

CITY OF PERRIS EARLY CHIDLHOOD LEARNING

SITE DATA

OWNER:

SITE ADDRESS: 227 N. D STREET, PERRIS CA

TENANT IMPROVEMENT SCOPE OF WORK:

County: Assessor: Parcel # (APN): Parcel Status: Owner Name:

RIVERSIDE, CA PETER ALDANA, ASSESSOR MULTIPLE Mailing Address:

ACTIVE CITY OF PERRIS 101 NORTH D ST PERRIS CA 92570

CITY OF PERRIS

RIVERSIDE COUNTY, CA TEL:951-323-2187

Email: everett@everettsmithdesigns.com

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PREPARED BY:

101 N. D STREET PERRIS, CA

227 N D St suite A, Perris, CA 92570

PROJECT ADDRESS:

227 N D St suite A, Perris, CA 92570

CLIENT NAME:

True North Compliance Services, Inc

Z:\Shared\Everett Smith Designs___ES Design Jobs\21-2155 227 Building Early Childhood Classroom & Offices\21-2155 227 Building Early Childhood 2023.11.20.rte

CITY OF PERRIS

Title Sheet

21-2155 Project number Date 12/4/2023 8:47:37 AM Checked by

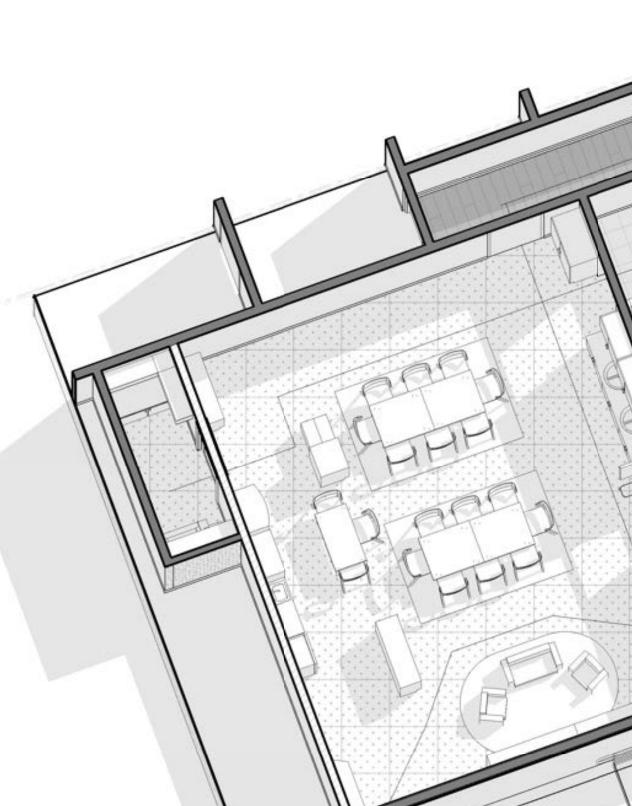
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DESIGN TEAM: Everett Smith Designs PERRIS, CA 92570

DESIGN TEAM

951.323.2187 everett@everettsmithdesigns.com

BLUEBERRY, INC. WWW.BLUEBERRYENG.COM OFFICE: (949)945-9614 X101 DIRECT: (949)945-5036



GENERAL NOTES

THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL OF THE FOLLOWING CONDITIONS:

1. THE CONSTRUCTION SHALL BE IN CONFORMATION WITH THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE AND REQUIREMENTS OF THE GOVERNING AGENCY WITH JURISDICTION.

2. 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.

3. 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.

4. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

5. TYPICAL DETAILS SHOWN APPLY WHERE NO SPECIAL DETAIL IS SHOWN.

6. WRITTEN DIMENSIONS (NOT SCALED DIMENSIONS) SHALL BE USED. DO NOT SCALE DRAWINGS 7. 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.

8. CONTRACTOR AGREES THAT HE OR SHE SHALL ASSUME SOLE AND COMPLETE RESPONCIBILITY 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.

9. 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.

10. ALL DIMENSIONS ARE FACE OF STUD TO FACE OF STUD (F.O.S.) UNLESS OTHERWISE NOTED.

11. PROVIDE SOLID BLOCKING AS REQUIRED FOR ALL WALL MOUNTED AND WALL HUNG EQUIPMENT.

12. ALL WALL PARTITIONS SHALL EXTEND TO THE STRUCTURE ABOVE UNLESS NOTED OTHERWISE. 12 CONTRACTOR SHALL COMBLETELY REMOVE ALL DEMOLISHED MATERIALS SEROM THE SITE. ALL DEMOLISHED MATERIALS WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS THEY ARE TO BE REUSED, RELOCATED, STORED

14. PROPERLY PREPARE AND READY ALL SURFACES TO RECEIVE FINISH MATERIALS.

15. CONTRACTOR SHALL SUPPLY ONE (1) SET OF AS-BUILTS CONSTRUCTION DOCUMENTS TO THE OWNER, WHICH SHALL INCLUDE PLANS AND SPECIFICATIONS.

16. THE CONTRACTOR SHALL NOTE THAT THERE SHALL BE NO SUBSTITUTIONS FOR ANY MATIERIAL 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

17. MANUFACTURERS OF MATERIALS OTHER THAN THOSE SPECIFIED ON THESE PLANS SHALL MEET THE SPECIFIC REQUIREMENTS OF GOVERNING AGENCIES HAVING JURISDICTION OVER THIS PROJECT.

18. GENERAL CONTRACTOR OR HIS OR HER SUBCONTRACTORS SHALL BE RESPONSIBLE FOR VERIFICATION AND APPROVALS OF SUBSTITUTED MATERIALS AS REQUESTED BY GOVERNING AGENCIES.

19. IT SHALL BE THE RESPONCIBILITY OF THE GENERAL CONTRACTOR TO DISTRIBUTE ADEQUATE COPIES OF ALL DRAWINGS TO ALL TRADES FALLING UNDER THEIR RESPONCIBILITY AT ALL TIMES DURING THE PROGRESS OF THE JOB.

20. UPON COMPLETION OF THE JOB, THE GENERAL CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION OF

21. 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 APPPLICABLE REQUIREMENTS IN THESE REGULATIONS SHALL BE FOLLOWED TO SAME AS IF NOTED ON THE DRAWINGS. CONFLICTS BETWEEN WORK SET FORTH 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

22. 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

23. THE GENERAL CONTRACOR 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.

24. 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.

25. ALL REQUESTS FOR CLARIFICATION OF THESE DRAWINGS SHALL BE DIRECTED TO THE DESIGN TEAM.

26. ALL DRAWINGS AND NOTES ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ANY ONE WILL BE AS BINDING AS IF CALLED FOR BY ALL.

27. NOT USED

28. 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, CEILINGS, FLOOR OR ANY OTHER LOCATIONS AS REQUIRED BY LOCAL CODES.

29. 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.

30. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE

31. PLANS SHALL BE SIGNED BY SOILS ENGINEER WHEN REPORTS ARE REQUIRED.

32. 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 OR HERSELF WITH THE SITE, VERIFYING THE DATA AND SATISFYING HIMSELF/HERSELF 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

33. THE MEANS OF EGRESS SERVING ANY OCCUPIED PORTION OF THE BUILDING SHALL BE ILUMINATED 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.

34. THE PATH OF EXIT TRAVEL TO AN WITHIN EXITS IN A BUILDING SHALL BE IDENTIFIED BY EXIT SIGNS CONFORMING

227 N D St, PERRIS, CA

OCCUPANT LOAD/AREA

ABBREVIATIONS

FILL)

EARTH

CONCRETE POUR IN

WOOD/ CONTINUOUS

DIMENSION

QUARR

REFERENCE

REFERENCE

NUMBER

NUMBER KEY

NUMBER

REVISION

COLUM

LINE

ROOM

NUMBER

INTERIOR FI FVATION MATC

EXISTING

CONTOURS

ELEVATION

EXHAUST

LINE

NOT

GRAVEL FILL

REGULAR BLOCK

STONE

LIGHT WEIGHT BLOCK

STUD

FINISHED

SHEET

NUMBE

DETAIL

NUMBE

DLOUD AROUND

INTERIOR ELEVATION

SHEFT NO INTERIOR ELEVATION

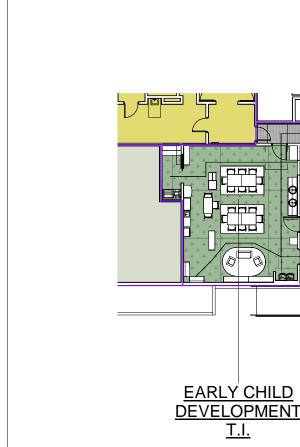
INTERIOR ELEVATION

MATCHING SHEET

- CALL OUT NO.

MATCH LINE NUMBER

-NUMBER



EARLY CHILD DEVELOPMENT T.I.

SCHEDULE - OCCUPANCY (INTERIOR SF) AREA NUMBER OCCUPANCY FACTOR LOAD ROOM NAME 112 SF 101 15 SF RECEPTION 77 SF 150 SF 103 (E) OFFICE #2 131 SF 150 SF 104 (E) OFFICE #1 129 SF 150 SF 105 HALL 150 SF 106 OPEN AREA FOR 674 SF 20 SF KIDS RESTROOM FOYER ACCESSIBLE RESTROOM 109 KID RESTROOM 84 SF 150 SF 111 (E) HALL 104 SF 150 SF 112 (E) HALL 150 SF 100 SF | E 113 (E) BREAK ROOM | 88 SF 150 SF

EXIT/ OCCUPANT ANALYSIS:

TOTAL OCCUPANT LOAD = 46 OCCUPANTS = 1 EXIT EXITS (s) REQUIRED = 2 EXIT EXITS (s) PROVIDED

BUILDING SUMMARY

DESCRIPTION OF USE:	CITY BUILDING
BUIILDING AREA:	17190
BUILDING HEIGHT:	20'-0"
CONST TYPE:	VB& III-B (SEPARATED)
STORIES:	1
OCC CLASS:	E
SPRINKLERS:	NO
AREA OF WORK:	1767 SF
ADJACAENT SPACE:	CODE ENFORCEMENT OFFICE
OCCUPANCY LOAD:	46
. / . / . /	

PROJECT INFO:

227 N. D STREET BUILDING

County:	RIVERSIDE, CA
Assessor:	PETER ALDANA, ASSESSOR
Parcel # (APN):	311-120-026
Parcel Status:	ACTIVE
Owner Name:	CITY OF PERRIS
Mailing Address:	101 N D STREET RIVERSIDE CA 92570
Legal Description:	1.48 ACRES M/L IN POR PAR 2 RS 033/094

AGRN2	Green Building			
AGRN3	Green Building			
E100	Electrical Notes			
E101	Lighting Schedule			
E102	Light Panel & Specs			
E200	Lighting Plan			
E300	Power Plan			
E310	Existing Panel Schedule			
E400	T24			
E410	T24			
M100	Mechanical Notes			
M110	Installation Details			
M200	Mechanical Plan			
M300	T24			
M310	T24			
P100	Plumbing Notes			
P110	Plumbing Calcs & Schedules			
P200	Water System Plan			
P300	Waster / Vent Plan			
P400	Title-24			
PP001	Project Info & Drawing index			
PP100	Plumbing General Notes			
PP101	Plumbing Details			
PP110	Plumbing Calculations			
PP200	Water System Site Plan			
PP210	Water System Plan			

Water System Iso Plan

Plumbing Title-24

1. THIS PROJECT SHALL COMPLY WITH TITLE 24

2022 CALIFORNIA GREEN BUILDING STANDARDS OCE & ENERGY

2. ALL WORK SHALL CONFORM TO THE

2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA GREEN BUILDING CODE

2022 CALIFORNIA PLUMBING CODE

2022 CALIFORNIA ELECTRICAL CODE

2022 CALIFORNIA MECHANICAL CODE

2022 CALIFORNIA FIRE CODE, NFPA 33

2022 CITY OF PERRIS MUNICIPAL CODE

SHEET INDEX

Title Sheet

Site Plan

Cover Sheet

SITE DETAILS

Existing Plan

SIGNAGE

Demo Plan

SHEET NUMBER

A1.1

A1.2

A2.2

A2.3

A3

A3.1

A3.2

A3.3

SHEET NAME

ACCESSIBILITY DETAILS FOR SITE AND

Proposed Floor Plan (OVERALL)

Enlarged Restroom & Elevations

Enlarged Kids Restroom & Elevations

Enlarged Proposed Floor Plan

Finish Plan & Furniture Plan

Code Accessibility Plan

Interior Elevations

Interior Elevations

Proposed R.C.P.

Interior Renderings

Interior Renderings

|Green Building

Sections

	Cover
e North Compliance Services, Inc.	COVE
PLAN REVIEW APPROVAL	
THESE PLANS/DOCUMENTS HAVE BEEN	

REVISIONS:

PROJECT ADDRESS:

Areli Sauchez DATE: 12/06/2023

3. THE FIRE EXTINGUISHERS ARE TO BE PROVIDED PER NFPA 13, THE FIRE EXTINGUISHER LOCATIONS ARE TO BE DETERMINED DURING THE FRAMING STAGE OF CONSTRUCTION

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PP220

PREPARED BY:

RIVERSIDE COUNTY, CA TEL:951-323-2187

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PERRIS, CA

227 N D St suite A,

Perris, CA 92570

21-2155 Project number 12/4/2023 8:47:38 AM Drawn by ES Checked by

CLIENT NAME:

CORRECTIONS 2023.10.14

SITE PLAN NOTES

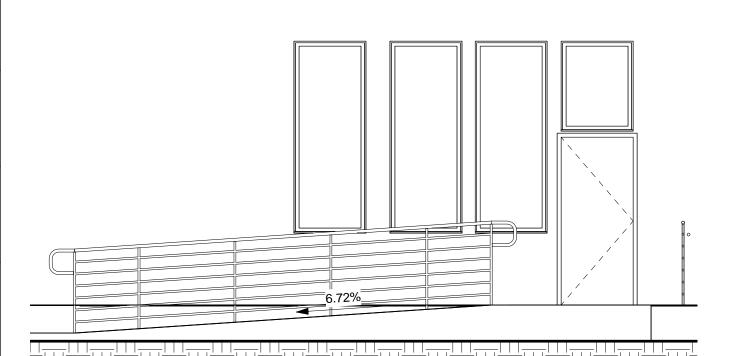
- . CITY TO PROVIDE FINAL LOCATION PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS AND DEPTH PRIOR TO DEMOLITION.
 CONTRACTOR TO PROTECT IN PLACE EXISTING UTILITIES AND/OR REPAIR AS NEEDED FOR
- NEW CONSTRUCTION.
 4. COORDINATE WITH TRADES TO CONNECT NEW UTILITIES TO EXISTING UTILITIES.
- CONTRACTOR TO PROTECT ALL EXISTING SITE IMPROVEMENTS AND ELEMENTS TO REMAIN.
- CONTRACTOR TO PROTECT ALL EXISTING SITE IMPROVEMENTS AND ELEMENTS.

 CONTRACTOR TO CONTACT CITY OR DESIGNER WITH SITE DISCREPANCIES.

THE 5'X5' ACCESSIBLE LANDING AT THE ENTRANCE AND EACH EXIT DOOR. THE LANDING SHALL BE LEVEL (2% MAX. IN ANY DIRECTION) AND BE FLUSH WITH THE FINISH FLOOR. WHEN THE DOOR SWINGS OUT, THE LANDING SHALL EXTEND 24" TO THE SIDE OF STRIKE AND EXTEND OUT 60" PERPENDICULAR TO THE DOOR IN THE CLOSED POSITION. WHEN THE DOOR SWINGS IN, THE LANDING SHALL EXTEND OUT 44" PERPENDICULAR TO THE DOOR IN THE CLOSED POSITION AND IF IT IS EQUIPPED WITH BOTH A CLOWER AND A LATCH, IT SHALL EXTEND 12" TO THE SIDE OF THE STRIKE.

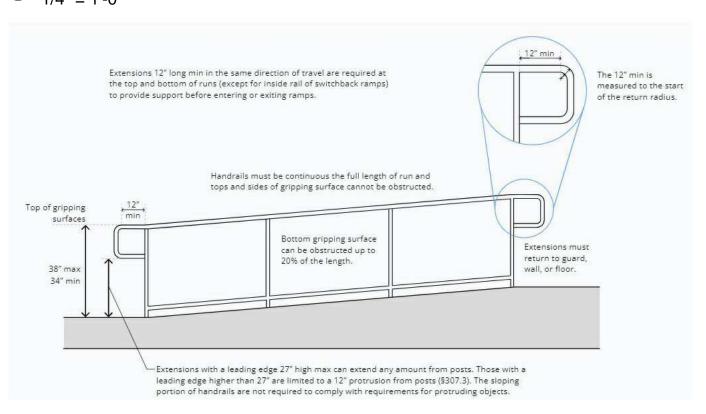




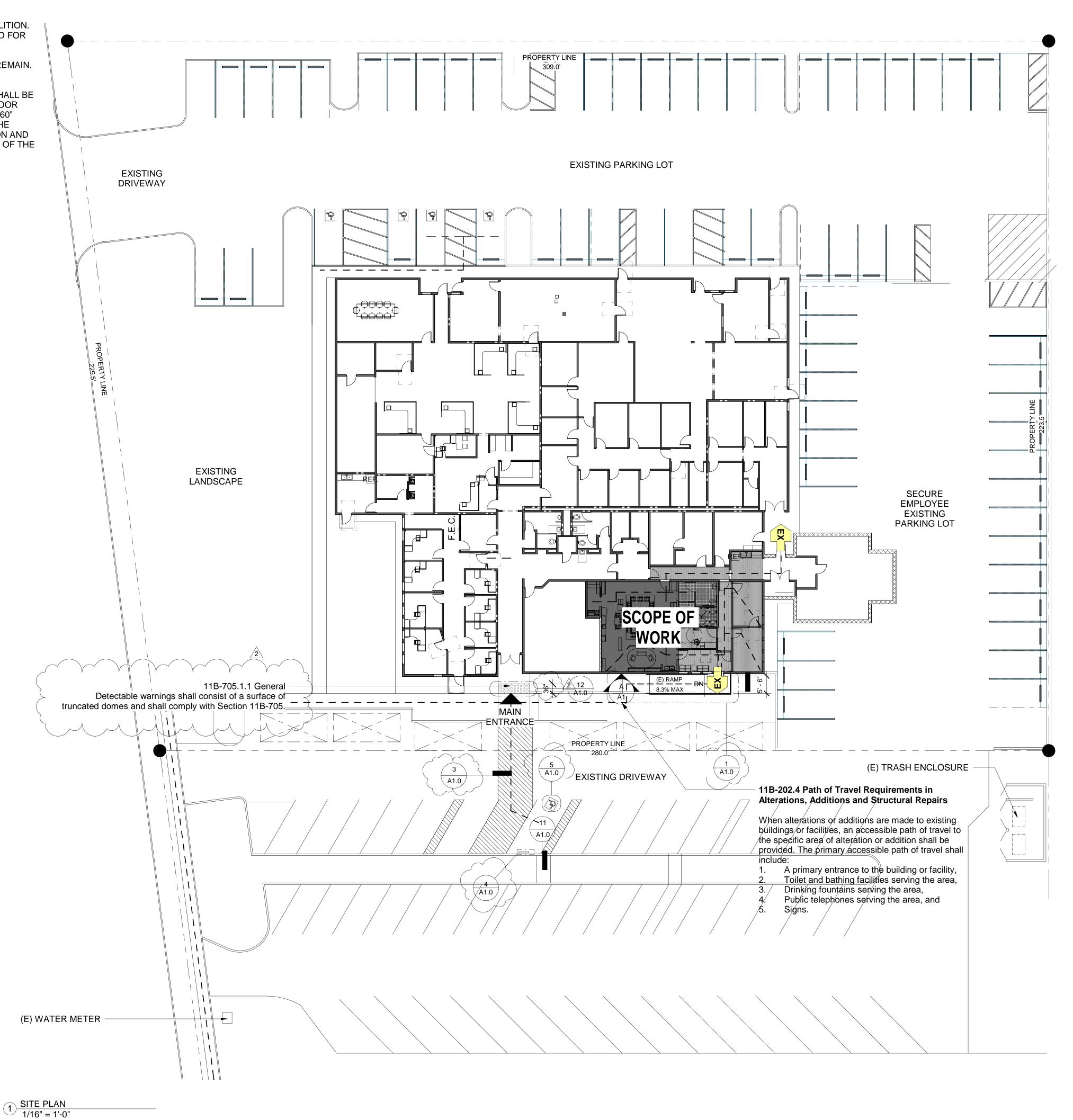


A Section "A"

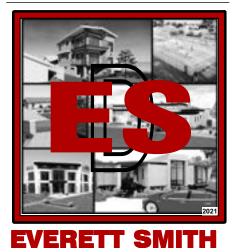
1/4" = 1'-0"



PATH OF TRAVEL IS A BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48 INCH WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:12 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. MAXIMUM CROSS-SLOPE 2% TYPICAL AND MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5% OR LESS, UNLESS OTHERWISE NOTED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHEAD OBSTRUCTIONS TO 80" MINIMUM (CBC 1133B.8.2) AND SIDE OBJECTS PROTRUDING GREATER THAN 4" INTO P.O.T. BETWEEN 27 AND 80 INCHES ABOVE THE FINISHED (CBC 1133B.8.6).





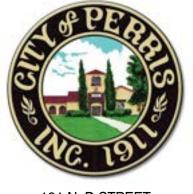


everett smith Designs, inc

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101 N. D STREET PERRIS, CA

ROJECT:

227 N D St suite A, Perris, CA 92570

> 227 N D ST. - EARLY CHIDLHOOD LEARNING

REVISIONS:

No.	Description	Date
1	CORRECTIONS	2023.10.14
2	Revision 2	2023.11.20
PROJI	ECT ADDRESS:	

227 N D St suite A, Perris, CA 92570

CLIENT NAME:

CITY OF PERRIS

Site Plan

N

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True North Compliance Services, Inc.

PLAN REVIEW APPROVAL

Areli Sanchez DATE: 12/06/2023

 Project number
 21-2155

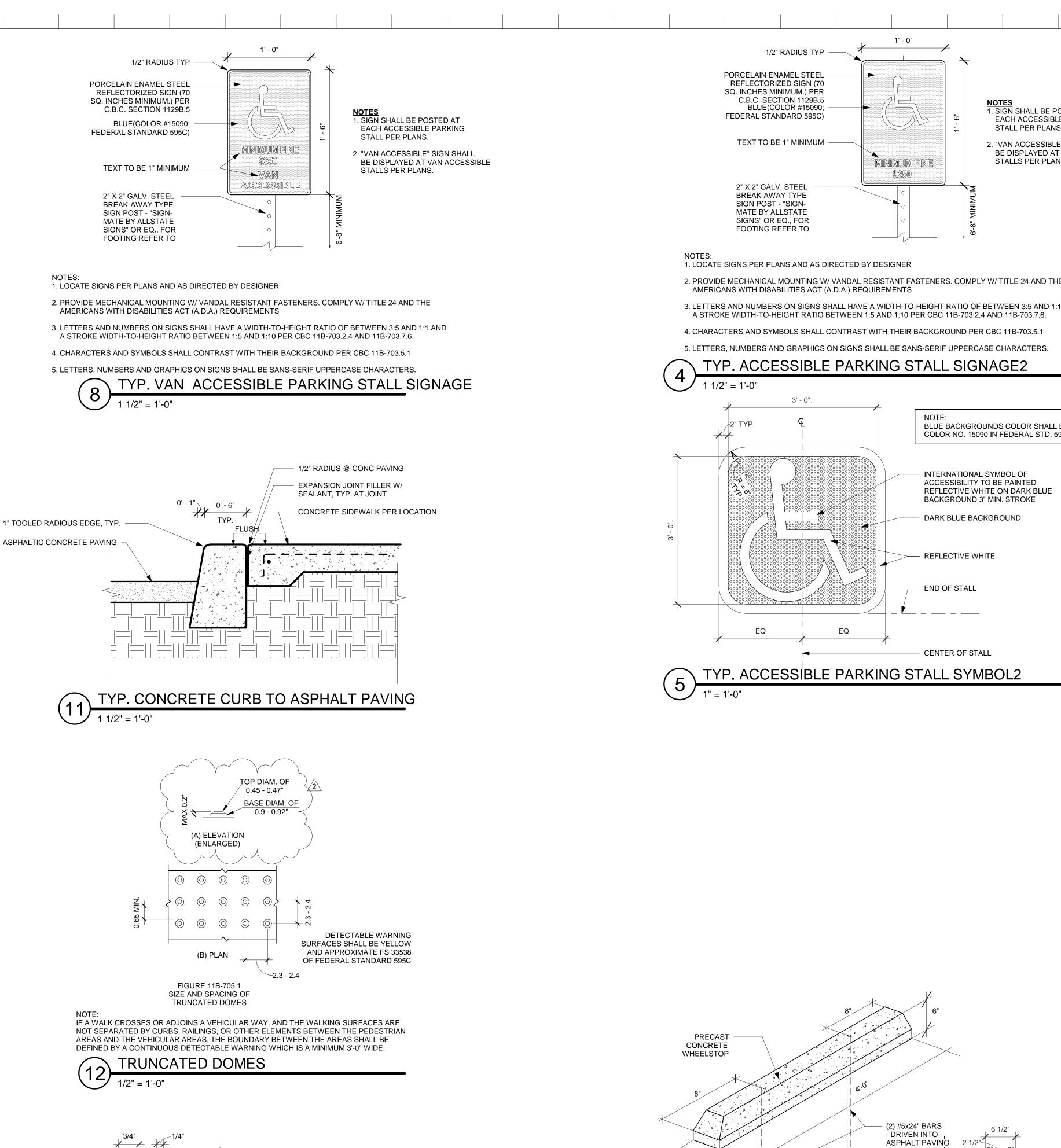
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 ES

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 ES

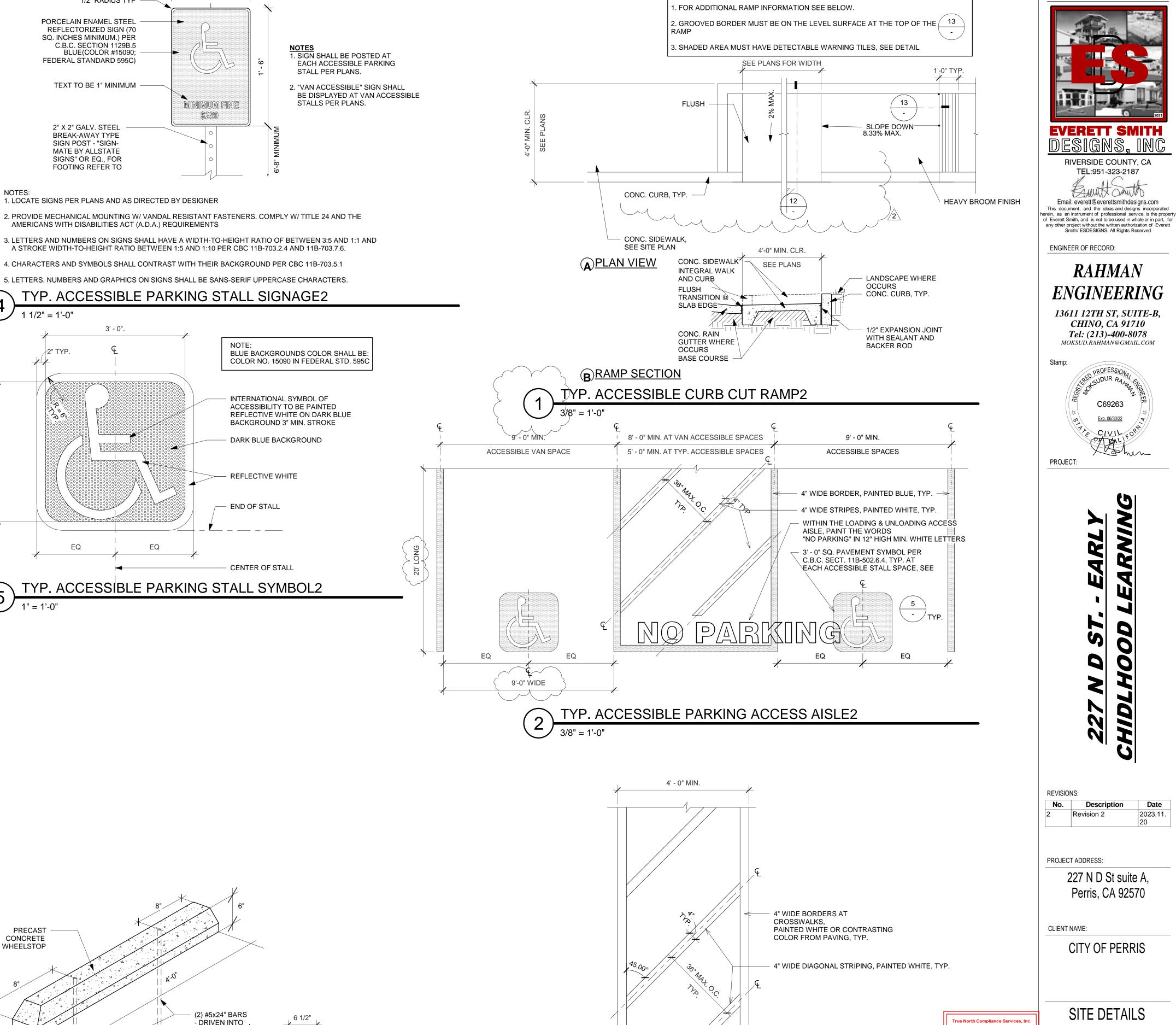
A1

ale As india



TYP. PRECAST CONCRETE WHEEL STOP2

1" = 1'-0"



(2) #5 REINFORCING BARS - FULL LENGTH OF WHEELSTOP

CITY OF PERRIS SITE DETAILS 21-2155 Project number 12/4/2023 8:47:40 AM Drawn by ES Checked by A1.0

2023.11.

PREPARED BY:

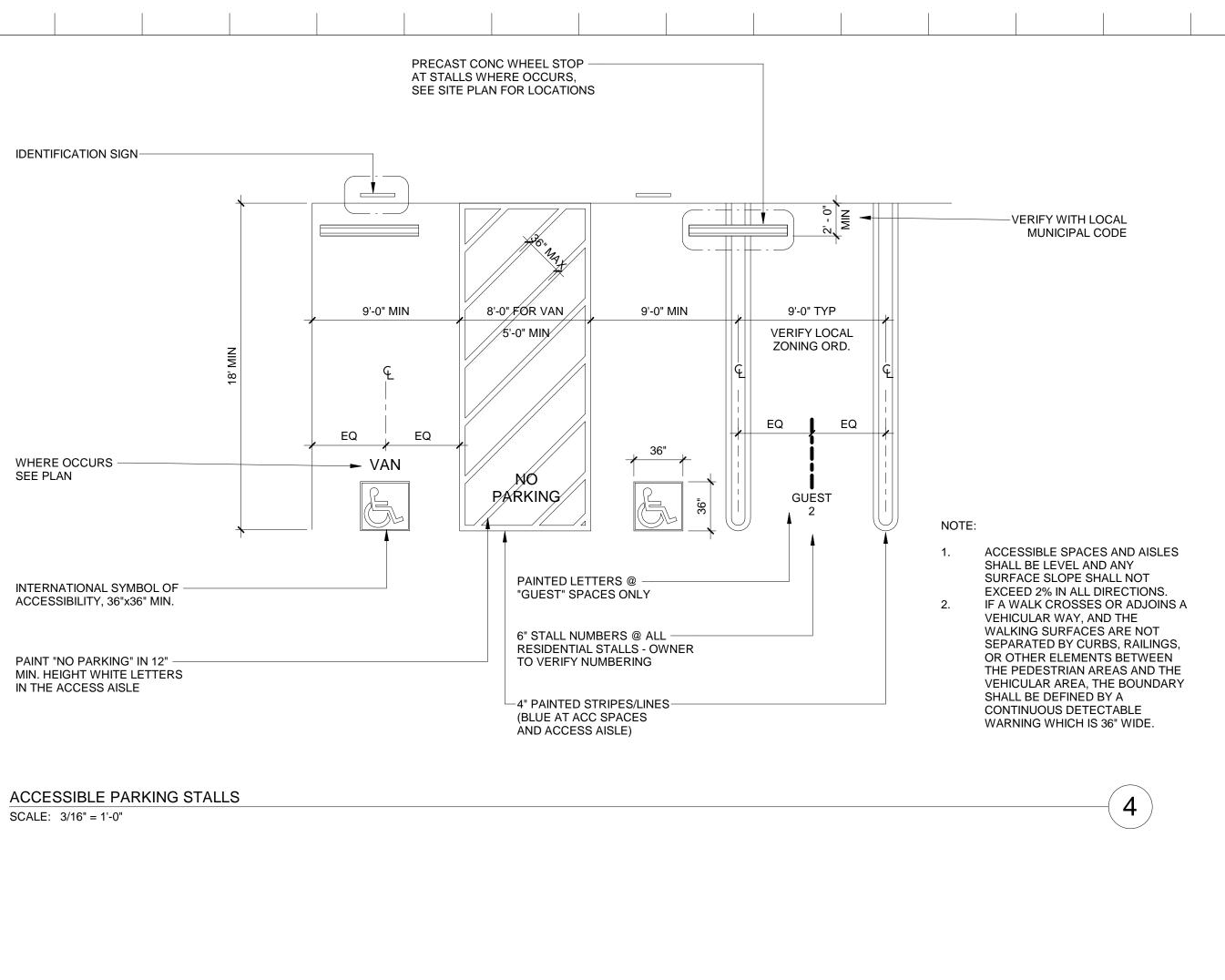
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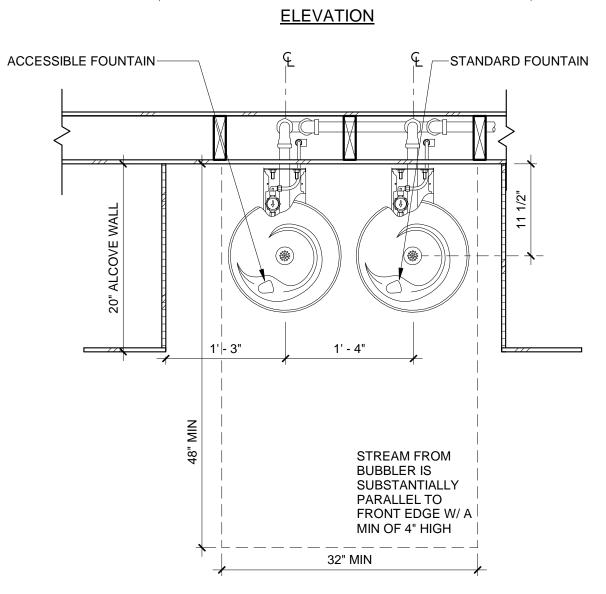
As indicated

Areli Sanchez DATE: 12/06/2023

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11B-602.6 WATER FLOW
THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MAXIMUM AND SHALL BE LOCATED 5" MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM. 11B-602.7 DRINKING FOUNTAINS FOR STANDING PERSONS
SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38" MIN. AND 43" MAX. ABOVE THE FINISH FLOOR OR GROUND. 11B-602.9 PEDESTRIAN PROTECTION
ALL DRINKING FOUNTAINS SHALL EITHER BE LOCATED COMPLETELY WITHIN ALCOVES, POSITIONED COMPLETELY BETWEEN WING WALLS, OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE PROTECTED AREA WITHIN WHICH A DRINKING FOUNTAIN IS LOCATED SHALL BE 32" WIDE MIN, AND 18" DEEP MIN, AND SHALL COMPLY WITH SECTION 11B-305.7. WHEN USED, WING WALLS OR BARRIERS SHALL PROJECT HORIZONTALLY AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" VERTICALLY FROM THE FLOOR OR GROUND SURFACE. 18" MIN STANDARD BUBBLER -SUPPLY TUBING (SUPPLIED) 1/2" IPS ACCESS. BUBBLER SCREWDRIVER STOP - (BY OTHERS) -1-1/4" IPS WASTE AND TRAP (BY OTHERS) 2" - 6" MAX WASTE BEND -(SUPPLIED) -MOUNTING FRAME -WALL FACE -FLOOR LINE **SECTION** BACK PANEL (SUPPLIED)--STANDARD FOUNTAIN 2' - 8" ACCESSIBLE FOUNTAIN-ACCESS PANEL-FLOOR LINE-**ELEVATION** STANDARD FOUNTAIN



<u>PLAN</u>

DUAL HEIGHT DRINKING FOUNTAIN SCALE: 1" = 1'-0"

Areli Sanchez DATE: 12/06/2023

3

True North Compliance Services, Inc.

PLAN REVIEW APPROVAL

THE ADDITIONAL SIGN SHALL **CLEARLY STATE IN LETTERS** WITH A MINIMUM HEIGHT OF 1 INCH (25 MM) THE FOLLOWING:

"UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT:

OR BY TELEPHONING

MIN 17"x22" SIZE SIGN WITH 1" HIGH BLOCK LETTERS (2A)

POST AT ENTRANCES TO OFF STREET PARKING FACILITIES

1/2" RAD. CORNERS TYP--PAINTED BORDER TYP -INTERNATIONAL SYMBOL OF ACCESSIBILITY

9"x9" 12"x12" - 60" A.F.F. WHEN WALL MTD.

POST AT ALL ACCESSIBLE PARKING SPACES.

ACCESSIBILITY **ACCESSIBLE** 36"x9" (FIELD VERIFY)

1. ALL LETTERS & SYMBOLS SPECIFIED ABOVE SHALL CONSIST OF A REFLECTIVE WHITE FIGURE ON A BLUE BACKGROUND ALL SIGNAGE TO COMPLY WITH ACCESSIBILITY TITLE 24 AND APPLICABLE CODES.

2. SEE DETAIL 6 ON THIS SHEET FOR POSTING HEIGHT.

4. ALL SIGNS TO HAVE 1/8" RAD. CORNERS MIN.

SIGN TYPES SCALE: 3" = 1'-0"

-REFLECTIVE PORCELAIN ENAMEL ON STEEL SIGN(S) W/ WHITE LETTERS (1" MIN HEIGHT) ÁND SYMBOLS ON A DARK BLUE BACKGROUND OR TEXT AND SIZES SEE DETAIL 3 THIS SHEET -2"x2" GALV. TUBE STEEL POST, PAINTED FINISHED SURFACE--CONC. FOOTING PER CIVIL

ACCESSIBILITY SIGNAGE

BLANK SPACES SHALL BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN.

> -INTERNATIONAL SYMBOL OF ACCESSIBILITY 12"x12"

POST AT VAN

ACCESSIBLE PARKING

SPACES

VAN-ACCESSIBLE

9"x3"

POST AT VAN ACCESSIBLE PARKING SPACES

MINIMUM FINE \$250.00 POST AT ACCESSIBLE PARKING SPACES

-INTERNATIONAL SYMBOL OF

3. ALL CHARACTERS ARE A PERMANENT PART OF THE SIGN.

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

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PREPARED BY:

EVERETT S

RIVERSIDE COUNTY, CA TEL:951-323-2187

Email: everett@everettsmithdesigns.com This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Everett Smith, and is not to be used in whole or in part, for any other project without the written authorization of Everett Smith/ ESDESIGNS. All Rights Reserved

ENGINEER OF RECORD:

RAHMAN

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



НІРГНОО LEARNIN ARL

REVISIONS: No. Description

227

PROJECT ADDRESS: 227 N D St suite A, Perris, CA 92570

CLIENT NAME:

CITY OF PERRIS

ACCESSIBILITY DETAILS FOR SITE AND SIGNAGE

21-2155 Project number Date 12/4/2023 8:47:40 AM Drawn by Author Checked by Checker



GENERAL NOTES

1. FOR DEMOLITION REQUIREMENTS REFER TO SHEET

DEMOLITION LEGEND



AREA OF EXISTING CEILING TILES TO BE REMOVED. PREPARE AND PAINT FOR NEW CEILNG TILES PER NEW WORK PLANS.



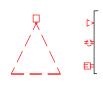
AREA OF EXISTING CEILING FINISH BE REMOVED. PROTECT, AND PREPARE STRUCTURE FOR NEW CEILNG FINISH PER NEW WORK PLANS.



REMOVE EXISTING LIGHTING FIXTURE AND PROVIDE NEW PER NEW WORK PLANS. SEE CONSULTANT PLANS FOR MORE INFORMATION.



REMOVE EXISTING HVAC FIXTURE AND PROVIDE NEW PER NEW WORK PLANS. SEE CONSULTANT PLANS FOR MORE INFORMATION.



REMOVE EXISTING ELECTRICAL / AUDIO-VIDEO COMPONENT AND PROVIDE NEW PER NEW WORK PLANS. SEE CONSULTANT PLANS FOR MORE INFORMATION.

SEE CONSULTANT PLANS FOR MORE INFORMATION ON BUILDING UTILITY DEMO AND PREP FOR NEW WORK.

GENERAL NOTES

FOR DEMOLITION REQUIREMENTS REFER TO SHEET **G012**

- REMOVE EXISTING INTERIOR ROOM IDENTIFICATION AND DIRECTIONAL SIGNAGE AND PROVIDE NEW IN PLACE.
- PREPARE ALL DOORS, WINDOWS, FRAMES AND SURFACES IN ROOMS WITH NEW FLOORING TO RECIEVE NEW FINISHES.
- PROTECT (E) WINDOW COVERINGS, REMOVE AND REINSTALL
- AFTER COMPLETED WORK.

PROTECT ALL (E) BUILDING STRUCTURE.



DEMOLITION LEGEND

AREA OF EXISTING FINISH FLOOR TO BE REMOVED. PROTECT AND PREPARE SUBFLOOR FOR NEW FLOORING PER NEW WORK PLANS.

EXISTING WALL TO REMAIN.

EXISTING WALL, OR PORTION OF TO BE DEMOLISHED.

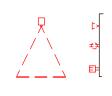
EXISTING WALL FINISH, OR PORTION OF TO BE DEMOLISHED. DASH INDICATES SIDE OF WALL TO BE DEMOLISHED. PROTECT AND PREPARE EXISTING WALL FRAMING AND SUBSTRATE TO RECIEVE NEW FINISH PER NEW WORK PLANS.



REMOVE EXISTING COUNTERTOPS/ BASE, UPPER AND ALL CASEWORK / LABWORK/ STORAGE AND GAS AND PLUMBING FIXTURES WITHIN THE CASEWORK .U.N.O. PREPARE & PATCH WALL/ FLOOR/ CEILING FOR INSTALLATION OF NEW CASEWORK PER NEW WORK PLANS.

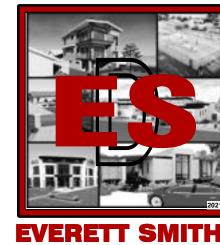


REMOVE EXISTING DOOR, DOOR FRAME, THRESHOLD AND HARDWARE.



REMOVE EXISTING ELECTRICAL / AUDIO-VIDEO COMPONENT AND PROVIDE NEW PER NEW WORK PLANS. SEE CONSULTANT PLANS FOR MORE INFORMATION.

PREPARED BY:



RIVERSIDE COUNTY, CA TEL:951-323-2187

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101 N. D STREET PERRIS, CA

PROJECT:

227 N D St suite A, Perris, CA 92570

REVISIONS: No. Description PROJECT ADDRESS:

> 227 N D St suite A, Perris, CA 92570

CLIENT NAME:

True North Compliance Services, Inc

PLAN REVIEW APPROVAL

Z:\Shared\Everett Smith Designs___ES Design Jobs\21-2155 227 Building Early Childhood Classroom & Offices\21-2155 227 Building Early Childhood 2023.11.20.rte

CITY OF PERRIS

Demo Plan

THESE PLANS/DOCUMENTS HAVE BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING STANDARDS CODES AS ADOPTED BY THE STATE OF CALIFORNIA AND AMENDED BY THE JURISDICTION. PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, NOR LOCAL REGULATION. BY:

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Checked by

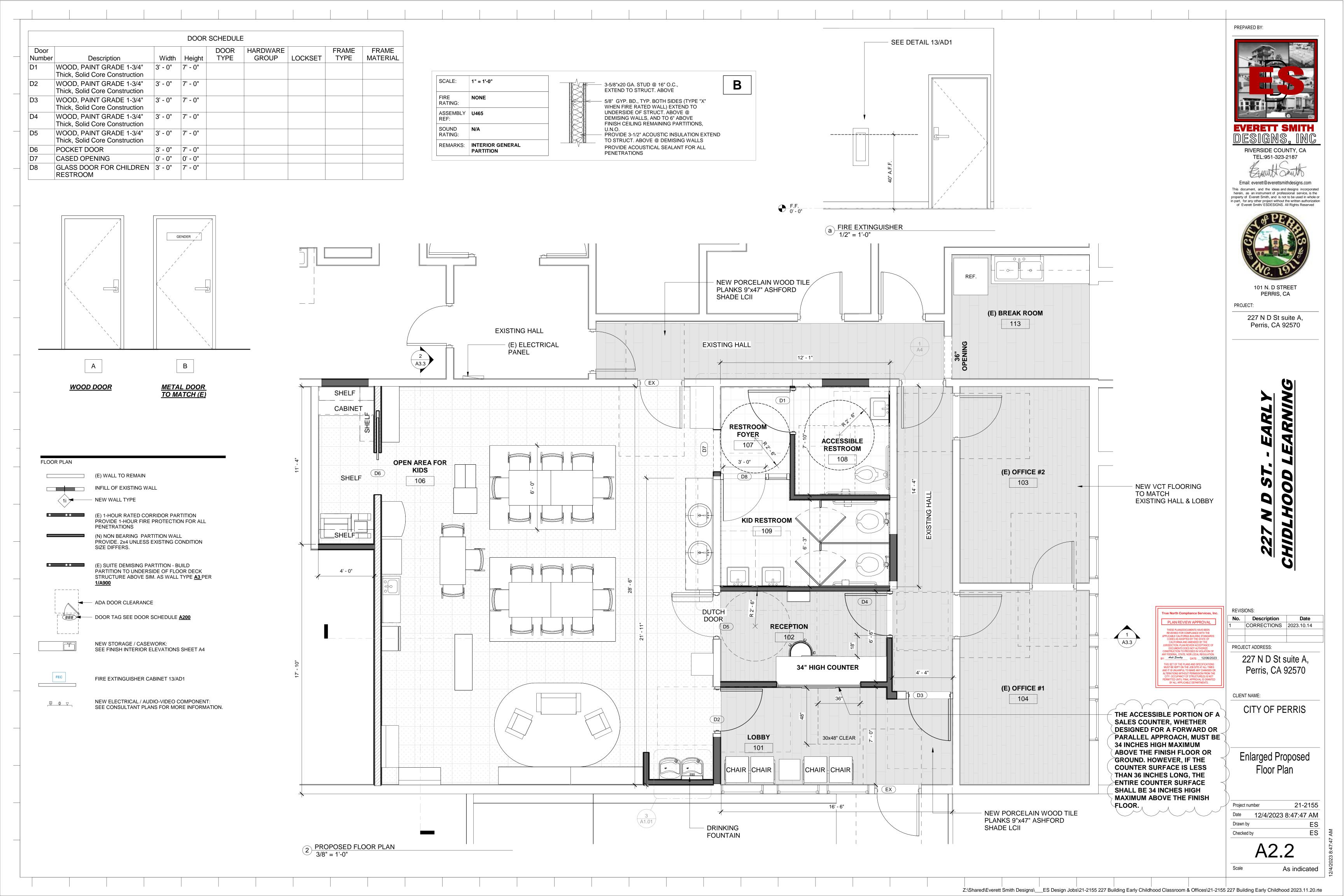
As indicated

ES



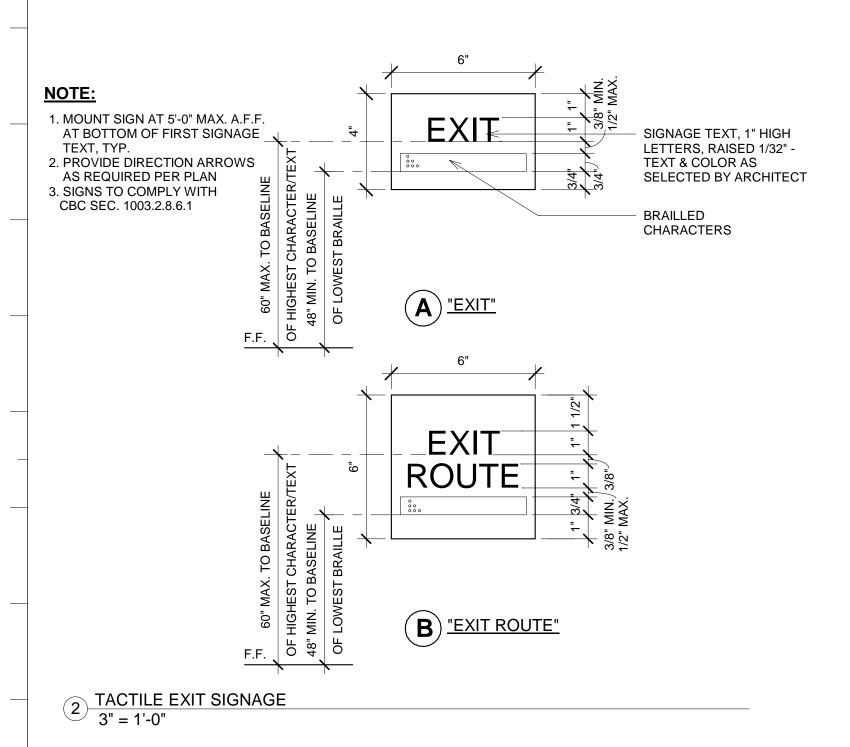
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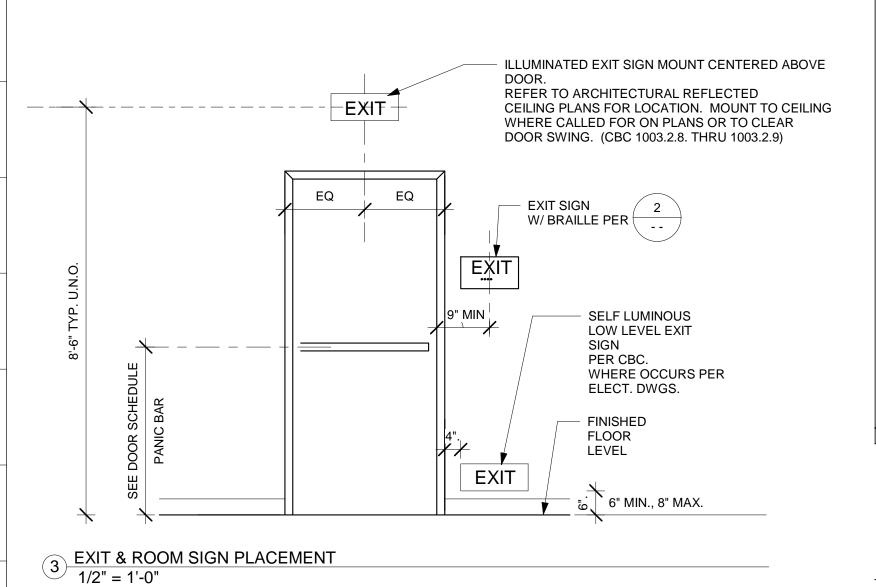
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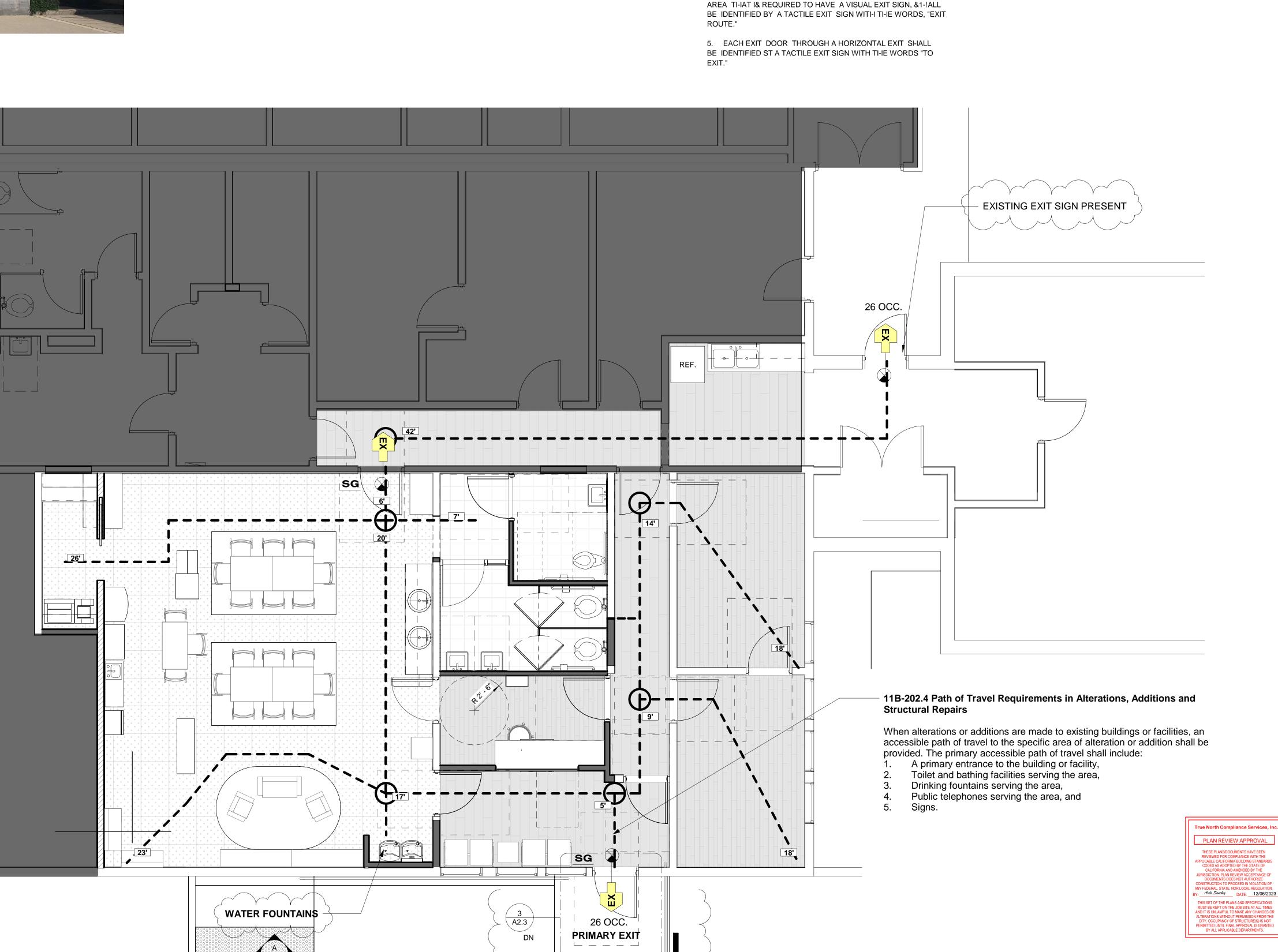


EXISTING ADA RAMP WITH (E) DETECTABLE WARNINGS





1 ACCESSIBILITY PLAN
1/4" – 1' 0"



△ EXIT PLAN NOTES

COMPLIES WITH C.B.C.

FOLLOWING WORDS:

A. EXIT STAIR DOWN"

B. "EXIT RAMP DOWN"
C. "EXIT STAIR UP"
D. "EXIT RAMP UP"

CONTRACTOR TO PROVIDE TACTILE EXIT SIGNAGE THAT

SECTION 1011.3 AT TI-IE FOLLOWING LOCATIONS WITI-I THE

I. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT."

GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE

3. 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

PASSAGEWAY, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN

4. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR

2. EACH EXIT DOOR THAT LEAD& DIRECTLY TO A

FOLLOWING WORDS AS APPROPRIATE:

WITH THE WORDS "EXIT ROUTE."

PREPARED BY:

SG TACTILE 'EXIT' SIGN

TACTILE 'EXIT

ROUTE' SIGN

DOWN' SIGN

TACTILE 'EXIT STAIRS

TACTILE 'NOT AN EXIT'

← ← PRIMARY EXIT

204 ROOM NUMBER

EXIT SIGN

EQUAL

EXIT NUMBER

ILLUMINATED EXIT

PANIC HARDWARE

DIRECTIONAL ILLUMINATED

VON DUPRIN-35A-NL-OP OR

2021

EVERETT SMITH DESIGNS, INC

RIVERSIDE COUNTY, CA TEL:951-323-2187

Email: everett@everettsmithdesigns.com

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101 N. D STREET PERRIS, CA

JECT:

227 N D St suite A, Perris, CA 92570

> 227 N D ST. - EARLY CHIDLHOOD LEARNING

REVISIONS:

No. Description Date

1 CORRECTIONS 2023.10.14

PROJECT ADDRESS:

227 N D St suite A, Perris, CA 92570

CLIENT NAME:

CITY OF PERRIS

Code Accessibility

Project number 21-2155

Date 12/4/2023 8:47:54 AM

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A2.3

As indicated

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09 21 16 GYPSUM BOARD ASSEMBLIES CODE SPECIFICATION DESCRIPTION GB-1 09 29 00 MANUFACTURER UNITED STATES GYPSUM (USG) NON-RATED: USG REGULAR **EDGE** SW TAPERED THICKNESS: MANUFACTURER UNITED STATES GYPSUM (USG) GB-X 09 29 00 TYPE USG FIRECODE CORE (TYPE X) **EDGE** SW TAPERED THICKNESS 09 91 00 INTERIOR PAINTING CODE
PT-1SPECIFICATION
09 91 23DESCRIPTION
MANUFACTURE **DUNN EDWARDS** COLOR (SEE CITY FOR FINAL CHOICE) EGGSHELL CUSTOM COLORS FOR ARTISTIC FEATURES PT-2 COLOR PT-3 COLOR SPECIAL ARTISTIC DESIGN (FINAL DETAILS TO DISCUSS) **EGGSHELL** 09 65 00 RESILIENT SHEET FLOORING BASE AND ACCESSORIES CODE SPECIFICATION DESCRIPTION VB-1 09 FLEXCO MANUFACTURER TP BASE 2000 (B2-036) TYPE VINYL 1/8" OR 0.080" FLEXTONES SERIES COLOR 036 GREY SIZE 4 in. x .080 in. x 48 in **PROFILE** FLEXCO STOCKING COVE BASE CV-1 MANUFACTURER DALTILE - S3619TN COLORFUL (VERIFY WITH CITY) (CHILDREN RESTROOM BLUE COLOR TILES) (ADA RESTROOM WHITE TILES) TYPE Wall TRIM - 6" x 6" ASANITARY COVE BASE SLIM FOOT PROFILE & SIZE 6x6 SLIM FOOT 3/8" COVE BASE WALL COVERING CODE SPECIFICATION **DESCRIPTION** MANUFACTUR... DALTILE TILE WALL 60" HIGH RESTROOM COLOR MULTI-COLOR / COLORFUL TYPE Color Wheel Collection - Linear SIZE WAINSCOTTING 60" HIGH: 4-1/4 X 8-9/16 WC-I WALL VINYL / STICKERS WALL VINYL / STICKERS (SEE RENDERINGS FOR.. 09 65 00 RESILIENT SHEET FLOORING CODE SPECIFICATION DESCRIPTION FL-1 EXISTING HALL &... MANUFACTURER TRUEWOOD CREAM WOOD PLAN PORC TRUEWOOD PLANK 9"X47", PART# 32BX COLOR FL-2 OFFICE &... TBD VCT OR LVT (MATCH COLORS OF HALLWAY) FL-3 RESTROOMS MANUFACTURER DALTILES MOSAIC WALL TILES & TILE FLOORING COLOR TBD SIZE TBD FL4 KIDS AREA PREMIUM COMPACT & COMFORT GERFLOR (PREMIUM COMPACT & COMFORT) 4002 MANUA 09 51 00 ACOUSTICAL CEILINGS CODE SPECIFICATION DESCRIPTION ARMSTRONG ACT-1 09 51 00 MANUFACTURER ULTIMA SERIES ITEM# ANGLED TEGULAR 15/16 EDGE SIZE 24" X 48" X 3/4" COLOR **FACTORY FINISH - WHITE** GRID 15/16" ARMSTRONG 7500 EXPOSED T-GRID SYSTEM -.. ARMSTRONG ACT-2 09 51 00 MANUFACTURER SERIES ULTIMA ITEM# **EDGE** ANGLED TEGULAR 15/16 FACTORY FINISH - WHITE COLOR GRID 15/16" ARMSTRONG 7500 EXPOSED T-GRID SYSTEM -.. MANUFACTURER GYPSUM BOARD 06 41 00 PLASTIC-LAMINATE-FACED ARCHITECTURAL CASEWORK HOME DEPOT (MATCH EXISTING) MANUFACTURER HIGH PRESSURE LAMINATED PLASTIC SERIES SERIES COLOR PL-2 CABINET FACES MANUFACTURER (MATCH EXISTING) SERIES HIGH PRESSURE LAMINATED PLASTIC SERIES COLOR

	ΛE	FLOOR	BASE		WAI	LS		CEILINGS		OM ROOM		
9	ROOM NAME			NORTH		SOU TH	WEST					
ROOM No.	ROOL	FINISH	FINISH	FINISH	FINISH	FINISH	FINISH	FINISH	ROOM AREA			ROOM WALL AREA
101	LODDY	F1 4	\ D 4	DT 4	DT 4	DT 4	DT 4		110.05	471 011	10	470 4
101	LOBBY	FL-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	112 SF	47' - 3"	10	472' - 1"
102	RECEPTION	FL-2	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	77 SF	36' - 9"	9	330' - 9"
103	(E) OFFICE #2	FL-2	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	131 SF	46' - 8"	9	420' - 4"
104	(E) OFFICE #1	FL-2	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	129 SF	46' - 4"	9	417' - 4"
105	HALL	FL-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	90 SF	52' - 4"	9	471' - 0"
106	OPEN AREA FOR KIDS	FL-4	VB-1	PT-1 / WC-I	PT-1 / WC-I	PT-1 / WC-I	PT-1 / WC-I	GB / PT-2	674 SF	108' - 5"	10	1084' - 2"
107	RESTROOM FOYER	FL-3	VB-1	PT-3	PT-3	PT-3	PT-3 /WC	GB / PT-2	32 SF	22' - 11"	9	205' - 11"
108	ACCESSIBLE RESTROOM	FL-3	VB-1	PT-3 /WC	PT-3 /WC	PT-3 /WC	PT-3 /WC	GB / PT-2	53 SF	29' - 3"	9	262' - 11"
109	KID RESTROOM	FL-3	VB-1	PT-3 /WC	PT-3 /WC	PT-3 /WC	PT-3 /WC	GB / PT-2	84 SF	39' - 11"	9	359' - 1"
110	COPY AREA	FL-4	VB-1	PT-1	PT-1	PT-1	PT-1	GB / PT-2	45 SF	30' - 7"	9	275' - 3"
111	(E) HALL	FL-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	104 SF	58' - 3"	9	523' - 11"
112	(E) HALL	FL-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	100 SF	44' - 8"	9	402' - 0"
113	(E) BREAK ROOM	FL-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	88 SF	37' - 6"	9	337' - 10"

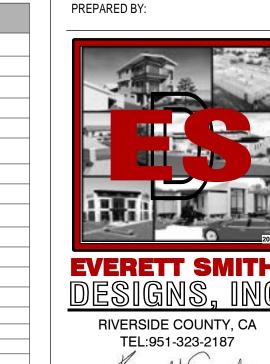
FINISH NOTES:

- TROWEL FINISH WALLS TO MATCH OTHER ADJACENT SUITE AND OTHER SIDE OF BUILDING
- EXISTING BASE BOARDS TO BE FINISHED TO MACTH COLOR OF (N) TENANT IMPROVEMENT.
- INCLUDE REQUIRED SUBSTRATE UNDER ALL FLOORING
- DOORS TO MATCH LOOK OF ADJACENT SUITE. STAINING MAYBE NEEDED. SPEAK WITH CITY FOR FINAL DETAILS.

PROPOSED FINISH PLAN
3/8" = 1'-0"

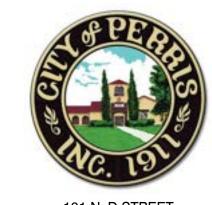
CODE	LOCATION	<u>MANUFACTURER</u>	
KGC-1	KIDS AREA	KAPLAN INC.	GREEN LEAF CARPET
KGC-2	KIDS AREA	KAPLAN INC.	GREAN LEAF OVAL
KC-1	KIDS AREA	KAPLAN INC.	KAPLAN CHAIR
KC-2	KIDS AREA	KAPLAN INC.	KAPLAN SOFA
KP-1	KIDS AREA	KAPLAN INC.	ISLAND
KP-2	KIDS AREA	KAPLAN INC.	STOOL
KP-3	KIDS AREA	KAPLAN INC.	STORAGE
KP-4	KIDS AREA	KAPLAN INC.	ARMOIRE
KP-5	KIDS AREA	KAPLAN INC.	KITCHEN
KP-6	KIDS AREA	KAPLAN INC.	FRIDGE
KP-7	KIDS AREA	KAPLAN INC.	BOOKCASE
KP-8	KIDS AREA	KAPLAN INC.	LOCKERS
KP-9	KIDS AREA	KAPLAN INC.	STORAGE
KP-10	KIDS AREA	KAPLAN INC.	KAPLAN [5113-NT] & KAPLAN [84698-ST]
KP-11	KIDS AREA	KAPLAN INC.	CURIO STORAGE
TS1	KIDS AREA	PER CLIENT TBD.	TEACHER STORAGE
TS2	KIDS AREA	PER CLIENT TBD.	LOCK CABINET
TS3	KIDS AREA	PER CLIENT TBD.	SUPPLY CABINET

FURNITURE SCHEDULE



Email: everett@everettsmithdesigns.com

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101 N. D STREET PERRIS, CA

PROJECT:

227 N D St suite A, Perris, CA 92570

> 27 N D ST. - EARLY DLHOOD LEARNING

REVISIONS:

No. Description Date

PROJECT ADDRESS:

227 N D St suite A,

227 N D St suite A, Perris, CA 92570

CLIENT NAME:

CITY OF PERRIS

Finish Plan & Furniture
Plan

 Project number
 21-2155

 Date
 12/4/2023 8:48:09 AM

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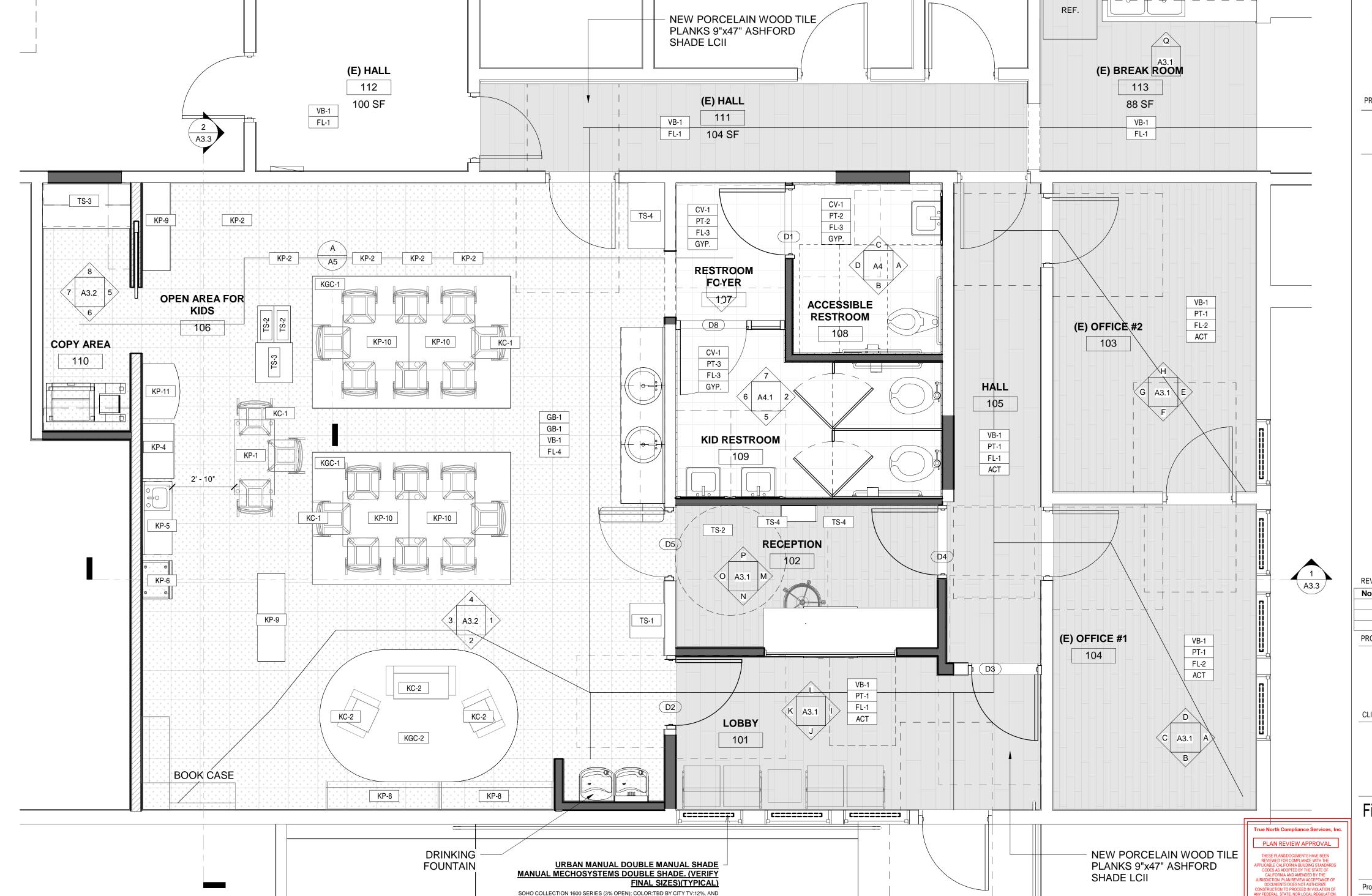
3/8" = 1'-0"

Scale

THE DIMENSIONS WILL NEED TO BE VERFIED, THIS IS NOT AN ASBUILT DESIGN. WALL FINISHES AND SIZE MAY DIFFER FROM EXISTING CONDITIONS.

IEED TO BE VERFIED, THIS IS NOT ILL FINISHES AND SIZE MAY DIFFER IONS.

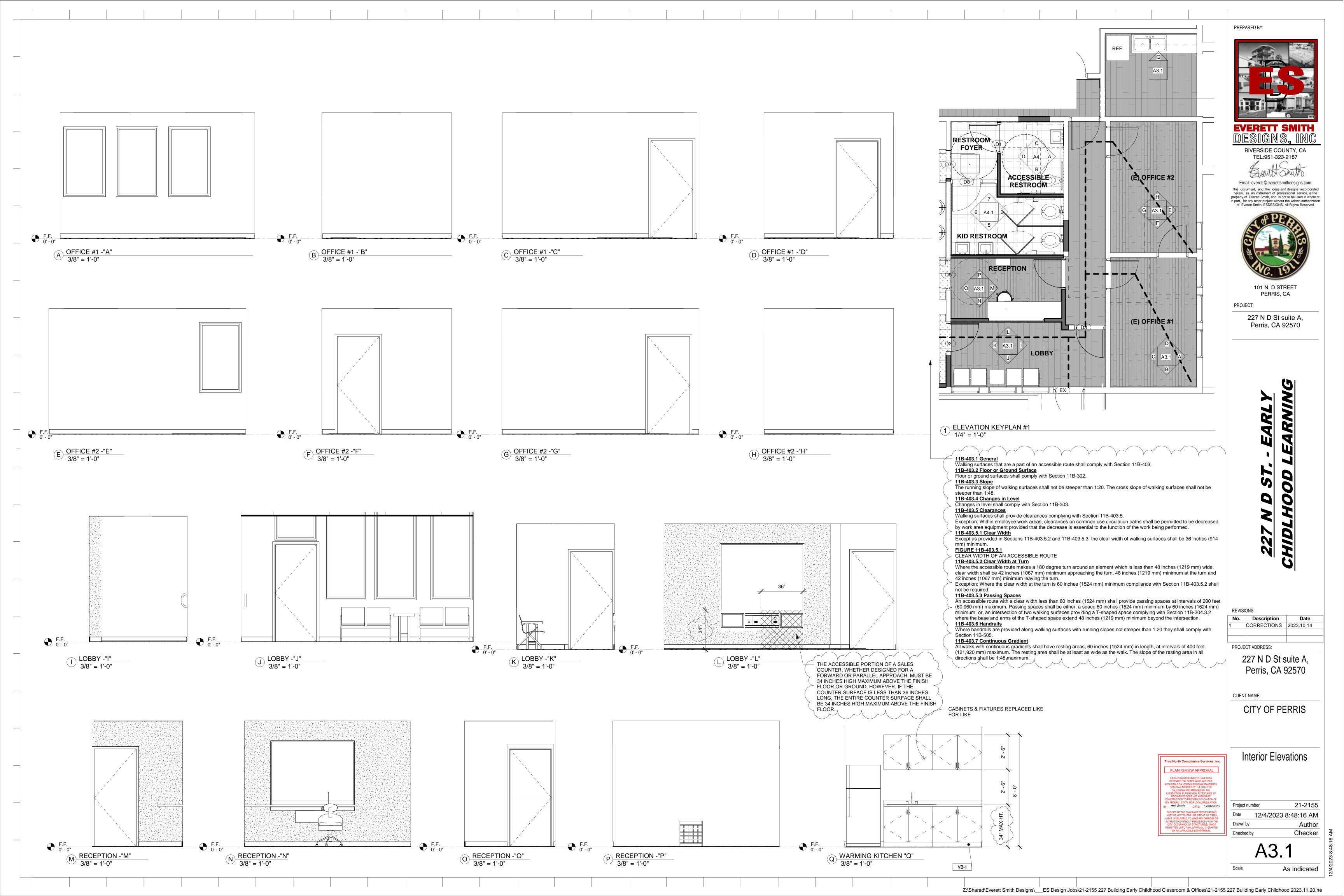
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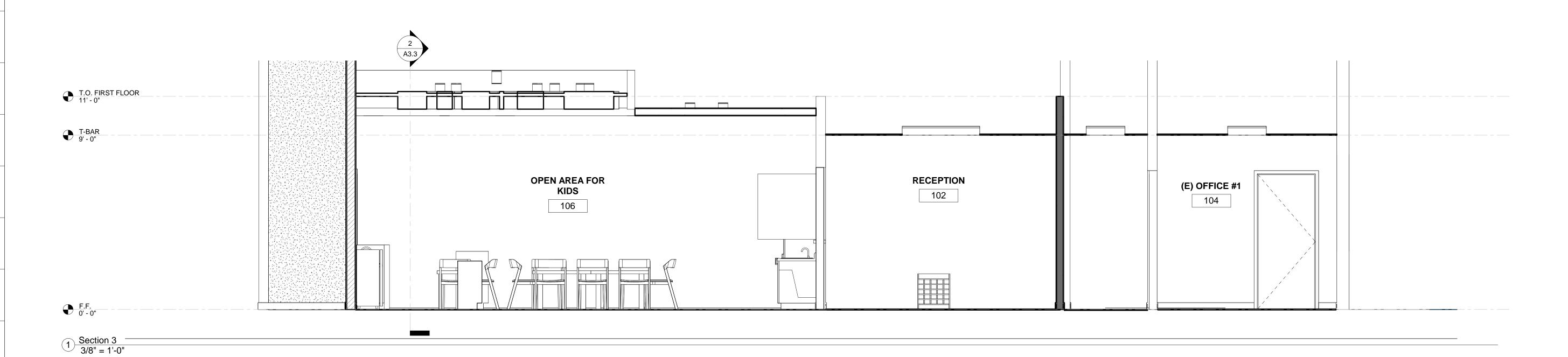
MIDNIGHT B/O 0211 CHALK. INCLUDES FASCIA (CITY TO SELCT COLOR), END

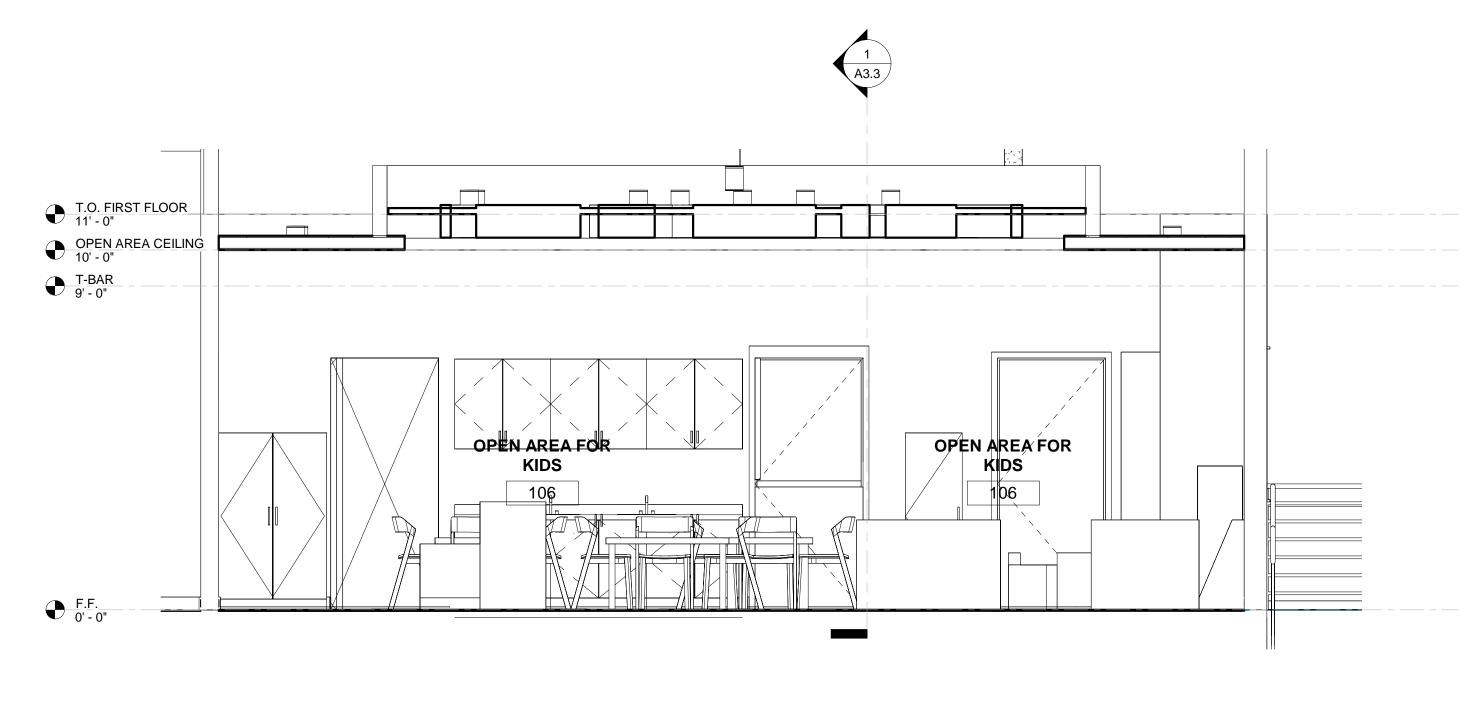
(7 LOCATIONS, CONTRACTOR TO VERIFY WITH CITY)

CAPS (CITY SELECT COLOR), ETC.









2 Section 4 3/8" = 1'-0"



101 N. D STREET PERRIS, CA

PROJECT:

227 N D St suite A, Perris, CA 92570

REVISIONS: PROJECT ADDRESS:

> 227 N D St suite A, Perris, CA 92570

CLIENT NAME:

True North Compliance Services, Inc.

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CITY OF PERRIS

Sections

21-2155 Project number Date 12/4/2023 8:48:27 AM Drawn by

Checked by

3/8" = 1'-0"

Author Checker

A3.3

11B-603.1 GENERAL

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

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 ENCROACH INTO THE TURNING SPACE WITHOUT LIMITATION. OTHER THAN DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS, A DOOR, IN ANY POSITION SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE BY 12 INCHES (305 MM) MAXIMUM.

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.

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.

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.

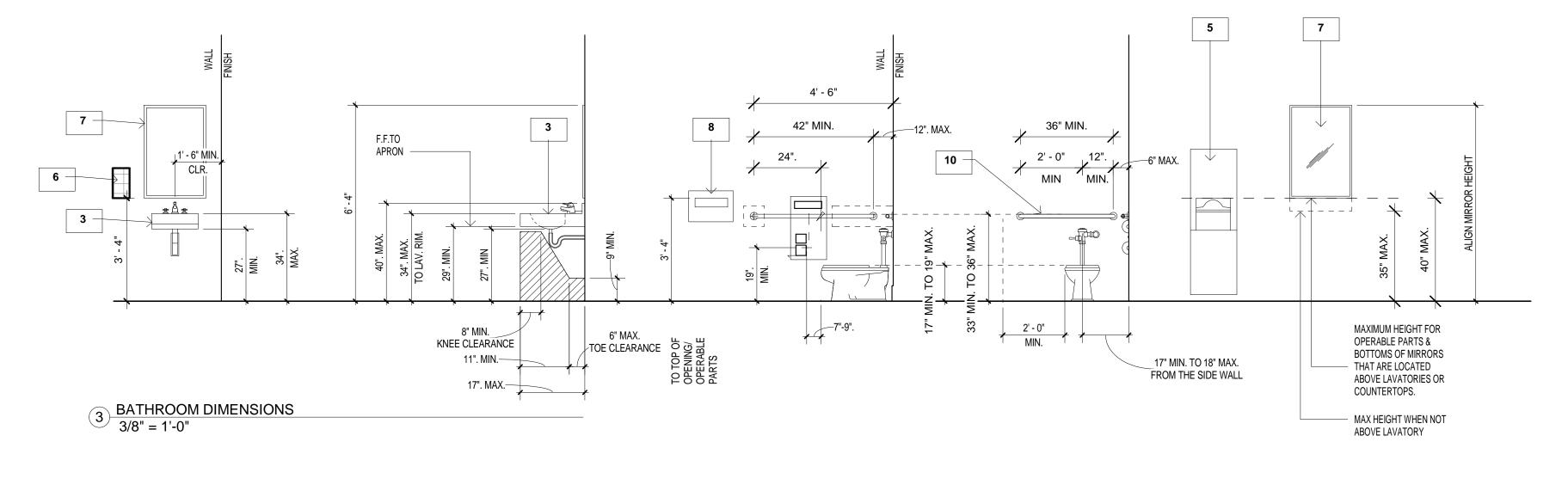
11B-604.6 FLUSH CONTROLS

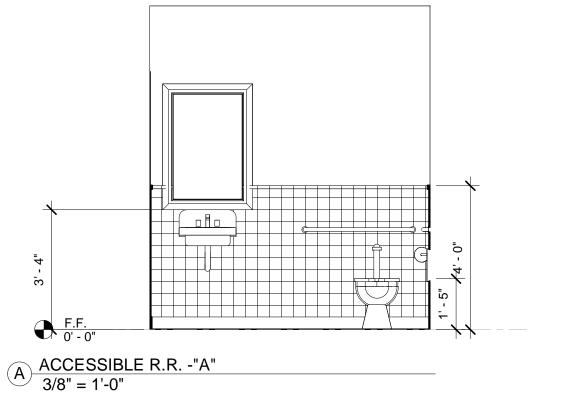
FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 EXCEPT THEY SHALL BE LOCATED 44 INCHES (1118 MM) MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS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

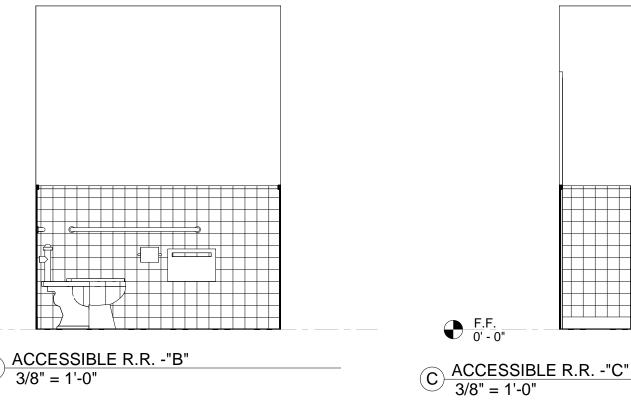
11B-604.7.2 DISPOSAL UNITS

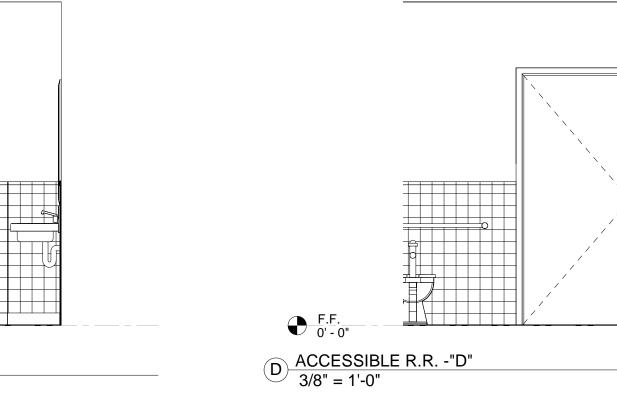
SANITARY NAPKIN DISPOSAL UNITS, IF PROVIDED, SHALL COMPLY WITH SECTION 11B-309.4 AND SHALL BE WALL MOUNTED AND LOCATED ON THE SIDEWALL BETWEEN THE REAR WALL OF THE TOILET AND THE TOILET PAPER DISPENSER, ADJACENT TO THE TOILET PAPER DISPENSER. THE DISPOSAL UNIT SHALL BE LOCATED BELOW THE GRAB BAR WITH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

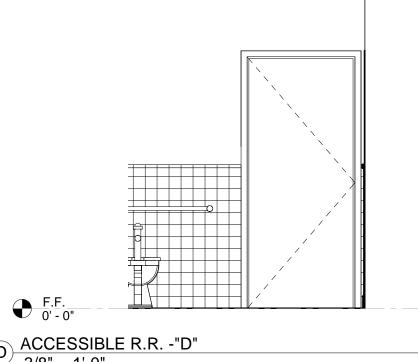
	ITEM	PRODUCT	COMMENTS
1	WATER CLOSET	AMERICAN STANDARD - 3451.660 MADERA 15" HEIGHT 1.6 GPF FLUSHOMETER TOILET	ADA ACCESSIBLE, VERIFY SPECS. WITH CITY
2	URINAL	N/A	ADA ACCESSIBLE, VERIFY SPECS. WITH CITY
3	LAVATORY AND FAUCET (WALL MOUNTED)	AMERICAN STANDARD - DECORUM 21"x20-1/4" WALL HUNG LAVATORY. 9134001EC (CENTER HOLE ONLY)	ADA ACCESSIBLE, VERIFY SPECS. WITH CITY
4	FAUCET	AMERICAN STANDARD PARDIGM SELECTRONIC INTEGRATED PROXIMITY LAVATORY FAUCET	ADA ACCESSIBLE, VERIFY SPECS. WITH CITY
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
		BACK: BOBRICK (or equal) B-6806 x 36"	STAINLESS - CONCEALED MOUNTING,1 1/2" die CAPABLE OF 250 LBS LOAD MIN
10	GRAB BARS	SIDE: BOBRICK (or equal) B-6806 X 42"	





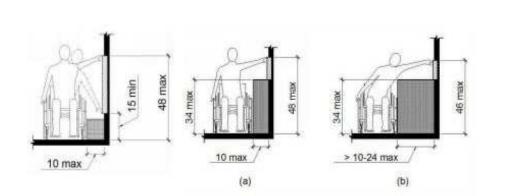


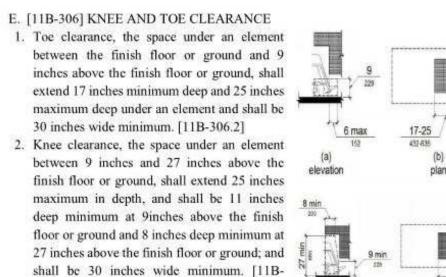


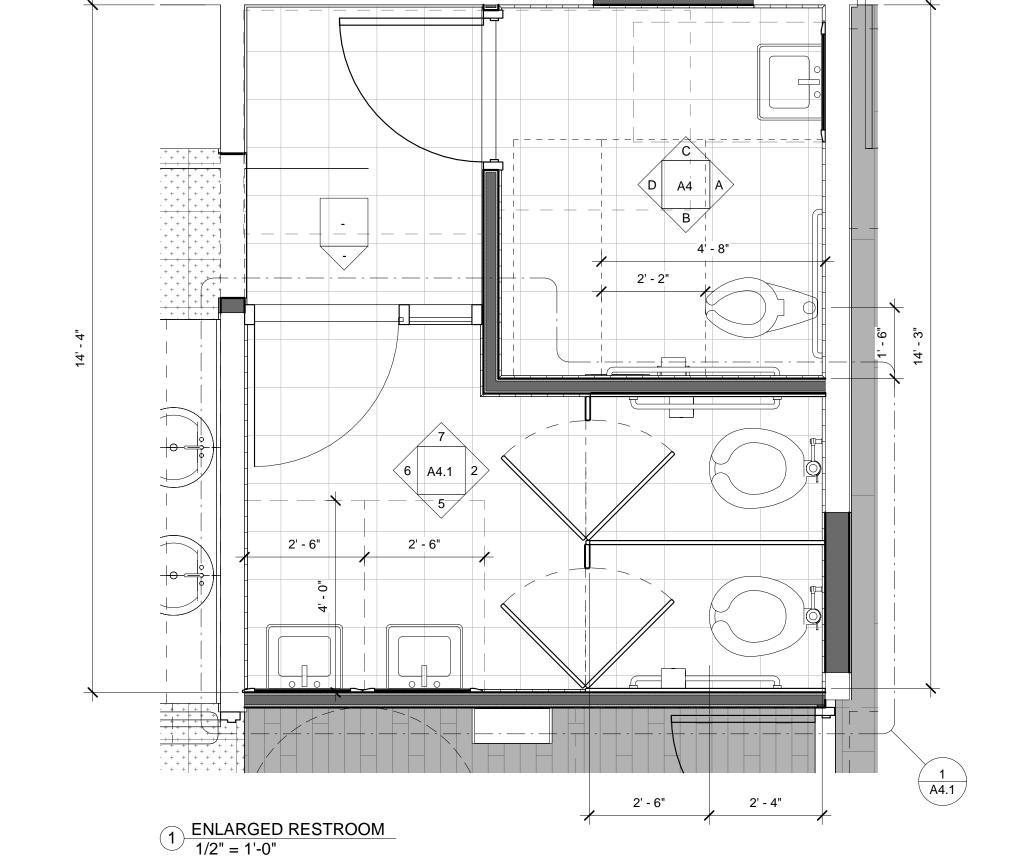


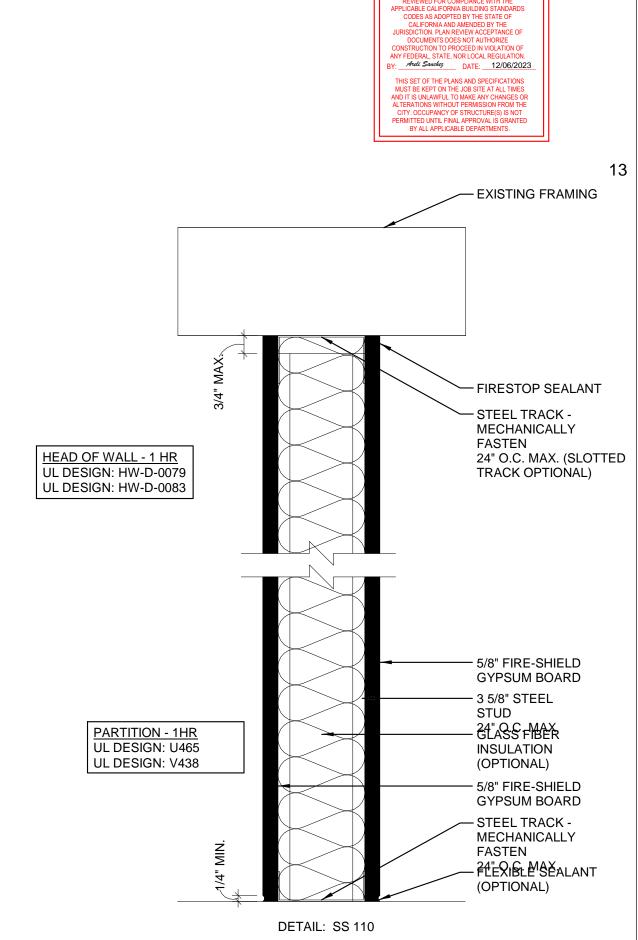
F. [11B-308] REACH RANGES

- 1. Where forward reach is unobstructed, the high forward reach shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above the finish floor or ground. [11B-308.2.1]
- 2. Where forward reach is obstructed, the high forward reach shall be 48 inches maximum where the reach depth is 20 inches maximum; the high forward reach shall be 44 inches maximum where the reach depth exceeds 20 inches and 25 inches maximum. [11B-308.2.2]
- 3. Where side reach is unobstructed, the high side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the finish floor or ground.





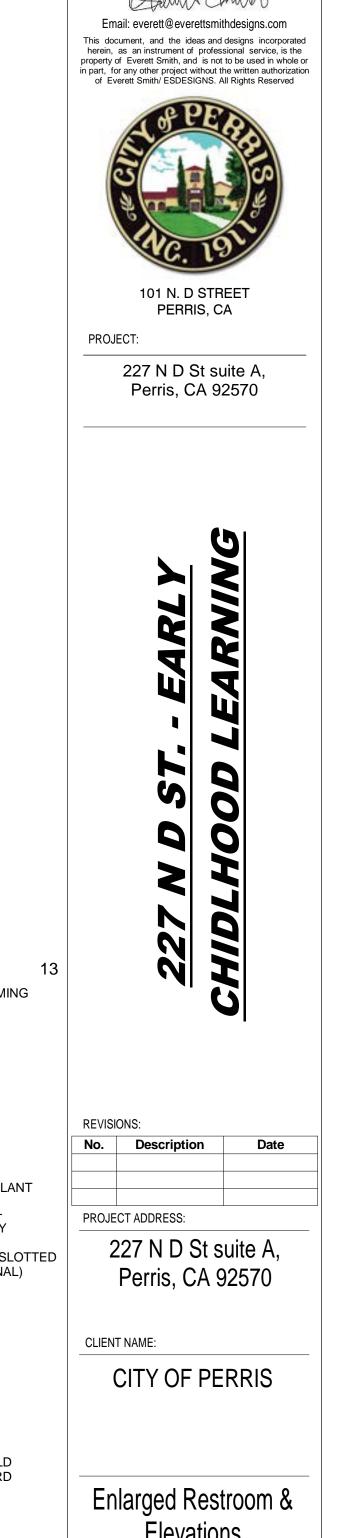




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2 1-HOUR PARTITION 3" = 1'-0"

PLAN REVIEW APPROVAL



PREPARED BY:

EVERETT SMITH

RIVERSIDE COUNTY, CA

TEL:951-323-2187

Elevations

Project number 21-2155 Date 12/4/2023 8:48:32 AM Drawn by ES Checked by

A4

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 ENCROACH INTO THE TURNING SPACE WITHOUT LIMITATION. OTHER THAN DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS, A DOOR, IN ANY POSITION SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE BY 12 INCHES (305 MM) MAXIMUM.

<u>11B-603.3 MIRRORS</u>

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.

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.

3/8" = 1'-0"

COMMENTS

ADA ACCESSIBLE, VERIFY SPECS. WITH CITY

ADA ACCESSIBLE, VERIFY SPECS. WITH CITY

ADA ACCESSIBLE, VERIFY SPECS. WITH CITY

SURFACE MOUNTED, STAINLESS STEEL

VERIFY SPECIFICATIONS WITH CITY

VERIFY SPECIFICATIONS WITH CITY

VERIFY SPECIFICATIONS WITH CITY

CAPABLE OF 250 LBS LOAD MIN

STAINLESS - CONCEALED MOUNTING,1 1/2" dim.

AMERICAN STANDARD - 3451.660 MADERA | ADA ACCESSIBLE, VERIFY SPECS. WITH CITY

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

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.

<u>11B-604.5.2 REAR WALL</u>

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

ITEM

WATER CLOSET

LAVATORY AND

TOWEL DISPENSERS

TOILET SEAT COVER

FAUCET (WALL

MOUNTED)

AND WASTE

RECEPTACLE

LIQUID SOAP DISPENSER

DISPENSER

GRAB BARS

MIRROR

FAUCET

URINAL

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.

PRODUCT

15" HEIGHT 1.6 GPF FLUSHOMETER TOILET

AMERICAN STANDARD - DECORUM

AMERICAN STANDARD PARDIGM

SELECTRONIC INTEGRATED PROXIMITY

LAVATORY FAUCET

BOBRICK B-3979

BOBRICK B-2013

BOBRICK B-290 2448

BOBRICK B-3091 OR SIMILAR

BOBRICK B-3091 OR SIMILAR

BACK: BOBRICK (or equal) B-6806 x 36"

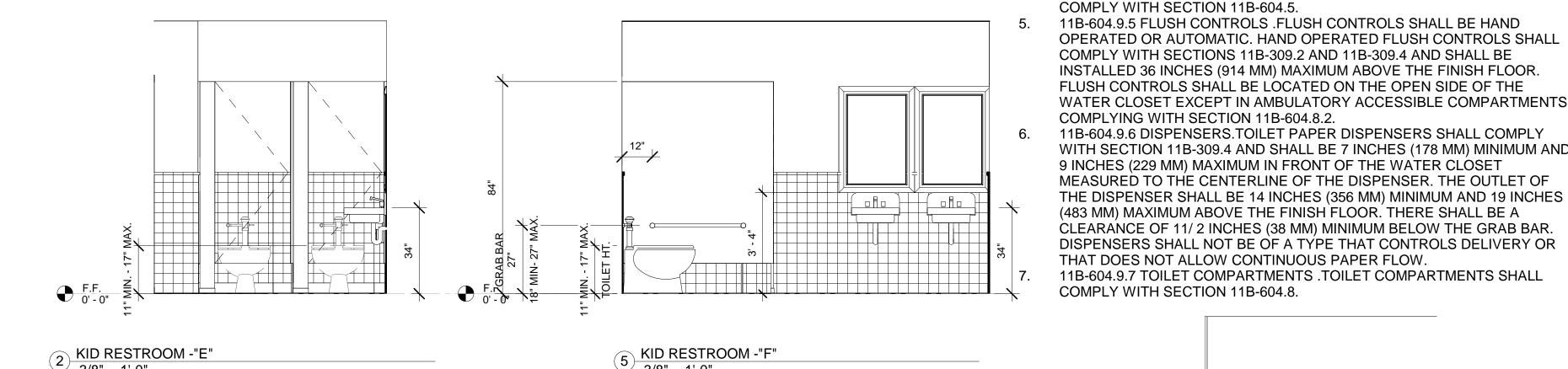
SIDE: BOBRICK (or equal) B-6806 X 42"

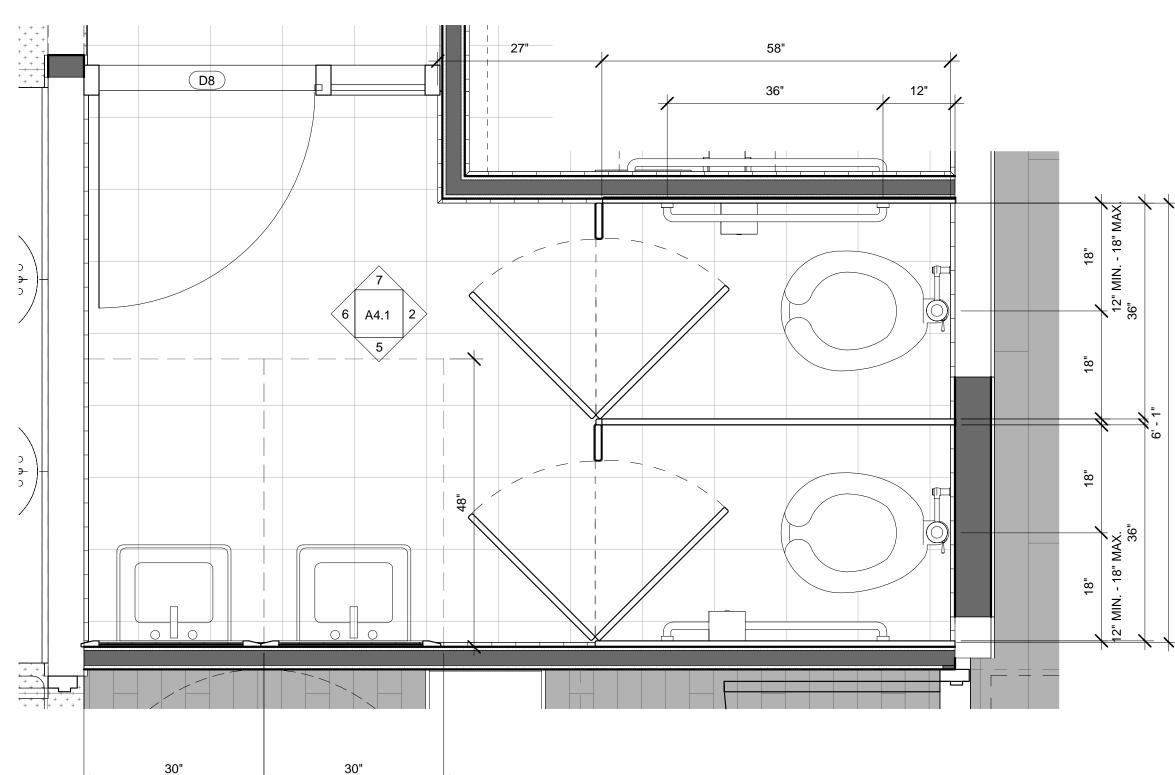
21"x20-1/4" WALL HUNG LAVATORY 9134001EC (CENTER HOLE ONLY)

SUGGESTED DIMENSIONS FOR CHILDREN'S USE

TABLE 11B-604.9

SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12						
	Ages 3 and 4	Ages 5 through 8	Ages 9 through 12			
Water Closet Centerline	12 inches (305 mm)	12 to 15 inches (305 to 381 mm)	15 to 18 inches (381 to 457 mm)			
Toilet Seat Height	11 to 12 inches (279 to 305 mm)	12 to 15 inches (305 to 381 mm)	15 to 17 inches (381 to 432 mm)			
Grab Bar Height	18 to 20 inches (457 to 508 mm)	20 to 25 inches (508 to 635 mm)	25 to 27 inches (635 to 686 mm)			
Dispenser Height	14 inches (356 mm)	14 to 17 inches (356 to 432 mm)	17 to 19 inches (432 to 483 mm)			



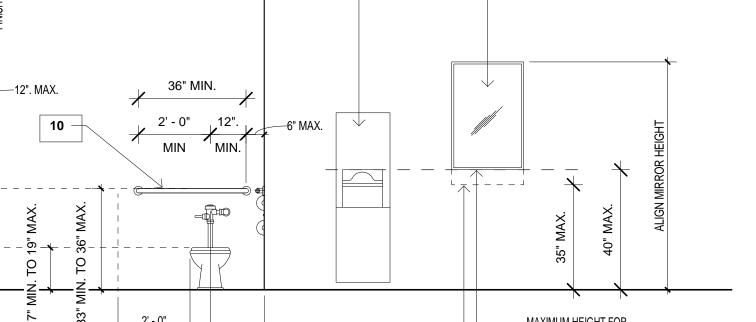




3



D8



₹ 7" MIN.-9"MAX

HEAD OF WALL - 1 HR UL DESIGN: HW-D-0079 UL DESIGN: HW-D-0083

F. [11B-308] REACH RANGES

floor or ground. [11B-308.2.1]

maximum. [11B-308,2.2]

1. Where forward reach is unobstructed, the high forward reach shall be 48 inches

2. Where forward reach is obstructed, the high forward reach shall be 48 inches

maximum where the reach depth is 20 inches maximum; the high forward reach

shall be 44 inches maximum where the reach depth exceeds 20 inches and 25 inches

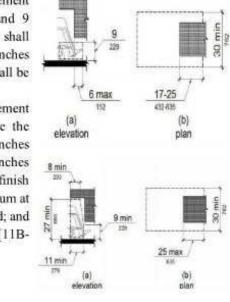
Where side reach is unobstructed, the high side reach shall be 48 inches maximum

and the low side reach shall be 15 inches minimum above the finish floor or ground.

maximum and the low forward reach shall be 15 inches minimum above the finish

E. [11B-306] KNEE AND TOE CLEARANCE 1. Toe clearance, the space under an element between the finish floor or ground and 9 inches above the finish floor or ground, shall extend 17 inches minimum deep and 25 inches maximum deep under an element and shall be 30 inches wide minimum. [11B-306.2]

2. Knee clearance, the space under an element between 9 inches and 27 inches above the finish floor or ground, shall extend 25 inches maximum in depth, and shall be 11 inches deep minimum at 9inches above the finish floor or ground and 8 inches deep minimum at 27 inches above the finish floor or ground; and shall be 30 inches wide minimum. [11B-



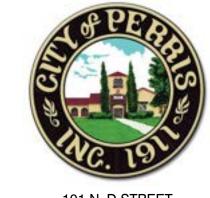
PREPARED BY:



EVERETT S

RIVERSIDE COUNTY, CA TEL:951-323-2187

Email: everett@everettsmithdesigns.com This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Everett Smith, and is not to be used in whole or in part, for any other project without the written authorization of Everett Smith/ESDESIGNS. All Rights Reserved



101 N. D STREET PERRIS, CA

13

EXISTING FRAMING

PARTITION - 1HR UL DESIGN: U465 UL DESIGN: V438

FIRESTOP SEALANT

TRACK OPTIONAL)

5/8" FIRE-SHIELD

GYPSUM BOARD

3 5/8" STEEL

24" ASS FIBER

INSULATION (OPTIONAL)

5/8" FIRE-SHIELD **GYPSUM BOARD**

STEEL TRACK -

MECHANICALLY

- FEERIGLE SEALANT

True North Compliance Services, Inc

PLAN REVIEW APPROVAL

Areli Sanchez DATE: 12/06/2023

Z:\Shared\Everett Smith Designs___ES Design Jobs\21-2155 227 Building Early Childhood Classroom & Offices\21-2155 227 Building Early Childhood 2023.11.20.rte

FASTEN

DETAIL: SS 110

4) 1-HOUR PARTITION 2

[/] 3" = 1'-0"

(OPTIONAL)

STUD

24" O.C. MAX. (SLOTTED

STEEL TRACK -

MECHANICALLY FASTEN

227 N D St suite A, Perris, CA 92570

REVISIONS: Description PROJECT ADDRESS:

227 N D St suite A, Perris, CA 92570

CLIENT NAME:

CITY OF PERRIS

Enlarged Kids Restroom & Elevations

21-2155 Project number 12/4/2023 8:48:37 AM Drawn by Author

Checker

BATHROOM DIMENSIONS
3/8" - 1' 0" 3/8" = 1'-0"

6 <u>rår</u> 7"-9". MAXIMUM HEIGHT FOR 8" MIN. OPERABLE PARTS & KNEE CLEARANCE TOE CLEARANCE O o o o o **BOTTOMS OF MIRRORS** 11". MIN.-7" MIN. TO 18" MAX. THAT ARE LOCATED FROM THE SIDE WALL ABOVE LAVATORIES OR 17". MAX.-COUNTERTOPS.

4' - 6"

NOTES:

THE WATER CLOSET SHALL BE LOCATED WITH A WALL OR PARTITION TO

THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET

WATER CLOSET SHALL BE 17 INCHES (432 MM) MINIMUM AND 19 INCHES

SECTION 11B-604.8.2. COMPARTMENTS SHALL BE ARRANGED FOR LEFT-

11B-604.9.2 CLEARANCE CLEARANCE AROUND A WATER CLOSET SHALL

INCHES (279 MM) MINIMUM AND 17 INCHES (432 MM) MAXIMUM MEASURED

TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO

OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL

WITH SECTION 11B-309.4 AND SHALL BE 7 INCHES (178 MM) MINIMUM AND

MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF

CLEARANCE OF 11/2 INCHES (38 MM) MINIMUM BELOW THE GRAB BAR

11B-604.9.7 TOILET COMPARTMENTS .TOILET COMPARTMENTS SHALL

DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR

(483 MM) MAXIMUM ABOVE THE FINISH FLOOR. THERE SHALL BE A

THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW

THE DISPENSER SHALL BE 14 INCHES (356 MM) MINIMUM AND 19 INCHES

SHALL BE 12 INCHES (305 MM) MINIMUM AND 18 INCHES (457 MM)

(483 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE

HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

COMPLY WITH SECTION 11B-604.3.

COMPLY WITH SECTION 11B-604.5.

COMPLYING WITH SECTION 11B-604.8.2.

COMPLY WITH SECTION 11B-604.8.

KID RESTROOM -"G"

6 3/8" = 1'-0"

A LIFTED POSITION.

AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN

11B-604.9.3 HEIGHT .THE HEIGHT OF WATER CLOSETS SHALL BE 11

11B-604.9.4 GRAB BARS GRAB BARS FOR WATER CLOSETS SHALL

MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE

APRON -

MAX HEIGHT WHEN NOT ABOVE LAVATORY

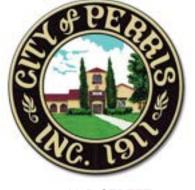
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PREPARED BY:

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227 N D St suite A, Perris, CA 92570

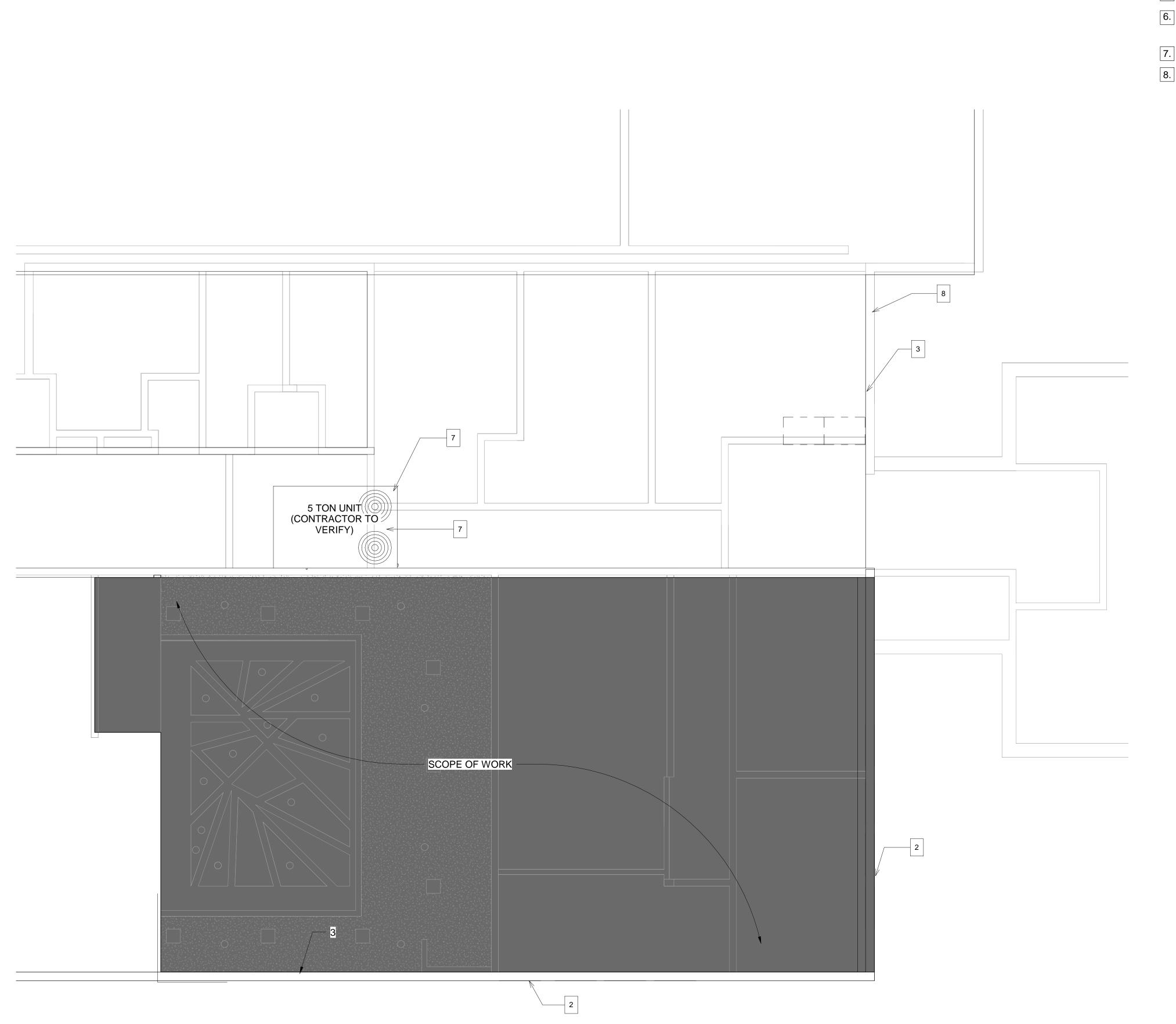
227 N D St suite A, Perris, CA 92570

CITY OF PERRIS

Proposed R.C.P.

21-2155 Date 12/4/2023 8:48:42 AM ES

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1 ROOF PLAN 1/4" = 1'-0"

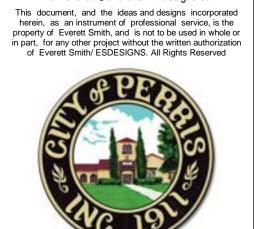
- 1. FLAT ROOF WITH CLASS 'A' THROUGHOUT
- **BUILDING LINE BELOW**
- PARAPET
- CRICKET WITH 5/8" PLYWOOD WITH MINIMUM SLOPE OF 3/8" PER FOOT TYPICAL.
- (E) ROOF DRAIN OVERFLOW
- MECHANICAL PLATFORM. FOR SIZE, CONSULT MECHANICAL DRAWINGS.
- AC UNITS
 - ROOF ACCESS LADDER

ROOF NOTES

PREPARED BY:

RIVERSIDE COUNTY, CA

TEL:951-323-2187 Email: everett@everettsmithdesigns.com



101 N. D STREET PERRIS, CA

227 N D St suite A, Perris, CA 92570

REVISIONS: PROJECT ADDRESS:

> 227 N D St suite A, Perris, CA 92570

CLIENT NAME:

True North Compliance Services, Inc.

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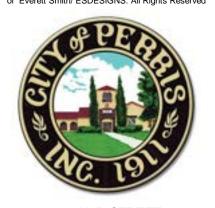
CITY OF PERRIS

(E) Roof Plan

21-2155 Project number Date 12/4/2023 8:48:44 AM Drawn by ES Checked by

A6

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REVISIONS: PROJECT ADDRESS:

227 N D St suite A, Perris, CA 92570

CLIENT NAME:

CITY OF PERRIS

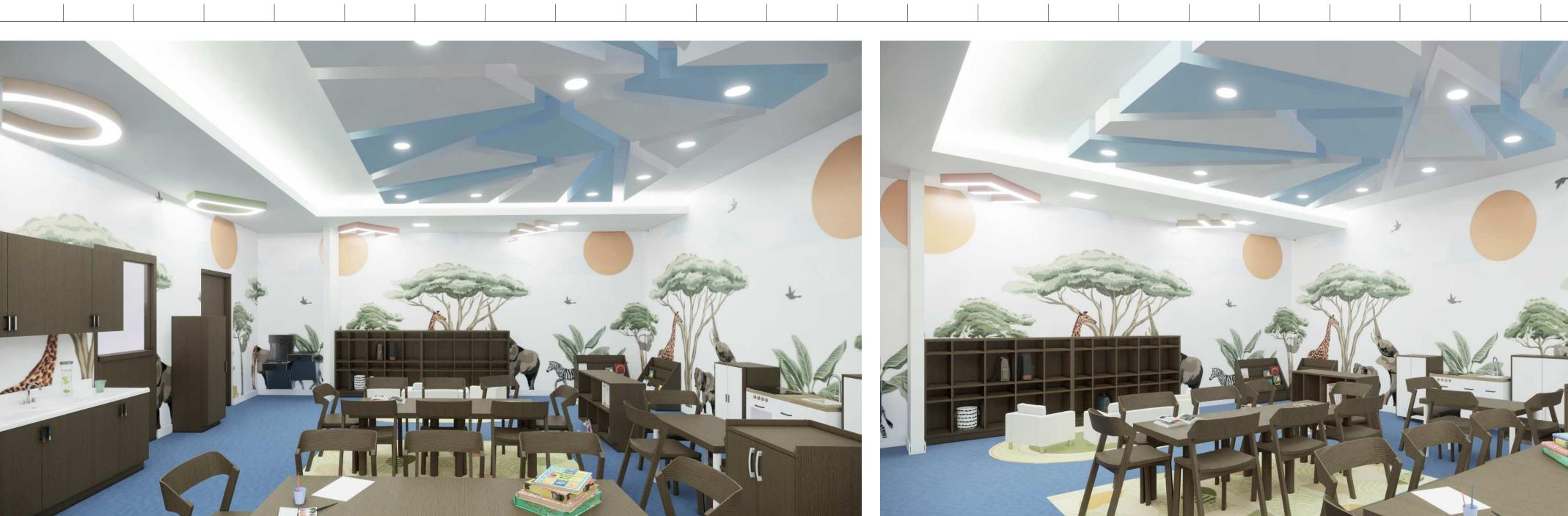
Interior Renderings

21-2155 Project number Date 12/4/2023 8:48:46 AM

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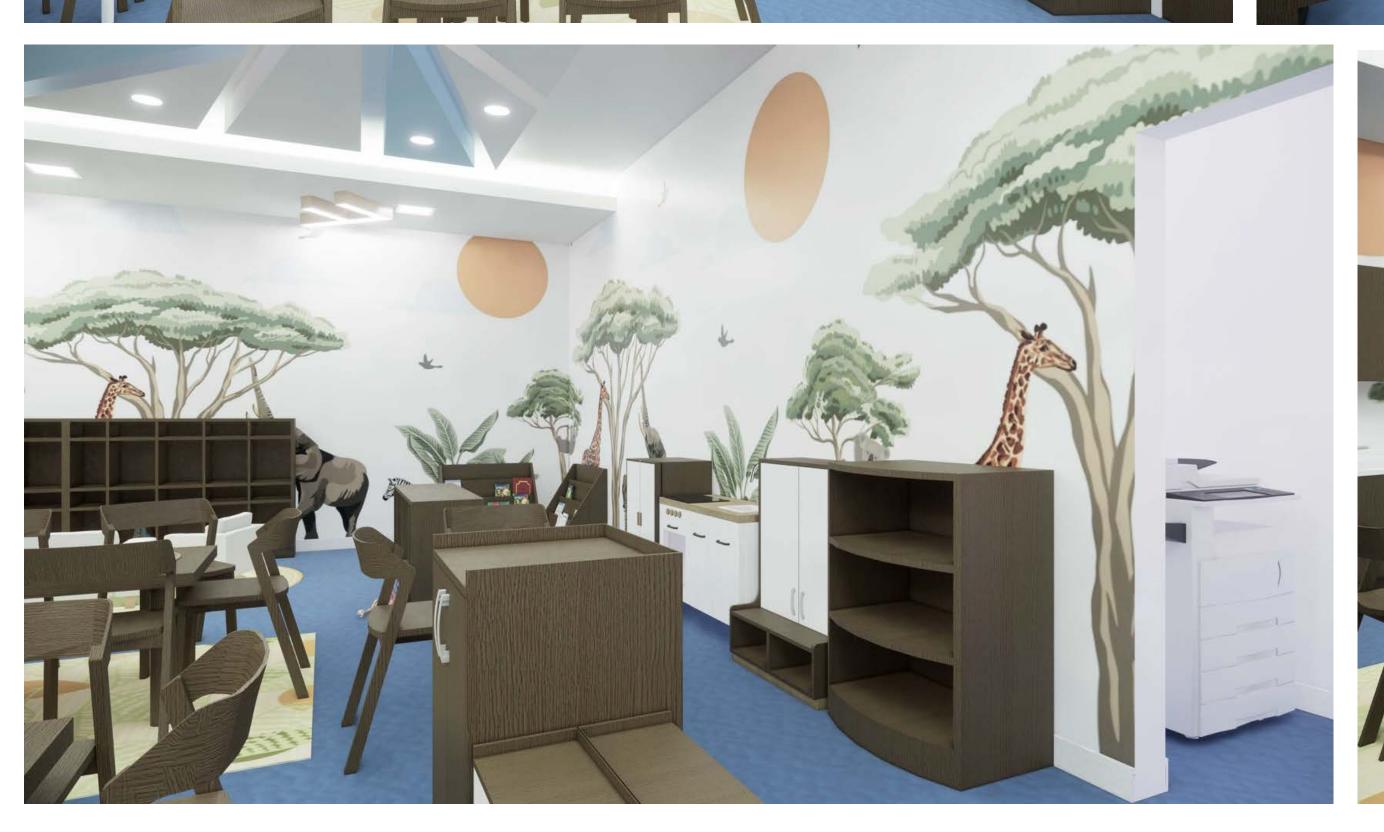


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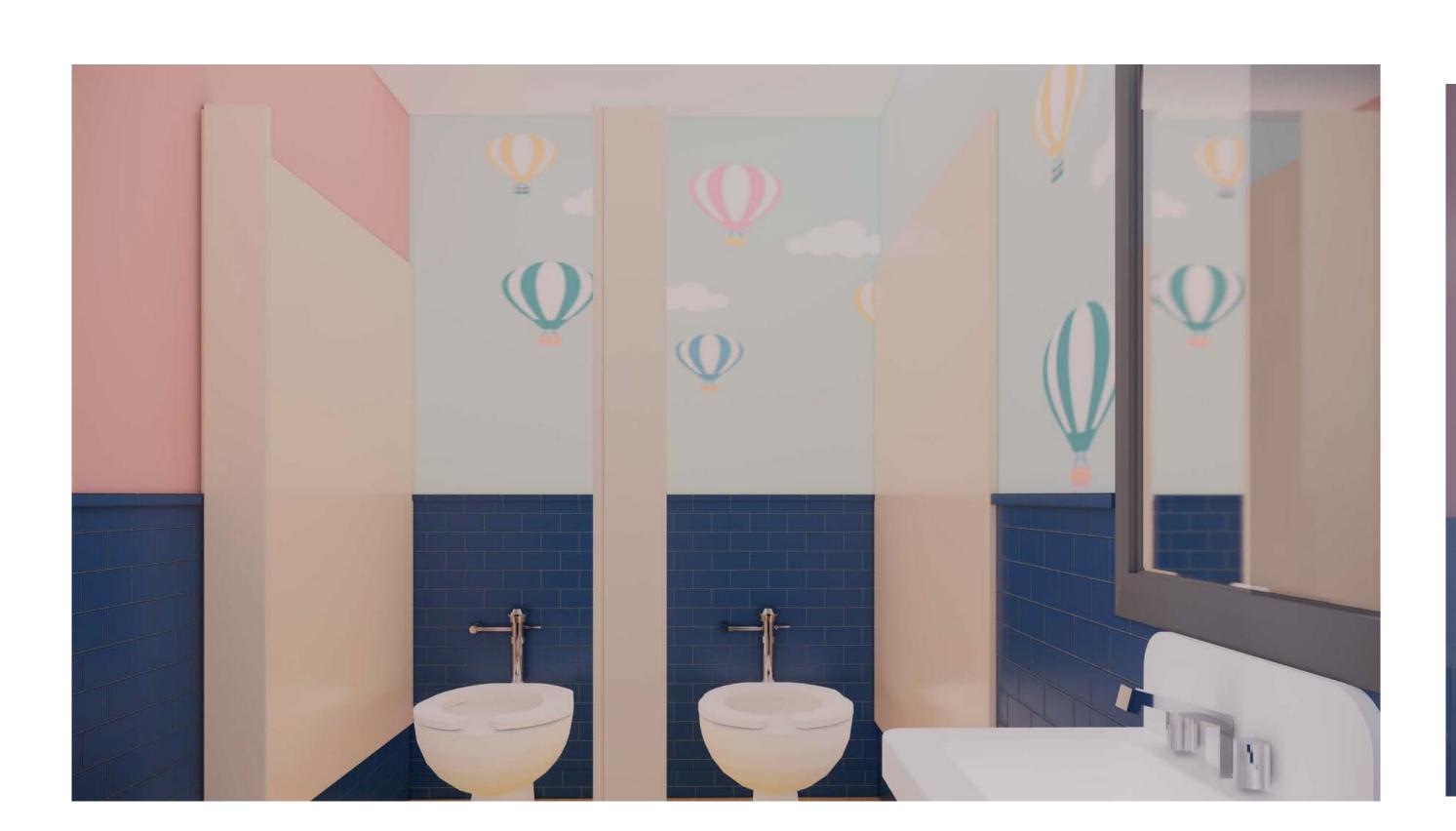






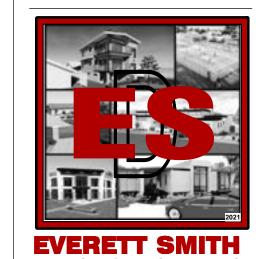






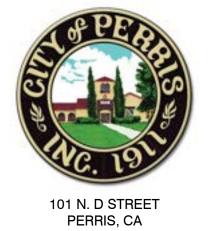


PREPARED BY:



RIVERSIDE COUNTY, CA TEL:951-323-2187

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REVISIONS: PROJECT ADDRESS:

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CLIENT NAME:

CITY OF PERRIS

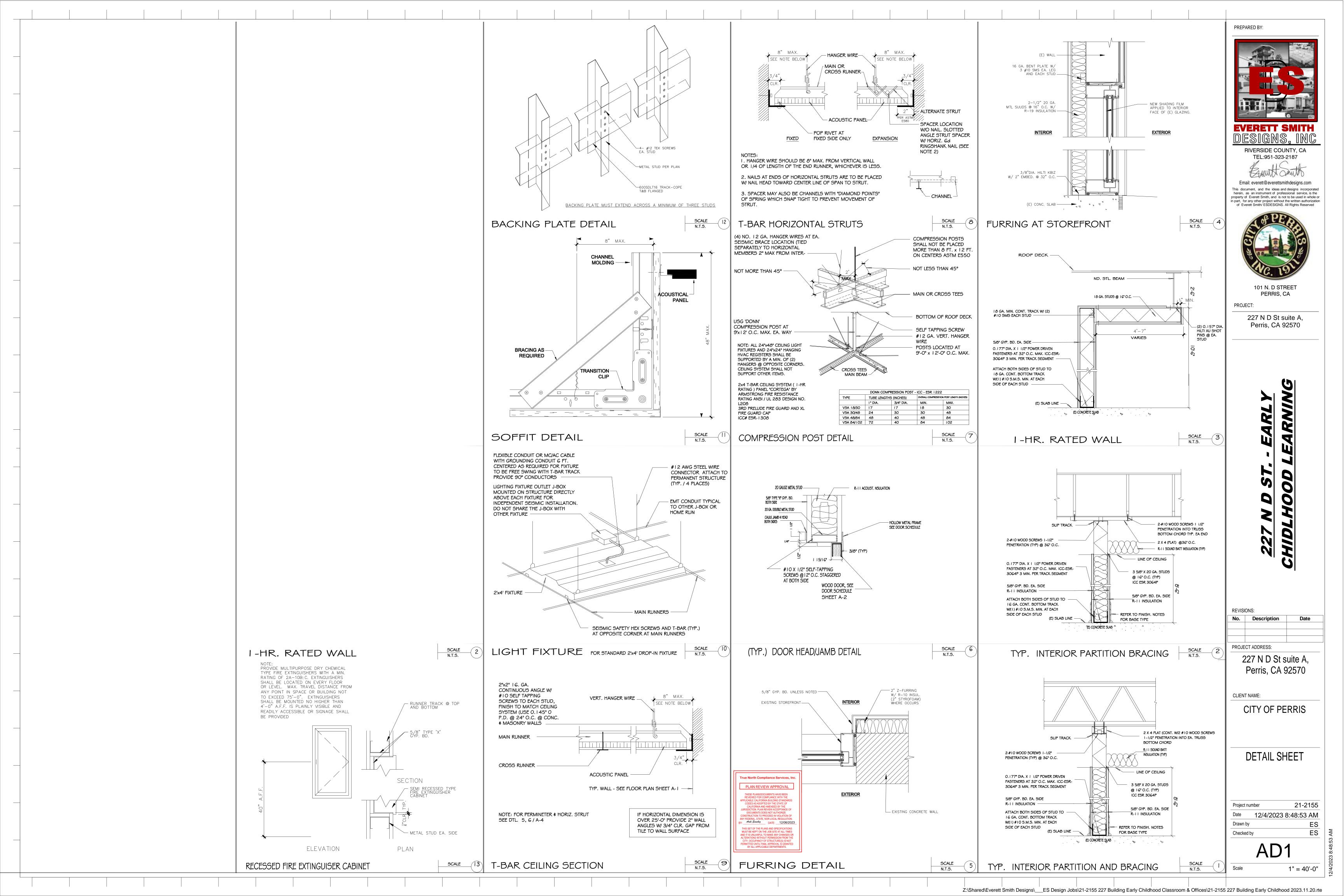
Interior Renderings

21-2155 Project number Date 12/4/2023 8:48:47 AM

Checked by Checker

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SECTION 5.106 SITE DEVELOPMENT 5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. 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:

5.106.1.1 Local ordinance . Comply with a lawfully enacted storm water management and/or erosion control

5.106.1.2 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.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include,

- but are not limited to, the following: a. Scheduling construction activity during dry weather, when possible.
- b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
- c. Drainage swales or lined ditches to control stormwater flow. d. Mulching or hydroseeding to stabilize disturbed soils.
- e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin inserts).
- g. Perimeter sediment control (perimeter silt fence, fiber rolls).
- Sediment trap or sediment basin to retain sediment on site.
- i. Stabilized construction exits. Wind erosion control.
- k. Other soil loss BMPs acceptable to the enforcing agency.
- 2. 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:
- a. Dewatering activities. b. Material handling and waste management. c. Building materials stockpile management.
- d. Management of washout areas (concrete, paints, stucco, etc.). e. Control of vehicle/equipment fueling to contractor's staging area. f. Vehicle and equipment cleaning performed off site.
- g Spill prevention and control. h. Other housekeeping BMPs acceptable to the enforcing agency.

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or

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

more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

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.

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.

5.106.4 BICYCLE PARKING. 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

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the

5.106.4.1.1 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.

5.106.4.1.2Long-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.

5.106.4.1.3 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

5.106.4.1.4For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the

5.106.4.1.5 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:

1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or

3. Lockable, permanently anchored bicycle lockers.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building. 5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or

5.106.5.3 Electric vehicle (EV) charging . [N] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 and shall be provided in accordance with

this section is not feasible based upon one of the following conditions: a. Where there is no local utility power supply

b. Where the local utility is unable to supply adequate power. local utility infrastructure design requirements, directly related to the implementation of

2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code section

5.106.5.3.1 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following

1. Raceways complying with the California Electrical Code and no less that 1-inch (25 mm) diameter shall be provided and 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 EV capable and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be

2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV

capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS. 3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.

4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective devices space(s) as "EV CAPABLE". The raceway termination location shall be

Note: A parking space served by electric vehicle supply equipment or designed as a future EV complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH
0-9	0	EVSE)^2
10-25	2	0
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20% of total ¹	25% of EV capable spaces

- 1. Where there is insufficient electrical supply. 2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count towards the total number of required EV capable spaces shown in column 2.
- 5.106.5.3.2 Electric vehicle charging stations (EVCS)

EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.3.3 Use of automatic load management systems (ALMS). ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity

5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.4 Accessible EVCS.

Electrical Code and as follows:

When EVSE is installed, accessible EVSC shall be provided in accordance with the California Building Code, Chapter 11B, Section 11B-228.3. Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle

Signs and Pavement Markings) or its successor(s). 5.106.5.4 Electric Vehicle (EV) charging: medium-duty and heavy-duty. [N] Construction shall comply with section 5.106.5.4.1 to facilitate future installation of electric vehicle supply

equipment (EVSE). Construction for warehouses, grocery stores and retail stores with planned off-street loading spaces shall also comply with Section 5.106.5.4.1 for future installation of medium- and heavy-duty EVSE.

1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:

a. Where there is no local utility power supply. b. Where the local utility is unable to supply adequate power.

c. 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. When EVSE(s) is/are installed, it shall be in accordance with theCalifornia Building Code, the California

5.106.5.4.1 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores

with planned off-street loading spaces. [N] In order to avoid future demolition when adding EV charging supply and distribution equipment, spare raceways(s) or busway(s) and adequate capacity for transformers(s), service panels(s) or subpanel(s) shall be installed at the time of construction in accordance with the California Electrical Code. Construction plans and specifications shall include but are not limited to, the following:

1. The transformer, main service equipment and subpanel shall meet the minimum power requirement in Table 5.106.5.4.1 to accommodate the dedicated branch circuits for the future

2. The construction documents shall indicate on or more location(s) convenient to the planned offstreet loading space(s) reserved for medium-and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s) as shown in Table

3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium-and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipments for medium- and heavy-duty

4. The raceway(s) or busway(s) shall be sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.4.1

TABLE 5.106.5.4.1 RACEWAY CONDUIT AND PANEL

REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE

BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL
	10,000 to 90,000	1 or 2	200
Grocery	10,000 to 90,000	3 or Greater	400
	Greater than 90,000	1 or Greater	400
	10,000 to 135,000	1 or 2	200
Retail	10,000 to 135,000	3 or Greater	400
	Greater than 135,000	1 or Greater	400
		1 or 2	200
Warehouse	20,000 to 256,000	3 or Greater	400
	Greater than 256,000	1 or Greater	400

5.106.8 LIGHT POLLUTION REDUCTION. [N]. I Outdoor lighting systems shall be designed and installed to comply

- 1. 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
- 2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8); 3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in
- 4. 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.

Exceptions: [N]

- 1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.
- 3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. 4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8
- Alternate materials, designs and methods of construction. 5. Luminaires with less than 6,200 initial luminaire lumens.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS 1,2

3. 2.3. 1. 7. 1. 2. 2. 1. 1. 2. 3. 1. 1. 1. 1. 1. 1. 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.							
ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4		
MAXIMUM ALLOWABLE BACKLIGHT RATING 3							
Luminaire greater than 2 mounting heights (MH) from	N/A	No Limit	No Limit	No Limit	No Limit		
property line Luminaire back hemisphere is 1-2 MH from property line Luminaire back hemisphere	N/A	B2	В3	B4	B4		
is	N/A	B1	B2	В3	В3		
0.5-1 MH from property line Luminaire back hemisphere is less than 0.5 MH from property line	N/A	В0	В0	B1	B2		
MAXIMUM ALLOWABLE UPLIGHT RATING (U)							
For area lighting 3	N/A	U0	U0	U0	U0		
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR		

MAXIMUM ALLOWABLE GLARE RATING 5 (G) **MAXIMUM ALLOWABLE** N/A GLARE RATING 5 (G) MAXIMUM ALLOWABLE N/A G2 GLARE RATING 5 (G) **MAXIMUM ALLOWABLE** N/A G0 G1 G0 GLARE RATING 5 (G) **MAXIMUM ALLOWABLE** GLARE RATING 5 (G)

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the Callifornia Administrative Code.

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to

the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaries located in these areas shall meet U-value limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight

Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.

Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare. For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table

5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front

1.See also California Building Code Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways. 2.Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy CodeTables 130.2-A and 130.2-B. 3. Refer to the California Building Codefor requirements for additions and alterations.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

- Water collection and disposal systems.

5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path.

5.106.12 SHADE TREES [DSA-SS]. 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.

5.106.12.1 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.

Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.

5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation. 5.106.12.3. 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. Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing

materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu

2. Designated and marked play areas of organized sport activity are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

Ordinance (MWELO).

5.201.1 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.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL 5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors

SECTION 5.302 DEFINITIONS 5.302.1 Definitions. The following terms are defined in Chapter 2(and are included here for reference) EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to

the amount of water that needs to be applied to the landscape. FOOTPRINT AREA [DSA-SS]. 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.

reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on

METERING FAUCET. 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.

GRAYWATER. 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

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and

(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.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD]The California model ordinance

POTABLE WATER. 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. POTABLE WATER. [HCD] 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. RECYCLED WATER. 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.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)

WATER BUDGET. 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

Z:\Shared\Everett Smith Designs___ES Design Jobs\21-2155 227 Building Early Childhood Classroom & Offices\21-2155 227 Building Early Childhood 2023.11.20.rte

PREPARED BY:

Email: everett@everettsmithdesigns.com

PROJECT:

herein, as an instrument of professional service, is the property of Everett Smith, and is not to be used in whole or in part. for any other project without the written authorization

REVISIONS: No. Description

PROJECT ADDRESS:

CLIENT NAME:

CITY OF PERRIS

227 N D St suite A,

Green Building

Project number 21-2155 Date 12/4/2023 8:48:53 AM Drawn by

Author

Checker Checked by

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

Architect pursuant to Section 105, comply with Section 5,106,4,2

applicable local ordinance, whichever is stricter.

minimum of one bicycle parking facility.

anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities

3. Lockable, permanently anchored bicycle lockers.

regulations in the California Building Code and the California Electrical Code 1. On a case-by-case basis where the local enforcing agency has determined compliance with

> c. Where there is evidence suitable to the local enforcement agency substantiating the Section 5.106.5.3, may adversely impact the construction cost of the project.

used to serve multiple EV charging spaces.

permanently and visibly marked as "EV CAPABLE." charging space shall count as at least one standard automobile parking space only for the purpose of

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH
0-9	0	EVSE)^2
10-25	2	0
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20% of total ¹	25% of EV capable spaces

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction

process, including verifying and documenting that building systems and components are planned, designed, installed,

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food

5.407.1 WEATHER PROTECTION.Provide a weather-resistant exterior wall and foundation envelope as required by

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings . Design exterior entries and/or openings subject to foot traffic or wind-driven

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water

intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to

California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local

2. The door is protected by a roof overhang at least 4 feet in depth.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals,

tested, operated and maintained to meet the owner's project requirements.

rain to prevent water intrusion into buildings as follows:

bulk mixed (single stream).

will be diverted by a waste management company

Excavated soil and land-clearing debris.

facilities capable of compliance with this item do not exist.

Resources Recycling and Recovery (CalRecycle).

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

as approved by the enforcing agency.

materials shall be included in the construction documents.

material may be stockpiled on site until the storage site is developed.

Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

by weight or volume, but not by both.

such openings plus at least one of the following:

The door is recessed at least 4 feet.

1. An installed awning at least 4 feet in depth.

4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND

meet a local construction and demolition waste management ordinance, whichever is more stringent.

demolition waste management ordinance, submit a construction waste management plan that:

usage, recycling, reuse on the project or salvage for future use or sale.

5.408.1 CONSTRUCTION WASTE MANAGEMENT.Recycle and/or salvage for reuse a minimum of 65% of the

non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and

Identifies the construction and demolition waste materials to be diverted from disposal by efficient

2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or

3. Identifies diversion facilities where construction and demolition waste material collected will be taken.

4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable

Note: The owner or contractor shall make the determination if the construction and demolition waste material

2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle

3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates

necessary and shall be accessible during construction for examination by the enforcing agency.

5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/

provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste

items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural

2. For a map of know pest and/or disease quarantine zones, consult with the California Department of

vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such

Commissioner and follow its direction for recycling or disposal of the material.

5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are

Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits,

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18. Part 3.

Division 30 of the Public Resources Code Chapter 18 is known as the California Solid Waste Reuse and

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources

resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling

identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum)

Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste

compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as

not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)"

2. Mixed construction and demolition debris processors can be located at the California Department of

Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste

located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-

documentation that the percentage of construction and demolition waste material diverted from the landfill

TEST. A procedure to determine quantitative performance of a system or equipment

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.2 MOISTURE CONTROL.Employ moisture control measures by the following methods.

SECTION 5.402 DEFINITIONS

soiled paper waste that is mixed in with food waste.

ordinance, whichever is more stringent.

RECYCLING

according to design quantities.

a damper.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with

instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound

of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu

except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm

COMPOSITE WOOD PRODUCTSComposite wood products include hardwood plywood, particleboard and medium

density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels.

structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I-joists or

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a

24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure,

trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor

that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current.

Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the alifornia Electrical Code

off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground

ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles.

equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices,

power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE).A 100-year GWP value published by the

gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse

Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or

its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of

HIGH-GWP REFRIGERANTA compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a

hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction,

LOW-GWP REFRIGERANT.A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a

PRODUCT-WEIGHTED MIR (PWMIR)The sum of all weighted-MIR for all ingredients in a product subject to this

article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction,

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet

or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with

vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition

5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance

Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified

woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6,

5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if

material and equipment installation. If the HVAC system is used during construction, use return air filters with a

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of

necessary to condition the building or areas of addition or alteration within the required temperature range for

Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of

30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is

Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a)

included in that specific regulation is the one that prevails for the specific measure in question.

compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to

150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82,

GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses,

finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn),

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2(and are included here for reference)

are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required

signed by the individual responsible for performing these services.

DIVISION 5.5 ENVIRONMENTAL QUALITY

the amount of heat required to melt a ton (2,000 pounds) of ice at 32Fahrenheit.

to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

sound power, sound intensity) with respect to a reference quantity.

support equipment, tractors, boats, and the like, are not included.

the fluctuating noise level integrated over the time of period of interest.

Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009)

not be divided or have grade separations at intersections.

by the enforcing agency.

SECTION 5.501 GENERAL

adjustments have been made.

SECTION 5.502 DEFINITIONS

Note: See CCR, Title 17, Section 93120.1.

and the electric vehicle.

compound with a GWP of one.

with a radius 1.5 times the pipe diameter.

sec.82.3 (as amended March 10, 2009).

hundreths of a gram (g 0³/g ROC).

product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

ozone formation in the troposphere.

with a radius 1.0 times the pipe diameter.

to remote compressor units or condensing units.

SECTION 5.503 FIREPLACES

to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

occupied during alteration, at the conclusion of construction.

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PROJECT:

Areli Sauchez

REVISIONS: No. Description

PROJECT ADDRESS: 227 N D St suite A,

CLIENT NAME:

CITY OF PERRIS

Green Building

Project number 21-2155 12/4/2023 8:48:58 AM

rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.410.2 COMMISSIONING. [N]New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)

> ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

- 3. Commissioning measures shown in the construction documents.
- Documentation and training. 7. Commissioning report.

Exceptions:

unconditioned warehouses

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not

Informational Notes:

- 1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of
- commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.
- must be performed in compliance with the California Energy Code

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

- 1. Environmental and sustainability goals. Building sustainable goals.

6. Building occupant and operation and maintenance (O&M) personnel expectations

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:

- General project information.
- 3. Systems to be commissioned. Plans to test systems and components shall include:
- a. An explanation of the original design intent.
- Functions to be tested.
- e. Measurable criteria for acceptable performance. 4. Commissioning team information.
- commissioning shall be included.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements icalifornia Code of Regulations(CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The

- Major systems.
- 5. Site equipment inventory and maintenance notes.
- 7. Other resources and documentation, if applicable.
- report and shall include the following:
- 1. System/equipment overview (what it is, what it does and with what other systems and/or

alteration subject to Section 303.1

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific

included for testing and adjusting shall include at a minimum, as applicable to the project:

- 3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning

5.410.2 through 5.410.2.6 shall apply. Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating,

- 1. Owner's or Owner representative's project requirements. Basis of design.
- Commissioning plan. 5. Functional performance testing.

- 1. Unconditioned warehouses of any size. 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within
- Tenant improvements less than 10,000 square feet as described in Section 303.1.1.

4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

provide heating and or air conditioning.

2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls

- 3. Indoor environmental quality requirements. 4. Project program, including facility functions and hours of operation, and need for after hours
- Equipment and systems expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

- Renewable energy systems.
- Landscape irrigation systems. Water reuse system.

- Commissioning goals.

- d. Conditions under which the test shall be performed.
- 5. Commissioning process activities, schedules and responsibilities. Plans for the completion of

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments

- systems manual shall include the following:
- 1. Site information, including facility description, history and current requirements.
- Site contact information.
- 3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
- 6. A copy of verifications required by the enforcing agency or this code.
- 5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning

 - equipment it interfaces).
 - 2. Review and demonstration of servicing/preventive maintenance.
- 3. Review of the information in the Systems Manual. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or

5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or

5.410.4.2 (Reserved)

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be

- Renewable energy systems.
- Landscape irrigation systems.

system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Council National Standards or as approved by the enforcing agency.

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

SECTION 5.303 INDOOR WATER USE

Specification for Tank-Type toilets.

5.303.3.2 Urinals.

two reduced flushes and one full flush.

0.125 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG]

5.303.3.4 Faucets and fountains

TABLE H-2

PRODUCT CLASS

Product Class 1 (≤ 5.0 ozf)

Product Class 3 (> 8.0 ozf)

5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

[spray force in ounce force (ozf)]

to new fixtures in additions or areas of alteration to the building.

of the California Plumbing Codeand in Chapter 6 of this code.

Efficient Landscape Ordinance (MWELO), whichever is more stringent.

SECTION 5.304 OUTDOOR WATER USE

Title 23, Chapter 2.7, Division 2.

https://www.water.ca.gov/.

EFFICIENCY

SECTION 5.401 GENERAL

Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)

not exceed 0.5 gallons per flush.

WaterSense Specification for Showerheads.

more than 0.5 gallons per minute at 60 psi.

gallons per minute/20 [rim space (inches) at 60 psi].

(d)(7), and shall be equipped with an integral automatic shutoff.

STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY

more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.

Note: This code section does not affect local jurisdiction authority to prohibit or require disposer

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California

Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed

5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply

5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS For public schools and community colleges,

landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of

Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter

2.7, Division 2, Title 23, California Code of Regulations except that the evapotranspiration adjustment factor (ETAF)

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource

techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the

2. MWELO and supporting documents, including a water budget calculator, are available at:

shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

landscape area equal to or greater than 1,200 square feet.

area equal to or greater than 500 square feet.

prescriptive measures contained in Appendix D of the MWELO.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE

with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water

1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations.

in accordance with the California Plumbing Code and shall meet the applicable standards referenced in Table 1701.1

VALUES MANUFACTURED ON OR AFTER JANUARY 28.

allow only one shower outlet to be in operation at a time.

Note: A hand-held shower shall be considered a showerhead.

5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections

b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).

within a new building or within an addition that is projected to consume more than 1,000 gal/day.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and

urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume

restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.

2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the

a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).

c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of

5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8

5.303.3.3.2 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

5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not

gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate,

but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve

When installed, shall meet the requirements in the alifornia Code of Regulations Title 20 (Appliance

Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607

FOR REFERENCE ONLY:The following table and code section have been reprinted from the alifornia

MAXIMUM FLOW RATE (qpm)

1.20

1.28

Code of Regulations Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm

when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no

single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to

gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA

flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense

more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners,

Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance

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Author Checker NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

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

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet

the requirements of the following standards: 1. 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 SCAQMD 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.

2. 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, ocalifornia Code of Regulations Title 17, commencing with Section 94507.

Less Water and Less Exempt Compounds in Grams per Liter	ſ
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

Less Water and Less Exempt Compounds in Grams per Liter							
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							

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.

DISTRICT RULE 1168.

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(c)(2) and (d)(2) & alifornia 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 F	FOR ARCHITECTURAL
COATINGS _{2,3}	

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS								
COATING CATEGORY	CURRENT VOC LIMIT							
FLAT COATINGS	50							
NONFLAT COATINGS	100							
NONFLAT HIGH GLOSS COATINGS	150							

TABLE 5.504.4.3 - CONT

COATING CATEGORY	CURRENT VOC LIMIT			
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 COATINGS1	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			
-	340			

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

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:

1. Manufacturer's product specification 2. Field verification of on-site product containers

5.504.4.4 Carpet Systems.

All carpet installed in the building interior shall meet the requirements of 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 1.2. January 2017 (Emission testing method for California

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of 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 1.2, January 2017 (Emission testing method for California Specifications

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

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

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

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: 1. Product certifications and specifications.

. Chain of custody certifications. 3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see

CCR, Title 17, Section 93120, et seq.). 4. 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

5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION								
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 FIBERBOARD2	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 C	OF 5/16 INCHES (8 MM).							

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of 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 1.2, January 2017 (Emission testing method for California Specifications

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

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

5.504.4.7 Thermal insulation Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing

and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance. Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission

5.504.4.8 Acoustical ceiling and wall panels. Comply with the requirements of 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 1.2, January 2017 (Emission testing method for California Specification 01350).

See California Department of Public Health's website for certification programs and testing labs. 5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical

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.

finish materials meet the pollutant emission limits.

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

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes 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

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the alifornia 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 (CQ) MONITORING. For buildings or additions equipped with demand control ventilation, CQ sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

5.506.3 Carbon dioxide (CO2) monitoring in classrooms. (DSA-SS) Each public K-12 school classroom, as listed in Table 120.1-A of the alifornia Energy Code, shall be equipped with a carbon dioxide monitor or sensor that meets the following requirements:

The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable

When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the

carbon dioxide readings shall be available to and regularly monitored by facility personnel. A monitor shall provide notification though a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have

exceeded 1.100ppm. 4. The monitor or sensor shall measure carbon dioxide levels at minimum 15- minute intervals and shall maintain a

record of previous carbon dioxide measurements of not less than 30 days duration. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide

levels with a range of 400ppm to 2000ppm or greater. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than

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 90 and 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:

1. Within the 65 CNEL noise contour of an airport.

Exceptions:

- 1. Lon or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
- 2. Ldn 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.
- 2. Within the 65 CNEL or lan noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting 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.

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

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

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

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

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

utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or

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

replacement of existing refrigeration systems in existing facilities.

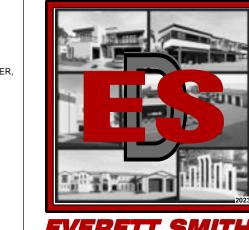
refrigerant systems except as noted below.

refrigerant charge of 5 pounds or less.

keep vibration levels below 8 mils

that include ammonia, carbon dioxide (CQ), and potentially other refrigerants.

NOT APPLICABLE
RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER,
OWNER, CONTRACTOR, INSPECTOR ETC.)



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herein, as an instrument of professional service, is the property of Everett Smith, and is not to be used in whole or in part, for any other project without the written authorization

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

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to

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

5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Codeand as

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.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and

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

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 tha 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 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

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

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

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours

CHAPTER 7

INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

with a maximum drift of 100 microns over a 24-hour period.

702 QUALIFICATIONS 702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper

responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

State certified apprenticeship programs.

2. Public utility training programs. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.

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

4. 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.

2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building

performance contractors, and home energy auditors. 3. Successful completion of a third party apprentice training program in the appropriate trade.

4. Other programs acceptable to the enforcing agency.

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. 2. 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, 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, that method of compliance will be specified in the appropriate section or identified applicable checklist.

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PROJECT:

Areli Sanchez DATE: 12/06/2023

REVISIONS: No. Description

PROJECT ADDRESS:

227 N D St suite A,

CLIENT NAME: CITY OF PERRIS

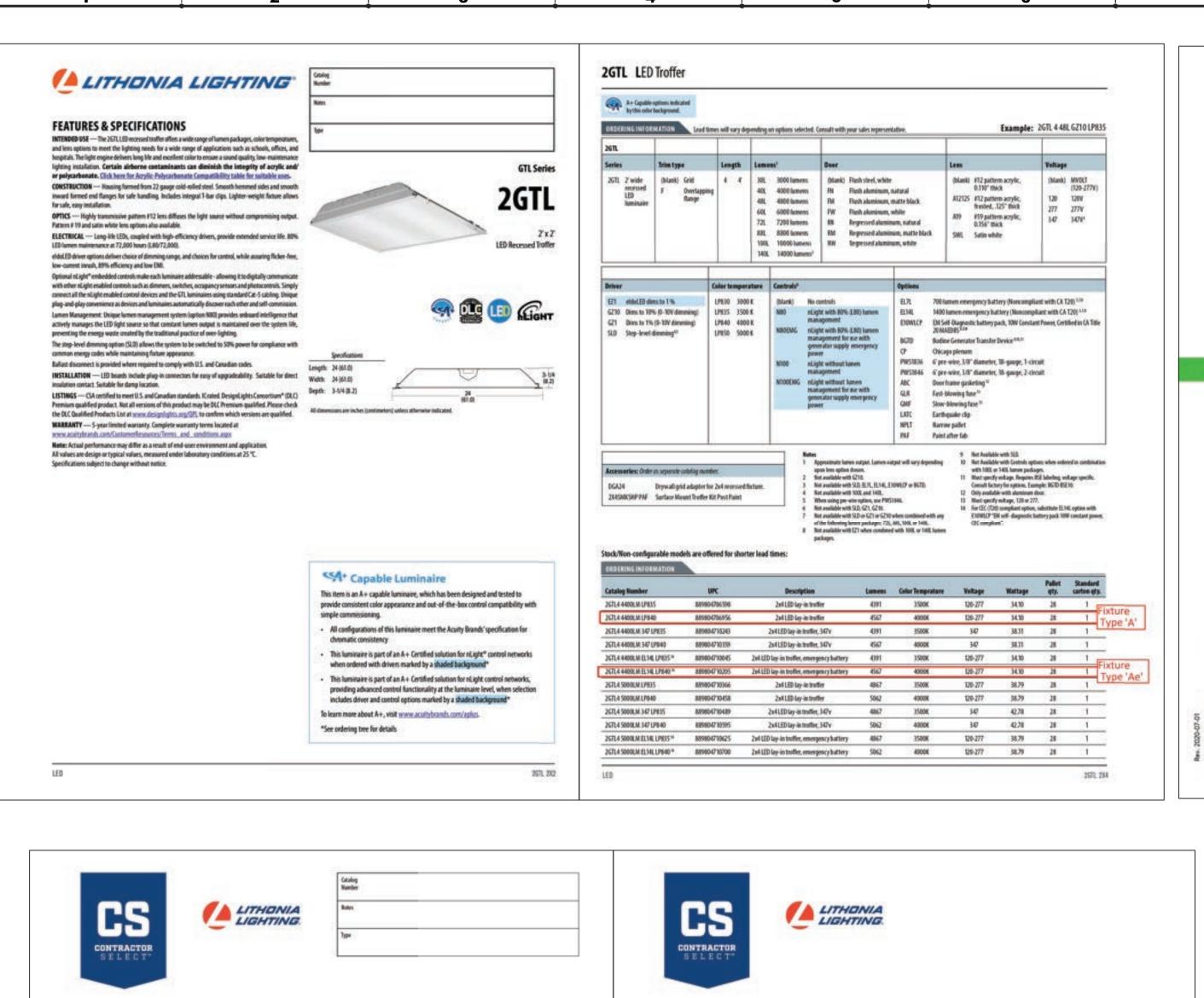
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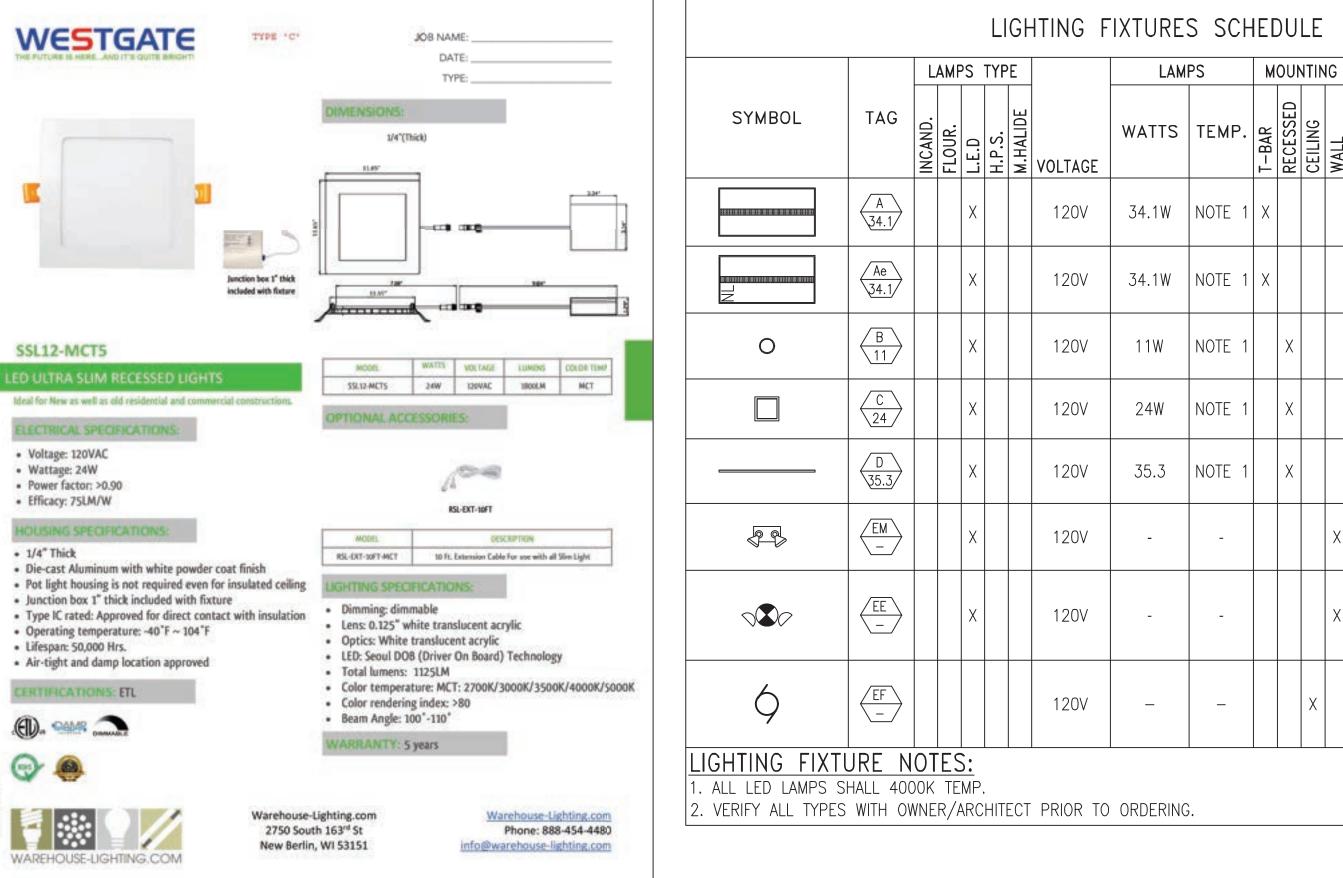
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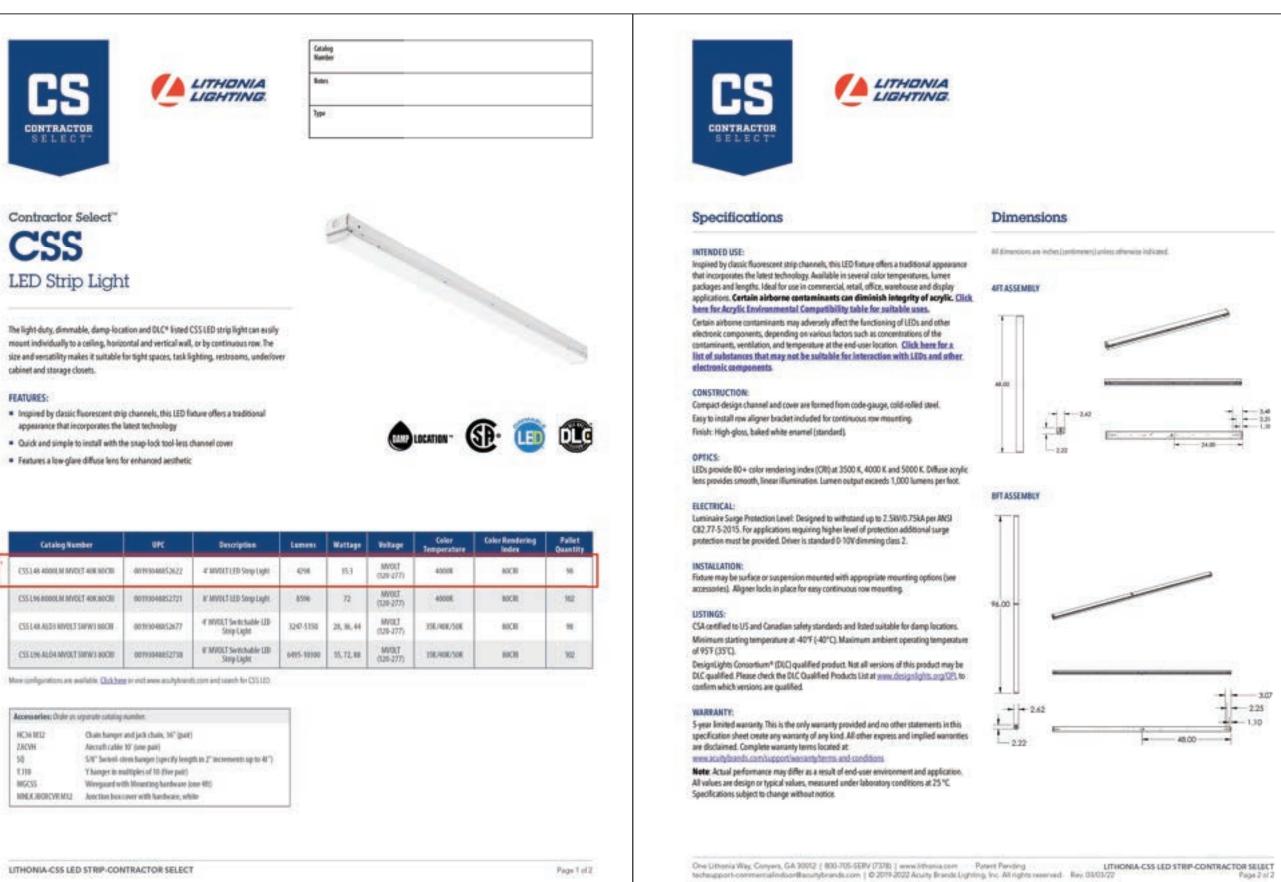
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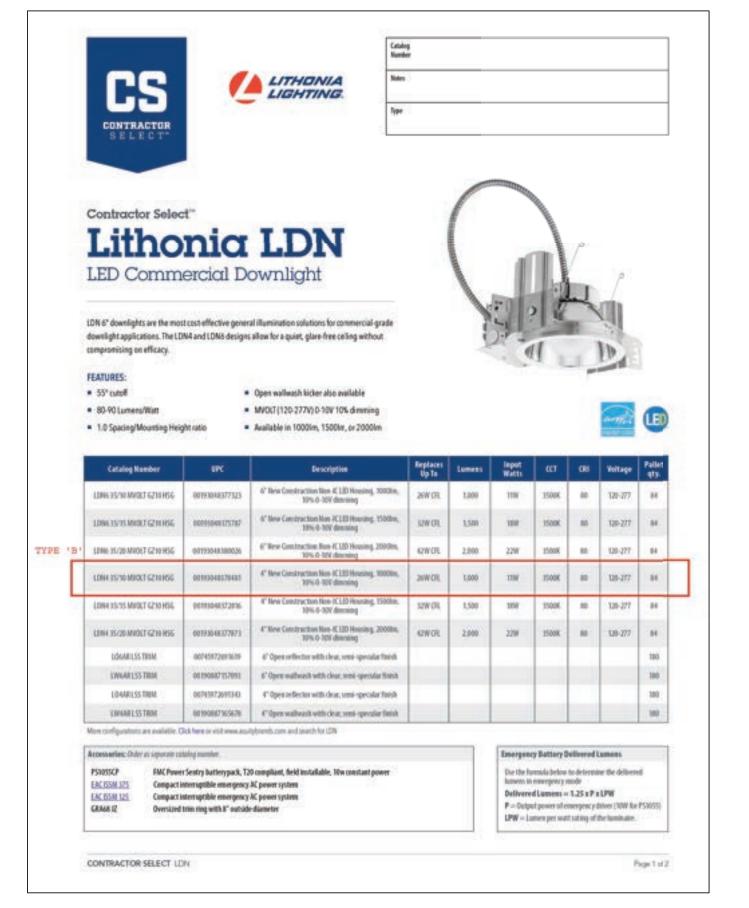
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. HIDDEN CONDITIONS MAY EXIST, AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND BRING TO THE DESIGNERS ATTENTION.

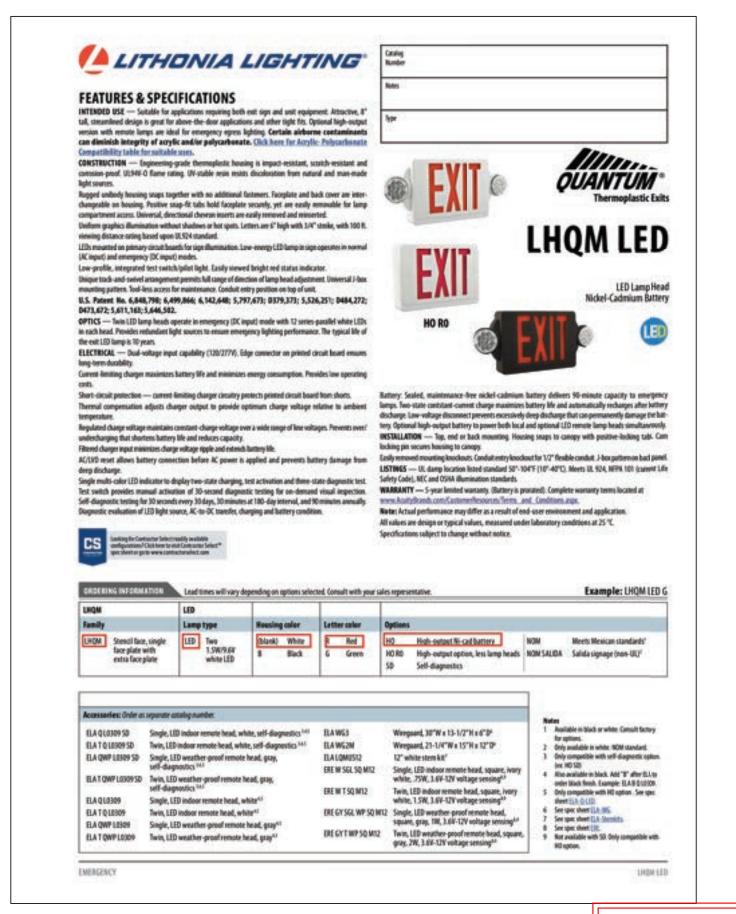
ELECTRICAL SPECIFICATIONS ELECTRICAL GENERAL NOTES ELECTRICAL LEGEND & ABBREVIATIONS PART -I GENERAL: 17. ALL ELECTRICAL FIXTURE AND EQUIPMENT SHALL BE GROUNDED, ALL SHOULD A CONFLICT OCCUR BETWEEN OR WITH THE SPECIFICATIONS SYMBOL DESCRIPTION CONVENIENCE RECEPTACLES SHALL BE GROUNDING TYPE. AND/OR DRAWINGS, CODES, STANDARDS, REQUIREMENTS, MANUFACTURER'S A,AMP AMPERE 1. 1.1 ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA ELECTRICAL CODE INSTRUCTIONS, OR RECOMMENDATIONS, THE MORE STRINGENT AND/OR ELECTRICAL PANEL, FLUSH MOUNT AFF ABOVE FINISHED FLORR (CEC 2022), THE NATIONAL ELECTRICAL CODE NEC 2017 AND CURRENT CITY ORDINANCES. 18. ELECTRICAL CONTRACTOR SHALL FURNISH TEMPORARY CONSTRUCTION RESTRICTIVE CONDITION SHALL HAVE PRECEDENCE, AS DETERMINED BY AFG ABOVE FINISHED GRADE 2. 1.2 ELECTRICAL EQUIPMENT, MATERIALS AND APPURTENANCES SHALL BE BRACED IN ACCORDANCE POWER WHERE REQUIRED. THE CONTRACTING OFFICER. ELECTRICAL PANEL, SURFACE MOUNT AWG AMERICAN WIRE GAGE WITH CBC 2022 FOR SEISMIC CODES. AUX AUXILIARY 19. ALL THE ELECTRICAL LINES SHOULD BE CONCEALED WITHIN THE THE DRAWINGS REPRESENT THE FINISHED PROJECT UNLESS OTHERWISE MAIN SERVICE SWITCHBOARD (MSB) PART -II PRODUCTS: BUILDING STRUCTURE TO AS GREAT EXTENT AS POSSIBLE. NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE BAT BATTERY CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE CIRCUIT BREAKER BRD BOARD EQUIPMENT AND MATERIALS SHALL BE NEW AND FREE FROM DEFECTS. ALL EQUIPMENT OF THE 20. ELECTRICAL RECEPTACLES OUTLETS ON BRANCH CIRCUITS OF 30 SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, BLDG BUILDING SAME OR SIMILAR TYPE SHALL BE THE SAME MANUFACTURER THROUGHOUT THE WORK. STANDARD AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES TO TECHNIQUES, AND SEQUENCES. GROUND CONNECTION PRODUCTION MATERIALS SHALL BE USED WHEREVER POSSIBLE BE LOCATED: 2. CONDUIT SHALL BE PROVIDED FOR ALL WIRING INCLUDING POWER, CONTROL , GROUNDING C CONDUIT a. NO MORE THAN 48". MEASURED FROM TOP OF THE RECEPTACLE 3. ALL DIMENSIONS, EXISTING JOB SITE CONDITIONS, AND SERVICE 120V DUPLEX OUTLET LIGHTING.RECEPTACLES AND SIMILAR SYSTEMS CB CIRCUIT BREAKER OUTLET BOX OR RECEPTACLE HOUSING AND; REQUIREMENTS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE RACEWAYS: EXPOSED CONDUIT SUBJECT TO DAMAGE SHALL BE THREADED, GALVANIZED, RIGID STEEL CLG CEILING 120V SPLIT WIRED DUPLEX OUTLET b. NO LESS THAN 15', MEASURED FROM BOTTOM OF THE START OF CONSTRUCTION AND/OR FABRICATION OF MATERIALS. IF CONDUIT, MINIMUM SIZE BE 3/4" BUSHING SHALL BE GALVANIZED, MALLEABLE IRON WITH CKT CIRCUIT RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING, TO THE DISCREPANCIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED INSULATED COLLARS. GROUNDING BUSHING SHALL BE LOCKED TYPE WITH THROUGH COMPRESSION 120V QUAD OUTLET CO CONDUIT ONLY LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM. FOR CLARIFICATION. 21. ALL WORK TO COMPLY WITH 2022 CALIFORNIA ELECTRICAL CODE AND 4. LIQUID TIGHT, FLEXIBLE STEEL CONDUIT SHALL BE PROVIDED FOR ALL DAMP OR WET LOCATIONS. \Rightarrow 208V/240V OUTLET DS DISCONNECT SWITCH 2022 CALIFORNIA ENERGY CODE. CONTRACTOR SHALL COORDINATE WORK BETWEEN ALL TRADES AND 5. EMBEDDED OR ENCASED CONDUIT SHALL BE SCHEDULE 40 , HIGH IMPACT , POLYVINYL DWG DRAWING WORKMEN TO CLOSE, PATCH, AND REPAIR ALL HOLES WHERE ITEMS CHLORIDE(PVC). FITTING FOR PVC CONDUIT SHALL BE SOLVENT WELDED TYPE 120V DIRECT CONNECTION 22. PROVIDE SWITCH & RECEPTACLE HEIGHTS PER STATE OF CALIFORNIA ARE REMOVED AND PROVIDED OPENINGS AS NECESSARY FOR NEW WORK. 6. JUNCTION AND PULL BOXES FOR USE IN OUTDOOR AREAS SHALL BE CAST TYPE . NEMA 3R RATED EM EMERGENCY ACCESSIBLE REQUIREMENTS. WITH INTEGRALLY CAST THREADED HUBS FOR CONDUIT ENTRY. CONDUIT BODIES SHALL FERROUS EMT ELECTRICAL METALLIC 208V/240 V DIRECT CONNECTION ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH CALIFORNIA ALLOY TYPE WITH SCREW FOR FASTENING COVERS.GASKETS SHALL BE MADE OF NEOPRENE **TUBING** 23. THE ISSUANCE OF PERMIT SHALL NOT PREVENT THE BUILDING LOCAL CODES APPLYING TO THE PROPOSED CONSTRUCTION. IN THE INDIVIDUAL CONDUIT SUPPORTS SHALL BE TWO-HOLE GALVANIZED STEEL STRAPS. PLUMBERS TYPE EF EXHAUST FAN OFFICIAL FROM REQUIRING THE CORRECTION OF ERRORS ON THESE EXHAUST FAN EVENT OF CONFLICT BETWEEN THE ABOVE AND THESE PLANS AND IS NOT ACCEPTABLE. ES ENERGY SAVING PLANS OR FROM PREVENTING ANY VIOLATION OF CODES ADOPTED BY SPECIFICATIONS, THE MOST RESTRICTIVE SHALL GOVERN. CONDUCTORS, WIRES & CABLES SHALL BE PROVIDED FOR POWER CONTROL, LIGHTING, RECEPTACLES, PC EC EVAPORATIVE COOLER PHOTOCELL THE CITY.RELEVANT LAWS. ORDINANCES. RULES AND/OR REGULATIONS. INTRUMENTATION. GROUNDING AND SIGNAL CIRCUITS. THE QUANTITY AND SIZE OF CONDUCTORS SHALL (E) EXISTING BE AS SPECIFIED. CONDUCTORS FOR LIGHTING AND RECEPTACLE CIRCUITS SHALL BE SIGNAL CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO SERVICE BY GFCI GROUND FAULT CIRCUIT OCCUPANCY SENSOR CONDUCTOR, ANNEALED COPPER WITH 600-VOLT THWN/THHN PVC INSULATION. 24. FOR RATED WALLS/CEILINGS PENETRATIONS AND/OR MEMBRANE THE UTILITIES AND SHALL INCLUDE THE COST OF ALL WORK BY OR FOR <u>></u> ≥ INTERRUPTER PENETRATIONS. COMPLETE NRTL CLASSIFICATION SHEETS SHALL BE GROUNDING CONDUCTORS SHALL BE CONCENTRIC STRANDED, ANNEALED BARE COPPER. THEM IN HIS BID. G,GND GROUND 10. RECEPTACLES.PLUGS,SWITCHES AND APPURTENANCES SHALL BE PROVIDED AS SPECIFIED ON THE TELEPHONE OUTLET BOX MOUNTED AT 18" PROVIDED TO THE INSPECTOR AT THE TIME OF INSPECTION. HPS HIGH PRESSURE SODIUM ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL AFF UON WITH (1)3/4" CONDUIT ONLY TO IG ISOLATED GROUND 11. LIGHT SWITCHES SHALL BE 20 AMP, ROCKER TYPE, LEVITON, OR EQUAL ELECTRICAL SYSTEM, EXCEPT THAT THE PROVISIONS FOR 25. GIVE THE POWER COMPANY WRITTEN NOTICE OF THE EXTENT AND ACCESSIBLE CEILING SPACE plue KVA KILO VOLT AMPERES 12. GROUND RODS SHALL BE COPPER-COVERED STEEL 3/4" DIAMETER, 10' LONG. NATURE OF ANY MATERIAL CHANGES IN THE SIZE, CHARACTER, OR OWNER-SUPPLIED EQUIPMENT SHALL ONLY BE COMPLETED TO THE POINT TELE/DATA OUTLET KW KILOWATT INDICATED ELSEWHERE ON THE DRAWINGS. EXTENT OF THE UTILIZING EQUIPMENT OR OPERATIONS FOR WHICH 13. CIRCUIT BREAKERS SHALL MOLDED-CASE TYPE RATED FOR THE CURRENT RATINGS AND POLE JUNCTION BOX CONFIGURATIONS SPECIFIED ON THE PANEL BOARD SCHEDULE LCL LONG CONTINUOUS LOAD POWER COMPANY IS SUPPLYING ELECTRIC SERVICE BEFORE MAKING LTG LIGHTING ANY SUCH CHANGE. 8. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFORMITY TO ALL FLEX CONDUIT PART —III INSTALLATION: LOCAL CODES AND ORDINANCES, THE STATE OF CALIFORNIA ELECTRICAL - GROUND MECH MECHANICAL SAFETY ORDERS, THE N.E.C. AND ANY ADDITIONAL JURISDICTION RELATING 26. THE UNGROUNDED AND GROUNDED CONDUCTORS OF EACH - NEUTRAL 1. NAMEPLATES SHALL BE MADE FROM LAMINATED PHENOL PLASTIC SHALL 3/4" HIGH BY 2" TO THE WORK. MULT-IWIRE BRANCH CIRCUIT SHALL BE GROUNDED BY WIRE TIES OR MH METAL HALIDE -SWITCHED LONG.NAMEPLATES SHALL HAVE BLACK BACKGROUNDS WITH 3/16" WHITE LETTERS AND SHALL BE SIMILAR MEANS IN AT LEAST ONE LOCATION WITHIN THE MTD MOUNTED HOT FASTENED USING SELF-TAPPING STAINLESS STEEL SCREWS.THE USE OF ADHESIVES WILL NOT BE 9. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS PANEL-BOARD OR OTHER POINT OF ORIGINATION (210.4(D)) NEW \sim HOT PERMITTED ON THE OUTSIDE OF ENCLOSURE NATIONAL ELECTRICAL CODE INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE UNLESS OTHERWISE DETAILED OR DIMENSIONED, ELECTRICAL LAYOUT DRAWINGS ARE DIAGRAMATIC. 27. EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A NOT IN CONTRACT REQUIREMENTS, THE NOTES, SPECIFICATIONS, OR CODES WHICH ESTABLISH HOME-RUN TO PANEL 2#12 WIRES NIC THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ELECTRICAL MATERIAL AND EQUIPMENT WITH AND PRESCRIBE THE MORE COMPLETE OR THE HIGHER STANDARD SHALL MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED NIGHT LIGHT THE WORK SWITCHES, OUTLETS & FIXTURE LOCATIONS SHALL BE CONFIRMED WITH ARCHITECT PREVAIL. CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT NTS NOT TO SCALE TOGGLE SWITCH AT +44" A.F.F. SUBSCRIPTS PRIOR TO INSTALLATION. ORIGINATES.(210.4) INDICATE THE FOLLOWING: 2-TWO POLE; 3. THE CONTRACTOR SHALL LIMIT NUMBER OR DIRECTIONAL CHANGES OF CONDUIT FOR A TOTAL OF 10. EXACT ROUTING OF ALL CONDUITS WITHIN THE EXISTING BUILDING SHALL P POLE 3-THREE WAY: 4-FOUR WAY:A,B,C-NUMBER NOT MORE THAN 270 DEGREES IN ANY RUN BETWEEN PULL BOXES. CONDUIT RUNS SHALL BE PC PHOTOCELL BE DETERMINED BY THE CONTRACTOR . ANY COST REQUIRED TO ROUTE 28. PROVIDE SEPARATE SUBMITTAL, OBTAIN ALL REQUIRED PERMITS, OF SWITCHES; M-MOTION SENSOR D-DIMMER LIMITED TO 400' FOR EACH 90 DEGREES CHANGE IN DIRECTION. CONDUITS DIFFERENTLY THAN IS SHOWN ON THESE DRAWINGS SHALL BE INSPECTIONS AND APPROVALS FOR ALL FIRE ALARM SYSTEM RELOCATED 4. SINGLE CONDUITS SHALL BE SEPARATED FROM AC POWER AND CONTROL CONDUITS. THE MINIMUM T-TIMER H-HUMIDITY SENSOR INCURRED BY THE ELECTRICAL CONTRACTOR. INSTALLATIONS AND/OR MODIFICATIONS. RECEPTACLE RECPT. SEPARATION SHALL BE 12" FOR RIGID STEEL AND 24" FOR PVC CONDUITS. LIGHT FIXTURE DESIGNATION. 5. EXPOSED CONDUIT SHALL RUN PARALLEL AND PERPENDICULAR TO WALLS, STRUCTURAL MEMBERS. 11. 11.ALL MATERIALS AND EQUIPMENT SHALL BE DELIVERED TO THE SITE 29. PROVIDE SEPARATE SUBMITTAL FOR ALL ELECTRICAL SUBSYSTEMS TIME CLOCK FIXTURE "A", 64 WATTS. NO CONDUIT SHALL APPROACH CLOSER THAN 6" TO ANY OBJECT OPERATING ABOVE 80 DEGRESS NEW. IN THEIR ORIGINAL UNBROKEN PACKAGES BEARING APPROVAL BY TELEPHONE WITH POWER SUPPLY(S) OF MORE THAN 50VA AND/OR 24V (E.G., U.L., NEMA, NBFU,OR OTHER APPROPRIATE AGENCY, AND INSTALLED PER SECURITY ,CARD READERS, TELCO/DATA,PA,AUDIO/VISUAL,NURSE CONDUIT CONCEALED ABOVE CEILING OR TYP. 6. LIQUID-TIGHT, FLEXIBLE STEEL CONDUIT SHALL BE USED FOR THE FINAL CONNECTION TO UL UNDERWRITERS LABORATORY THEIR GUIDELINES. CALL, HVAC AND REFRIGERATION CONTROLS, ETC.). EQUIPMENT, DEVICES AND INSTRUMENTS WHERE FLEXIBILITY IS REQUIRED. 7. LIGHTS AND RECEPTACLE CIRCUITS SHALL NOT BE IN CONDUIT WITH THE LOW VOLTAGE OR 12. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONING ELECTRICAL UNLESS OTHERWISE NOTED \bigcirc 30. ALL INSTALLED MATERIALS AND EQUIPMENT SHALL BE LISTED —(E)— SIGNAL /DATA CIRCUITS. EXISTING CIRCUIT/CONDUIT SYSTEM MEETING THE INTENT OF THESE PLANS AND SPECIFICATIONS. ALL U.L., NRTL OR LISTED AND APPROVED BY AN APPROVED LISTED 8. CONDUITS, WIRING OR MOUNTING OF DEVICES NOT SHOWN ON THE ELECTRICAL OR INSTRUMENTATION SYSTEMS SHALL BE IN FOR INSPECTION. CONDUIT UNDER SLAB OR BELOW GRADE TRANSFORMER LABORATORY.. XFMR DRAWINGS BUT REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM SHALL BE PROVIDED. **VOLTS** $\bar{\circ}$ 9. UNLESS OTHERWISE SPECIFIED, SWITCHES SHALL BE MOUNTED 48" ABOVE FINISH FLOOR, RECEPTACLES 0 13. ELECTRICAL CONTRACTOR SHALL MAINTAIN GROUND CONTINUITY TO EVERY WP WEATHERPROOF FLUORESCENT LIGHT FIXTURE-VARIATIONS SHALL BE MOUNTED 15" ABOVE FINISHED FLOOR. OUTLET PER C.E.C 2022 TABLE 250-112. 0 $\stackrel{\sim}{\perp} \approx$ 10. ELECTRICAL EQUIPMENT AND ENCLOSURES, METAL SURFACES OF EQUIPMENT, AND METAL STRUCTURAL MEMBERS SHALL BE GROUNDED. GROUNDING SYSTEMS SHALL BE PROVIDED IN COMPLIANCE WITH 14. ALL WIRES AND CABLES SHALL BE COPPER, 600 VOLT, #12 AWG CODE INFORMATION: THE CEC AND AS SPECIFIED ON THE DRAWINGS. MINIMUM.EXCEPT CONTROL WIRING WHICH SHALL BE #18 THWN. TYPE OF CEILING MOUNTED LIGHT FIXTURE THE CONTRACTOR SHALL CONFORM TO ALL CODES, ORDINANCES, ETC. 11. GROUNDING CONDUCTORS SHALL BE A SUFFICIENT LENGTH TO REACH THE FINAL CONNECTION POINT INSULATION AS NOTED ON DRAWINGS AND AS FOLLOWS: WITHOUT SPLICING. WHICH HAVE JURISDICTION OVER THIS WORK. BELOW IS A LIST OF SSRO THHN/THWN INSULATION FOR #4 AWG AND SMALLER. FAN & LIGHT COMBINATION 12. A SEPARATE GROUND SHALL BE RUN IN EACH POWER CONDUIT. THE CONDUCTOR SHALL BE SIZED MAJOR STANDARDS LISTED FOR CONVENIENCE ONLY. REFERENCE TO • THW OR THHN/THWN INSULATION FOR #2 AWG AND LARGER. IN ACCORDING WITH CEC TABLE 250-95. THE CONDUCTOR SHALL BE BOUNDED TO THE INSIDE OF A STANDARD MEANS, THE LATEST EDITION OF SUCH STANDARD AT THW USED FOR ALL PANEL FEEDERS AND SERVICE CONDUCTORS. WALL MOUNTED FIXTURE THE DEVICE JUNCTION BOX. DATE OF BUILDING PERMIT. THE CONTRACTOR SHALL RETAIN THHN INSULATION TYPE SHALL BE USED WHERE CONDUCTORS ARE 13. THE LOCATION AND TYPE OF FIXTURES AND RECEPTACLES ARE SHOWN ON THE DRAWINGS. INSTALLED IN CONDUITS EXPOSED TO THE WEATHER. RACEWAYS AND WIRE SHALL BE PROVIDED FROM THE FIXTURE. SWITCHES AND RECEPTACLES TO ¥ C < RESPONSIBILITY FOR COMPLIANCE WITH LATEST REVISIONS OF ALL EMERGENCY LIGHT FIXTURE, WALL MOUNTED PRO EA CL THE LIGHTING PANEL IN ACCORDANCE WITH THE NEC. OTHER APPLICABLE CODES AND ORDINANCES NOT LISTED HEREIN 14. FIXTURES LABELED TO REQUIRED CONDUCTORS WITH A TEMPERATURE RATING EXCEEDING 75 FLUORESCENT FIXTURE WITH 15. ALL ELECTRICAL EQUIPMENT SHALL BE ANCHORED FOR SEISMIC LOADING DEGREES C SHALL BE SPLICED TO CIRCUIT CONDUCTORS IN A SEPARATELY MOUNTED JUNCTION EMERGENCY BATTERY PACK CALIFORNIA BUILDING CODE (CBC) 2022 TO RESIST A HORIZONTAL FORCE ACTION IN ANY DIRECTION USING THE BOX. FIXTURE SHALL BE CONNECTED TO JUNCTION BOX USING FLEXIBLE CONDUIT WITH A CALIFORNIA MECHANICAL CODE (CMC) 2022 FOLLOWING CRITERIA: TEMPERATURE RATING EQUAL TO OR GREATER THAN THAT OF THE FIXTURE. EXIT LIGHT FIXTURE 15. PHOTOELECTRIC CELLS SHALL BE ORIENTED TOWARD THE NORTH. a. FIXED EQUIPMENT ON GRADE 33% OF OPERATING WEIGHT CALIFORNIA PLUMBING CODE (CPC) 2022 16. THE CONTRACTOR SHALL TYPE IN THE CIRCUIT DESCRIPTION ON THE CIRCUIT DIRECTORY AS SHOWN b. FIXED EQUIPMENT ON STRUCTURE 50% OF OPERATING WEIGHT CALIFORNIA ELECTRICAL CODE (CEC) 2022 LIGHT FIXTURE - RECESSED ON THE FINAL RECORD DRAWINGS. CALIFORNIA ENERGY CODE (TITLE 24, PART 6) 2022 c. FOR FLEXIBILITY MOUNTED EQUIPMENT, USE 2 TIMES THE ABOVE VALUES. EMERGENCY LIGHT FIXTURE WITH INTERNAL SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES HORIZONTAL FORCE. BATTERY UNIT ELECTRICAL SERVICE NOTES 0 THIS CRITERIA APPLIES TO EQUIPMENT ON THE FLOOR, WALL, OR ROOF WITH AN OPERATING WEIGHT OF LESS THAN 1,000 LB. POWER POLE 1. ALL EQUIPMENT SHALL BE FULLY BUSSED AND BRACED FOR THE INTERRUPTING CURRENT PER 16. CONTRACTOR IS RESPONSIBLE FOR ALL CORING, CUTTING, PATCHING, AND PUSH BUTTON POWER COMPANY REQUIREMENTS. REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY 2. ALL EQUIPMENT SHALL BE U.L. LISTED AND INSTALLED AS PER LISTING AND LABELING. PENETRATION, ALL OPENINGS MADE SHALL BE SEALED TO MEET THE FIRE FUSIBLE DISCONNECT SWITCH AS NOTED 3. CIRCUIT BREAKERS USED AS SWITCHES SHALL BE LISTED FOR SWITCHING DUTY AND MARKED RATING AND STRUCTURAL INTEGRITY OF THE PARTICULAR WALL, FLOOR, "SWD" PER C.E.C. 240-83(D) OR CEILING. SAFETY DISCONNECT SWITCH AS NOTED **PROJECT NO.:** 4. ALL CIRCUIT BREAKERS SHALL BE MOLDED CASE THERMAL MAGNETIC AND RATED FOR AVAILABLE 224642 SHORT CIRCUIT CURRENT. PATHWAY LIGHT GROUNDING AND GROUND CONTINUITY PER C.E.C. 250. DATE: SERVICE EQUIPMENT SIZE VARIES WITH MANUFACTURES VERIFY EXACT EQUIPMENT DIMENSION WITH 08/07/2022 CONDUIT DESIGNATION. PO1, 1" CONDUIT True North Compliance Services, Inc. MANUFACTURER. SCALE: 7. ALL CIRCUITS SHALL BE CLEARLY IDENTIFIED AND MARKED ON PANEL BOARD CIRCUIT I.D. TAG. PLAN REVIEW APPROVAL AS SHOWN 8. ALL FUSE HOLDERS FOR CURRENT LIMITING FUSES SHALL BE REJECTION TYPE. SMOKE DETECTOR/CARBON MONOXIDE DETECTOR COMBO DRAWING NO. PULL BOX Areli Sanchez DATE: 12/06/2023 WATT METER Plotted: Wednesday, November 08, 2023 12:37 PM 10 11 12 13 14











True North Compliance Services, Inc. PLAN REVIEW APPROVAL Areli Sanchez DATE: 12/06/2023

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DESCRIPTION AND

VARIATIONS

2GTL4 4400LM LP840 OR EQUAL

2X4 LED FIXTURE WITH BATTERY

4400LM EL14L LP840 OR EQUAL

BACKUP LITHONIA CAT#: 2GTL4

4" LED DIMABLE DOWN LIGHT

1X1 LED FIXTURE WESTGATE

4000LM MVOLT 40K 80CRI OR

EMERGENCY LIGHT WITH MINIMUM

90 MINUTES BACKUP BATTERY

MINUTES BACKUP BATTERY WITH

ENERGY STAR RESTROOM FAN.

SEE MECHANICAL PLANS FOR

BATHROOM FAN SCHEDULES.

EMERGENCY LIGHT COMBO. LITHONIA

|CAT#: LHQM—LED—R—HO OR EQUAL

EXIT SIGN WITH MINIMUM 90

SSL12-MCT5 OR EQUAL

EQUAL

LITHONIA LDN4 3510 OR EQUAL

LED STRIP LIGHT LITHONIA CSS L48

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PRO EA

PROJECT NO.: 224642 DATE: 08/07/2022

SCALE: AS SHOWN DRAWING NO.

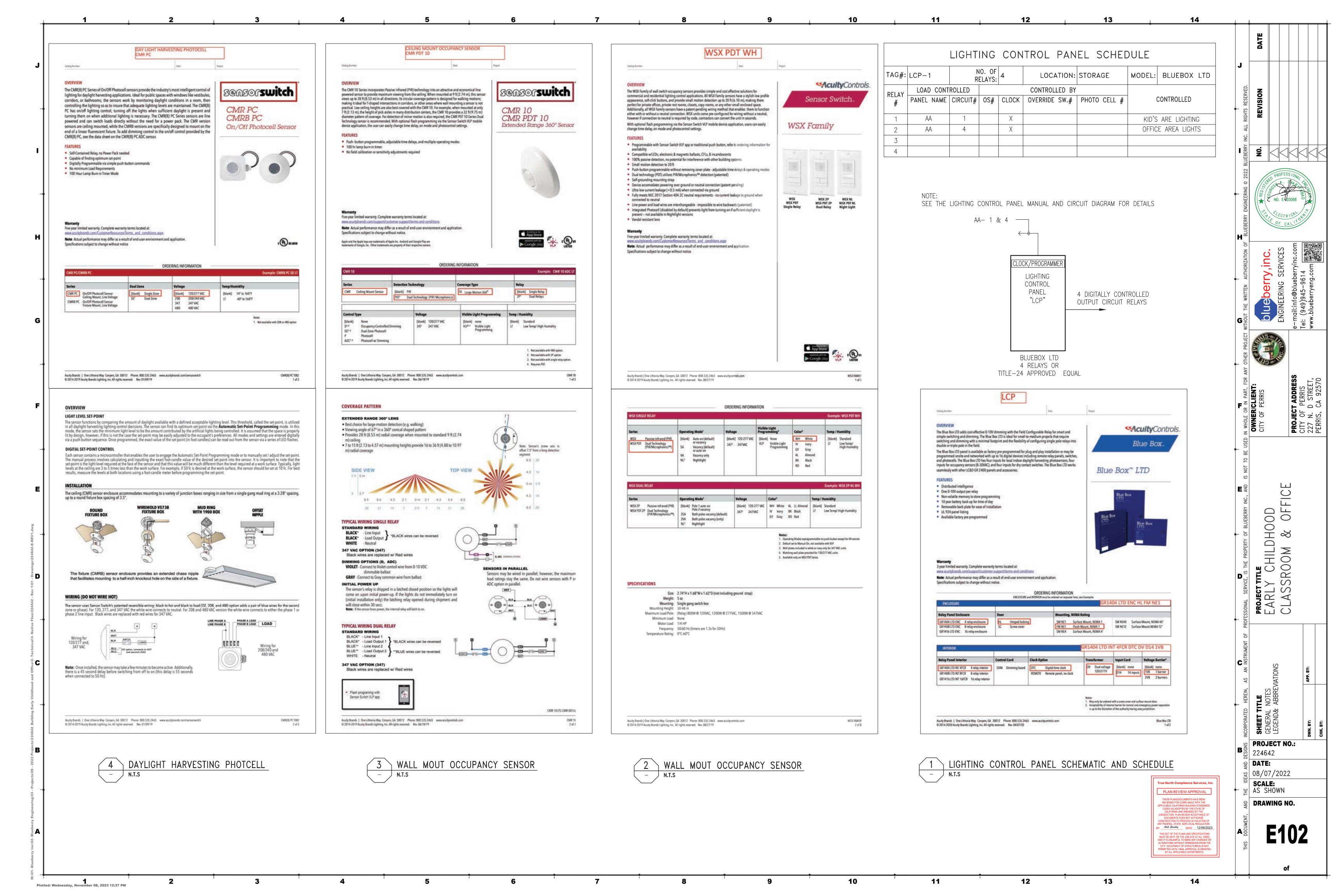
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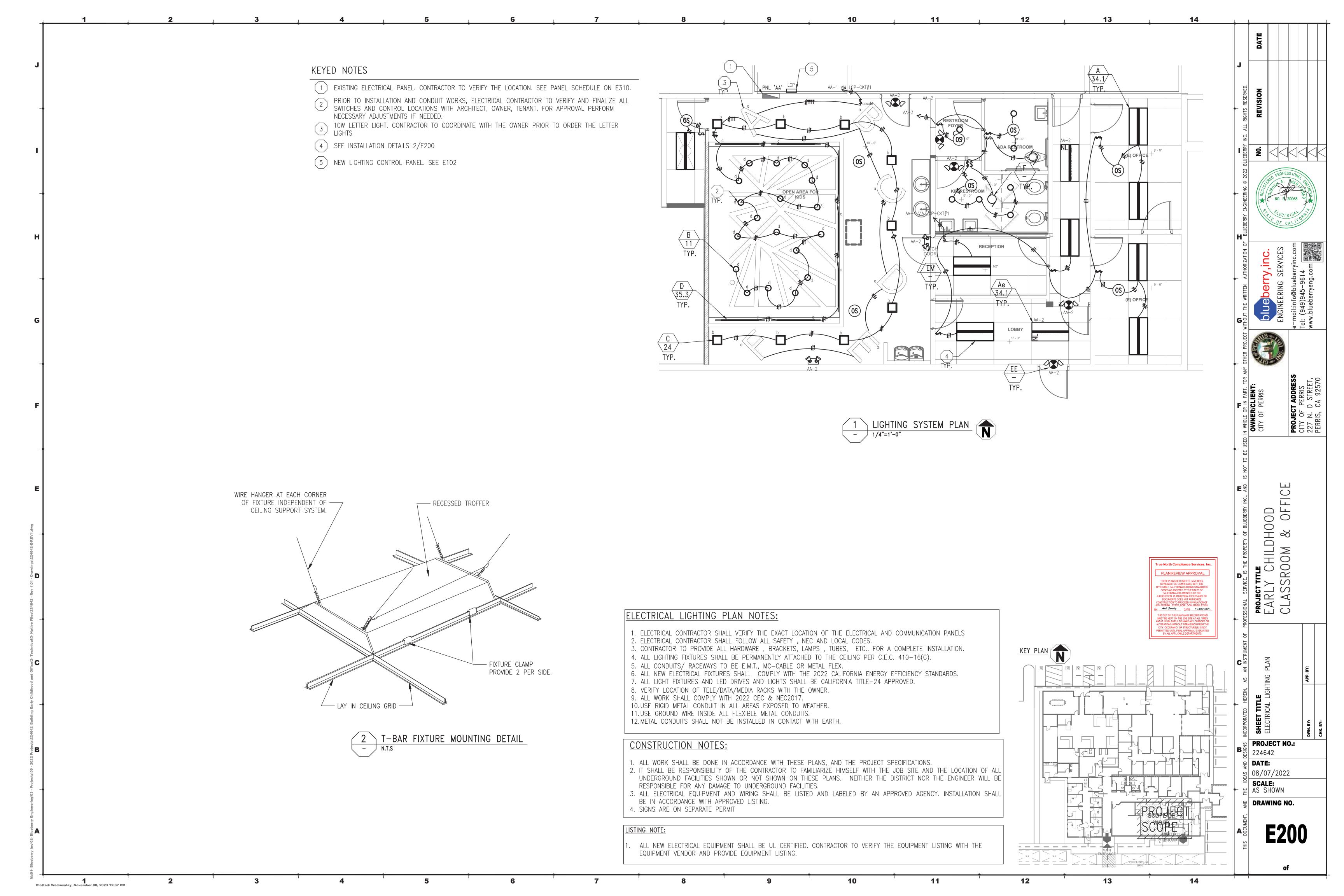
10

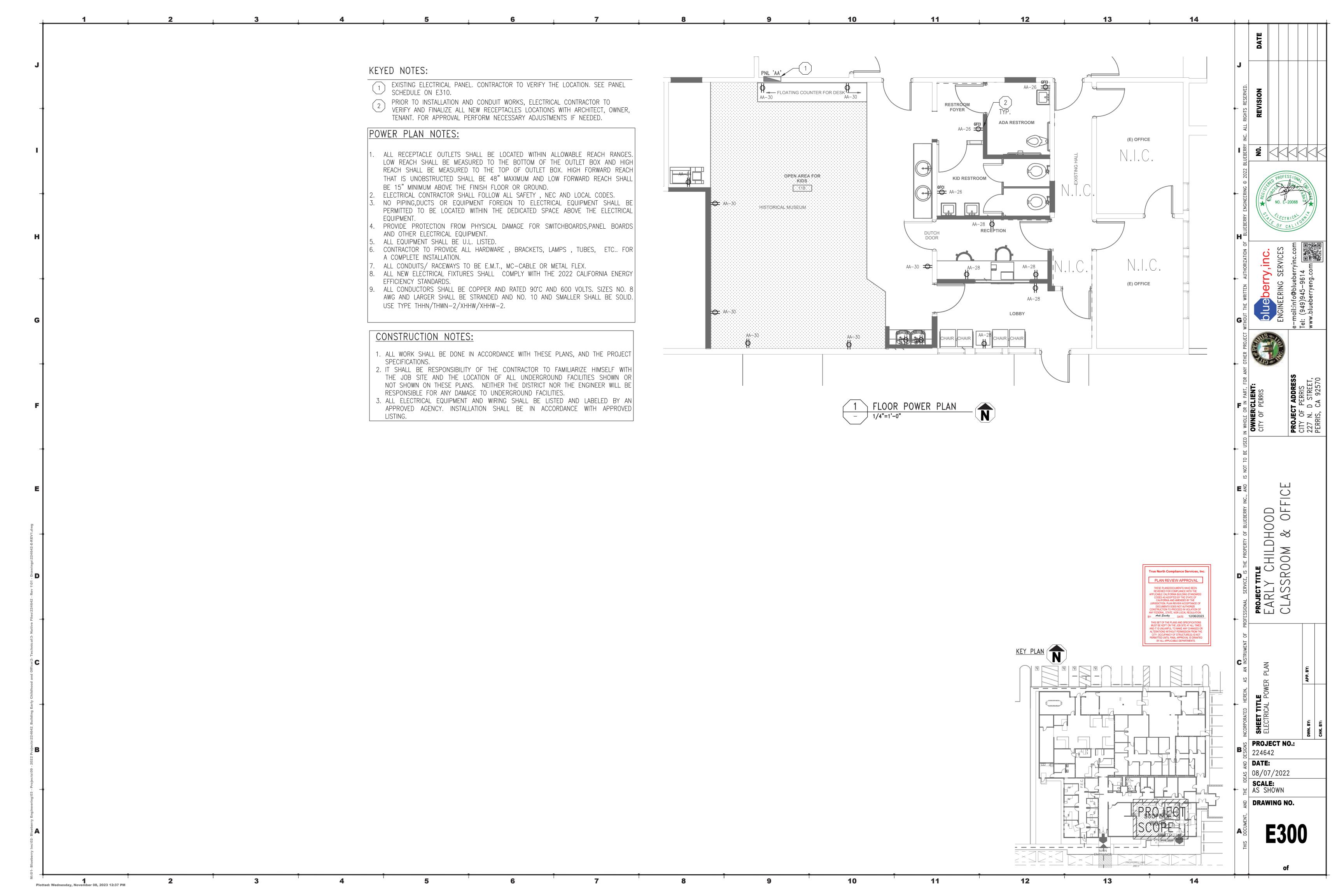
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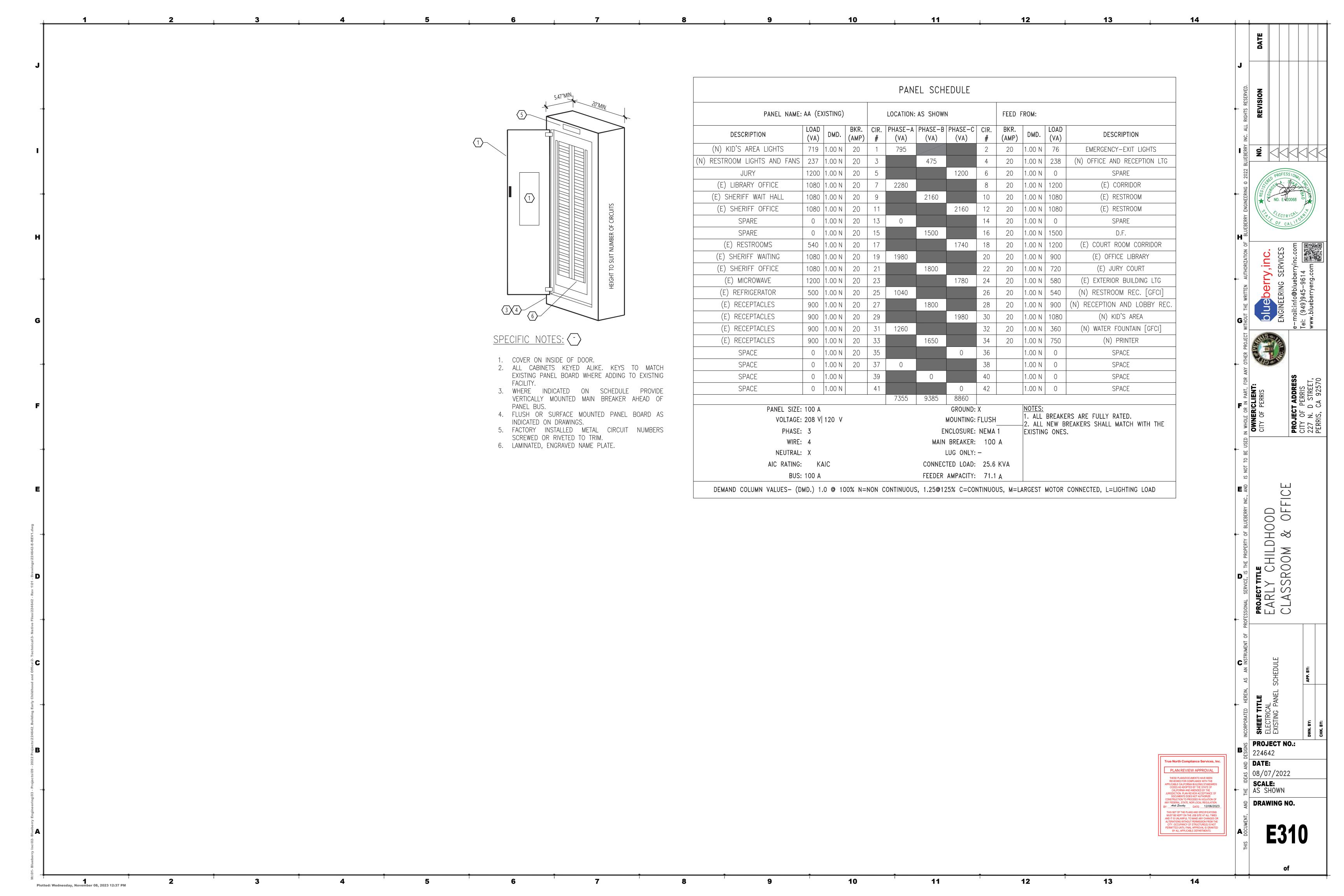
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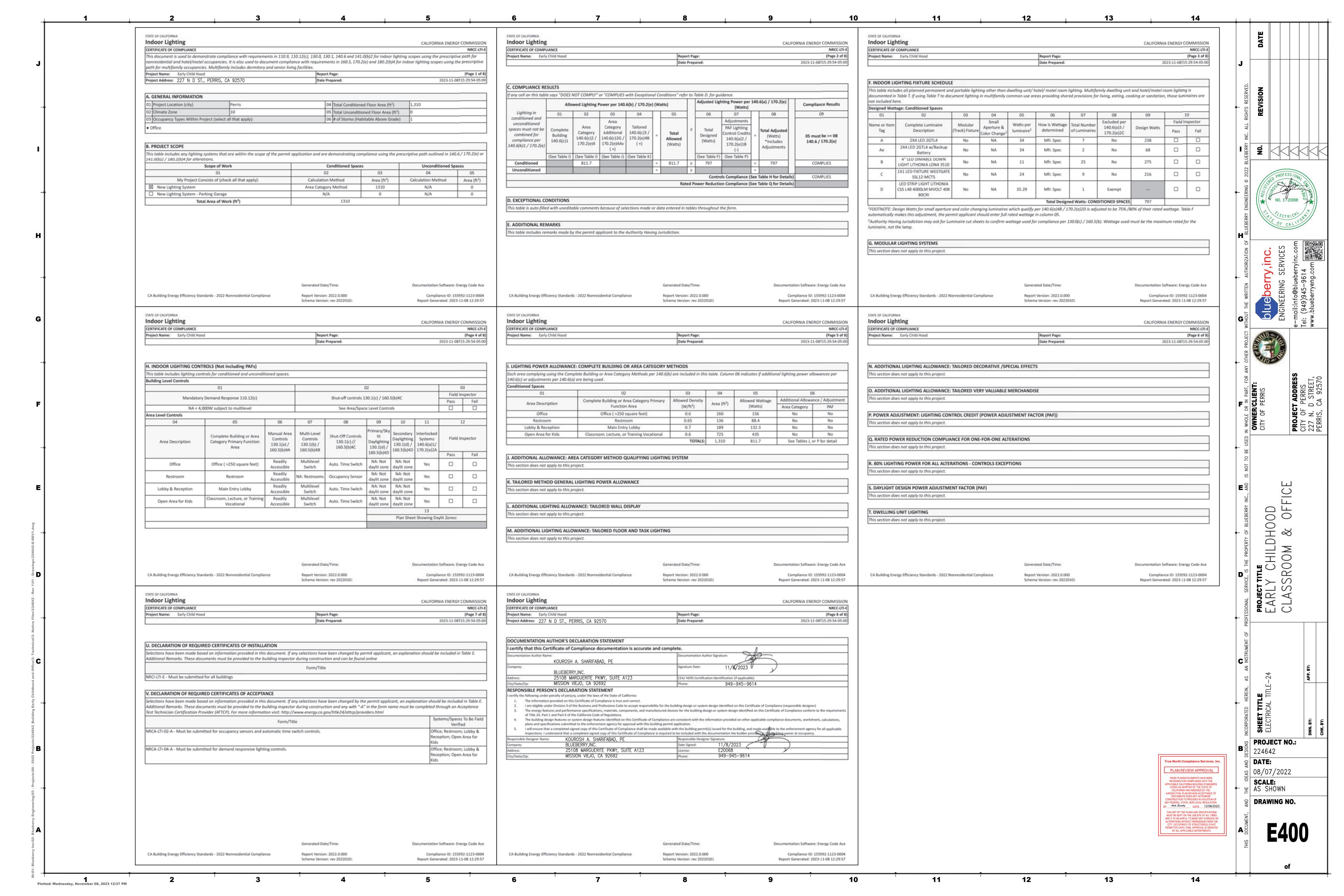
13











ADDITIONAL NOTES:

- 1. ALL MECHANICAL EQUIPMENT AND SYSTEMS INSTALLED AS PART OF PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE AND THE 2022 CALIFORNIA BUILDING CODE, 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE AND THE 2022 CALIFORNIA BUILDING ENERGY FFFICIENCY STANDARDS.
- 2. PROVIDE 120 VOLT ELECTRICAL OUTLETS WITHIN 25 FT. OF ALL ROOF MOUNTED AND OUTDOOR MECHANICAL EQUIPMENT. (CMC 301.4) ALL MECH. EQUIP. (CMC 301.4)
- 3. ALL DUCTWORK FOR HEATING AND COOLING SYSTEM OR EVAPORATIVE COOLING SYSTEM SHALL BE CONDUCTED THROUGH DUCT SYSTEMS CONSTRUCTED OF METAL AS SET FORTH IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARD - METAL AND FLEXIBLE. FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL COMPLY WITH THE 2022 CMC REFERENCED STANDARDS CHAPTER 17. (CMC 602.1)
- 4. THE REQUIRED SERVICE DISTANCE FROM MECHANICAL EQUIPMENT TO SCREENING, PARAPETS, WALLS AND OTHER EQUIPMENT SHALL BE A MINIMUM OF 30" > 30" ON THE SERVICE SIDE OF THE EQUIPMENT, OR AS REQUIRED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, IF THE INSTRUCTIONS REQUIRE A GREATER CLEARANCE. (CMC SECTION 304.1)

5. ALL APPLIANCES DESIGNED TO BE IN A FIXED POSITION SHALL BE SECURELY FASTENED IN PLACE IN ACCORDANCE WITH THE MANUFACTURE'S INSTALLATION

- INSTRUCTIONS. SUPPORTS FOR APPLIANCES SHALL BE DESIGNED AND CONSTRUCTED TO RESIST HORIZONTAL AND VERTICAL LOADS WITHIN THE STRESS LIMITATIONS OF THE CBC. (CMC 303.5)
- 6. EQUIPMENT AND APPLIANCES SHALL BE ACCESSIBLE FOR SERVICE, INSPECTION REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION. SUFFICIENT CLEARANCE SHALL BE MAINTAINED TO PERMIT CLEANING, REPLACEMENT OF FILTERS, BLOWERS, MOTORS CONTROLS AND LUBRICATION OF MOVING PARTS. 30 INCHES OF CLEARANCE IN DEPTH WIDTH AND HEIGHT SHALL BE PROVIDED TO SERVICE THE APPLIANCE OR EQUIPMENT. (CMC 304.1)
- MECHANICAL DUCT PENETRATIONS OF A NON-FIRE RESISTANCE RATED FLOOR ASSEMBLY SHALL BE PROTECTED WITH A SHAFT ASSEMBLY IN ACCORDANCE WITH CBC SECTION 708. OR, WHEN THE DUCT CONNECTS NOT MORE THAN TWO STORIES, THE ANNULAR SPACE AROUND THE PENETRATING DUCT MUST BE PROTECTED WITH AN APPROVED NONCOMBUSTIBLE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND PRODUCTS OF CONSTRUCTION. (CBC 716.6.3)
- 8. OUTSIDE AIR FOR A HEATING OR COOLING SYSTEM SHALL NOT BE TAKEN FROM CLOSER THAN 10 FEET FROM AN APPLIANCE VENT OUTLET, VENT OPENING OF A PLUMBING SYSTEM, OR THE DISCHARGE OUTLET OF EXHAUST FAN, UNLESS THE OUTLET IS 3 ABOVE THE OUTSIDE AIR INLET. (CMC 314.3)
- 9. ALL MATERIALS EXPOSED WITHIN DUCTS AND PLENUMS INCLUDING ANY ABOVE CEILING RETURN AIR PLENUM SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED TWENTY-FIVE (25) AND A SMOKE DEVELOPED INDEX NOT TO EXCEED THEN FIFTY (50) WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E 84 OR UL 723 AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2013 CMC SECTION 602.2

CODE INFORMATION:

1 Plotted: Wednesday, November 08, 2023 12:45 PM

THE CONTRACTOR SHALL CONFORM TO ALL CODES, ORDINANCES, ETC. WHICH HAVE JURISDICTION OVER THIS WORK. BELOW IS A LIST OF MAJOR STANDARDS LISTED FOR CONVENIENCE ONLY. REFERENCE TO A STANDARD MEANS, THE LATEST EDITION OF SUCH STANDARD AT DATE OF BUILDING PERMIT. THE CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR COMPLIANCE WITH LATEST REVISIONS OF ALL OTHER APPLICABLE CODES AND ORDINANCES NOT LISTED HEREIN

CALIFORNIA BUILDING CODE (CBC) 2022

- CALIFORNIA MECHANICAL CODE (CMC) 2022
- CALIFORNIA PLUMBING CODE (CPC) 2022
- CALIFORNIA ELECTRICAL CODE (CEC) 2022 CALIFORNIA ENERGY CODE (TITLE 24, PART 6) 2022

MECHANICAL GENERAL NOTES:

- CONTRACTOR SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS.INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY OWNER OF ANY DISCREPANCIES BEFORE STARTING WORK.
- DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK , CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, UBC, OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK.OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- MOUNT PROGRAMMABLE THERMOSTATS AT 48" AFF CENTERLINE UNLESS INDICATED OTHERWISE ON PLAN.
- ALL ELBOWS TO BE RADIUS UNLESS SPECIFICALLY SHOWN OTHERWISE.

INSTALL DUCTWORK TIGHT TO BOTTOM OF STRUCTURE. ALL VOLUME DAMPERS SHALL BE LOCKING TYPE.

- MECHANICAL CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, PIPING OR EQUIPMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RECEIVE, OFF-LOAD, STORE, INSURE, CARRY UP , DISPOSE OF DEBRIS AND SET IN PLACE ALL OWNER FURNISHED ITEMS AND EQUIPMENT
- MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION AND COOPERATION TO THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR COMPLETION AND COORDINATION OF THE COMPLETE PROJECT MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH I
- INSTALLS. 13. ALL FLEXIBLE DUCTS SHALL BE SUPPORTED EVERY 3'-0" WITH 2" WIDE GALVANIZED STEEL BANDS WITH A MINIMUM
- OF ONE PER EACH SECTION OF FLEXIBLE DUCT. THE MAXIMUM ALLOWABLE LENGTH OF THE FLEX DUCT SHALL BE
- NO FLEXIBLE DUCTWORK SHALL BE ALLOWED IN EXPOSED CONDITION FOR ABOVE INACCESSIBLE CEILINGS. 15. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
- 16. ALL MECHANICAL EQUIPMENTS SHALL BE INSTALLED , ANCHORED AND BRACED IN ACCORDANCE WITH LOCAL SEISMIC RESTRAINT REQUIREMENTS.
- PROVIDE SPLITTER DAMPERS AT ALL SUPPLY AIR BRANCH DUCT TAKEOFFS FROM MAIN DUCT.
- 18. CONCEALED DUCTWORK SHALL BE NEW , PRIME GRADE, CONTINUOUS HOT-DIP MILL GALVANIZED, LOCK-FORMING QUALITY STEEL SHEETS. EXPOSED DUCTWORK SHALL BE "PAINT-GRIP". DUCTS SHALL BE LOW PRESSURE CLASSIFIED WITH 2 IN. WG AND IN ACCORDANCE TO SMACNA STANDARDS. PROVIDE COLLARS AT EXPOSED DUCT WALL PENETRATIONS. DUCT LINING SHALL BE 1" ACOUSTICAL DUCT LINING IN ACCORDANCE WITH SMACNA STANDARDS. SHEET METAL

GALVANIZED IRON FABRICATED AND INSTALLED AS PER 2022 CALIFORNIA MECHANICAL CODE AND CALIFORNIA TITLE 24 STANDARD.

SUPPLY AND RETURN MAINS

- A. SPIRAL DUCT FABRICATED, INSTALLED AND INSULATED AS PER CODE.
- B. RECTANGULAR OR ROUND, FABRICATED AND INSTALLED AS PER UNIFORMED MECHANICAL CODE AND INSULATED PER INSULATION SCHEDULE
- FINAL CONNECTORS TO AIR DEVICES FLEXIBLE FIBERGLASS DUCT. MAXIMUM 7"-0" LONG. 1 1/2" THICK HEAVY DENSITY FIBERGLASS WITH LINER AND CAPOR JACKET, CLASS 1, STANDARD 181.
- 19. WITHIN 90 DAYS AFTER ISSUANCE OF CERTIFICATE OF OCCUPANCY RECORD DRAWINGS SHALL BE PROVIDED TO THE OWNER IF ANY CHARACTERISTIC IS MATERIALLY CHANGED BEFORE FINAL CONSTRUCTION AND INSTALLATION SUCH THAT THE BUILDING MAY NO LONGER COMPLY WITH PART6, THE BUILDING MUST BE BROUGHT INTO COMPLIANCE, AND SO INDICATED ON AMENDED PLANS AND CERTIFICATE OF COMPLIANCE THAT SHALL BE SUBMITTED FOR PLAN
- APPROVAL.SEC.10-103(a)2B 20. THE BUILDER SHALL PROVIDE THE BUILDING OWNER OR THE PERSON(S) RESPONSIBLE FOR BUILDING MAINTENANCE (IN CASE OF MULTI-TENENANT OR CENTRALLY OPERATED BUILDINGS) AT OCCUPANCY THE FOLLOWING:
- A. OPERATING INFORMATION: THE APPROPRIATE CERTIFICATE(S) OF COMPLIANCE AND A LIST OF THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING AND INSTRUCTIONS ON HOW TO OPERATE THEM EFFICIENTLY.
- MAINTENANCE INFORMATION: REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING THE OPERATION AND MAINTENANCE MANUAL.
- C. VENTILATION INFORMATION: A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RE-CIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA.SEC.10-13(b)

TITLE24 NOTES:

THE OWNERS USE.

- DUCTWORK, INCLUDING INSULATION, SHALL CONFIRM TO CALIFORNIA ADMINISTRATIVE CODE, 2022 TITLE 24, AND THE CMC LOW VELOCITY DUCT CONSTRUCTION STANDARDS, LATEST 2022 EDITION.
- THE PIPING FOR ALL SPACE CONDITIONING AND SYSTEMS SHALL BE INSULATED IN ACCORDANCE WITH TABLE 4-3 OF THE CALIFORNIA ENERGY COMMISSION, 2022 ENERGY EFFICIENCY STANDARDS MANUAL.
- TRANSVERSE JOINTS FOR ALL AIR SUPPLY DUCTS INSTALLED WHERE AIR LEAKAGE WOULD BE NON-BENIFICIAL TO THE OCCUPIED AREA TEMPERATURE REQUIREMENTS SHALL BE SEALED WITH APPROVED MASTIC TAPE. A MAINTENANCE LABEL SHALL BE AFFLICTED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR
- DUCT SYSTEMS USED WITH BLOWER TYPE EQUIPMENT WHICH ARE PORTIONS OF A HEATING, COOLING, ABSORPTION, EVAPORATIVE COOLING OR OUTDOOR AIR VENTILATION SYSTEM SHALL BE SIZED IN ACCORDANCE WITH CHAPTER 17 REFERENCE STANDARDS OF THE CALIFORNIA MECHANICAL CODE.
- THE PERSON WITH THE OVERALL RESPONSIBILITY FOR CONSTRUCTION OR THE PERSON RESPONSIBLE FOR THE INSTALLATION OF THE REGULATED MANUFACTURED DEVICES SHALL POST, OR MAKE AVAILABLE WITH THE BUILDING PERMIT(S) ISSUED FOR THE BUILDING, THE INSTALLATION CERTIFICATE(S) SHALL BE MADE AVAILABLE TO THE ENFORCEMENT AGENCY FOR ALL APPROPRIATE INSPECTIONS. THESE CERTIFICATES SHALL:
 - IDENTIFY FEATURES REQUIRED TO VERIFY COMPLIANCE WITH THE APPLIANCE STANDARDS AND PART 6. B. INCLUDE A STATEMENT INDICATED THAT THE INSTALLED DEVICES CONFORM TO THE APPLIANCE STANDARDS AND PART 6 AND THE REQUIREMENTS FOR SUCH DEVICES GIVEN IN THE PLANS AND SPECIFICATION APPROVED BY THE LOCAL ENFORCEMENT
- C. STATE THE NUMBER OF THE BUILDING PERMIT UNDER WHICH THE CONSTRUCTION OR INSTALLATION WAS PERFORMED. 7-AFTER INSTALLING WALL, CEILING, OR FLOOR INSULATION, THE INSTALLER SHALL MAKE AVAILABLE TO THE ENFORCEMENT AGENCY
- OR POST IN A CONSPICUOUS LOCATION IN THE BUILDING A CERTIFICATE SIGNED BY THE INSTALLER STATING THAT THE INSTALLATION IN CONSISTENT WITH THE PLANS AND SPECIFICATIONS MATERIAL IDENTIFICATION, AND INSTALLED R-VALUE.
- 8-JOINTS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, CASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EX-FLITRATION.
- 9-INSULATING MATERIAL SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAMEPROOF RATING AND SMOKE DENSITY REQUIREMENTS OF THE SECTIONS 707 OF THE CBC.

- HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC RESISTANCE HEATERS SHALL HAVE CONTROLS: A. THAT PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP
- ALONE: AND B. IN WHICH THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING IS HIGHER THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND CUT-OFF TEMPERATURE FOR COMPRESSION HEATING IS HIGHER THAN THE $\mid J \mid$ CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING. SEC.112(b)
- 22. THE LESSER OF MINIMUM RATE OF OUTDOOR AIR REQUIRED BY SEC. 21-B OR THREE COMPLETE AIR CHANGES SHALL BE SUPPLIED TO THE ENTIRE BUILDING DURING THE ONE—HOUR PERIOD IMMEDIATELY BEFORE THE BUILDING! IS NORMALLY OCCUPIED. SEC.121(C)2
- 23. ALL AIR DISTRIBUTION SYSTEMS DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, L MECHANICAL CLOSETS. AIR-HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS. SHALL INSTALLED. SEALED AND INSULATED TO MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE SUPPLY-AIR AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8. UNLESS DUCTS ARE IN CONDITIONED SPACE. SEC. 124(a)
- 24. THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL MEET THE FOLLOWING REQUIREMENTS AS APPLICABLE: A. EACH SPACE CONDITIONINGS ZONE SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL THAT RESPONDS TO TEMPERATURE WITHIN THE ZONE AND MEETS THE APPLICABLE REQUIREMENTS OF SECTION (B).
- B. EACH THERMOSTATIC CONTROL REQUIRED BY SECTION (A) SHALL BE CAPABLE OF BEING SET LOCALLY OR REMOTELY BY ADJUSTMENT OR SELECTION OF SENSORS TO CONTROL:
 - COMFORT HEATING DOWN TO 55°F OR LOWER.
- COMFORT COOLING UP TO 85°F OR HIGHER. BOTH HEATING AND COOLING, THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING TEMPERATURE RANGE OR DEAD HAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING
- 25. OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE UPON FAN SHUTDOWN. SEC.122(f)
- 26. DEMAND CONTROL VENTILATION DEVICES(CO2 SENSORS) SHALL BE INSTALLED IN ACCORDANCE WITH SEC.121(c)4. SEC.121(c)4
- 27. EACH SPACE-CONDITIONING SYSTEM SHALL BE INSTALLED WITH CONTROLS THAT COMPLY WITH ITEMS "A" AND "B"
- A. ARE CAPABLE OF AUTOMATICALLY SHUTTING OFF THE SYSTEM DURING PERIODS OF NON-USE AND SHALL HAVE AN AUTOMATIC TIME SWITCH CONTROL DEVICE COMPLYING WITH SEC 119(c) WITH AN ACCESSIBLE MANUAL
- OVERRIDE THAT ALLOWS OPERATION OF THE SYSTEM FOR UP TO 4 HOURS; OR AN OCCUPANCY SENSOR: OR
- A FOUR-HOUR TIMER THAT CAN BE MANUALLY OPERATED. EXCEPTION: MECHANICAL SYSTEMS SERVING RETAIL STORES AND ASSOCIATED MALLS, RESTAURANTS, GROCERY STORES, CHURCHES, AND THEATERS EQUIPPED WITH 7-DAY PROGRAMMABLE TIMERS.
- AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM AS REQUIRED TO MAINTAIN: • A SETBACK HEATING THERMOSTAT SET POINT, IF THE SYSTEM PROVIDES MECHANICAL HEATING:

ENERGY TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM .SEC. 122(a)&(b)

- EXCEPTION: AREA WITH THE DESIGN WINTER OUTDOOR TEMP. OR GREATER THAN 32°F A SETUP COOLING THERMOSTAT SET POINT, IF THE SYSTEM PROVIDES MECHANICAL COOLING
- EXCEPTION: AREA WITH THE DESIGN SUMMER OUTDOOR TEMPERATURE. OF LESS THAN 100°F EXCEPTION: SYSTEMS SERVING HOTEL/MOTEL GUEST ROOMS, IF THEY HAVE A READILY ACCESSIBLE MANUAL
- SHUT-OFF SWITCH. SEC.122(e) 28. ALL MECHANICAL EQUIPMENT AND SYSTEMS INSTALLED, AS PART OF PROJECT
- REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE AND 2022 CALIFORNIA BUILDING CODE. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE AND THE 2022 CALIFORNIA BUILDING EFFICIENCY STANDARDS.
- ALL DUCTWORKS FOR HEATING AND COOLING SHALL BE CONDUCTED THROUGH DUCT SYSTEMS CONSTRUCTED OF METAL AS SET FOURTH IN THE ANSI/SMACNA 006-2006 HVAC DUCT CONSTRUCTION STANDARD-METAL FLEXIBLE: ANOTHER APPROVED METHOD. FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL COMPLY WITH THE 2022 CMC REFERENCED STANDARD CHAPTER 17.(CMC 602)
- 30. ALL DUCT SMOKE DETECTORS INSTALLED. AS PART OF THIS PROJECT SHALL BE SUPERVISED BY THE BUILDING FIRE DETECTION OR ALARM SYSTEM WHEN THE BUILDING IS EQUIPPED WITH SUCH SYSTEM.CITY FIRE DEPARTMENT FIRE IT PREVENTION BUREAU PLAN CHECK APPROVAL AND PERMIT ARE REQUIRED FOR CONNECTION OF DUCT SMOKE
- DETECTORS TO THE FIRE DETECTION OR ALARM SYSTEMS.(CMC609) 31. THE REQUIRED SERVICE DISTANCE FROM MECHANICAL EQUIPMENT TO SCREENING. PARAPETS, WALLS AND OTHER EQUIPMENT SHALL BE A MINIMUM OF 30"X30" ON THE SERVICE SIDE OF THE EQUIPMENT, OR AS REQUIRED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. IF THE INSTRUCTIONS REQUIRE A GREATER CLEARANCE . (CMC SECTION 35.0)
- 32. ALL APPLIANCES DESIGNED TO BE IN A FIXED POSITION SHALL BE SECURELY FASTENED IN PLACE. SUPPORTS FOR APPLIANCES SHALL BE DESIGNED AND CONSTRUCTED TO RESIST HORIZONTAL AND VERTICAL LOADS WITHIN THE STRESS LIMITATIONS OF THE CBC. (CMC303.4).
- 133. OUTSIDE AIR FOR A HEATING OR COOLING SYSTEM SHALL NOT BE TAKEN FROM CLOSER THAN 10 FEET FROM AN 1+ APPLIANCE VENT OUTLET, VENT OPENING OF A PLUMBING SYSTEM. OR THE DISCHARGE OUTLET OF EXHAUST FAN, UNLESS THE OUTLET IS 3FT. ABOVE THE OUTSIDE AIR INLET. (CMC 311.3).

SEISMIC NOTES:

- ANCHORAGE AND/OR SEISMIC RESTRAINTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.
- THE ANCHORAGE AND/ORSEISMIC RESTRAINT OF PERMANENT EQUIPMENT AND ASSOCIATED SYSTEMS LISTED SHALL BE DESIGNED TO RESIST THE TOTAL DESIGN SEISMIC FORCES PRESCRIBED IN SECTION 1632.2 OF THE 2022 CALIFORNIA BUILDING CODE.
- SEISMIC RESTRAINTS ARE REQUIRED FOR THE FOLLOWING INSTALLATIONS.REFER TO THE SMACNA GUIDELINES FOR ADDITIONAL REQUIREMENTS:
- A. FLOOR OR ROOF MOUNTED EQUIPMENT WEIGHTING 400LBS. OR GREATER.
- B. SUSPENDED OR WALL MOUNTED EQUIPMENT WEIGHTING 20LBS. OR GREATER C. VIBRATION ISOLATION EQUIPMENT WEIGHING 20LBS. OR GREATER.
- D. PIPING 1-1/4 INCHES NOMINAL DIAMETER AND LARGER LOCATED IN BOILER, MECHANICAL EQUIPMENT AND
- REFRIGERATION MECHANICAL ROOMS.
- E. PIPING 2-1/2 INCHES NOMINAL DIAMETER AND LARGER.
- F. DUCTWORK 6 SQUARE FEET AND LARGER IN CROSS SECTIONAL AREA. G. ROUND DUCTWORK 28 INCH DIAMETER AND GREATER.
- H. PIPES AND DUCTS SUPPORTED BY A TRAPEZE WHERE NONE OF THOSE ELEMENTS WOULD INDIVIDUALLY REQUIRE BRACING NEED NOT BE BRACED IF CONNECTIONS TO THE PIPE/DUCT OR DIRECTIONAL CHANGES DO NOT RESTRICT MOVEMENT OF THE TRAPEZE.
- IF THIS FLEXIBILITY IS NOT PROVIDED, BRACING IS REQUIRED WHEN THE COMBINED OPERATING WEIGHT OF ALL ELEMENTS SUPPORTED BY THE TRAPEZE IS 10 LBS/FT OR GREATER.

CALGREEN NOTES:

- . AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.(CAL GREEN 5.410.4.4)
- 2. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING AND COOLING AND VENTILATION EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER OR DEBRIS WHICH MAY ENTER THE SYSTEM.(CAL GREEN 5.504.3)

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224642 DATE: 08/07/2022

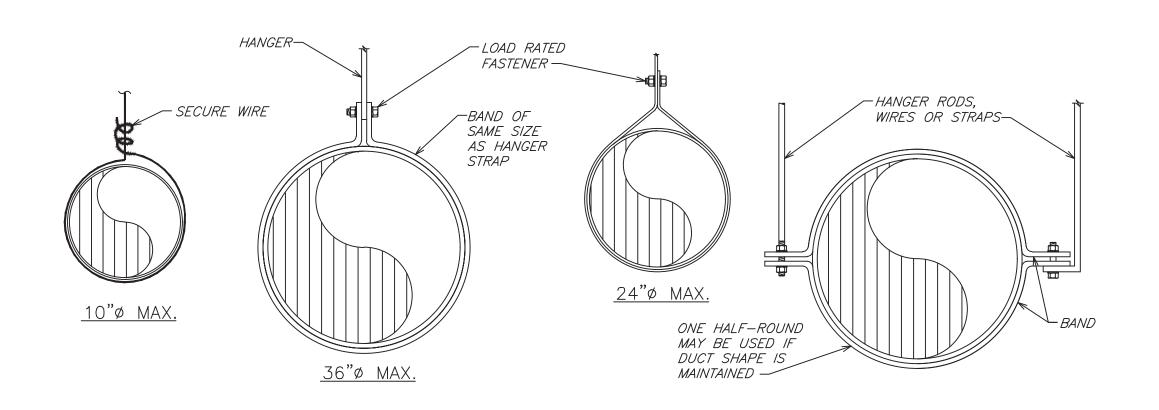
SCALE: AS SHOWN

DRAWING NO.

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PROJECT NO.:



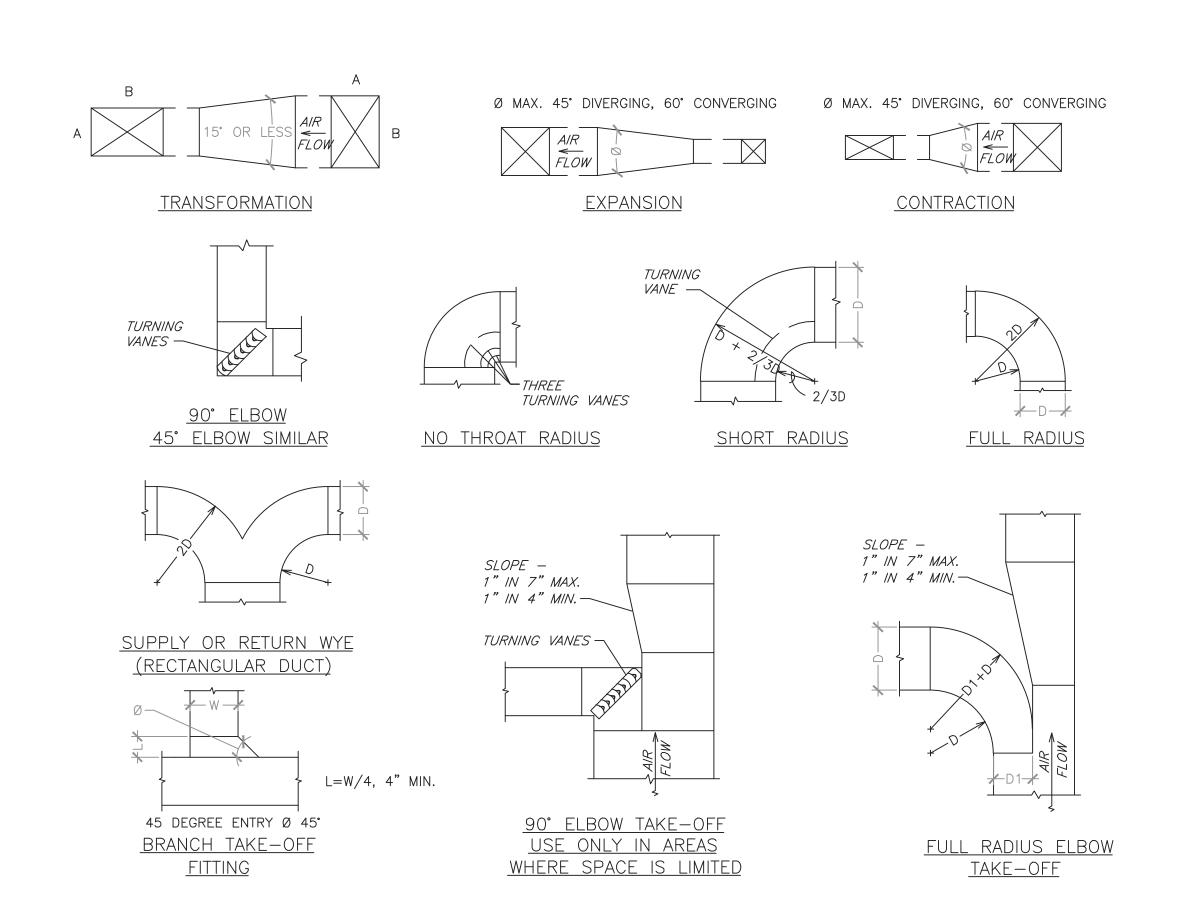
NOTE: HANGERS MUST NOT DEFORM DUCT SHAPE

Plotted: Wednesday, November 08, 2023 12:45 PM

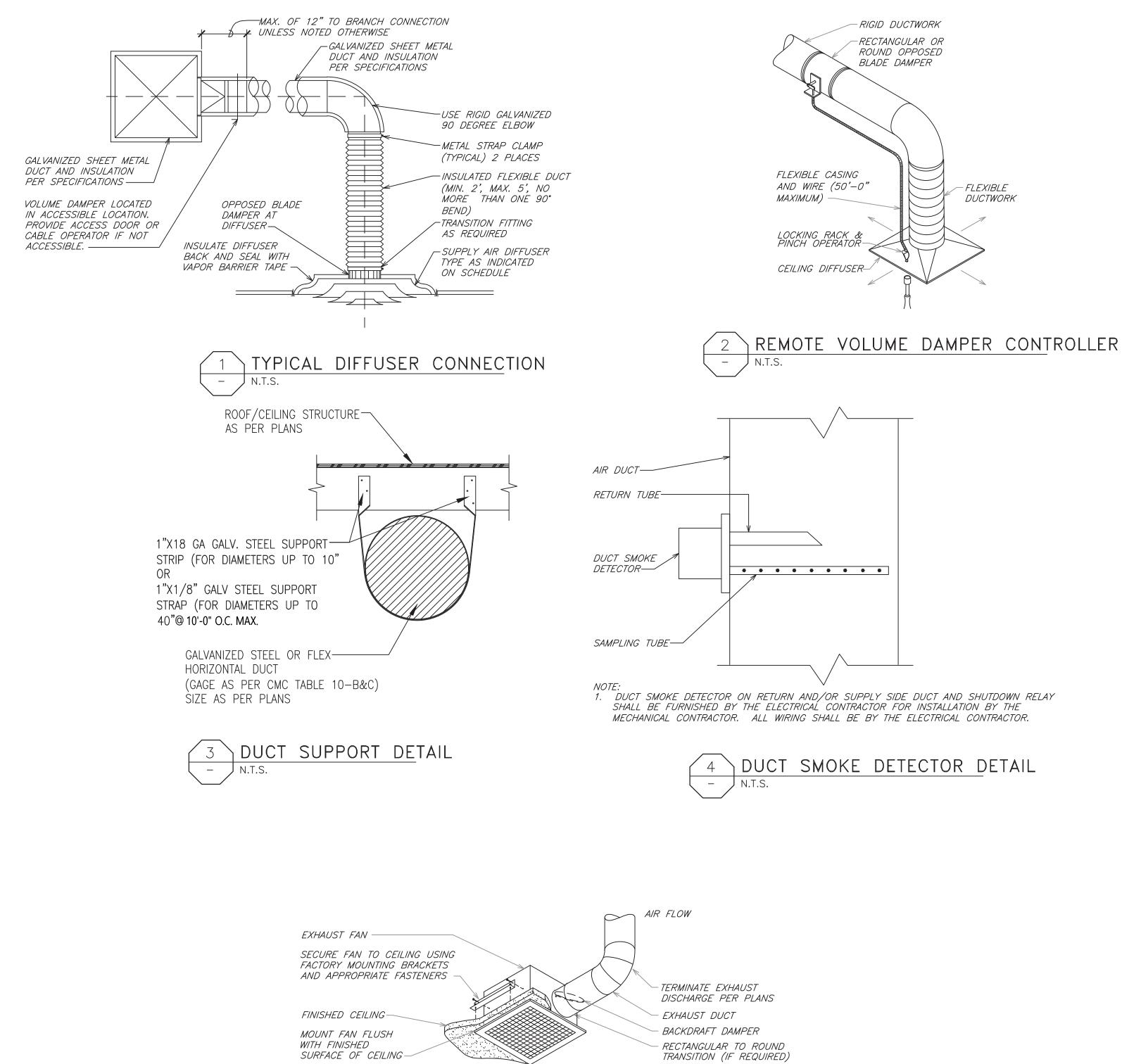
DIA.	WIRE DIA.	ROD	STRAP
10" DN	ONE 12 GA.	1/4"	1" × 22 GA.
11-18"	TWO 12 GA. OR ONE 8 G	A. 1/4"	1" x 22 GA.
19-24"	TWO 10 GA.	1/4"	1" x 22 GA.
25-36"	TWO 8 GA.	3/8"	1" x 20 GA.
37-50"	_	TWO 3/8"	TWO 1" x 20 GA.
51-60"	_	TWO 3/8"	TWO 1" x 18 GA.
61-84"	-	TWO 3/8"	TWO 1" x 16 GA.
85-96"	_	TWO 1/2"	TWO 1 1/2" x 16 G

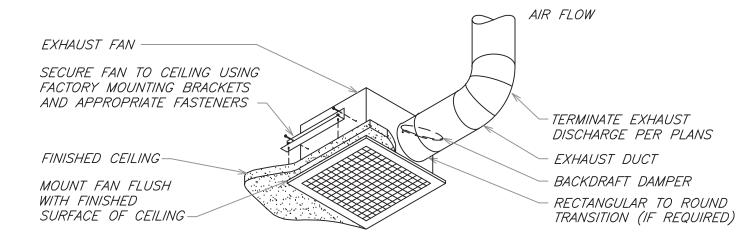
1. STRAPS ARE GALVANIZED STEEL; RODS ARE UNCOATED OR GALVANIZED STEEL; WIRE IS BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED STEEL. ALL ARE ALTERNATIVES. 2. TABLE ALLOWS FOR CONVENTIONAL WALL THICKNESS, AND JOINT SYSTEMS PLUS ONE LB/SF OF INSULATION WEIGHT. IF HEAVIER DUCTS ARE TO BE INSTALLED, ADJUST HANGER SIZES TO BE WITHIN THEIR LOAD LIMITS.

DUCT HANGER DETAIL



DUCT WORK DETAILS





EXHASUT FAN INASTALLATION DETAIL

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True North Compliance Services, Inc. HESE PLANSIDUCUMENTS HAVE BEEN
REVIEWED FOR COMPILIS HAVE BEEN
REVIEWED FOR COMPILIS WITH THE
APPLICABLE CALIFORNIA BUILDING STANDARDS
CODES AS ADOPTED BY THE STATE OF
CALIFORNIA AND AMENDED BY THE
JURISDICTION. PLAN REVIEW ACCEPTANCE OF
DOCUMENTS DOES NOT AUTHORIZE
CONSTRUCTION TO PROCEED IN VIOLATION OF
ANY FEDERAL, STATE, NOR LOCAL REGULATION.
BY: **Indi* Sanches**
DATE: 12/06/2023

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NO. M35235

11/8/2023

PROJECT TITLE

EARLY CHILDHOOD

CLASSROOM & OFF

sing services

PROJECT NO.: 224642 DATE: 08/07/2022 SCALE: AS SHOWN DRAWING NO.

GENERAL NOTES: EXISTING CONDITIONS ARE BASED ON RECORD DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION BY OTHERS. CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION. MECHANICAL CONTRACTOR SHALL FIELD COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL POWER REQUIREMENTS. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION AND COOPERATE WITH THE OTHER TRADES SO THAT THE EQUIPMENT MAY BE PROPERLY COORDINATED.

ALL EQUIPMENT FURNISHED SHALL FIT THE SPACE AVAILABLE WITH CONNECTIONS IN THE REQUIRED LOCATIONS AND WITH ADEQUATE SPACE FOR OPERATING AND SERVICING. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATE THE INTENT OF THE INSTALLATION WHILE THE SPECIFICATIONS AND EQUIPMENT LIST DENOTE THE TYPE AND QUALITY OF MATERIAL AND WORKMANSHIP TO BE USED

THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. WHERE A CONFLICT EXISTS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE HIGHER AND/OR MORE COSTLY STANDARD WILL APPLY. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER WHOSE DECISION SHALL BE FINAL.NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS REGARD ON BEHALF OF THE CONTRACTOR AFTER AWARD OF THE CONTRACT.

THE CONTRACTOR SHALL INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT AS REQUIRED TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE CEILING HEIGHTS AND HEADROOM AND MAKE ALL EQUIPMENT REQUIRING MAINTENANCE OR REPAIR ACCESSIBLE.

DO NOT ATTACH ANYTHING TO DECK ABOVE. ATTACH TO STRUCTURE (i.e. BEAMS, JOISTS) ONLY. DUCT HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE. ALL CONNECTIONS TO JOISTS SHALL BE MADE AT THE TOP CORD.

TENANT'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL UTILITY RUNS AND/OR OTHER IMPROVEMENTS LOCATED ON THE PREMISES PRIOR TO BIDDING. TENANT'S CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS RELATING TO THE RELOCATION OF, DAMAGE TO, REPAIR OF ANY EXISTING UTILITY RUNS AND/OR IMPROVEMENTS WHICH ARE DAMAGED AS A RESULT OF TENANT'S WORK IN OR AROUND THE PREMISES.

ALL ROOFING WORK SHALL BE PERFORMED BY LANDLORD'S APPROVED ROOFING CONTRACTOR AT TENANT'S EXPENSE, IF REQUIRED IN LEASE OR TENANT CRITERIA

MANUAL. ROOF MOUNTED EQUIPMENT SHALL BE LABELED WITH THE TENANT NAME AND

SPACE NUMBER WITH 3" HIGH WEATHER PROOF LETTERS. MECHANICAL CONTRACTOR SHALL PROVIDE TENANT WITH A WRITTEN ONE (1) YEAR MANUFACTURER'S WARRANTY ON ALL HVAC EQUIPMENT PROVIDED AND / OR INSTALLED. THE WARRANTY SHALL INCLUDE ALL LABOR, MATERIALS AND THREE (3) ROUTINE SERVICES INCLUDING FILTER CHANGES DURING A ONE (1) YEAR

AT THE COMPLETION OF CONSTRUCTION AN NEBB, AABC OR TABB CERTIFIED AIR BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER AND LANDLORD. THE BALANCING MUST BE COMPLETED BY AN INDEPENDENT. THIRD PARTY CONTRACTOR WITH NO TIES TO THE INSTALLING CONTRACTORS. LANDLORD COORDINATION:

THE CONTRACTOR SHALL OBTAIN A COPY OF THE LANDLORD'S TENANT CRITERIA MANUAL.TENANT CRITERIA MANUAL IS AN INTEGRAL PART OF THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LANDLORD

REQUIREMENTS AT NO ADDITIONAL COST TO THE TENANT. AB. PARTS OF THE BASE BUILDING SYSTEMS THAT FALL INTO LEASE LINE SHALL

REMAIN UNDISTURBED UNLESS NOTED OTHERWISE. AC. PROVIDE ALL NECESSARY WIRING, RELAYS, DETECTORS, COMPONENTS, ETC., FOR FIRE ALARM OR CONTROL SYSTEM INTERLOCK IF APPLICABLE. VERIFY WITH MALL PERSONNEL BEFORE BID.

CONSTRUCTION NOTES:

Plotted: Wednesday, November 08, 2023 12:45 PM

1. SUBMITTAL OF A CERTIFICATE AIR BALANCE REPORT AND OUTSIDE AIR CERTIFICATION ARE REQUIRED PRIOR TO OCCUPANCY.

2. CONTRACTOR TO VERIFY EXISTING DUCT SMOKE DETECTOR IN SUPPLY AIR PLENUM, INTEGRATE TO SHUT DOWN HVAC UNITS.

3. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENING SHALL BE COVERED WITH TAPE, PLASTIC OR SHEET METAL UNTIL THE FINAL STARTUP OF HEATING, COOLING AND VENTILATING EQUIPMENT. (5.504.3) CALIFORNIA GREEN CODE.

4. NO AIR INTAKES INCLUDING ADJACENT TENANT ROOF AREA WITHIN 10' OF

5. ALL MECHANICAL EQUIPMENT AND DUCTS SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY. INSTALLATION SHALL BE IN ACCORDANCE WITH APPROVED LISTING.

6. DUCT INSULATION SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND SMOKE DEVELOPED INDEX NOT TO EXCEED 50.

7. EXHAUST DUCTS SHALL BE EQUIPPED WITH BACK-DRAFT DAMPERS PER CMC 504.1.1

8. MAXIMUM PERMITTED LENGTH OF EACH FLEXIBLE DUCT RUN IS 5 FEET.

KEYED NOTES:

IMPORTANT: COORDINATE CLOSELY EQUIPMENT LOCATION WITH PLUMBING, ELECTRICAL AND STRUCTURAL.

ALL DUCT-WORK INSTALLATIONS MUST BE CONFORM TO REQUIREMENTS OF 2022 CALIFORNIA MECHANICAL CODE.

(3) EXISTING ROOFTOP 5TON HHAC UNIT. CONTRACTOR TO VERIFY.

(4) NEW SMART HVAC THERMOSTAT TO BE INSTALLED AT 48" A.F.F.

(5) NEW RESTROOM EXHAUST FAN. SEE SCHEDULE AND INSTALLATION DETAILS ON M120

(6) R-8 ROUND DUCT.

(7) MANUAL VOLUME DAMPER TYPICAL FOR ALL REGISTERS AND "TEES" & "Y'S"

(8) PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR PLENUM, INTEGRATE TO SHUT DOWN UNIT.

(9) SUPPLY AIR RESISTER. SEE SCHEDULE

(10) RETURN AIR GRILLE. PROVIDE MERV 13 FILTER MINIMUM 2" THICK FOR RETURN AIR GRILLE

CMC 603.10.1.

. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENING SHALL BE COVERED WITH TAPE, PLASTIC OR SHEET METAL UNTIL THE FINAL STARTUP OF HEATING, COOLING AND VENTILATING EQUIPMENT. (5.504.3) CALIFORNIA GREEN CODE.

2. NO AIR INTAKES INCLUDING ADJACENT TENANT ROOF AREA WITHIN 10' OF EXHAUST FANS/HOOD. 3. ALL MECHANICAL EQUIPMENT AND DUCTS SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY. INSTALLATION SHALL BE IN ACCORDANCE WITH APPROVED LISTING.

. THE FLEX DUCT SAG BETWEEN SUPPORTS HANGERS SHALL NOT EXCEED $1\!\!/2$ " PER FOOT OF SUPPORT SPACING, AND THE FLEX DUCT ELBOW CONNECTION TO THE TERMINAL DEVICE/ REGISTER IS REQUIRED TO HAVE A BEND RADIUS SIZE NO LESS THAN ONE DUCT DIAMETER. 5. A DUCT LEAKAGE TEST WILL BE CONDUCTED THAT COMPLIES WITH

AIR BALANCE SCHEDULE

SUPPLY AIR UNIT	OUTSIDE AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	SUPPLY FLOW (CFM)	OA/SA %		EXHAUST AIR UNIT	EXHAUST AIRFLOW (CFM)	REMARKS
HP-1	300	1700	2000	15.00		EF-1 & EF-2	150	_
TOTAL	300	1700	2000	15.00		TOTAL	150	
RESULTING BUILDING PRESSURIZATION (CFM) 150								
PRESSURIZATION PERCENTAGE (%) 7.50							7.50	
AIR BALANCE NOTE:								

SUBMITTAL OF A CERTIFICATE AIR BALANCE REPORT AND OUTSIDE AIR CERTIFICATION ARE REQUIRED PRIOR TO OCCUPANCY

130 CFM MECHANICAL FLOOR PLAN

RB 40 CFM 5" Ø

300 CFM 12"Ø OPEN AREA FOR

SA 300 CFM

SB 50 CFM 5" Ø

	GRILLE, REGISTER AND DIFFUSER SCHEDULE									
TAG	MANUFACTURER	MODEL#	APPLICATION	FINISH	FRAME TYPE	REMARKS				
SA	TITUS	OMNI-24x24 OR EQUAL	SUPPLY	COLOR BY ARCHITECT	GRID	24x24 SQUARE PALQUE FACE ROUND DUCT CONNECTION				
SB	TITUS	OMNI-12X12 OR EQUAL	SUPPLY	COLOR BY ARCHITECT	GRID	12x12 SQUARE PALQUE FACE ROUND DUCT CONNECTION				
RA	TITUS	PAR-24X24 OR EQUAL	RETURN	COLOR BY ARCHITECT	GRID	24X24 SQUARE PERFORATED FACE WITH ROUND DUCT CONNECTION				
RB	TITUS	PAR-12X12 OR EQUAL	RETURN	COLOR BY ARCHITECT	GRID	12X12 SQUARE PERFORATED FACE WITH ROUND DUCT CONNECTION				
NOTES:				1	<u> </u>					

I. CHECK WITH OWNER/ARCHITECT/TENANT PRIOR TO ORDERING

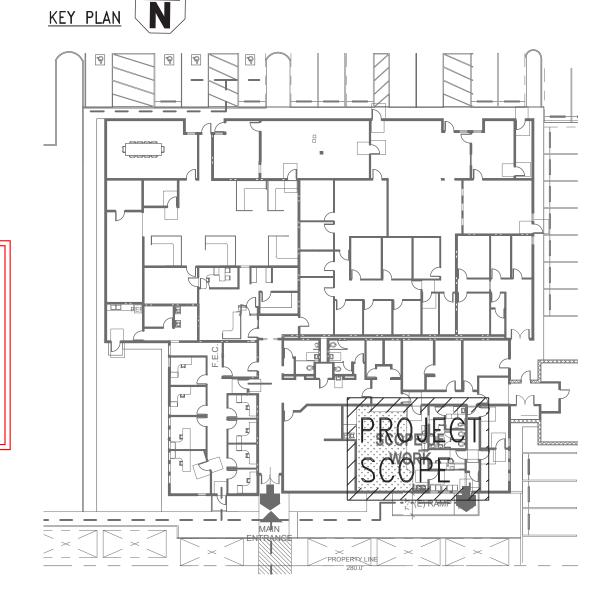
	NEW EXHAUST FAN UNITS SCHEDULE												
LINIT	MANUEACTURER	MODEL#	LOCATION	TVDE	0514 001	0514	DDIVE	TCD.	ELECTRICAL		WEIGHT	DEMARKS	
UNIT	MANUFACTURER	MODEL#		MODEL# LOCATION	TYPE CFM	CFM	DRIVE	DRIVE	ESP	WATTS	VOLTS/PH/HZ	S/PH/HZ LIGHT	WEIGHT
EF 1	GREEN HECK	SPB-110 OR EQUAL	RESTROOM	CENTRIFUGAL	50	DIRECT	0.5"WC	25.8	115/1/60	_	15	PROVIDE BACK DRAFT DAMPER AND ROOF MOUNT JACK	
EF 2	GREEN HECK	SPB-110 OR EQUAL	RESTROOM	CENTRIFUGAL	100	DIRECT	0.5"WC	25.8	115/1/60	_	15	PROVIDE BACK DRAFT DAMPER AND ROOF MOUNT JACK	

RB 40 CFM 5" Ø



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PROJECT NO.: 224642 DATE: 08/07/2022 SCALE: AS SHOWN DRAWING NO.

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NO. M35235

11/8/2023

Project Name: Early Child Hood Report Page: (Page 2 of 7) Date Prepared: 2023-11-08T15:42:02-05:00 C. COMPLIANCE RESULTS Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.	CERTIFICATE OF COMPLIANCE Project Name: Early Child Hood Report Page: (Page 3 of 7) Date Prepared: 2023-11-08T15:42:02-05:00 H. FAN SYSTEMS & AIR ECONOMIZERS
C. COMPLIANCE RESULTS Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES"	
Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES	H. FAN SYSTEMS & AIR ECONOMIZERS
Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES	DELEGATION AND A CONTRACTOR OF
	This section does not apply to this project.
01 02 03 04 05 06 07 08 09	I. SYSTEM CONTROLS
System Summary 110.1, AND Pumps AND Economizers AND Controls AND Ventilation AND Controls AND 120.3, AND Cooling Towers	This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.
110.2, 170.2(c)4l 140.4(c), 170.2(c)4l 140.4(e), 170.2(c) 120.1, 160.2 120.1, 160.2 140.4(d), 170.2(c)4B 160.2, 160.3 110.2(e)2 Compliance Results	Conditioned Thermostats Shut-Off Isolation Supply Air
(See Table F) (See Table G) (See Table H) (See Table I) (See Table J) (See Table K) (See Table L) (See Table M)	System Name System Floor Area 110.2(b) & (c)*, 120.2(a) Controls Controls 110.12 120.2(b) & lemp. Reset Window Interlocks per 20.2(c) & 120.2(c) & 120.2
AND AND Yes AND Yes AND AND AND COMPLIES Mandatory Measures Compliance (See Table Q for Details) COMPLIES	Auto Times Auto Times NA: Single
	HP-1 Single zone <= 25,000 ft ² Setback Switch Switch NA: PTAC, PTHP, Rm AC, HP Zone NA: No operable windows FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	have setback thermostats.
	J. VENTILATION AND INDOOR AIR QUALITY This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(p) and 140.4(q) for all nonresidential and hotel/matel and
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	d:t24refnolink/]160.2, 160.3(a)3D, 170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented
F UNAC CUCTEAR CUBARAR DV (DDV 8 WET CUCTEARS)	in a spreadsheet. O1 Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
This section does not apply to this project.	02 Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
G PLIMPS	03 Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2. Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems
G. PUMPS This section does not apply to this project.	
Generated Date/Time: Documentation Software: Energy Code Ace	Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 155992-1123-0006 Schema Version: rev 20220101 Report Generated: 2023-11-08 12:42:08	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 155992-1123-0006 Schema Version: rev 20220101 Report Generated: 2023-11-08 12:42:08
	STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION	Mechanical Systems CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Early Child Hood Report Page: (Page 5 of 7)	Project Name: Early Child Hood Report Page: (Page 6 of 7) Date Prepared: 2023-11-08715:42:02-05:00
Date Prepared.	C. i
L. DISTRIBUTION (DUCTWORK and PIPING)	Q. MANDATORY MEASURES DOCUMENTATION LOCATION
This section does not apply to this project.	This table is used to indicate where mandatory measures are documented in the plan set or construction documentation. 01 02
M. COOLING TOWERS	Compliance with Mandatory Measures documented through MCH No Plan sheet or construction document location No
This section does not apply to this project.	03 04 F 2 05 05 05 05 05 05 05 05 05 05 05 05 05
N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at	
https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/ Form/Title	
NRCI-MCH-01-E - Must be submitted for all buildings	
O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at	
https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/ Form/Title Systems/Spaces To Be Field	
NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A HP-1	
Suppry ran VFD Acceptance (if applicable) since testing activities overlap.	
P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION There are no NBCV forms required for this project.	
Generated Date/Time: Documentation Software: Energy Code Ace CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 155992-1123-0006	Generated Date/Time: Documentation Software: Energy Code Ace CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 155992-1123-0006
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	True North Compliance Services, Inc.
	PLAN REVIEW APPROVAL
	THESE TRAVE BEEN REVIEWED FOR COMPULANCE WITH THE APPLICABLE CALIFORNIA BUILDING STANDARDS
	CODES ADOPTED BY THE STATE OF CALIFORNIA AND AMENDED BY THE JURISDICTION. PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT ANTES DOES NOT ANTE DOES NOT ANTES DO
	CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEBERAL STATE, NOR LOCAL REGULATION. BY: Areli Sauches DATE: 12/06/2023
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	THIS SET OF THE PLANS AND SPECIFICATIONS MUST BE KEPT ON THE JOB SITE AT ALL TIMES AND IT IS UNIVERSE OR ALL TENDERS OF ROME THE LEAST ON SWITHOUT PERMISSION FROM THE
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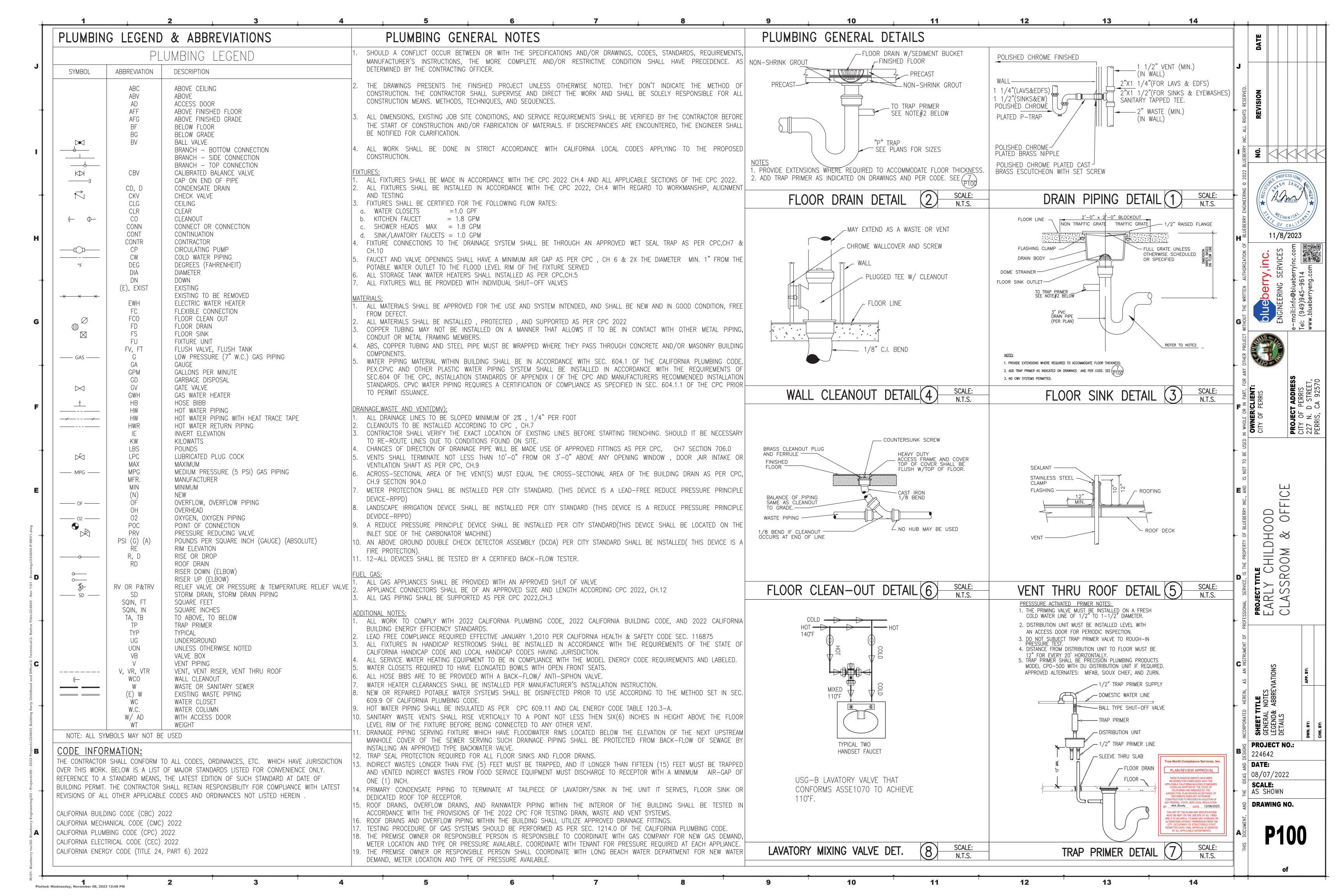
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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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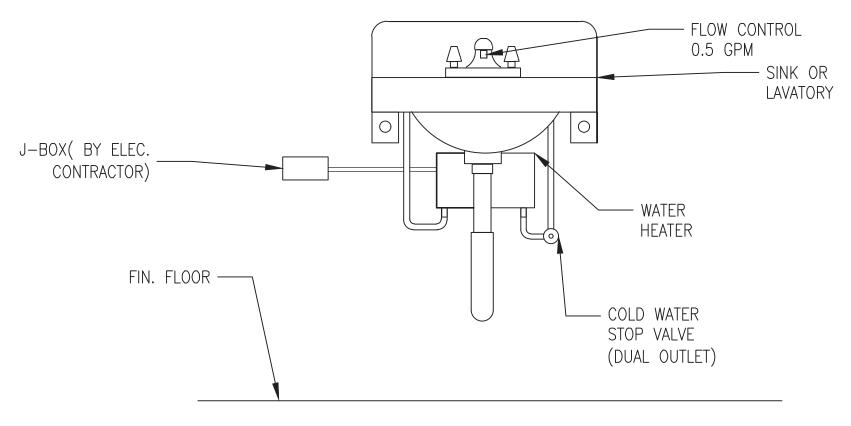
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NOTE:

1. CONTRACTOR SHALL VERIFY WITH THE OWNER PRIOR TO ORDERING THE FIXTURES. 2. ALL PLUMBING FIXTURES AND PIPING SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY. INSTALLATION SHALL BE IN ACCORDANCE WITH APPROVED LISTING

UL LISTED ELECTRIC TANK LESS WATER HEATER SCHEDULE										
TAG	MAKE	MODEL#	POWER	V/P/F	AMP S	RECOVERY TIME BASED ON 60°F TEMP. RISE	TANK VOLUME (GALS)	WATER CONNECTION	RELIEF VALVE	WEIGHT
WH-1	EEMAX	EMT1	1440W	120/1/60	12A	8 MIN.	1.5	1/2" NPT	INCLUDED	11.7 LB
WH-2	EEMAX	EMT1	1440W	120/1/60	12A	8 MIN.	1.5	1/2" NPT	INCLUDED	11.7 LB
WH-3	EEMAX	EMT1	1440W	120/1/60	12A	8 MIN.	1.5	1/2" NPT	INCLUDED	11.7 LB
WH-4	EEMAX	EMT1	1440W	120/1/60	12A	8 MIN.	1.5	1/2" NPT	INCLUDED	11.7 LB
WH-5	EEMAX	EMT1	1440W	120/1/60	12A	8 MIN.	1.5	1/2" NPT	INCLUDED	11.7 LB



NOTE:

POINT OF USE WATER HEATER SHALL BE POSITIONED SO AS NOT TO ENCROACH INTO ANY REQUIRED WHEELCHAIR ACCESS CLEARANCES BENEATH THE LAVATORY OR SINK AND SHALL BE SHIELDED AGAINST HUMAN CONTACT

1 \ WATER HEATER INSTALLATION N.T.S.

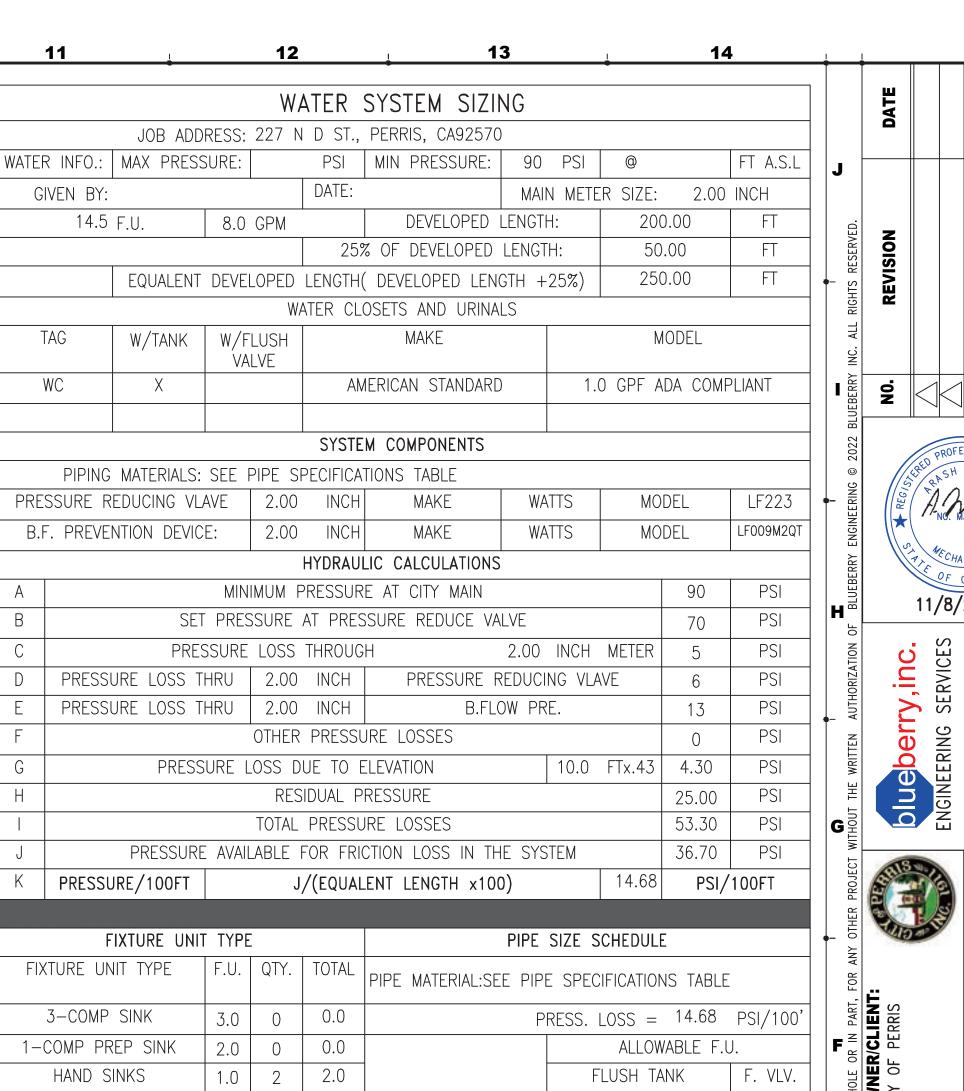
GENERAL NOTES:

- ALL WORK TO COMPLY WITH 2022 CALIFORNIA PLUMBING CODE, 2022 CALIFORNIA BUILDING CODE, 2022 CALIFORNIA GREEN CODE (CALGREEN), 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS, AND TITLE 18 OF LONG BEACH MUNICIPAL CODE. WATER PIPE AND FITTINGS WITH A LEAD CONTENT WHICH EXCEED 0.25% SHALL BE PROHIBITED IN SYSTEMS CONVEYING POTABLE WATER. (CPC 604.2 & CALIFORNIA HEALTH & SAFETY CODE 116875).
- ALL PLUMBING FIXTURES SHALL MEET THE FLOW RATE REQUIREMENTS OF CGBC TABLE 5.303.2.3.
- ALL FIXTURES IN HANDICAP RESTROOMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA HANDICAP CODE AND LOCAL HANDICAP CODES HAVING JURISDICTION.
- ALL FIXTURES, EQUIPMENT, PIPING, AND MATERIALS SHALL BE LISTED. (CPC 301.2) PLUMBING PIPING SYSTEMS IN RESIDENTIAL ACCOMMODATIONS SHALL BE DESIGNED AND INSTALLED IN CONFORMANCE WITH SOUND LIMITATIONS AS REQUIRED IN THE CALIFORNIA BUILDING CODE. (CPC 309.5)
- ALL PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED THOSE SHOWN IN CPC TABLE 313.1.
- PUBLIC LAVATORIES SHALL HAVE CONTROLS TO LIMIT TO THE WATER TEMPERATURE TO 120°F. ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH THE MODEL ENERGY CODE REQUIREMENTS AND LABELED.
- 10. EACH PLUMBING FIXTURE SHALL BE INDEPENDENTLY VALVE PER CODE.
- 11. INSTALL ALL PLUMBING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. NO WATER OR DRAIN LINES PERMITTED OVER OR UNDER ELECTRICAL PANELS.
- 12. ALL POTABLE WATER OUTLETS WITH HOSE ATTACHMENTS, SUCH AS HOSE BIBS, AND MOP SINKS ARE TO BE PROVIDED WITH A BACKFLOW / ANTI-SIPHON VALVE.
- 13. PLASTIC PIPE AND THE FITTINGS USED FOR PLASTIC PIPE, OTHER THAN THOSE FOR GAS, SHALL MEET THE REQUIREMENTS OF NSF14.
- 14. NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO THE METHOD SET IN CPC SEC. 609.9.
- 15. INSULATION SHALL BE PROVIDED ON ALL HOT WATER AND CIRCULATING PIPING AND THE FIRST 5' ON THE COLD WATER FROM THE WATER HEATER. 16. THE PREMISE OWNER OR RESPONSIBLE PERSON SHALL HAVE THE BACKFLOW PREVENTION ASSEMBLY TESTED BY A CERTIFIED BACKFLOW ASSEMBLY TESTER AT THE TIME OF
- INSTALLATION. 17. BUILDING REVIEW MUST BE APPROVED PRIOR TO OBTAINING SEPARATE MECHANICAL/ELECTRICAL/PLUMBING PERMITS ASSOCIATED WITH THIS PROJECT. PLEASE CONTACT THE
- PERMIT CENTER AT (562) 570-5237 FOR ANY INFORMATION NEEDED IN REGARDS TO OBTAINING PERMITS. 18. HOT WATER AND DRAIN PIPES EXPOSED UNDER SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED SO AS TO PROTECT AGAINST CONTACT.
- THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.
- 19. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 LB. FT.
- 20. ALL FAUCETS SHALL BE METERED. 21. NEW PLUMBING FIXTURES AND FITTINGS SHALL NOT EXCEED THE MAXIMUM ALLOWABLE FLOW RATES SPECIFIED IN SECTION 5.303.2
- 22. HOT WATER PIPING SHALL BE INSULATED AS PER CPC 609.11 AND CAL ENERGY CODE TABLE 120.3-A.
- 23. NO VENTING SYSTEM SHALL TERMINATE LESS THAN 3FEET ABOVE ANY FORCED AIR INLET LOCATED WITHIN 10 FEET OR LESS THAN 4 FEET FROM ANY PROPERTY LINE EXCEPT A PUBLIC WAY.
- 24. NO VENT FROM INDIRECT WASTE PIPING SHALL BE COMBINED WITH ANY SEWER CONNECTED VENT BUT SHALL EXTEND SEPARATELY TO THE OUTSIDE AIR.
- 25. STEAM AND/OR HOT WATER DRAINAGE REQUIRES AN INDIRECT WASTE LINE.
- 26. EACH PLUMBING FIXTURE SHALL BE SEPARATELY TRAPPED BY AN APPROVED TYPE WATER SEAL TRAP.
- 27. BUILDING SEWER SHALL BE TESTED TO COMPLY WITH CPC 732.0
- 28. CONTRACTOR TO VERIFY AND INVERT ELEVATION OF EXISTING SANITARY SEWER AND ADJUST SYSTEM LAYOUT TO ACCOMMODATE.
- 29. CONTRACTOR SHALL CAP ALL UNUSED SEWER LINES.IN THE INSTALLATION OR REMOVAL OF ANY PART OF A DRAINAGE SYSTEM. DEAD ENDS SHALL BE PROHIBITED. CLEANOUTS EXTENSIONS AND APPROVED FUTURE FIXTURE DRAINAGE PIPING SHALL NOT BE CONSIDERED AS DEAD ENDS. 30. ALL PENETRATIONS IN FIRE RATED CONSTRUCTION SHALL BE CAULKED OR SLEEVED.

	PLUMBING FIXTURE & EQUIPMENT SCHEDULE									
MARK	FU	DFU	WASTE	VENT	CW	HW	DESCRIPTION	STATUS	QTY.	
WC	WATER CLOSET	2.5	4.0	3"	3"	1/2"	_	FLUSH TANK WATER CLOSET ADA COMPLIANT 1.0GPF	NEW	3
LV	LAVATORY	1.0	1.0	2"	2"	1/2"	1/2"	LAVATORY WITH SELF-METERING 0.2 GALLONS PER CYCLE FAUCET	NEW	3
HS	HAND SINK	1.0	1.0	2"	2"	1/2"	1/2"	HAND SINK, WITH SELF-METERING 0.2 GALLONS PER CYCLE FAUCET,	NEW	2
FD	FLOOR DRAIN	_	2.0	2"	2"	_	_	FLOOR DRAIN	NEW	1
_	TRAP PRIMER	_	_	_	_			PRECISION PLUMBING MODEL# CPO-500 OR APPROVED EQUAL	NEW	1

- . CONTRACTOR SHALL VERIFY WITH THE OWNER PRIOR TO ORDERING THE FIXTURES.
- 2. ALL PLUMBING FIXTURES AND PIPING SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY. INSTALLATION SHALL BE IN ACCORDANCE WITH
- APPROVED LISTING
- 3. LAVATORY TAIL PIPE AND HOT WATER LINE SHALL BE INSULATED PER CBC 11B-606.5.
- 1. DOMESTIC HOT WATER PIPING SHALL BE INSULATED PER SECTION 609.11 CPC.

Mini Tank Series 1.5, 2.5, 4 and 6 Gallon Mini Tanks Deliver Hot Water Efficiently	Electric Mini Tank Hot Water Heater	Mini Tank Serio 1.5, 2.5, 4 and 6 Gallon Mini		ot Water Eff	ficiently			ipecification lectric Mini Tar	nik Hot Water Heater
Warranty, five (5) years limited on leaks, two (2) years on defects Product Specifications Voltage: 120 volts Amperage: 12 amps Heating Capacity: 1440 watts Phase: Single Temperatures: 50°-140°F Max. Operating Pressure: 150 PSI Tank Volume Weight Volume Weig	EMT1 EMT2.5 EMT4 EMT6 Phich mm inch mm exch mm inch mm 938 249 7 11,25 285.8 12,70 304.1 14,34 381.7 303 77.0 3.13 75.5 3.94 100.1 3.34 50.1 3.34 100.1 3.94 90.1 3.9	Eemax Mini Tank Installation Save water by eliminating the wait for hot water to reach the faucet. Simply tap into the water line and install the heater directly at the sink. No need for costly recirculating lines and pumps. And when you want to eliminate the wait for hot water but need more volume, install the Eemax heater in-line with a larger hot water source, such as a tankless heater or a storage tank heater. Lightweight and compact.	Standalone Point of the Standa	4 15 patent 4 25 patent 4 25 patent 4 25 patent 4 55 patent 2 5 pa	OLD WATER PRED NC ME LEED SOLD WATER PRED COULD WATER PRED GALON GALON GALON MEAN MEAN MEAN MEAN MEAN MEAN MEAN MEA	COLD MATER PRES	included inc	True North C PLAN RI THESE PLAN. REVIEWED FI APPLICABLE CALL CODES AS AI CALFORI JURISDICTION. P DOCUMENT CONSTRUCTION ANY FEDERAL, ST Y; And Sanda THIS SET OF TH MUST BE KEPT AND IT IS UNILAW CITY. OCCUPAT AND IT PERMITTED UNIT	Compliance Services EVIEW APPROVAL ISDOCUMENTS HAVE BEEN FOR COMPLIANCE WITH THE LIFORNIA BUILDING STANDAF ADOPTED BY THE STATE OF IIA AND AMENDED BY THE PLAN REVIEW ACCEPTANCE: TS DOES NOT AUTHORIZE ITO PROCEED IN VIOLATION TATE, NOR LOCAL REGULATION TATE, NOR LOCAL REGULATION ON THE JOB SITE AT ALL TIN VEUL TO MAKE ANY CHANGES WITHOUT PERMISSION FROM INCY OF STRUCTURES) IS NI IL FINAL APPOXIL IS GRAN PLICABLE DEPARTMENTS.
information and product specifications contained in this document are subject to change without notice.					Homelon	and product specifical	fore contained in f	his document are so	ubject to change without rollox.



FIXTURE UNIT TYPE				חוחר	CIZE COLLEDIA	г				
		ı	Γ	PIPE SIZE SCHEDULE						
FIXTURE UNIT TYPE F.U. QTY.			TOTAL	PIPE MATERIAL:SEE PIP						
3-COMP SINK 3.0 0			0.0	Р	14.68	PSI/100'				
1-COMP PREP SINK	2.0	0	0.0		ALLOWABLE F.U.					
HAND SINKS	1.0	2	2.0		FLUSH TA	ANK	F. VLV.			
MOP SINK	3.0	0	0.0	DIDE 0175	HOT	COLD	COLD			
CLOTHES WASHER	4.0	0	0.0	PIPE SIZE	5FT/S	8FT/S	8FT/S			
LAVATORIES	1.0	3	3.0	1/2"	3	4	0			
BATHTUB/SHOWER	3.0	0	0.0	3/4"	8	15	0			
BATHTUB 3/4" FILL	10.0	0	0.0	1"	16	30	0			
SHOWERS	2.0	0	0.0	1-1/4"	28	56	14			
WATER CLOSETS	2.5	3	7.5	1-1/2"	46	103	35			
WC W/FLUSHOMETER	5.0	0	0.0	2"	119	254	132			
URINAL W/FLUSHOMETER	4.0	0	0.0	2-1/2"						
FIRST HOSE BIBB	2.5	0	0.0	3"						
ADDITIONAL HOSE BIBBs	1.0	0	0.0	3-1/2"						
DRINKING FOUNTAIN	1.0	2	2.0	4"						
ICE MAKER	1.0	0	0.0							
	0.0	0								
TOTAL FIX	KTURE	UNITS	14.5	FU =	8.0 GPM					
ADDIT	IONAL	FLOW	0.0	FU =	0.0 GPM					
	TOTAL	FLOW	14.5	FU =	8.0 GPM					

I. WATER PRESSURE TO ALL FIXTURES AND EQUIPMENT SHALL BE IN COMPLIANCE AS PER SECTION 608.1 CPC 2022. 2. THESE WATER CALCULATIONS ARE BASED ON THE SPECIFIED FIXTURES IN THIS PROJECT AS NOTED ABOVE WITH THE PRESSURE LOSS AS PROVIDED BY THE MANUFACTURER.

PIPE	SPECIFICATION
–	01 2011 107 111011

APPLICATION	TYPE
WATER	TYPE 'K' SOFT COPPER BELOW FLOOR OR GRADE. TYPE 'L' HARD DRAWN COPPER TUBING WITH WROUGHT SOLDER JOINT FITTINGS ABOVE FLOOR OR GRADE.
DOWN SPOT WASTE AND VENT	SERVICE WEIGHT HUBLESS CAST IRON, ABOVE FLOOR OR GRADE AND SHALL CONFORM TO THE REQUIREMENTS OF CISPI STANDARD 301 AND ASTM A-888 FOR ALL PIPE AND FITTINGS

CONDENSATE DRAINS TYPE 'M' HARD DRAWN COPPER WITH WROUGHT SOLDER JOINT FITTINGS

SERVICE WEIGHT HUBLESS CAST IRON PIPES AND FITTINGS. ABOVE OR BELOW FLOOR OR SANITARY SEWER GRADE AND SHALL CONFORM TO ASTM A-888 AND CISPI STANDARD 301 FOR ALL PIPE AND

PIPE SPECIFICATIONS NOTE ALL PIPE AND FITTINGS TO BE PRODUCED BY A SINGLE MANUFACTURER AND TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS. TESTING WITH COMPRESSED AIR OR GAS MAY RESULT IN INJURY OR DEATH. SOLVENT CEMENT SHALL CONFORM TO ASTM D 2235.

PROJECT NO.:

08/07/2022

224642

DATE:

SCALE:

AS SHOWN

DRAWING NO.

11/8/2023

PROJECT TITLE

EARLY CHILDHOOD

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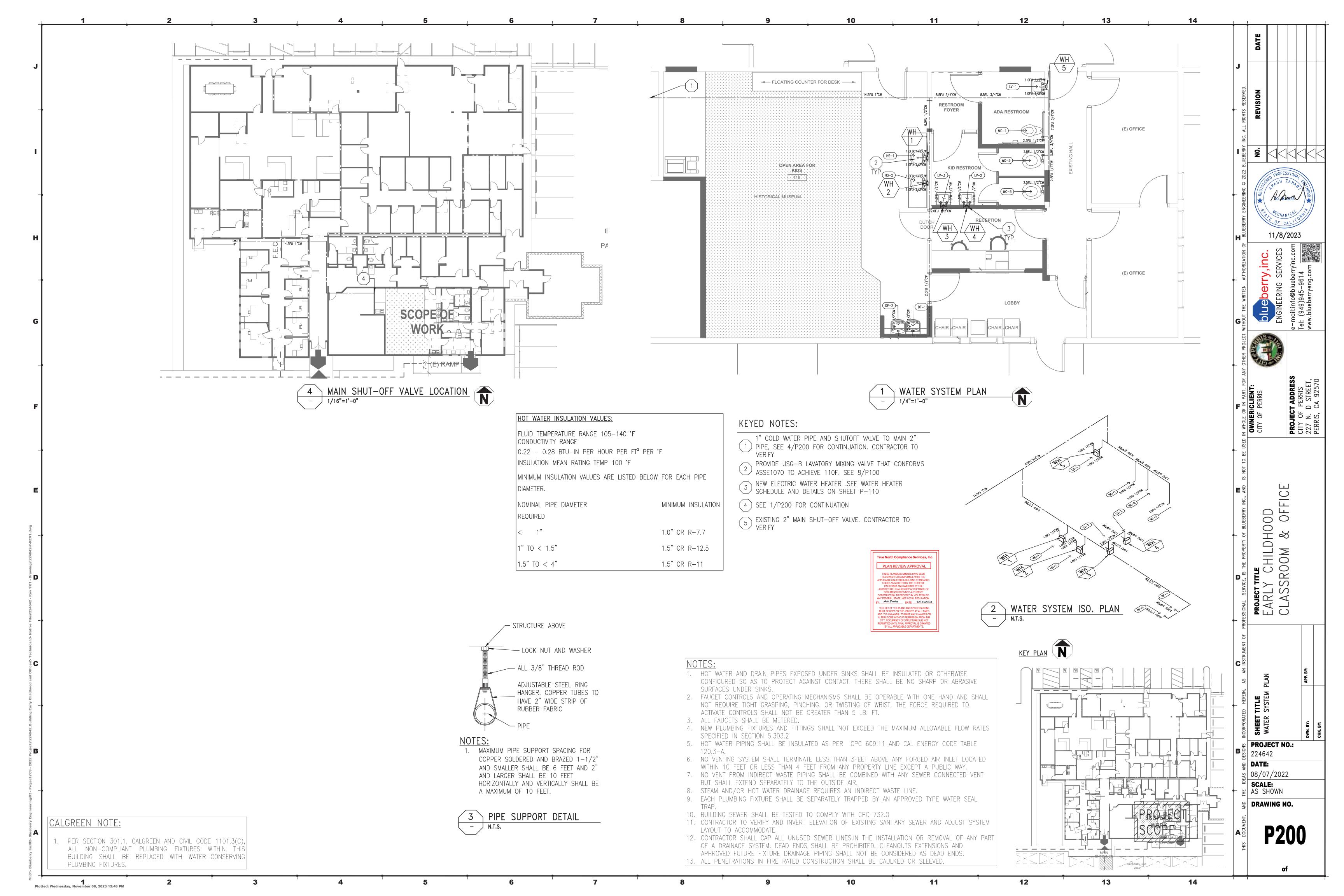
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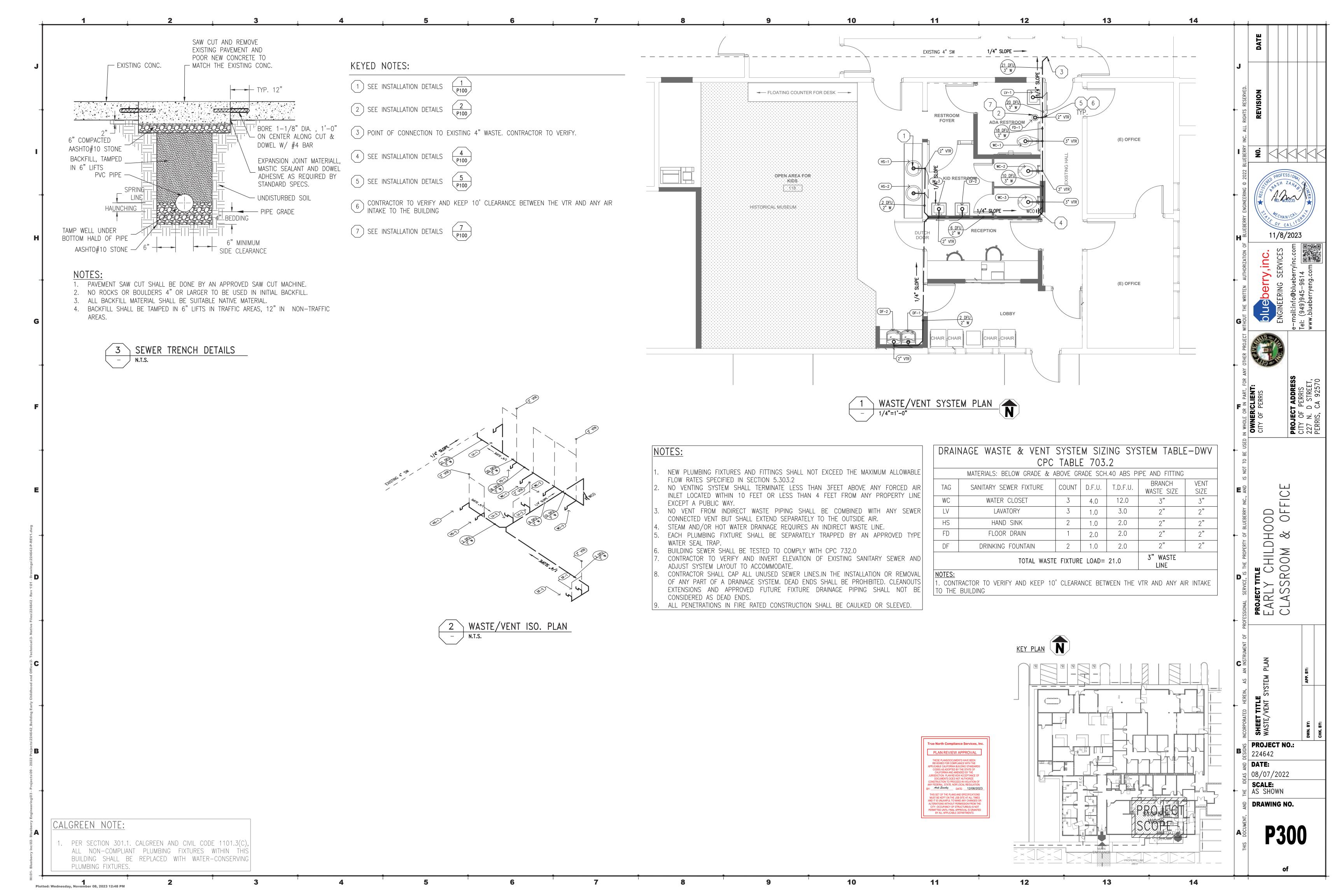
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CALIFORNIA ENERGY COMMISSION NRCC-PLB-E	STATE OF CALIFORNIA Domestic Water Heating System CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRCC-PLB-E	STATE OF CALIFORNIA Domestic Water Heating System CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRCC-PLB-E	DATE
rith requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 80.2 for alterations. Report Page: (Page 1 of 8)	Project Name: Early Child Hood	Report Page: Date Prepared:	(Page 2 of 8) 2023-11-08715:39:55-05:00	Project Name: Early Child Hood	Report Page: Date Prepared:	(Page 3 of 8) 2023-11-08T15:39:55-05:00	J
Date Prepared: 2023-11-08T15:39:55-05:00 02 Climate Zone 10	E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Ha	rving Jurisdiction.		be demonstrated and with 141.0 / 180.1 / 180.2 for addition and alteration		iptive requirements in 140.5(c) / 170.2(d) must also	RESERVED.
				System Name WH-1 Exception to 140.5(c)/ Exceptions Do Not Apply	Gas Service Water Heating Capacity-weighted System >= Average Efficiency %	06	C. ALL RIGHTS
lar water heating systems are documented on the NRCC-SAB compliance document. Combined cument. 02 03 System Type ^{1,2} System Components				Marina as	11 12 13	14 15 Designed Standby Loss Maximum Standby Loss	BLUEBERRY IN
□ Equipment □ Distribution □ Controls e nonresidential spaces, are considered individual systems. ntial occupancy.				Consumer Rated Electric	0.93 0.91 UEF		EERING © 2022
aliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with guidance.				<=12kW) Consumer Rated			ERRY ENGINE OF CAPILED
O3 O4 Controls Compliance Results Table H Yes COMPLIES				<pre>c=12kW) Consumer Rated Electric Instantaneous (<=2 4,913 0 <= GPM <1.7</pre>			H 11/8/2023
ata entered in tables throughout the form.				<=12kW)			rry, inception of the superior
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CALIFORNIA ENERGY COMMISSION NRCC-PLB-E Report Page: (Page 4 of 8) Date Prepared: 2023-11-08715:39:55-05:00	Domestic Water Heating System CERTIFICATE OF COMPLIANCE Project Name: Early Child Hood	Report Page: Date Prepared:	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 5 of 8) 2023-11-08715:39:55-05:00	Domestic Water Heating System CERTIFICATE OF COMPLIANCE Project Name: Early Child Hood	Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 6 of 8) 2023-11-08T15:39:55-05-00	OJECT WITHOU EN EN EN THEIL (FINANCE)
2003-11-0013-33-33-03-00	G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM	•			1		ANY OTHER PR
input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted	compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d). Mandatory Pipe Insulation All Occupancies For systems serving dwelling units, pipe insulation m • Piping that penetrates framing members shal	nust meet the minimum insulation requirements in Table :	50.4-A (see blow) except: f the framing penetration. Piping that	Yes No Not Applicable Construction docu	Requirement ments require manufacturer certification that service wa ols capable of adjusting temperature settings per 110.3(a	ter-heating systems are equipped with automatic	TA IN PART, FOR CLIENT: PERRIS T ADDRESS PERRIS D STREET, CA 92570
Requirement	Insulation shall abut securely against all fram Piping installed in interior or exterior walls sh Insulation Installation (QII) as specified in the Piping surrounded with a minimum of 1 inch	ing members hall not be required to have pipe insulation if all of the req e Reference Residential Appendix RA3.5.	irements are met for compliance with Quality	03	3.0. Iting pumps or electrical heat trace systems are capable of systems serves healthcare facility.	of automatically turning off the system per	OWNER/C CITY OF F CITY OF I 227 N. D PERRIS, C
of energy for service water heating from site solar energy or recovered energy per 110.3(c)5 ntaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6 0 ft ² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating	For systems serving nonresidential spaces, pipe insu Recirculating system piping, including supply The first 8 ft of hot and cold outlet piping, including supply Pipes that are externally heated	and return piping of the water heater cluding between storage tank and heat trap, for a nonrecir	ulating storage system	05	stems serving individual dwelling units, design includes n per 170.2(d). sitive shut-off shall be provided per 160.4(3).on all newly	manual on/off controls as specified in Reference installed commercial boilers as follows:	TO BE USED
	be installed with a cover suitable for outdoor service non-crushable casing or sleeve. TABLE 120.3-/	A / 160.4-A PIPE INSULATION THICKNESS Nominal Pipe	e must be installed in a water proof and	8 Boilers who The fan mo The fan mo	air fans with motor >= 10 hp shall meet one of the follow tor shall be driven by a variable speed drive OR tor shall include controls that limit the fan motor demand	ving	C, AND IS NO
	Fluid Temperature Range (°F) Range (Btu-In per hour per ft² per °F) Insulation Mean Rating In Per °F) Insulation Mean Rating Insulation Mean	Minimum Insul	< 4 Hotel/Motel tion Required	08	ilers with an input capacity {d:gte/] 5MMBtu/h and a ster tack-gas) oxygen concentrations <= 5% by volume on a dr ntrolled with respect to firing rate or flue gas oxygen con	y basis over firing rates of 20-100%. Combustion air	SLUEBERRY INC OD OFFI
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Generated Date/Time: Documentation Software: Energy Code Ace Report Version: 2022.0.000 Compliance ID: 155992-1123-0005 Schema Version: rev 20220101 Report Generated: 2023-11-08 12:39:58	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101	Documentation Software: Energy Code Ace Compliance ID: 155992-1123-0005 Report Generated: 2023-11-08 12:39:58	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101	Documentation Software: Energy Code Ace Compliance ID: 155992-1123-0005 Report Generated: 2023-11-08 12:39:58	TTITE TOTALE SSR00
CALIFORNIA ENERGY COMMISSION NRCC-PLB-E Report Page: (Page 7 of 8)	Domestic Water Heating System CERTIFICATE OF COMPLIANCE Project Name: Early Child Hood	Report Page;	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 8 of 8)				PROJECT PROJECT CLAS
	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	e and complete.					UMENT OF PR
selection have been changed by permit applicant, an explanation should be included in Table E. uring construction and can be found online Form/Title	ARASH ZAHABI, PE Company: BLUEBERRY,INC. 25108 MARGUERITE PKWY, SUITE A123	Signature Date: 11/8/2023 CEA/ HERS Certification Identification (if applicable):	hn/\·				AS AN INSTR
	RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept respons. 3. The energy features and performance specifications, materials, components, and materials.	sibility for the building design or system design identified on this Certific					TITLE NG NG 24
	of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate or plans and specifications submitted to the enforcement agency for approval with this 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be rinspections. I understand that a completed signed copy of this Certificate of Compliance Shall be rinspections. I understand that a completed signed copy of this Certificate of Compliance Shall be responsible Designer Name: ARASH ZAHABI, PE	of Compliance are consistent with the information provided on other application. made available with the building permit(s) issued for the building, and mance is required to be included with the documentation the builder provided in the provided by the	de available o the enforcement agency for all applicable				SHEET SHEET SHEET SHOWN BY:
	BLUEBERRY,INC. 25108 MARGUERITE PKWY, SUITE A123 MISSION VIEJO, CA 92692	Date Signed: 11/8/2023 Ucerse: M35235 Phone: 949-945-9614				True North Compliance Services, Inc. PLAN REVIEW APPROVAL	B SS 224642 DATE: 88 08/07/2022
						THESE PLANSIDOCUMENTS HAVE BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE CALIFORNIA BUILDING STANDARDS CODES AS ADOPTED BY THE STATE OF CALIFORNIA AND AMENDED BY THE JURISDICTION. PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, NOR LOCAL REGULATION. BY: ***Idd: Sauckey** DATE: 12/06/2023	SCALE: AS SHOWN 是 DRAWING NO.
						THIS SET OF THE PLANS AND SPECIFICATIONS MUST BE KEPT ON THE JOB SITE AT ALL TIMES AND IT IS UNLAWFUL TO MAKE ANY CHANGES OR ALTERATIONS WITHOUT PERMISSION FROM THE CITY. OCCUPANCY OF STRUCTURE(S) IS NOT PERMITTED UNTIL FINAL APPROVAL IS GRANTED BY ALL APPLICABLE DEPARTMENTS.	P P P P P P P P P P P P P P P P P P P
Generated Date/Time: Documentation Software: Energy Code Ace Report Version: 2022.0.000 Compliance ID: 155992-1123-0005 Schema Version: rev 20220101 Report Generated: 2023-11-08 12:39:58	CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101	Documentation Software: Energy Code Ace Compliance ID: 155992-1123-0005 Report Generated: 2023-11-08 12:39:58				
see at a see	The requirements in 110.1 110.3, 120.3, and 140.5, and with requirements in 141.6 for editional are residented and hotel/matel accupancies compliance is demonstrated with requirements in 120.7 and interest in 141.6 for editional are residented and hotel/matel accupancies compliance is demonstrated with requirements in 120.7 and interest interest in 120.7 and interest interest in 120.7 and interest inter	COURTION ADDRESS COUNTY TO THE COURT OF THE	Constitution Notes in Control of	Company Comp	Company Comp	Company Comp	Column C