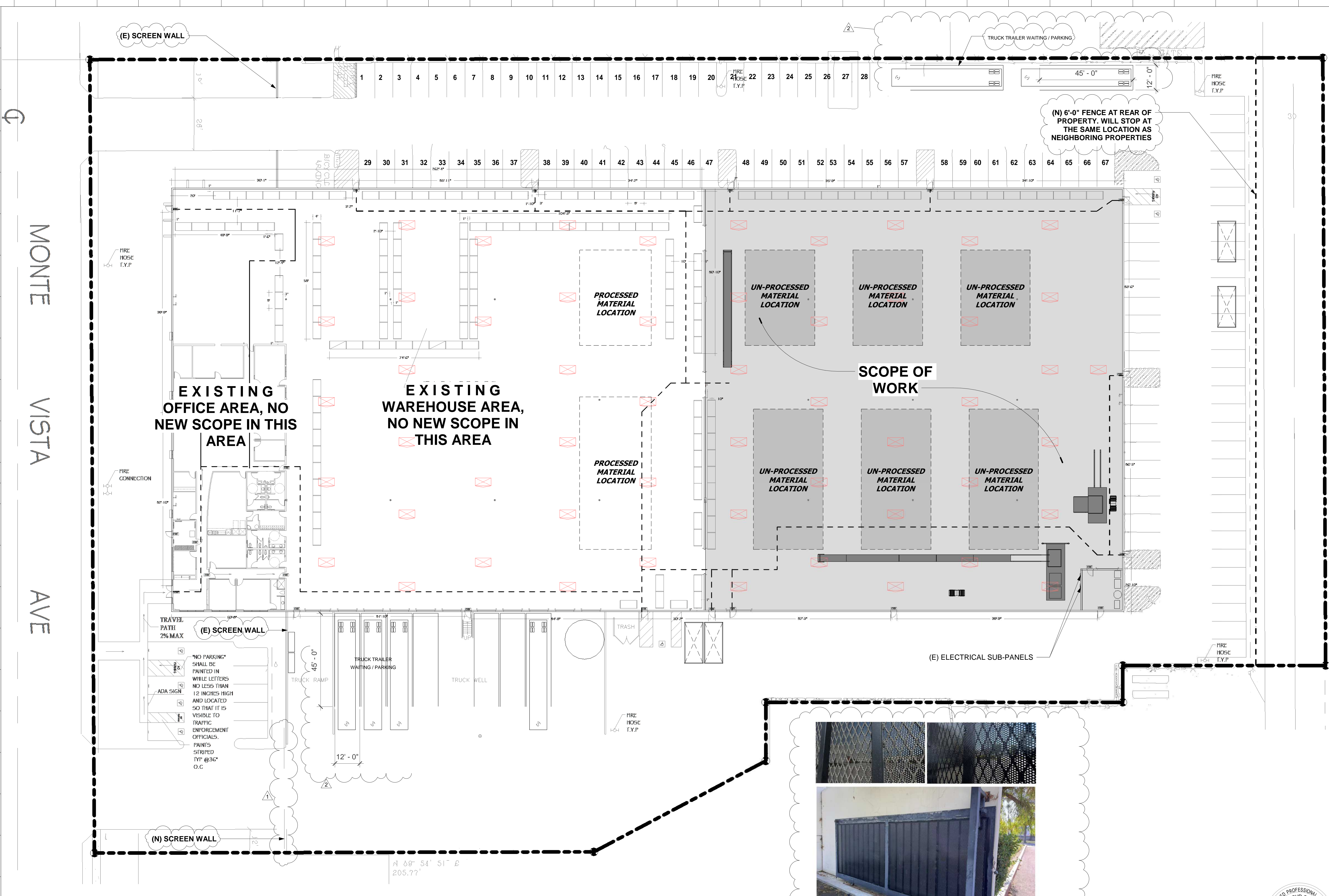
N 08° 54' 51" E  
205.77'

**NOTE:**  
EVERYTHING IN THE HIGH PILE STORAGE RACKS ARE SORTED MATERIALS PENDING SALES

**PROPOSED SITE PLAN**  
SCALE: 1" = 20'-0"

PLANS REVIEWED BY:  
**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM





**EXISTING OFFICE AREA, NO NEW SCOPE IN THIS AREA**

**EXISTING WAREHOUSE AREA, NO NEW SCOPE IN THIS AREA**

**SCOPE OF WORK**

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

PROCESSED MATERIAL LOCATION

PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

UN-PROCESSED MATERIAL LOCATION

(N) 6'-0" FENCE AT REAR OF PROPERTY. WILL STOP AT THE SAME LOCATION AS NEIGHBORING PROPERTIES

TRAVEL PATH 2% MAX

"NO PARKING" SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. PAINTS STRIPED TYP @ 36" O.C

(N) SCREEN WALL

TRUCK TRAILER WAITING / PARKING

TRUCK RAMP

TRASH

TRUCK WELL

(E) ELECTRICAL SUB-PANELS

N 89° 54' 51" E 205.77'



**GATE SCREEN**  
SCALE: 1" = 1'-0"

**PROPOSED SITE PLAN Copy 1**  
SCALE: 1" = 20'-0"

PREPARED BY:

**EVERETT SMITH DESIGNS, INC**  
30141 ANTELOPE RD, D774  
MENIFEE, CA 92584  
Email: everett@everettsmithdesigns.com

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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

REVISIONS:

No.	Description	Date
1	CORRECTIONS	2026.01.20
2	PLANNING INTAKE COMMENTS 2	2026.03.17

PROJECT ADDRESS:  
13975 Monte Vista Avenue,  
Chino, CA

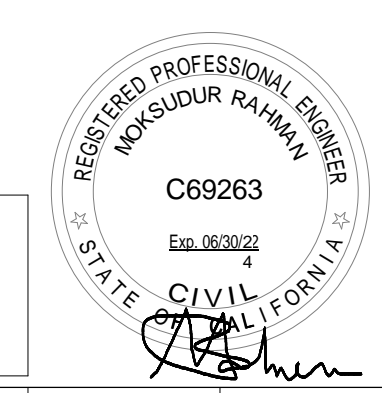
CLIENT NAME:  
EMD RECYCLING CUP

**PROPOSED SITE PLAN**

Project number 24-2326  
Date 3/17/2026 1:34:10 PM  
Drawn by RM  
Checked by ES

**A1.1**  
Scale As indicated

PLANS REVIEWED BY:  
**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM





**EVERETT SMITH  
DESIGNS, INC**

30141 ANTELOPE RD. D774  
MENIFEE, CA 92584

*Everett Smith*  
Email: everett@everettsmithdesigns.com

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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:  
**13975 Monte Vista Avenue,  
Chino, CA**

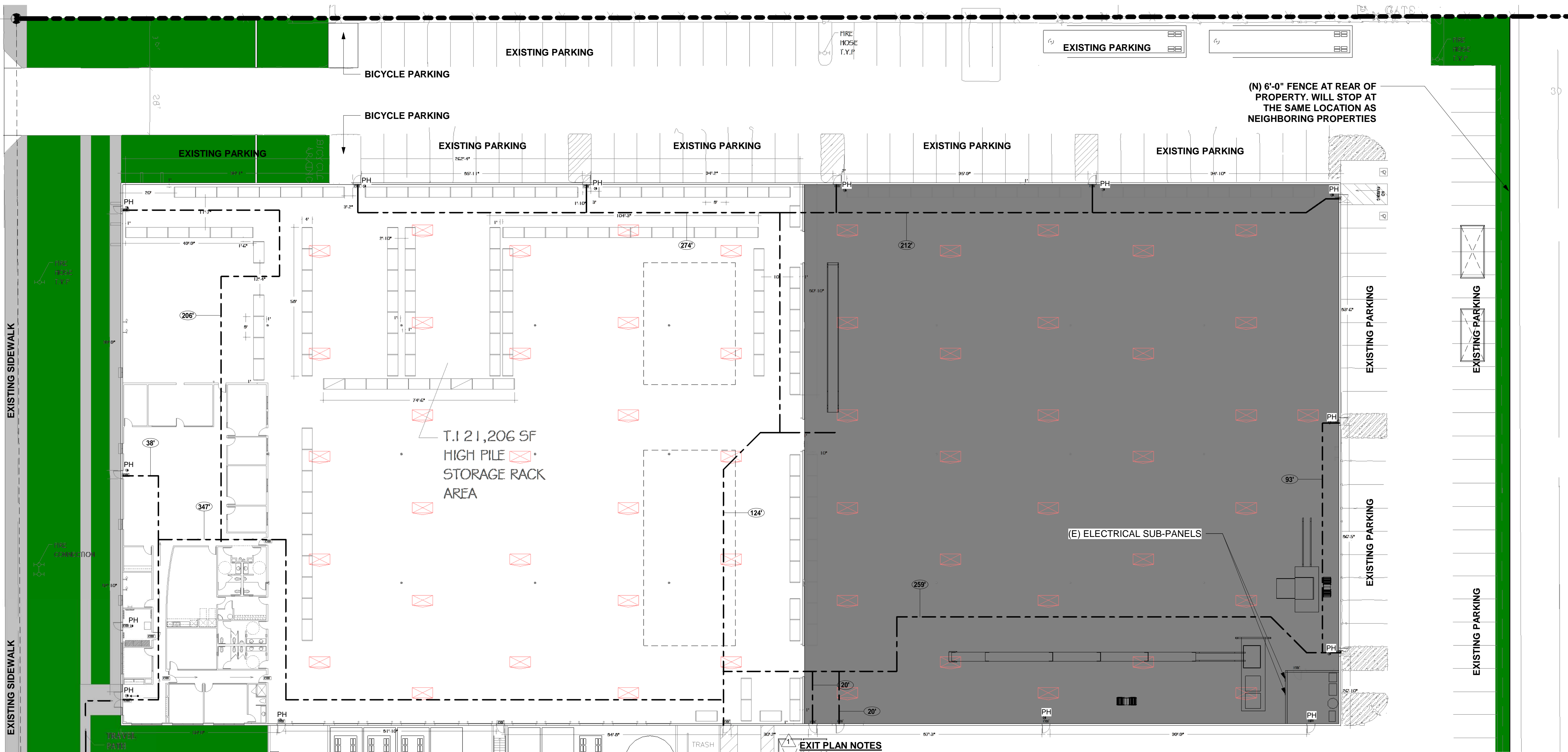
CLIENT NAME:  
**EMD RECYCLING CUP**

**PEDESTRIAN  
ACCESS**

Project number: 24-2326  
Date: 3/17/2026 1:34:13 PM  
Drawn by: Author  
Checked by: Checker

**A1.2**  
Scale: As indicated

3/17/2026 1:34:13 PM



**EXIT PLAN NOTES**

- 1013.4 RAISED CHARACTER AND BRAILLE EXIT SIGNS**  
TACTILE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:
- EACH GRADE-LEVEL EXTERIOR EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT".
  - EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:  
A. "EXIT STAIR DOWN"  
B. "EXIT RAMP DOWN"  
C. "EXIT STAIR UP"  
D. "EXIT RAMP UP"
  - EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
  - EACH EXIT DOOR THROUGH A HORIZONTAL EXIT THAT IS REQUIRED TO COMPLY WITH SECTION 1013.1, SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS, "TO EXIT."

RAISED CHARACTER AND BRAILLE EXIT SIGNS SHALL COMPLY WITH CHAPTER 11A, SECTION 1143A OR CHAPTER 11B, SECTIONS 11B-703.1, 11B-703.2, 11B-703.3 AND 11B-703.5.

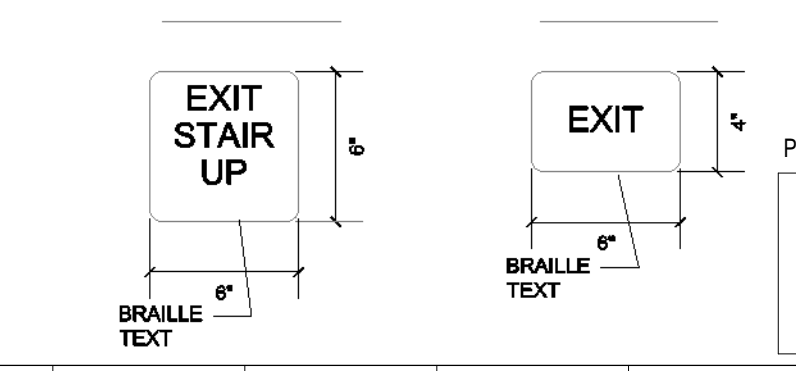
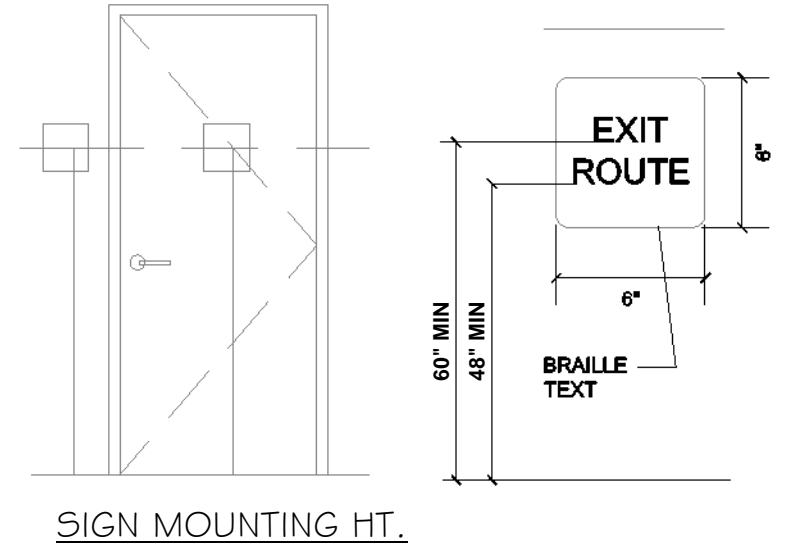
**1013.5 INTERNALLY ILLUMINATED EXIT SIGNS**  
ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTOLUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CHAPTER 27. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.

**1013.6.3 POWER SOURCE**  
EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE SIGN ILLUMINATION MEANS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH CHAPTER 27. GROUP I-2, CONDITION 2 EXIT SIGN ILLUMINATION SHALL NOT BE PROVIDED BY UNIT EQUIPMENT BATTERIES ONLY.

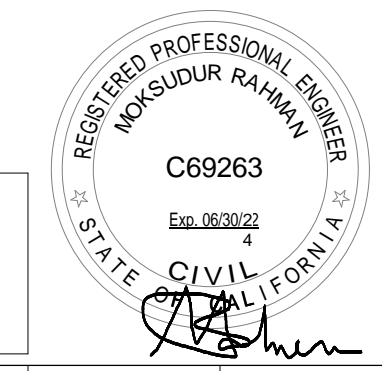
**1013.1 WHERE REQUIRED**  
EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL IN CASES WHERE THE EXIT OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS SHALL BE MARKED BY EXIT SIGNS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT ANY POINT IN AN EXIT ACCESS CORRIDOR OR EXIT PASSAGEWAY IS WITHIN 100 FEET (30 480 MM) OR THE LISTED VIEWING DISTANCE OF THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.

**OCCUPANCY LEGEND**

- PRIMARY EXIT
- ⊙ EXIT NUMBER
- 204 ROOM NUMBER
- ☉ ILLUMINATED EXIT SIGN
- ↑☉ DIRECTIONAL ILLUMINATED EXIT SIGN
- PH PANIC HARDWARE VON DUPRIN-35A-NL-OP OR EQUAL
- SG TACTILE "EXIT" SIGN
- ↑ SG TACTILE "EXIT ROUTE" SIGN
- ☉ TACTILE "EXIT STAIRS DOWN" SIGN
- SG TACTILE "NOT AN EXIT" SIGN



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CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM



**PROPOSED PEDESTRIAN ACCESS PLAN**  
SCALE: 1" = 20'-0"



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DESIGNS, INC**

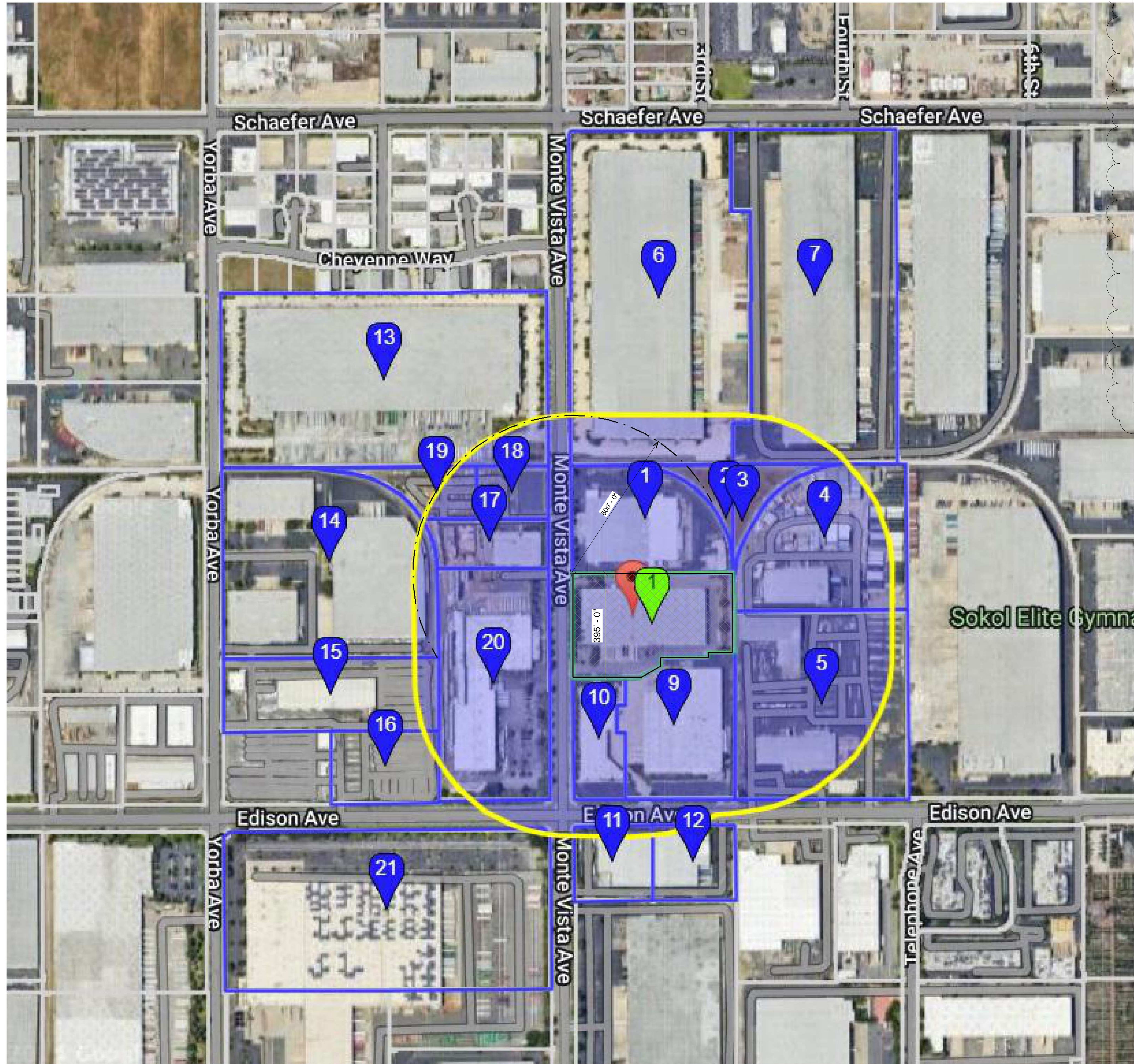
30141 ANTELOPE RD. D774  
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*Everett Smith*  
Email: everett@everettsmithdesigns.com

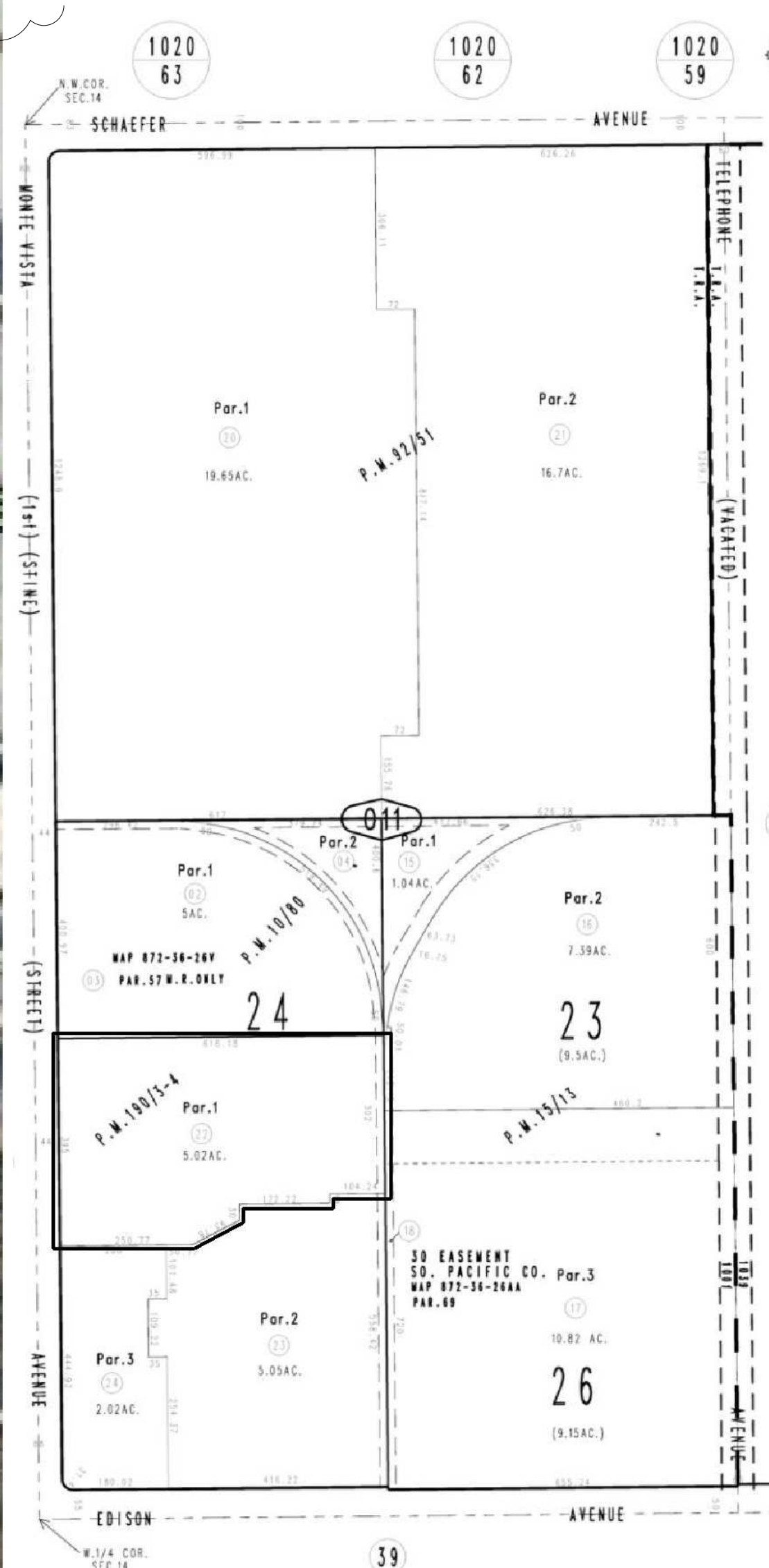
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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**



ZONE	ADJACENT PARCELS
M2	1 SBD 1021-011-02-0000 CENTERPOINT MONTE VISTA LLC 13951 MONTE VISTA AVE CHINO CA 91710-5536
M2	2 SBD 1021-011-04-0000 TSIEBOS MICHELLE M2
M2	3 SBD 1021-011-15-0000 Y2118 EDISON AVE CHINO CA 91710
M2	4 SBD 1021-011-16-0000 PROLOGIS LP EDISON AVE CHINO CA 91710
M2	5 SBD 1021-011-17-0000 PROLOGIS LP 5088 EDISON AVE A CHINO CA 91710-5715
M2	6 SBD 1021-011-20-0000 CHINO REAL ESTATE 13799 LLC 13799 MONTE VISTA AVE CHINO CA 91710-5562
M2	7 SBD 1021-011-21-0000 REEP-IND CHINO CA LLC 5085 SCHAEFER AVE CHINO CA 91710-5541
M2	8 SBD 1021-011-22-0000 WL INTERNATIONAL LLC 13975 MONTE VISTA AVE CHINO CA 91710-5536
M2	9 SBD 1021-011-23-0000 EIF II 4900 LLC 4950 EDISON AVE CHINO CA 91710-5713
M2	10 SBD 1021-011-24-0000 EIF II 4900 LLC 4900 EDISON ST CHINO CA 91710-5713
M2	11 SBD 1021-391-04-0000 EDISON AVENUE PARTNERS 4975 EDISON AVE CHINO CA 91710-5714
M2	12 SBD 1021-391-05-0000 EDISON AVENUE PARTNERS 4925 EDISON AVE CHINO CA 91710-5714
M2	13 SBD 1022-161-04-0000 TGA 13880 MONTE VISTA AVE LLC 13880 MONTE VISTA AVE CHINO CA 91710-5533
M2	14 SBD 1022-171-19-0000 BPP SHIRAZ YORBA LP 13901 YORBA AVE CHINO CA 91710-5521
M2	15 SBD 1022-171-22-0000 GASKIN PROPERTIES CHINO LLC 14055 YORBA AVE CHINO CA 91710-5523
M2	16 SBD 1022-171-23-0000 GASKIN PROPERTIES CHINO LLC EDISON AVE CHINO CA 91710
M2	17 SBD 1022-171-27-0000 SYCAMORE INVESTMENTS LLC 13948 MONTE VISTA AVE CHINO CA 91710-5535
M2	18 SBD 1022-171-28-0000 SYCAMORE INVESTMENTS LLC MONTE VISTA AVE CHINO CA 91710
M2	19 SBD 1022-171-29-0000 SYCAMORE INVESTMENTS LLC 13950 MONTE VISTA AVE CHINO CA 91710-5535
M2	20 SBD 1022-171-33-0000 BERRY GLOBAL FILMS LLC 14000 MONTE VISTA AVE CHINO CA 91710-5537
M2	21 SBD 1022-471-04-0000 AMERICAN HONDA MOTOR CO INC 14141 YORBA AVE CHINO CA 91710-5776



No.	Description	Date
1	CORRECTIONS	2026.01.20
2	PLANNING INTAKE COMMENTS 2	2026.03.17

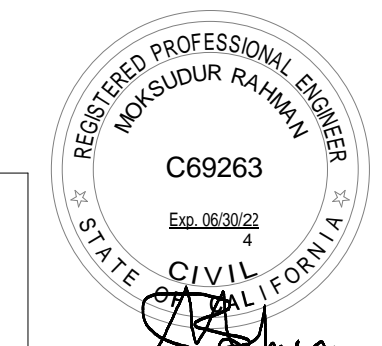
PROJECT ADDRESS:  
13975 Monte Vista Avenue,  
Chino, CA

CLIENT NAME:  
EDM RECYCLING CUP

SITE UTILIZATION

600FT RADIUS MAP  
SCALE: 1" = 200'-0"  
①

PLANS REVIEWED BY:  
**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM



Project number 24-2326  
Date 3/17/2026 1:34:13 PM  
Drawn by Author  
Checked by Checker

**A1.3**

Scale 1" = 200'-0"

**EXIT PLAN NOTES**

CONTRACTOR TO PROVIDE TACTILE EXIT SIGNAGE THAT COMPLIES WITH C.B.C. SECTION 1011.3 AT THE FOLLOWING LOCATIONS WITH THE FOLLOWING WORDS:

- EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT."
- EACH EXIT DOOR THAT LEAD DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
  - EXIT STAIR DOWN"
  - "EXIT RAMP DOWN"
  - "EXIT STAIR UP"
  - "EXIT RAMP UP"
- EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE THAT DOES NOT UTILIZE A STAIR OR RAMP, OR BY MEANS OF AN EXIT PASSAGWAY, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE."
- EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, & 1-TALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE."
- EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "TO EXIT."

- PRIMARY EXIT
- EXIT NUMBER
- EXIT SIGNAGE
- ILLUMINATED EXIT SIGN
- DIRECTIONAL ILLUMINATED EXIT SIGN
- PANIC HARDWARE
- VON DUPRIN-35A-NL-OP OR EQUAL
- TACTILE 'EXIT' SIGN
- TACTILE 'EXIT ROUTE' SIGN

**Section 1016 Exit Access**

**1016.1 General**

The exit access shall comply with the applicable provisions of Sections 1003 through 1015. Exit access arrangement shall comply with Sections 1016 through 1021.

**1016.2 Egress Through Intervening Spaces**

Egress through intervening spaces shall comply with this section. Exit access through an enclosed elevator lobby is permitted in other than a Group I-2 and I-2.1. Access to not less than one of the required exits shall be provided without travel through the enclosed elevator lobbies required by Section 3006. Where the path of exit access travel passes through an enclosed elevator lobby, the level of protection required for the enclosed elevator lobby is not required to be extended to the exit unless direct access to an exit is required by other sections of this code.

Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas and the area served are accessory to one or the other, are not a Group H occupancy and provide a discernible path of egress travel to an exit.

Exception: Means of egress are not prohibited through adjoining or intervening rooms or spaces in a Group H, S or F occupancy where the adjoining or intervening rooms or spaces are the same or a lesser hazard occupancy group. An exit access shall not pass through a room that can be locked to prevent egress. Means of egress from dwelling units or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms.

Egress shall not pass through kitchens, storage rooms, closets or spaces used for similar purposes.

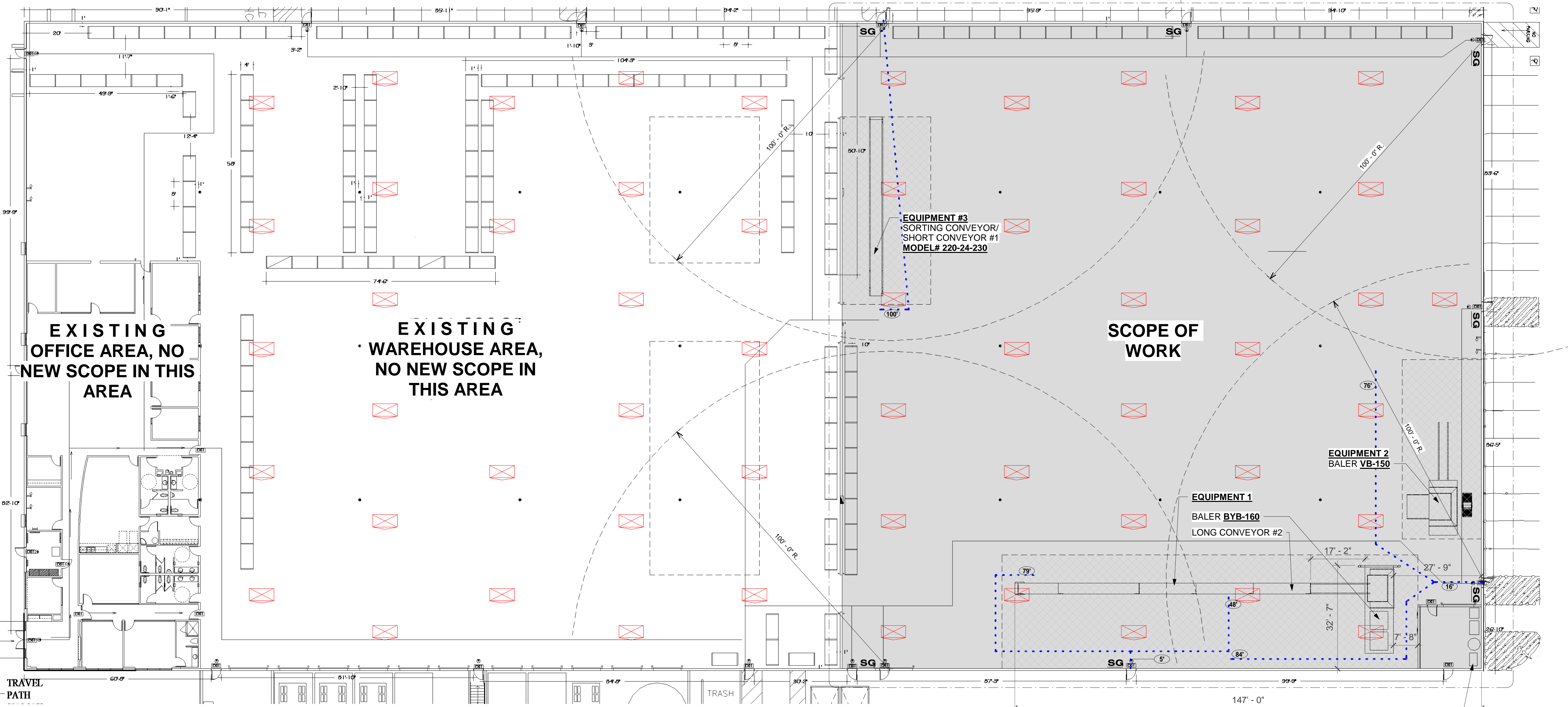
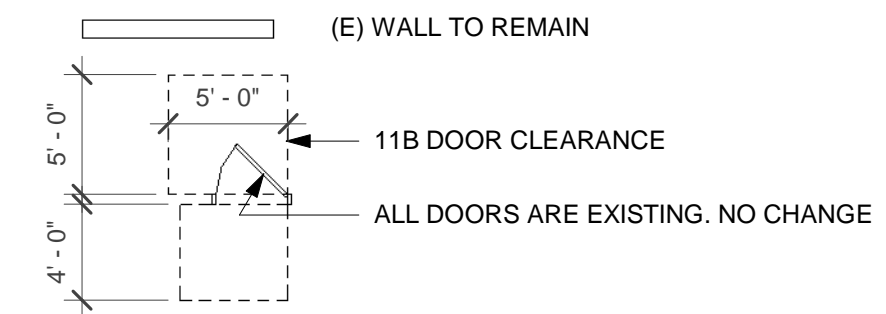
**Exceptions:**

Means of egress are not prohibited through a kitchen area serving adjoining rooms constituting part of the same dwelling unit or sleeping unit.

Means of egress are not prohibited through stockrooms in Group M occupancies where all of the following are met:

- The stock is of the same hazard classification as that found in the main retail area.
- Not more than 50 percent of the exit access is through the stockroom.
- The stockroom is not subject to locking from the egress side.
- There is a demarcated, minimum 44-inch-wide (1118 mm) aisle defined by full- or partial-height fixed walls or similar construction that will maintain the required width and lead directly from the retail area to the exit without obstructions.

**FLOOR PLAN / WALL LEGEND**



**1 PROPOSED FIRST FLOOR PLAN**  
1/16" = 1'-0"

	Make	Model #	Serial #	Power	Voltage
Short Conveyer #1	New London Engineering	220-24-230	10-94777		
Baler #1	Guangzhou Panyu Qiangye Machinery Co., LTD	VB-150		45 KW	480 V
Baler #2	Guangzhou Panyu Qiangye Machinery Co., LTD	BYB-160		37 KW	480 V
Long Conveyer #2	Guangzhou Panyu Qiangye Machinery Co., LTD	6		2.2 KW	480 V

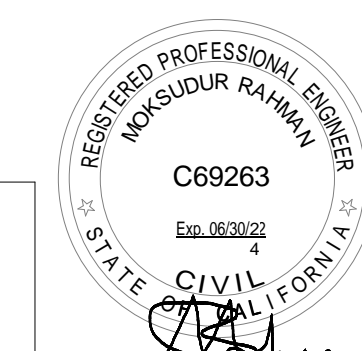
OPERABLE PARTS HARDWARE ON DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL BE LOCATED AT 34" TO 44" MAX ABOVE THE FLOOR

**NOTES:**

- EXIT SIGNS SHALL BE LIT AT ALL TIMES AND SHALL BE PROVIDED WITH A SECONDARY SOURCE OF POWER.
- ALL NEW DOORS SHALL BE PROVIDED WITH LEVER AND OR PUSH/PULL TYPE HARDWARE.

PLANS REVIEWED BY:

**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM



PREPARED BY:



**EVERETT SMITH  
DESIGNS, INC**

30141 ANTELOPE RD, D774  
MENEFEE, CA 92584

Everett Smith  
Email: everett@everettsthdesigns.com

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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

**REVISIONS:**

No.	Description	Date

**PROJECT ADDRESS:**

13975 Monte Vista Avenue,  
Chino, CA

**CLIENT NAME:**

EMD RECYCLING CUP

**PROPOSED FLOOR PLAN**

Project number 24-2326

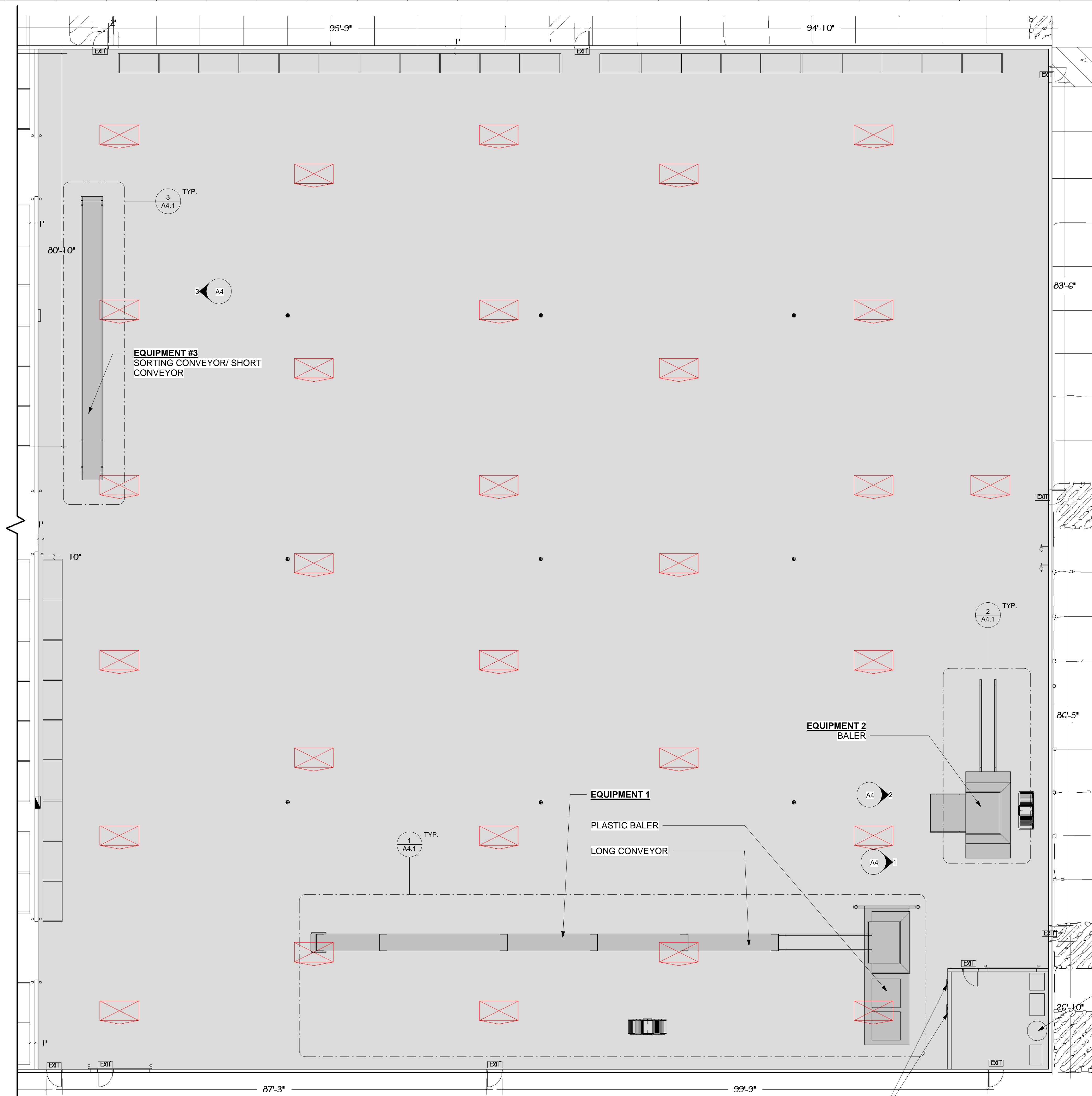
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Checked by ES

**A2**

Scale As indicated



**ENLARGED PLAN**  
SCALE: 1" = 10'-0"

1

(E) ELECTRICAL SUB-PANELS



**SUB-PANELS**



**SUB-PANELS**



**COMPRESSOR ROOM**

**COMPRESSOR ROOM**

PREPARED BY:



**EVERETT SMITH  
DESIGNS, INC**

30141 ANTELOPE RD. D774  
MENIFEE, CA 92584

*Everett Smith*  
Email: everett@everettsmithdesigns.com

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**CONDITIONAL USE PERMIT - EDM RECYCLING**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

13975 Monte Vista Avenue,  
Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

**PROPOSED  
ENLARGED PLAN**

Project number 24-2326

Date 3/17/2026 1:34:19 PM

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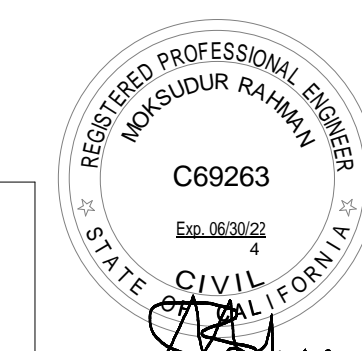
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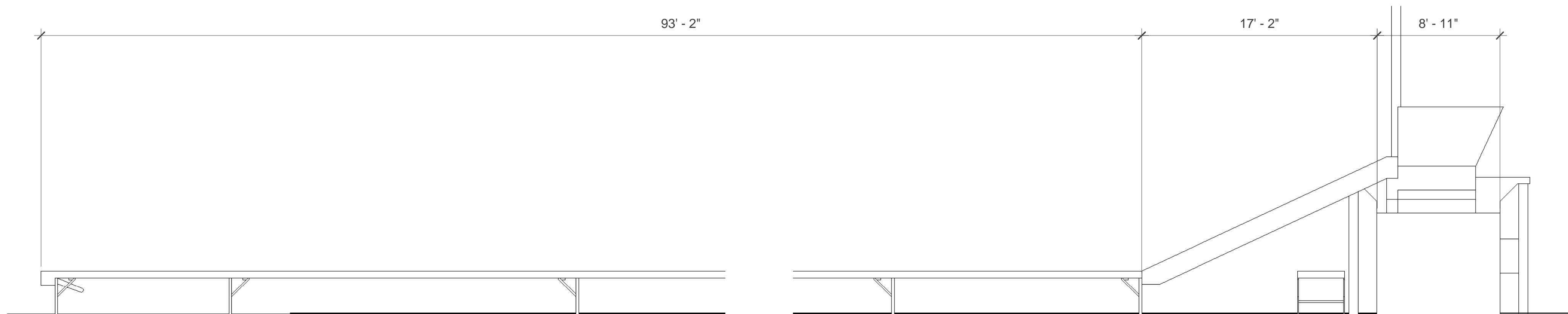
**A3**

Scale 1" = 10'-0"

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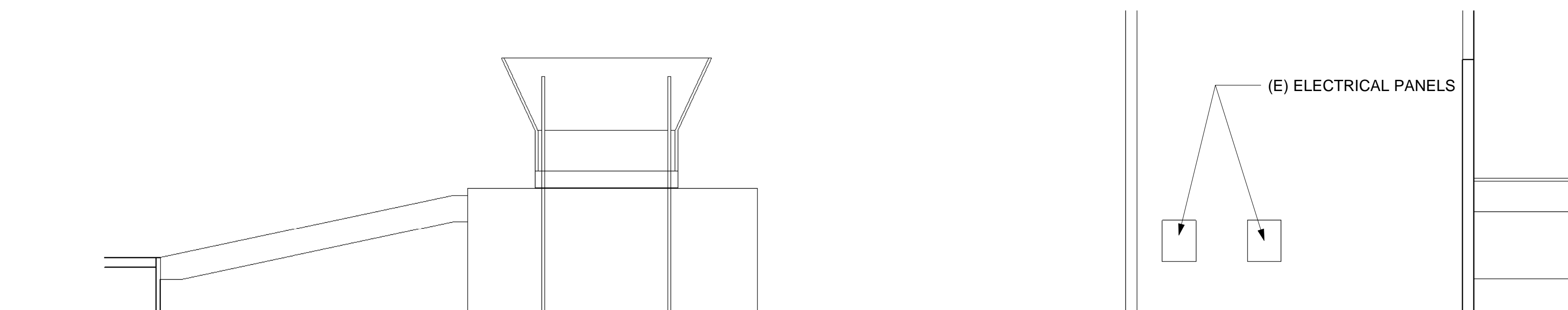
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13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM





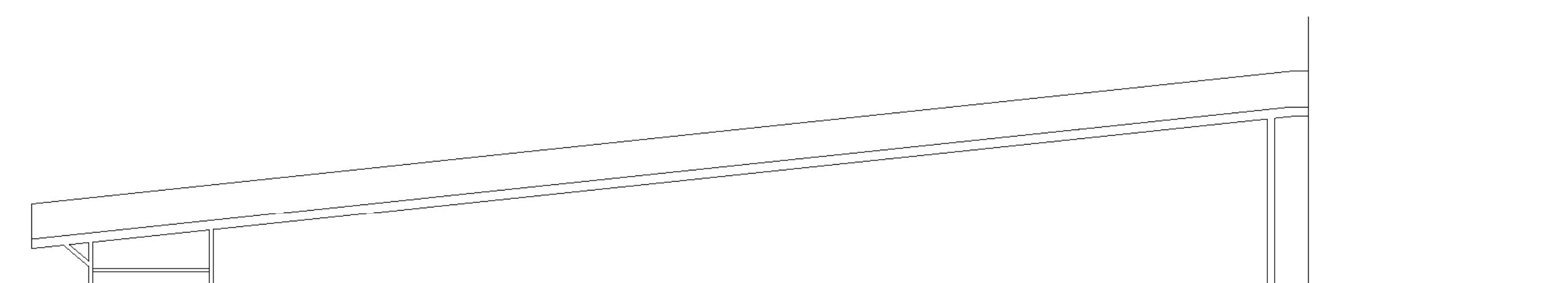
**EQUIPMENT 1 ELEVATION**  
SCALE: 3/16" = 1'-0"

①



**EQUIPMENT 2 ELEVATION**  
SCALE: 3/16" = 1'-0"

②



**SHORT CONVEYOR**  
SCALE: 3/16" = 1'-0"

③



**EQUIPMENT 1 BALER / LONG CONVEYOR**



**EQUIPMENT 2 (STEEL BALER)**



**EQUIPMENT 3  
SORTING CONVEYOR / SHORT CONVEYOR**

PREPARED BY:



**EVERETT SMITH  
DESIGNS, INC**

30141 ANTELOPE RD. D774  
MENIFEE, CA 92584

*Everett Smith*  
Email: everett@everettsmithdesigns.com

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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

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PROJECT ADDRESS:

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CLIENT NAME:

EMD RECYCLING CUP

**EQUIPMENT  
ELEVATIONS**

Project number 24-2326

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**A4**

Scale 3/16" = 1'-0"

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**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM





**EQUIPMENT 1**

SCALE: 12" = 1'-0"

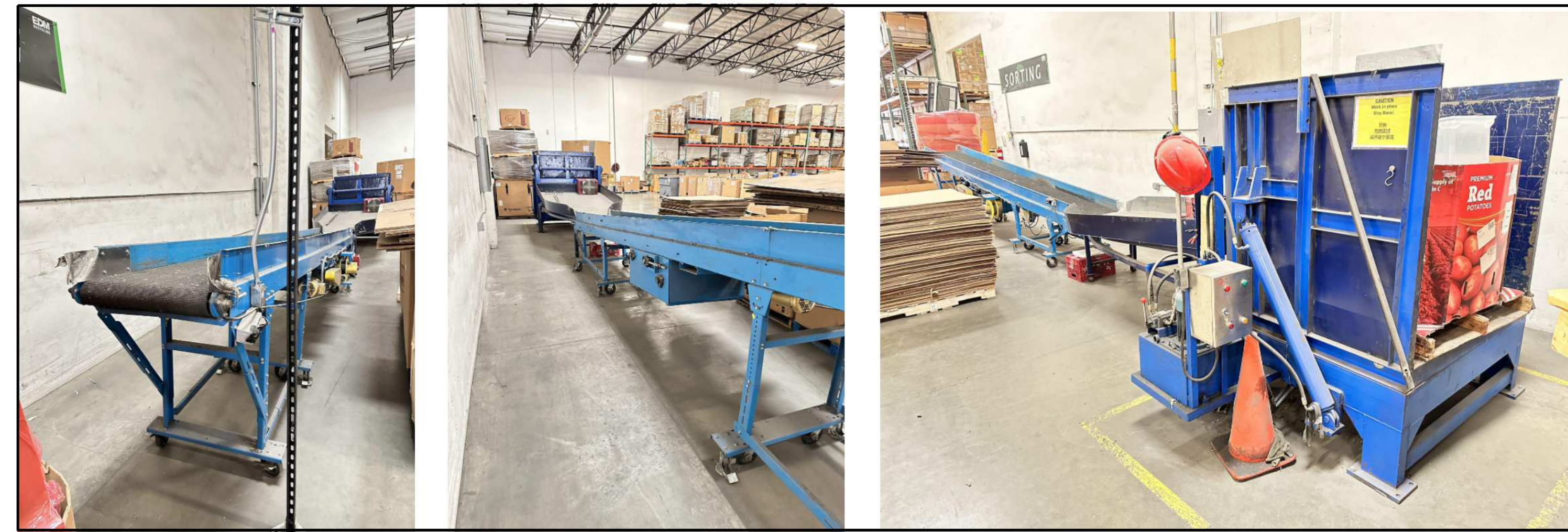
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**EQUIPMENT 2**

SCALE: 12" = 1'-0"

②



**EQUIPMENT 3**

SCALE: 12" = 1'-0"

③

PREPARED BY:



**EVERETT SMITH  
DESIGNS, INC**

30141 ANTELOPE RD. D774  
MENIFEE, CA 92584

*Everett Smith*  
Email: everett@everettsmithdesigns.com

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**CONDITIONAL USE PERMIT - EDM RECYCLING**

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CLIENT NAME:

EMD RECYCLING CUP

**EQUIPMENT  
PICTURES**

Project number 24-2326

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**A4.1**

Scale 12" = 1'-0"

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**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM





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NLECO (https://nleco.com) > Products (https://nleco.com/products) > Slider Bed Conveyors (https://nleco.com/products/horizontal-slider-bed-conveyors) > 220 Medium-Heavy Duty Conveyor

220 Medium-Heavy Duty Conveyor Slider Bed Conveyors



**Description:**

This heavy duty, deep frame slider bed is built for low-maintenance and extended use. This sturdy, solid conveyor is designed for longer, wider, and heavier weight slider bed applications.

**Standard Specifications**

- Width: Up to 88"
- Length: 5'-150' (6" Incremental) Standard Length is 5'; Two Piece Bolt Together
- Standard Speed: 60 FPM
- Standard Motor: 1/2 HP 230/460/1160 TERC
- Standard Drive: Bottom Mount, Right Side

**Standard Belt: Black PVC 120, Clipper Lacing**

- Drive Pulley: 4" Dia Crown Face Rubber Lagged x 1-3/16"
- Infeed Pulley: 4" Dia Crown Face Rubber Lagged x 1-3/16"
- Frame: 5-1/2" Deep x 1.2 Gauge
- Standard Supports: 30" Elevation Top of Belt



New London Engineering helps you sell more by providing unmatched sales support, competitive prices, and quick and accurate quotes.

**IT MAKES ALL THE DIFFERENCE.**  
 (customer-support/new-london-difference)

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**SHORT CONVEYOR**

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Products

Models

(customer-support/new-london-diff

(get-a-quote)

(uptime-express)

(view-book)

(start-book)



**VB-150**

Product Description		Company Info.			
<b>Basic Info.</b>					
Model NO.	VB-150	Transport Package	Wrapping Films		
Specification	2000*1900*4200mm	Trademark	QIANGYE MACHINERY		
Origin	Guangdong, China (Mainland)	HS Code	8422400000		
Production Capacity	20sets/Month				
<b>Product Description</b>					
Waste Paper Baling Press Machine /Vertical Hydraulic plastic scrap baler manufacturer/Hydraulic waste plastic bottle press baler					
Special Features:					
1.It is designed as vertical structure, hydraulic transmission, electrical control					
2.The working pressure from 10T to 100T optional.					
3.This packing machine mainly is used for baling all kinds of waste paper, plastic, metal, textiles and other recyclable materials					
4.Pressing, baling and packing recycled materials quickly and easily in the meanwhile, the bale machine can improve efficiency of crushing machines by making recycled materials easy to be crushed after pressing.					
5.Besides reducing freight of transportation. Semi-automatic hydraulic bale machine also saves conveyance manpower and materials by pressing bulk materials into block after packing.					
6.Good adaptability and long service life.					
<b>Packaging &amp; Delivery</b>					
Packaging Details	1. Outside package: Standard export wooden cases 2. Inner package: Stretch film				
Delivery Time					
Model	Baler size L*W (mm)	Work pressure (kN)	Main power (KW)	Overall dimension L*W*H(mm)	Total Weight (KG)
VB-30T	900*600mm	300kn	7.5kw	1200*1000*3150mm	1500kg
VB-40T	900*600mm	400kn	7.5kw	1200*1000*3150mm	1800kg
VB-60T	1000*650mm	600kn	11kw	1530*1300*3550mm	2800kg
VB-80T	1000*650mm	800kn	11kw	1600*1350*3550mm	3280kg
VB-100T	1000*650mm	1000kn	15kw	1600*1350*3550mm	4200kg
	1100*800mm	1000kn	15kw	1700*1400*3550mm	4700kg
	1250*1100mm	1000kn	18.5kw	1840*1500*3550mm	6300kg
VB-150T	1100*800mm	1500kn	18.5kw	1800*1600*3846mm	7720kg
	1100*1250mm	1500kn	22kw	2000*1900*3846mm	8500kg

	Make	Model #	Serial #	Power	Voltage
Short Conveyyor #1	New London Engineering	220-24-230	10-94777		
Baler #1	Guangzhou Panyu Qiangye Machinery Co., LTD	VB-150		45 KW	480 V
Baler #2	Guangzhou Panyu Qiangye Machinery Co., LTD	BYB-160		37 KW	480 V
Long Conveyyor #2	Guangzhou Panyu Qiangye Machinery Co., LTD	6		2.2 KW	480 V



**VB-160**

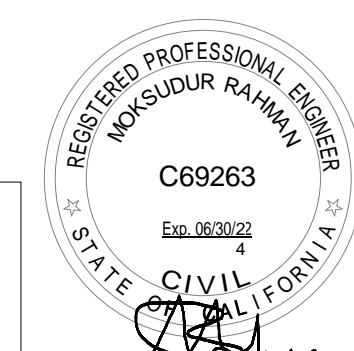
**Features:**

- 1) Baling force from 10 to 100 tons with a variety of models & specifications.
- 2) Hydraulic drive & top-mounted cylinder, use less energy, with huge operating energy
- 3) Four-door, well shaped wear silk, for a variety of soft materials ( waste paper, waste plastic, PET mineral water bottles, straw, clothing, wasted cotton, pieces of cloth, wool tops, can also be used for cotton lint, cashmer, towels, cloth, blankets, bags and other soft objects in the compressed package. ) compression packing. Compact structure, nice appearance, economical and practical, easy maintenance, wide range of application.

Model	RD-VB-120T A
Hydraulic Power ( Ton / KN)	120Tone / 1200KN
Hydraulic Cylinder	Φ 200
Bale Size(L*W*H)	1200*800*1000mm
Capability	8-10bales/hour
Bale Weight(KG)	850Kg
Voltage	380V,50Hz
Main Power (KW)	22KW/30HP

PLANS REVIEWED BY:

**RAHMAN ENGINEERING**  
 13611 12TH ST, SUITE-B,  
 CHINO, CA 91710  
 Tel: (213)-400-8078  
 MOKSUD.RAHMAN@GMAIL.COM



PREPARED BY:



**EVERETT SMITH  
 DESIGNS, INC**

30141 ANTELOPE RD, D774  
 MENIFEE, CA 92584

Everett Smith  
 Email: everett@everettsmithdesigns.com

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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

13975 Monte Vista Avenue,  
 Chino, CA

CLIENT NAME:

EMD RECYCLING CUP

EQUIPMENT SPECS

Project number 24-2326

Date 3/17/2026 1:34:24 PM

Drawn by Author

Checked by Checker

**A4.2**

Scale

**11B-603.1 GENERAL**  
TOILET AND BATHING ROOMS SHALL COMPLY WITH SECTION 11B-603.

**11B-603.2 CLEARANCES**  
CLEARANCES SHALL COMPLY WITH SECTION 11B-603.2.

**11B-603.2.1 TURNING SPACE**  
TURNING SPACE COMPLYING WITH SECTION 11B-304 SHALL BE PROVIDED WITHIN THE ROOM.

**11B-603.2.2 OVERLAP**  
REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP.

**11B-603.2.3 DOOR SWING**  
DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL BE PERMITTED TO ENCR OACH INTO THE TURNING SPACE WITHOUT LIMITATION. OTHER THAN DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS, A DOOR, IN ANY POSITION, SHALL BE PERMITTED TO ENCR OACH INTO THE TURNING SPACE BY 12 INCHES (305 MM) MAXIMUM.

**11B-603.3 MIRRORS**  
MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES (1016 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES (889 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

**11B-604.2 LOCATION**  
THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTER-LINE OF THE WATER CLOSET SHALL BE 17 INCHES (432 MM) MINIMUM TO 18 INCHES (457 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES (432 MM) MINIMUM AND 19 INCHES (483 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN SECTION 11B-604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

**11B-604.3.1 SIZE**  
CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES (1524 MM) MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES (1422 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. A MINIMUM 60 INCHES (1524 MM) WIDE AND 48 INCHES (1219 MM) DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.

**11B-604.4 SEATS**  
THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (432 MM) MINIMUM AND 19 INCHES (483 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. SEATS SHALL BE 2 INCHES (51 MM) HIGH MAXIMUM.

**11B-604.5.1 SIDE WALL**  
THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1067 MM) LONG MINIMUM, LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES (1372 MM) MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES (610 MM) MINIMUM IN FRONT OF THE WATER CLOSET.

**11B-604.5.2 REAR WALL**  
THE REAR WALL GRAB BAR SHALL BE 36 INCHES (914 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE.

**11B-604.6 FLUSH CONTROLS**  
FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 EXCEPT THEY SHALL BE LOCATED 44 INCHES (1118 MM) MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH SECTION 11B-604.8.2.

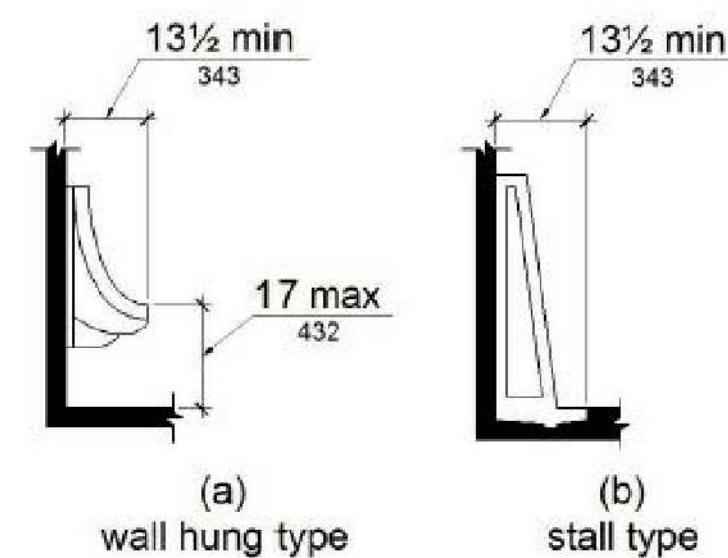
**11B-604.7.2 DISPOSAL UNITS**  
SANITARY NAPKIN DISPOSAL UNITS, IF PROVIDED, SHALL COMPLY WITH SECTION 11B-309.4 AND SHALL BE WALL MOUNTED AND LOCATED ON THE SIDEWALL BETWEEN THE REAR WALL OF THE TOILET AND THE TOILET PAPER DISPENSER, ADJACENT TO THE TOILET PAPER DISPENSER. THE DISPOSAL UNIT SHALL BE LOCATED BELOW THE GRAB BAR WITH THE OPENING OF THE DISPOSAL UNIT 19 INCHES MINIMUM (483 MM) ABOVE THE FINISH FLOOR.

**KEYNOTES - RESTROOM (SEE AD3)**

ITEM	PRODUCT	COMMENTS
1	WATER CLOSET AMERICAN STANDARD - 3451.660 MADERA 15" HEIGHT 1.6 GPF...	ACCESSIBLE, PER 11B OF CBC
2	URINAL N/A	ACCESSIBLE, PER 11B OF CBC
3	LAVATORY AND FAUCET (WALL MOUNTED) AMERICAN STANDARD - DECORUM 21"x20-1/4" WALL HUNG LAVATORY, 9134001EC (CENTER HOLE ONLY)	ACCESSIBLE, PER 11B OF CBC
4	FAUCET AMERICAN STANDARD PARADIGM ELECTRONIC INTEGRATED PROXIMITY LAVATORY FAUCET	ACCESSIBLE, PER 11B OF CBC
5	TOWEL DISPENSERS AND WASTE RECEPTACLE BOBRICK B-3979	SURFACE MOUNTED, STAINLESS STEEL
6	LIQUID SOAP DISPENSER BOBRICK B-2013	VERIFY SPECIFICATIONS WITH CITY
7	MIRROR BOBRICK B-290 2448	
8	TOILET SEAT COVER BOBRICK B-3091 OR SIMILAR	VERIFY SPECIFICATIONS WITH CITY
9	TOILET TISSUE DISPENSER BOBRICK B-3091 OR SIMILAR	VERIFY SPECIFICATIONS WITH CITY
10	GRAB BARS BACK: BOBRICK (or equal) B-6806 X 36" SIDE: BOBRICK (or equal) B-6806 X 42"	STAINLESS - CONCEALED MOUNTING, 1 1/2" dim. CAPABLE OF 250 LBS LOAD MIN

**11B-605.2 Height and Depth**

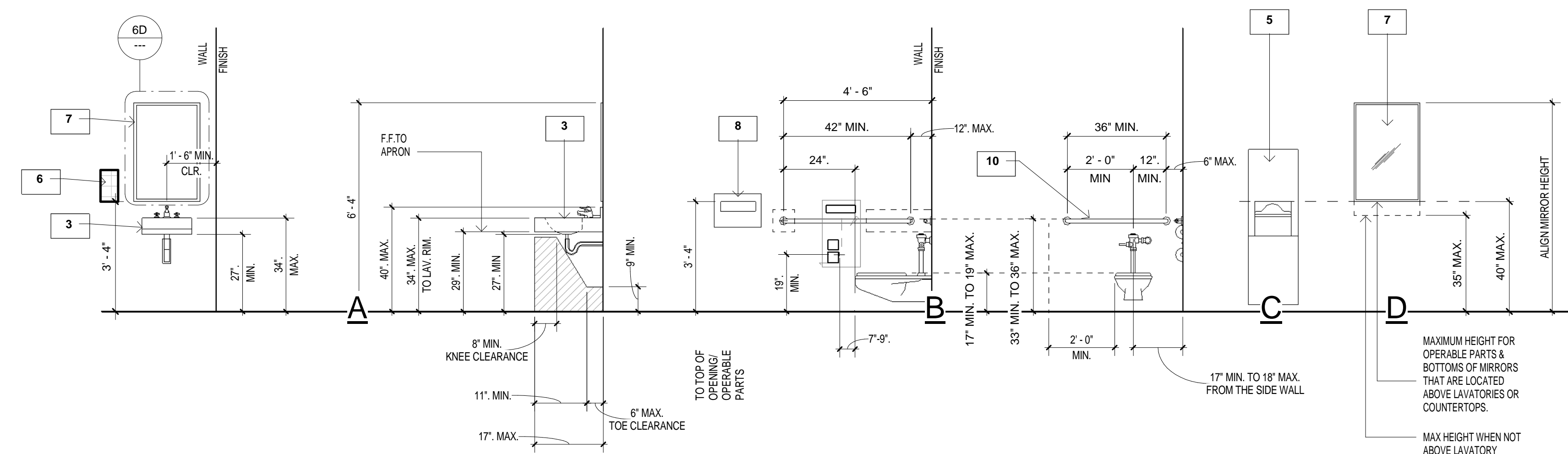
Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (432 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (343 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.



**FIGURE 11B-605.2  
HEIGHT AND DEPTH OF URINALS**

AMENDMENT

**6 RESTROOM DIMENSIONS**  
3/8" = 1'-0"



PREPARED BY:  
**ES**  
**EVERETT SMITH  
DESIGNS, INC**  
30141 ANTELOPE RD. D774  
MENIFEE, CA 92584  
Email: everett@everettsmithdesigns.com  
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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:  
13975 Monte Vista Avenue,  
Chino, CA

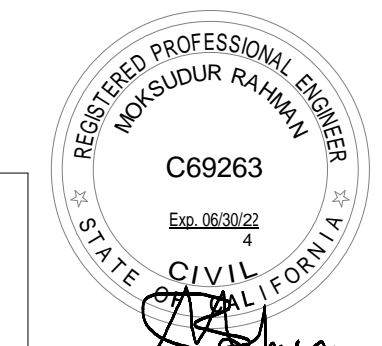
CLIENT NAME:  
EMD RECYCLING CUP

**EXITING RESTROOM  
DETAILS**

Project number 24-2326  
Date 3/17/2026 1:34:26 PM  
Drawn by Author  
Checked by Checker

**A5**  
Scale 3/8" = 1'-0"

PLANS REVIEWED BY:  
**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKSUD.RAHMAN@GMAIL.COM



# 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

## NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2022 Supplement)

PREPARED BY:



**EVERETT SMITH  
DESIGNS, INC.**

30141 ANTELOPE RD. D774  
MENIFEES, CA 92584

*Everett Smith*  
Email: everett@everettsmithdesigns.com

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PROJECT:

**CONDITIONAL USE PERMIT - EDM RECYCLING**

Y	NA	RESPON PARTY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>CHAPTER 3 GREEN BUILDING</b></p> <p><b>SECTION 301 GENERAL</b></p> <p><b>301.1 SCOPE.</b> Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.</p> <p><b>301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG]</b> The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.</p> <p>A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.</p> <p><b>301.3.1</b> Nonresidential additions and alterations that cause updates to plumbing fixtures only:</p> <p>Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1et seq. for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.</p> <p><b>301.3.2</b> Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.</p> <p><b>301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES.</b> (see GBCS) <b>301.5 HEALTH FACILITIES.</b> (see GBCS)</p> <p><b>SECTION 302 MIXED OCCUPANCY BUILDINGS</b></p> <p><b>302.1 MIXED OCCUPANCY BUILDINGS.</b> In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.</p> <p><b>SECTION 303 PHASED PROJECTS</b></p> <p><b>303.1 PHASED PROJECTS.</b> For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.</p> <p><b>303.1.1</b> Initial Tenant Improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.</p> <p><b>ABBREVIATION DEFINITIONS:</b> HCD Department of Housing and Community Development BSC California Building Standards Commission DSA-SS Division of the State Architect, Structural Safety OSHDP Office of Statewide Health Planning and Development LR Low Rise HR High Rise AA Additions and Alterations N New</p> <p><b>CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES</b></p> <p><b>DIVISION 5.1 PLANNING AND DESIGN</b></p> <p><b>SECTION 5.101 GENERAL</b></p> <p><b>5.101.1 SCOPE.</b> The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.</p> <p><b>SECTION 5.102 DEFINITIONS</b></p> <p><b>5.102.1 DEFINITIONS.</b> The following terms are defined in Chapter 2 and are included here for reference)</p> <p><b>CUTOFF LUMINAIRES.</b> Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.</p> <p><b>LOW-EMITTING AND FUEL EFFICIENT VEHICLES.</b> Eligible vehicles are limited to the following:</p> <ol style="list-style-type: none"> <li>Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (original equipment manufacturer only) regulated and California Code section 43800 and CCR, Title 13, Sections 1961 and 1962.</li> <li>High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles.</li> </ol> <p><b>NEIGHBORHOOD ELECTRIC VEHICLE (NEV).</b> A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.</p> <p><b>TENANT-OCCUPANTS.</b> Building occupants who inhabit a building during their normal hours of operation as permanent occupants, such as employees, as distinguished from contractors and other transient visitors.</p> <p><b>VANPOOL VEHICLE.</b> Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.</p> <p>Note: Source: Vehicle Code, Division 1, Section 668</p> <p><b>ZEV.</b> Any vehicle certified to zero-emission standards.</p> <p><b>SECTION 5.106 SITE DEVELOPMENT</b></p> <p><b>5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND.</b> Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:</p> <p><b>5.106.1.1</b> Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.</p> <p><b>5.106.1.2</b> Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.</p> <ol style="list-style-type: none"> <li>Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following: <ol style="list-style-type: none"> <li>Scheduling construction activity during dry weather, when possible.</li> <li>Preservation of natural features, vegetation, soil, and buffers around surface waters.</li> <li>Drainage swales or lined ditches to control stormwater flow.</li> <li>Mulching or hydroseeding to stabilize disturbed soils.</li> <li>Erosion control to protect slopes.</li> <li>Protection of storm drain inlets (gravel bags or catch basin inserts).</li> <li>Perimeter sediment control (perimeter silt fence, fiber rolls).</li> <li>Sediment trap or sediment basin to retain sediment on site.</li> <li>Stabilized construction exits.</li> <li>Wind erosion control.</li> <li>Other soil loss BMPs acceptable to the enforcing agency.</li> </ol> </li> <li>Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following: <ol style="list-style-type: none"> <li>Dewatering activities.</li> <li>Material handling and waste management.</li> <li>Building materials stockpile management.</li> <li>Management of washout areas (concrete, paints, stucco, etc.).</li> <li>Control of vehicle/equipment fueling to contractor's staging area.</li> <li>Vehicle and equipment cleaning performed off site.</li> <li>Soil prevention and control.</li> <li>Other housekeeping BMPs acceptable to the enforcing agency.</li> </ol> </li> </ol>		

Y	NA	RESPON PARTY																				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
<p><b>5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND.</b> Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development or sale.</p> <p>Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).</p> <p>The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.</p> <p>Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.</p> <p><b>5.106.4 BICYCLE PARKING.</b> For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2</p> <p><b>5.106.4.1</b> Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.</p> <p><b>5.106.4.1.1</b> Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack. Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.</p> <p><b>5.106.4.1.2</b> Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.</p> <p><b>5.106.4.1.3</b> For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.</p> <p><b>5.106.4.1.4</b> For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.</p> <p><b>5.106.4.1.5</b> Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:</p> <ol style="list-style-type: none"> <li>Covered, lockable enclosures with permanently anchored racks for bicycles;</li> <li>Lockable bicycle rooms with permanently anchored racks; or</li> <li>Lockable, permanently anchored bicycle lockers.</li> </ol> <p>Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.</p> <p><b>5.106.4.2</b> Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2</p> <p><b>5.106.4.2.1</b> Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.</p> <p><b>5.106.4.2.2</b> Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:</p> <ol style="list-style-type: none"> <li>Covered, lockable enclosures with permanently anchored racks for bicycles;</li> <li>Lockable bicycle rooms with permanently anchored racks; or</li> <li>Lockable, permanently anchored bicycle lockers.</li> </ol> <p><b>5.106.5.2 DESIGNATED PARKING FOR CLEAN AIR VEHICLES.</b> In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:</p> <table border="1"> <thead> <tr> <th colspan="2">TABLE 5.106.5.2 - PARKING</th> </tr> <tr> <th>TOTAL NUMBER OF PARKING SPACES</th> <th>NUMBER OF REQUIRED SPACES</th> </tr> </thead> <tbody> <tr> <td>0-9</td> <td>0</td> </tr> <tr> <td>10-25</td> <td>1</td> </tr> <tr> <td>26-50</td> <td>2</td> </tr> <tr> <td>51-75</td> <td>3</td> </tr> <tr> <td>76-100</td> <td>4</td> </tr> <tr> <td>101-150</td> <td>5</td> </tr> <tr> <td>151-200</td> <td>6</td> </tr> <tr> <td>201 AND OVER</td> <td>AT LEAST 8% OF TOTAL</td> </tr> </tbody> </table> <p><b>5.106.5.2.1</b> - Parking stall marking. Paint, in the paint used for stall striping, the following characters such that they are the least worst alignment with the end of the stall striping and is visible beneath a parked vehicle: CLEAN AIR / VAN POOL / EV</p> <p>Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.</p> <p><b>5.106.5.3</b> Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:</p> <p><b>5.106.5.3.1</b> Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:</p> <ol style="list-style-type: none"> <li>The type and location of the EVSE.</li> <li>A listed raceway capable of accommodating a 208/240 -volt dedicated branch circuit.</li> <li>The raceway shall not be less than trade size 1".</li> <li>The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and listed suitable cabinet, box, enclosure or equivalent.</li> <li>The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.</li> </ol> <p><b>5.106.5.3.2</b> Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:</p> <ol style="list-style-type: none"> <li>The type and location of the EVSE.</li> <li>The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.</li> <li>Plan design shall be based upon 40-ampere minimum branch circuits.</li> <li>Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.</li> <li>The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.</li> </ol> <p><b>5.106.5.3.3</b> EV charging space calculations. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.</p> <p>Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:</p>			TABLE 5.106.5.2 - PARKING		TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES	0-9	0	10-25	1	26-50	2	51-75	3	76-100	4	101-150	5	151-200	6	201 AND OVER	AT LEAST 8% OF TOTAL
TABLE 5.106.5.2 - PARKING																						
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<p>1. Where there is insufficient electrical supply.</p> <p>2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.</p> <table border="1"> <thead> <tr> <th colspan="2">TABLE 5.106.5.3.3</th> </tr> <tr> <th>TOTAL NUMBER OF PARKING SPACES</th> <th>NUMBER OF REQUIRED SPACES</th> </tr> </thead> <tbody> <tr> <td>0-9</td> <td>0</td> </tr> <tr> <td>10-25</td> <td>1</td> </tr> <tr> <td>26-50</td> <td>2</td> </tr> <tr> <td>51-75</td> <td>4</td> </tr> <tr> <td>76-100</td> <td>5</td> </tr> <tr> <td>101-150</td> <td>7</td> </tr> <tr> <td>151-200</td> <td>10</td> </tr> <tr> <td>201 AND OVER</td> <td>6% of total<sup>1</sup></td> </tr> </tbody> </table> <p>1. Calculation for spaces shall be rounded up to the nearest whole number.</p> <p><b>5.106.5.3.4</b> [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".</p> <p><b>5.106.5.3.5</b> [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.</p> <p><b>5.106.8 LIGHT POLLUTION REDUCTION. [N]</b> Outdoor lighting systems shall be designed and installed to comply with the following:</p> <ol style="list-style-type: none"> <li>The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and</li> <li>Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);</li> <li>Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and</li> <li>Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.</li> </ol> <p>Exceptions: [N]</p> <ol style="list-style-type: none"> <li>Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.</li> <li>Emergency lighting.</li> <li>Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.</li> <li>Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.</li> </ol> <p>Note: [N]</p> <ol style="list-style-type: none"> <li>See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.</li> <li>Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B.</li> <li>Refer to the California Building Code for requirements for additions and alterations.</li> </ol> <table border="1"> <thead> <tr> <th colspan="6">TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS 1,2</th> </tr> <tr> <th>ALLOWABLE RATING</th> <th>LIGHTING ZONE L0</th> <th>LIGHTING ZONE L1</th> <th>LIGHTING ZONE L2</th> <th>LIGHTING ZONE L3</th> <th>LIGHTING ZONE L4</th> </tr> </thead> <tbody> <tr> <td>MAXIMUM ALLOWABLE BACKLIGHT RATING 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Luminaire greater than 2 mounting heights (MH) from property line</td> <td>N/A</td> <td>No Limit</td> <td>No Limit</td> <td>No Limit</td> <td>No Limit</td> </tr> <tr> <td>Luminaire back hemisphere is 1-2 MH from property line</td> <td>N/A</td> <td>B2</td> <td>B3</td> <td>B4</td> <td>B4</td> </tr> <tr> <td>Luminaire back hemisphere is 0.5-1 MH from property line</td> <td>N/A</td> <td>B1</td> <td>B2</td> <td>B3</td> <td>B3</td> </tr> <tr> <td>Luminaire back hemisphere is less than 0.5 MH from property line</td> <td>N/A</td> <td>B0</td> <td>B0</td> <td>B1</td> <td>B2</td> </tr> <tr> <td>MAXIMUM ALLOWABLE UPLIGHT RATING (U)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>For area lighting</td> <td>N/A</td> <td>U0</td> <td>U0</td> <td>U0</td> <td>U0</td> </tr> <tr> <td>For all other outdoor lighting, including decorative luminaires</td> <td>N/A</td> <td>U1</td> <td>U2</td> <td>U3</td> <td>UR</td> </tr> <tr> <td>MAXIMUM ALLOWABLE GLARE RATING 2 (G)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Luminaire greater than 2 MH from property line</td> <td>N/A</td> <td>G1</td> <td>G2</td> <td>G3</td> <td>G4</td> </tr> <tr> <td>Luminaire front hemisphere is 1-2 MH from property line</td> <td>N/A</td> <td>G0</td> <td>G1</td> <td>G1</td> <td>G2</td> </tr> <tr> <td>Luminaire front hemisphere is 0.5-1 MH from property line</td> <td>N/A</td> <td>G0</td> <td>G0</td> <td>G1</td> <td>G1</td> </tr> <tr> <td>Luminaire back hemisphere is less than 0.5 MH from property line</td> <td>N/A</td> <td>G0</td> <td>G0</td> <td>G0</td> <td>G1</td> </tr> <tr> <td>1. 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<p><b>5.106.12 SHADE TREES [DSA-SS].</b> Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.</p> <p><b>5.106.12.1</b> Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.</p> <p>Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculations.</p> <p><b>5.106.12.2</b> Landscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.</p> <p>Exceptions: Playfields for organized sport activity are not included in the total area calculation.</p> <p><b>5.106.12.3</b> Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.</p> <p>Exceptions: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.</p> <p><b>DIVISION 5.2 ENERGY EFFICIENCY</b></p> <p><b>SECTION 5.201 GENERAL</b></p> <p><b>5.201.1</b> Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.</p> <p><b>DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION</b></p> <p><b>SECTION 5.301 GENERAL</b></p> <p><b>5.301.1</b> Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.</p> <p><b>SECTION 5.302 DEFINITIONS</b></p> <p><b>5.302.1</b> Definitions. The following terms are defined in Chapter 2 and are included here for reference)</p> <p><b>EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS].</b> An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which are two major influences on the amount of water that needs to be applied to the landscape.</p> <p><b>FOOTPRINT AREA [DSA-SS].</b> The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.</p> <p><b>METERING FAUCET.</b> A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.</p> <p><b>GRAYWATER.</b> Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.</p> <p><b>MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO).</b> The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 25,000 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.</p> <p><b>MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO).</b> [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.</p> <p><b>POTABLE WATER.</b> Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.</p> <p><b>POTABLE WATER. [HCD]</b> Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.</p> <p><b>RECYCLED WATER.</b> Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.</p> <p><b>SUBMETER.</b> A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.</p> <p><b>WATER BUDGET.</b> Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).</p> <p><b>SECTION 5.303 INDOOR WATER USE</b></p> <p><b>5.303.1 METERS.</b> Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.</p> <p><b>5.303.1.1</b> Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:</p> <ol style="list-style-type: none"> <li>For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.</li> <li>Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems: <ol style="list-style-type: none"> <li>Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).</li> <li>Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).</li> <li>Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).</li> </ol> </li> </ol> <p><b>5.303.1.2</b> Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.</p> <p><b>5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.</b> Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:</p> <p><b>5.303.3.1</b> Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.</p> <p>Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.</p> <p><b>5.303.3.2</b> Urinals.</p> <p><b>5.303.3.2.1</b> Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.</p> <p><b>5.303.3.2.2</b> Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.</p> <p><b>5.303.3.3</b> Showerheads. [BSC-CG]</p> <p><b>5.303.3.3.1</b> Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.</p> <p><b>5.303.3.3.2</b> Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.</p> <p>Note: A hand-held shower shall be considered a showerhead.</p> <p>PLANS REVIEWED BY:</p> <p><b>RAHMAN ENGINEERING</b> 13611 12TH ST, SUITE-B, CHINO, CA 91710 Tel: (213)-400-8078 MOKSUD.RAHMAN@GMAIL.COM</p> <p>REGISTERED PROFESSIONAL ENGINEER MOKSUD RAHMAN STATE OF CALIFORNIA C69263 Exp. 03/2022</p> <p>Project number 24-2326 Date 3/17/2026 1:34:29 PM Drawn by RM Checked by ES</p> <p><b>GRN1</b></p> <p>Scale</p>		



# 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

## NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2022 Supplement)

PREPARED BY:



**EVERETT SMITH  
DESIGNS, INC.**  
30141 ANTELOPE RD. D774  
MENIFEE, CA 92584  
Email: everett@everettsmithdesigns.com

PROJECT:

30141 ANTELOPE RD. D774  
MENIFEE, CA 92584

Everett Smith  
Email: everett@everettsmithdesigns.com

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**CONDITIONAL USE PERMIT - EDM RECYCLING**

Y	NA	RESPON. PARTY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

- Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAGMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
- Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, California Code of Regulations Title 17, commencing with Section 94507.

**TABLE 5.504.4.1 - ADHESIVE VOC LIMIT<sup>1,2</sup>**

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, [www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF](http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF)

**TABLE 5.504.4.2 - SEALANT VOC LIMIT**

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(a)(2) and (d)(2) California Code of Regulations Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

**TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS<sup>2,3</sup>**

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACs:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

- Manufacturer's product specification
- Field verification of on-site product containers

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and product requirements:

- Carpet and Rug Institute's Green Label Plus Program.
- Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350).
- NSF/ANSI 140 at the Gold level or higher;
- Scientific Certifications Systems Sustainable Choice; or
- Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

- 5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
- Product certifications and specifications.
  - Chain of custody certifications.
  - Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
  - Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
  - Other methods acceptable to the enforcing agency.

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**TABLE 5.504.4.5 - FORMALDEHYDE LIMITS:**

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

- Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
- Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
- Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or
- Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building exterior walls, windows and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

**SECTION 5.505 INDOOR MOISTURE CONTROL**

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

**SECTION 5.506 INDOOR AIR QUALITY**

5.506.4 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 1201.2 (Requirements For Ventilation) of the California Energy Code or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO<sub>2</sub>) MONITORING. For buildings or additions equipped with demand control ventilation, CO<sub>2</sub> sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 1201(c)(4).

**SECTION 5.507 ENVIRONMENTAL COMFORT**

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

- Within the 65 CNEL noise contour of an airport.

Exceptions:

- L<sub>n</sub> or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICLUZ) plan.
- L<sub>n</sub> or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L<sub>dn</sub> -1hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source making a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: [www.toolbase.org/PDF/CaseStudies/stc\\_icc\\_ratings.pdf](http://www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf).

**SECTION 5.508 OUTDOOR AIR QUALITY**

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO<sub>2</sub>), and potentially other refrigerants.

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5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigeration systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves and fittings shall comply with the California Mechanical Code and as follows:

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.1 Chain tethers. Chain tethers to fit over the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel, or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

**CHAPTER 7  
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS**

**702 QUALIFICATIONS**

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contract install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- State certified apprenticeship programs.
- Public utility training programs.
- Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
- Programs sponsored by manufacturing organizations.
- Other programs acceptable to the enforcing agency.

**702.2 SPECIAL INSPECTION [HCD].**

When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

- Certification by a national or regional green building program or standard publisher.
- Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
- Successful completion of a third party apprentice training program in the appropriate trade.
- Other programs acceptable to the enforcing agency.

Notes:

- Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
- HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

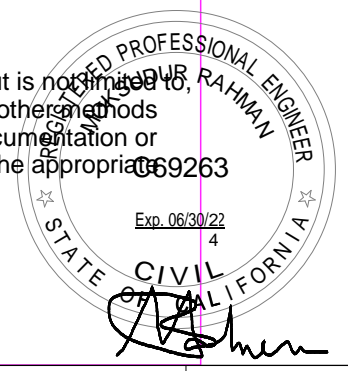
[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

**703 VERIFICATIONS**

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to the following: construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, the method of compliance will be specified in the appropriate section or identified applicable checklist.

**RAHMAN ENGINEERING**  
13611 12TH ST, SUITE-B,  
CHINO, CA 91710  
Tel: (213)-400-8078  
MOKUSU.RAHMAN@GMAIL.COM



REVISONS:

No.	Description	Date