

ABBREVIATIONS			
&	AND	H	HIGH
@	AT	H.B.	HOSE BIBB
A.B.	ANCHOR BOLT	H.M.	HOLLOW METAL
A.C.	ASPHALT CONCRETE	HDW	HARDWARE
A.F.F.	ABOVE FINISHED FLOOR	HDWD	HARDWOOD
ACCOUS	ACCOUSTICAL	HGT	HEIGHT
ADJ	ADJUSTABLE	HORIZ	HORIZONTAL
ALT	ALTERNATE	HR	HOOR
ASP	ASPHALT	HTR	HEATER
ATTEN	ATTENUATION	HVAC	HEATING, VENTING & AIR CONDITIONING
B. ROD	BACKER ROD		
B.F.E.	BASE FLOOR ELEVATION	I.D.	INSIDE DIMENSION
B.F.P.D.	BACKFLOW PREVENTION DEVICE	IN or "	INCH
BD	BOARD	INSUL	INSULATION
BET	BETWEEN	INT	INTERIOR
BLDG	BUILDING	INV	INVERT
BM	BEAM		
C.B.U.	CEMENTITIOUS BACKER UNIT	JAN. CLO.	JANITOR CLOSET
C.I.	CAST IRON	JT	JOIST
C.M.U.	CONCRETE MASONRY UNIT	JUST	JOINT
C.T.	CERAMIC TILE		
CAB	CABINET	L.F.C.	LAB FURNISHING CONTRACTOR
CEM	CEMENT		
CER	CERAMIC	LAB	LABORATORY
CL	CENTERLINE	LAM	LAMINATED
CLG	CEILING	LAV	LAVATORY
COL	COLUMN	LB/ #	POUNDS
COMPO	COMPOSITION	LG	LONG
CONC	CONCRETE	LT/LGT	LIGHT
CONN	CONNECTION		
CONST	CONSTRUCTION	M.C.	MECHANICAL CONTRACTOR
CONT	CONTINUOUS		
CSK	COUNTERSUNK OR	M.O.	MASONRY OPENING
		M.T.	METAL TRIM OR METAL THRESHOLD
D.F.	DOUGLAS FIR	MAT'L	MATERIAL
D.S.	DOWN SPOUT	MAX	MAXIMUM
DEMO	DEMOLISH	MECH	MECHANICAL
DET	DETAIL	MET	METAL
DIA or Ø	DIAMETER	MFR	MANUFACTURER
DIAG	DIAGONAL	MIN	MINIMUM
DIM	DIMENSION	MISC	MISCELLANEOUS
DO	DITTO OR REPEAT	MTD	MOUNTED
DR	DOOR	MTL	METAL
DWG	DRAWING		
DWR	DRAWER		
(E)	EXISTING	(N)	NEW
E.C.	ELECTRICAL CONTRACTOR	N.A.	NOT APPLICABLE
E.J.	EXPANSION JOINT	N.I.C.	NOT IN CONTRACT
E.P.	ELECTRICAL PANEL	N.R.	NON-RATED
E.W.	EACH WAY	N.T.S.	NOT TO SCALE
E.W.C.	ELECTRICAL WATER COOLER	NAT	NATURAL
		NO.	NUMBER
EA	EACH	O.C.	ON CENTER
EL	ELEVATION	O.D.	OUTSIDE DIMENSION
ELEC	ELECTRICAL	O.F.	OWNER FURNISHED
ELEV	ELEVATOR	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
ENV	ENVELOPE		
EQ	EQUAL	O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
EQUIP	EQUIPMENT		
EXIST	EXISTING	O.H.	OVERHEAD
EXP	EXPOSED	O.S.B.	ORIENTED STRAND BOARD
EXT	EXTERIOR	OBS	OBSCURE
		OFD	OVERFLOW DRAIN
		OPNG	OPENING
		OPP	OPPOSITE
F.D.	FLOOR DRAIN		
F.E.	FIRE EXTINGUISHER		
F.F.	FINISH FLOOR OR FACTORY FINISH	P.B.	PUSH BUTTON
		P.G.	PAINT GRADE
F.G.	FINISH GRADE	P.I.P.	POURED-IN-PLACE
F.H.	FIRE HYDRANT	P.J.	PANEL JOINT
F.H.C.	FIRE HOSE CABINET	P.LAM	PLASTIC LAMINATE
F.L.	FLOW LINE	P.O.C.	POINT OF CONNECTION
F.O.B.	FACE OF BRICK	P.V.C.	POLY VINYL CHLORIDE
F.O.S.	FACE OF STUD	PAN	PANEL
F.O.W.	FACE OF WALL	PARTN	PARTITION
FIN	FINISH/ 'ED	PL	PLATE
FLR	FLOOR	PLAS	PLASTER
FLUOR	FLUORESCENT	PLYWD	PLYWOOD
FT or '	FEET	POL	POLISHED
FUT	FUTURE	PSI	POUND PER SQUARE-INCH
		PTD	PAINTED
G.I.	GALVANIZED IRON		
G.S.B.	GYPSUM SHEATHING BOARD	R.D.	ROOF DRAIN
		R.O.	ROUGH OPENING
G.W.B.	GYMPSUM WALLBOARD	RAD	RADIUS
GA	GAUGE	RD	ROUND
GALV	GALVANIZED	REF	REFRIGERATOR OR REFERENCE
GL	GLASS		
GYP	GYPSUM	REQ'D	REQUIRED

SCOPE OF WORK	
SCOPE OF WORK SUMMARY:	
DEMOLITION OF OFFICE WALL & SUSPENDED CEILINGS, & CARPETING. RELOCATION OF (2) DOORS. CONSTRUCTION OF NEW OFFICE WALL, SUSPENDED CEILINGS AND CARPETING. PAINTING RELOCATION OF EXISTING FURNITURE.	
REPLACEMENT OF AIR REGISTERS, INSTALLATION OF TRANSFER GRILL AND ACOUSTICAL BOOTS. DEMO NON-LED LIGHTING, INSTALLATION OF NEW LED LIGHTING. RELOCATE (E) RECEPTACLE RELOCATION OF EXISTING FIRE ALARM DEVICE.	
BUILDING CODE (SEE G1.02 FOR ENTIRE CODE ANALYSIS):	
CONSTRUCTION TYPE: II-B FULLY SPRINKLERED	
USE OR OCCUPANCIES: B BUSINESS: OFFICES/STAFF A3 ASSEMBLY: PUBLIC SERVICE TRAINING ROOM S-1 REPAIR GARAGE S-2 PARTS STORAGE AND MEZZANINE	
TOTAL AREA:	21,133 SF
PROJECT AREA:	455 SF
OCCUPANT LOAD: BUILDING: ADMINISTRATION BUILDING 173 VEHICLE MAINTENANCE BUILDING 144 SEE G1.02 FOR ADDITIONAL OCCUPANT LOAD INFORMATION	
BUILDING ADDRESS: 12650 EAST IMPERIAL HIGHWAY NORWALK, CA 90650	
AIN: 8045-001-902	

DEFERRED APPROVALS	
1.	A SEPARATE FIRE SPRINKLER PERMIT IS REQUIRED FOR ALL MODIFICATIONS TO EXISTING FIRE SPRINKLERS. PLANS SHALL BE SUBMITTED TO THE FIRE DEPARTMENT FOR APPROVAL.

PATH OF TRAVEL	
THE PATH OF TRAVEL (P.O.T.) AS VERIFIED BY THE PROJECT ARCHITECT, IS:	
1.	A COMMON BARRIER FREE ACCESSIBLE ROUTE FROM THE PUBLIC SIDEWALK AND FROM THE NEAREST DISABLED PARKING SPACES THROUGH THE PRIMARY ENTRANCE OF THE BUILDING TO THE SPECIFIC AREA OF ALTERATION OR ADDITION AND INTO THE ACCESSIBLE TOILETS SERVING THE ALTERATION OR ADDITION,
2.	AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2 BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL,
3.	THE PATH IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH,
4.	PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART,
5.	CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART,
6.	CROSS SLOPE DOES NOT EXCEED 2%,
7.	SLOPE IN ANY DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED AS A RAMP,
8.	MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE.

NORWALK TRANSIT SYSTEM

12650 EAST IMPERIAL HIGHWAY


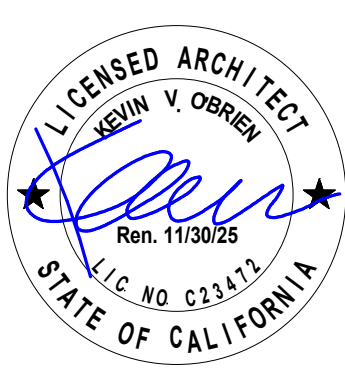
NORWALK, CA 90650

OPERATIONS DEPARTMENT RECONFIGURATION

BACKCHECK REVIEW
7/23/2021

APPLICABLE CODES	SHEET INDEX
ALL WORK PERTAINING TO AND ALL MATERIALS SUPPLIED FOR EXECUTING AND COMPLETING THIS CONTRACT SHALL COMPLY WITH PROVISIONS SPECIFIED IN THE CONTRACT DOCUMENTS AND WITH ALL APPLICABLE LAWS, REGULATIONS AND ORDINANCES GOVERNING WORK INCLUDING, BUT NOT NECESSARILY LIMITED TO THOSE OF: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), Part 1, Title 24 C.C.R. 2022 CALIFORNIA BUILDING CODE (CBC), Part 2, Title 24 C.C.R. 2022 CALIFORNIA ELECTRICAL CODE (CEC), Part 3, Title 24 C.C.R. 2022 CALIFORNIA MECHANICAL CODE (CMC), Part 4, Title 24 C.C.R. 2022 CALIFORNIA PLUMBING CODE (CPC), Part 5, Title 24 C.C.R. 2022 CALIFORNIA ENERGY CODE, TITLE 24, Part 6 Title 24 C.C.R. 2022 CALIFORNIA ENERGY STANDARDS, Title 24 C.C.R. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBC), Part 11, Title 24 C.C.R. 2022 CALIFORNIA FIRE CODE (FCF), Part 9, Title 24 C.C.R. 2022 CALIFORNIA REFERENCED STANDARDS CODE (CRSC), Part 12, Title 24 C.C.R. NFPA 13 AUTOMATIC SPRINKLER SYSTEMS, 2022 EDITION NFPA 14 STANDPIPE SYSTEMS, 2024 EDITION NFPA 20 STATIONARY PUMPS, 2022 EDITION NFPA 24 PRIVATE FIRE MAIN, 2022 EDITION NFPA 72 NATIONAL FIRE ALARM CODE, (CALIFORNIA AMENDED), 2022 EDITION NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERINGS, 2023 EDITION NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2022 EDITION AMERICANS WITH DISABILITIES ACT (ADA) ALL APPLICABLE CODES OF THE CITY OF NORWALK AND THE COUNTY OF LOS ANGELES.	GENERAL G1.00 COVER SHEET G1.01 GENERAL NOTES AND LEGENDS G1.02 BUILDING CODE ANALYSIS G1.20 FORMS ARCHITECTURAL A1.01 SITE PLAN A1.10 SITE DETAILS A2.10 FIRST FLOOR PLAN (OVERALL) A2.21 PARTIAL REFLECTED PLANS A2.31 PARTIAL REFLECTED CEILING PLANS A7.20 ACCESSIBILITY DETAILS A7.21 ACCESSIBILITY DETAILS A7.22 ACCESSIBILITY DETAILS A7.60 ACOUSTICAL CEILING TILE DETAILS A8.01 DOOR SCHEDULE, FINISH SCHEDULE, AND WALL DETAILS A9.01 FURNITURE FLOOR PLAN MECHANICAL M-1.01 MECHANICAL FRONT SHEET M-1.02 MECHANICAL MECHANICAL SYMBOLS AND ABBREVIATIONS M-1.03 MECHANICAL SCHEDULES M-1.04 FIRST FLOOR OVERALL PLAN M-2.10 MECHANICAL FLOOR PLANS M-3.10 MECHANICAL DETAILS M-3.11 MECHANICAL DETAILS M-3.12 MECHANICAL SPECIFICATIONS M-3.13 MECHANICAL SPECIFICATIONS ELECTRICAL E0.01 ELECTRICAL FRONT SHEET E1.01 ELECTRICAL DEMOLITION AND POWER PLANS E1.02 ELECTRICAL DEMOLITION AND LIGHTING PLANS E2.01 ELECTRICAL SPECIFICATIONS E3.01 ELECTRICAL T-24 COMPLIANCE FORMS - INDOOR

PROJECT TEAM			
Owner:	CITY OF NORWALK		
Contact:	Norwalk Transit System Janet Welde jwelde@norwalkca.gov	MEP:	Budlong & Associates 315 Arden Ave, Suite 23 Glendale CA, 91203 818-638-8780
Architect:	LCDG 630 N. Rosemead Blvd, Ste 400 Pasadena CA, 91107 626-351-4301	Contact:	Eric Melendez, Mechanical Designer eric@budlong.com
Contact:	Kevin O'Brien, AIA, Principal in Charge kobrien@lcdg.com		

 <p>La Cañada Design Group Architecture Planning Interiors</p> <p>630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com</p>		engineering division		CITY OF NORWALK	
		TITLE: COVER SHEET NORWALK TRANSIT SYSTEM MAINTENANCE OFFICE		PROJECT NO. 0655 DRAWING NO. G1.00	
Prepared Under the Supervision of: KEVIN O'BRIEN C23472 3/1/2024 11:00:51 AM PLOT DATE		REVISIONS DATE BY CODE UPDATE 3/1/2024	FIELD BOOK REF	PLAN REF	Approved Recommended CITY ENGINEER RCE 57908 DATE Drawn By AS Checked By RL

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GENERAL NOTES

I - GENERAL CONDITIONS

I - 1. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE PLANS AND COORDINATE THE WORK PRIOR TO THE COMMENCEMENT OF ANY PORTION OF THE WORK.

I - 2. THE CONTRACTOR IS THE PERSON OR ENTITY IDENTIFIED AS SUCH IN THE OWNER/CONTRACTOR AGREEMENT AND IS REFERRED TO THROUGHOUT THE CONTRACT DOCUMENTS AS IF SINGULAR IN NUMBER AND MASCULINE IN GENDER. THE TERM CONTRACTOR MEANS THE CONTRACTOR, HIS AUTHORIZED REPRESENTATIVE, AND/OR HIS SUB-CONTRACTORS.

I - 3. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE PROJECT ON WHICH THE WORK IS PERFORMED AND FOR THE SAFETY OF ALL PERSONS AND/OR PROPERTY DURING THE PERFORMANCE OF THE CONTRACT.

I - 4. PROTECT ALL WORK, MATERIALS AND EQUIPMENT FROM DAMAGE FROM ANY CAUSE WHATSOEVER INCLUDING INCLEMENT WEATHER.

I - 5. PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING THE PROGRESS OF THE WORK.

I - 6. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SIGNAGE AROUND EXTERIOR OF THE TEMPORARY FENCE INDICATING THAT THE SITE ACCESS IS RESTRICTED TO CONSTRUCTION WORKERS ONLY.

I - 7. GENERAL CONTRACTOR MUST PROVIDE TEMPORARY TOILETS FOR ALL WORKERS ON THE SITE AND REGULARLY MAINTAIN CLEANLINESS THROUGHOUT THE DURATION OF THE PROJECT.

II - CODE COMPLIANCE

II - 1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

II - 2. BUILDING CONSTRUCTION IS DESIGNED TO CONFORM TO THE REQUIREMENTS OF THE CBC 2022 EDITION, THE CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, STATE FIRE MARSHAL, CAL-OSHA, REGULATIONS FOR THE ACCOMMODATION OF THE PHYSICALLY HANDICAPPED, AND MUNICIPAL, STATE OR FEDERAL ORDINANCES, CODES AND/OR REGULATIONS. REFER TO SHEET G1.00 FOR APPLICABLE CODES.

II - 3. ALL INTERIOR FINISHES SHALL CONFORM TO THE STATE FIRE MARSHAL FLAME SPREAD RATING REQUIREMENTS AND CBC CHAPTER B.

II - 4. ALL FLOOR SURFACES IN PUBLIC AREAS SHALL BE NON-SLIP IN COMPLIANCE WITH DIVISION 18 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA.

II - 5. A. EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

B. MAXIMUM EFFORT TO OPERABLE DOORS SHALL BE NOT EXCEED 8-1/2 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.

II - 6. PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM-E-184. SEE SPECIFICATION REQUIREMENTS.

II - 7. ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROVIDED WITH APPROVED FIRE DAMPERS.

II - 8. COORDINATE ALL UNDERGROUND UTILITIES WITH COLUMN FOOTINGS AND BUILDING FOOTING. PENETRATION OF PIPES, CONDUITS, DUCT, ETC. IN BUILDING ELEMENTS REQUIRING PROTECTED OPENINGS PER CHAPTER 7 SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL & COMPLY WITH UBC STANDARD #7-1. SUBMIT SHOP DRAWINGS DETAILS FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL WHICH CONFORMANCE AND SHALL BE PECIFIED FOR EACH PENETRATION WITH ALL VARIABLES DEFINED. THESE FINAL AND APPROVED DRAWINGS SHALL BE READILY AVAILABLE TO THE DISTRICT INSPECTOR AT ALL TIMES AT THE PROJECT SITE.

II - 9. TOILET ROOMS SHALL BE PROVIDED WITH ONE (1) COMPLETE AIR CHANGE EVERY FIVE (5) MINUTES; TWELVE (12) PER HOUR.

III - CONSTRUCTION REQUIREMENTS

III - 1. ALL GYPSUM BOARD SHALL BE TYPE 'X' FIRE RESISTANT.

III - 2. PROVIDE ALL NECESSARY BLOCKING, BACKING PLATES, FRAMING, SUPPORTS AND ANCHORING DEVICES AS EQUIRED FOR THE INSTALLATION OF LIGHT FIXTURES, ELECTRICAL UNITS, MECHANICAL EQUIPMENT, TOILET ACCESSORIES AND SPECIAL EQUIPMENT.

III - 3. PROVIDE PROPER SLEEVING AND CAULKING TO ALL PLUMBING AND ELECTRICAL CONDUITS AND PIPES PASSING THROUGH SLAB ON GRADE AND CONCRETE OR MASONRY WALLS.

III - 4. PATCH AND REPAIR ALL SURFACES DAMAGED DURING CONSTRUCTION OR DEMOLITION. MATCH EXISTING FINISHES.

III - 5. UNLESS OTHERWISE INDICATED, SLOPE FINISH GRADE AWAY FROM BUILDING AT 1/4" PER FT.

III - 6. MINIMUM THICKNESS OF UNREINFORCED CONC. WALKS AND SLABS IS 4". PROVIDE CONTROL JOINTS AS SHOWN. WHERE CONTROL JOINTS ARE NOT SHOWN PROVIDE JOINTS IN SQUARES SAME WIDTH OF WALK. PROVIDE COLD JOINTS IN CONCRETE PAVED AREAS WHERE SHOWN OR AT MAXIMUM SPACING OF 20'-0". SEE SPECS. EXTERIOR SLAB AND WALKS SHALL HAVE EXPANSION JOINTS ONLY WHERE SHOWN ON DRAWINGS. CONCRETE CURBS SHALL HAVE EXPANSION JOINTS AT 40'-0" O.C. MAX AND ALIGNED WITH WALK CONSTRUCTION JOINTS TYPICALLY.

III - 7. FIELD VERIFY THE EXACT LOCATION OF BELOW GROUND PIPING AND UTILITIES IN THE IMMEDIATE VICINITY OF THE WORK, WHETHER SHOWN ON DRAWINGS OR NOT. MARK ALL EXISTING PIPING AND UTILITIES AFFECTED BY THE WORK USING AN UNDERGROUND PIPE LOCATOR TO LOCATE POSITION OF PIPES AND CONDUITS AND BY SPRAY PAINTING OF PIPES AND CONDUITS ON THE SURFACE. THE CONTRACTOR SHALL ADD THE EXISTING UNDERGROUND UTILITIES FOUND DURING BLUESTAKING TO DRAWINGS FOR RECORD. CONTRACTOR SHALL RESPONSIBLE FOR ANY DAMAGE THAT MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE ANY AND ALL UNDERGROUND UTILITIES.

III - 8. FOR CABINETS THAT REQUIRED LOCKS, ALL SUCH LOCKS SHALL BE KEYED ALIKE.

IV - DRAWINGS

IV - 1. THE INFORMATION CONTAINED WITHIN THE CONTRACT DOCUMENT SET IS GIVEN SO AS TO ADEQUATELY CONVEY THE DESIGN INTENT. IT IS NOT MEANT TO BE EXHAUSTIVE IN SCOPE OR TOTALLY COMPREHENSIVE IN DETAIL NOR IS IT MEANT TO BE ALL INCLUSIVE OF THE MATERIALS/LABOR TO PRODUCE THE JOB AS INTENDED.

IV - 2. ALL DRAWINGS, NOTES, SYMBOLS, ETC. WITHIN THE CONTRACT DOCUMENT SET ARE INTENDED TO CONVEY THE DESIGN INTENT. NO DRAWING, NOTE, SYMBOL, ETC. SHALL SUPERSEDE ANOTHER. ALL CONFLICTS THAT ARISE SHALL BE REPORTED IN WRITING TO THE ARCHITECT FOR CLARIFICATION/ RESOLUTION WITHIN THE DESIGN INTENT.

IV - 3. ALL WORK IS TO BE CONSIDERED NEW UNLESS NOTED AS (E), EXISTING, SALVAGE OR RELOCATE.

IV - 4. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND REQUIREMENTS.

IV - 5. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

IV - 6. VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, BASES AND SPECIAL PROVISIONS REQUIRED FOR EQUIPMENT, PLUMBING FIXTURES, DUCTS, PIPING, CONDUIT, FINISH HARDWARE, ETC.

IV - 7. ALL WALL DIMENSIONS ARE TO FACE OF STUD (FOS). ALL CLEAR DIMENSIONS (EXTERIOR AND INTERIOR) ARE FROM FACE OF FINISH (FOF) TO FACE OF FINISH (FOF), U.N.O.

IV - 8. FINISH FLOOR ELEVATIONS REFER TO: TOP OF CONCRETE SLAB UNDER CARPET OR RESILIENT FLOORING OR WHERE EXPOSED AT FIRST LEVEL AND TOP OF LIGHTWEIGHT CONCRETE TOPPING AT SECOND LEVEL. TOP OF CERAMIC TILE SET AT +1/4" ABOVE FINISH CONCRETE SLAB.

DEMOLITION NOTES

1. WORK INCLUDES THE SELECTIVE DEMOLITION, REMOVAL, AND DISPOSAL OF REMOVED MATERIALS AS SHOWN IN DRAWINGS TO OBTAIN DESIRED DESIGN INTENT.

2. ITEMS TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. ITEMS TO BE DEMOLISHED SHALL BE DEMOLISHED TO THE EXTENT REQUIRED TO FACILITATE NEW WORK. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM SITE.

3. PROPERLY STORE AND PROTECT ALL SALVAGED ITEMS FOR LATER REINSTALLATION.

4. REMOVED ITEMS MAY BE COATED WITH LEAD CONTAINING PAINT. GYPSUM BOARD AND GLAZING PUTTY ARE ASBESTOS CONTAINING

5. AT JUNCTURE OF WORK TO REMAIN AND WORK DEMOLISHED, MAKE STRAIGHT, PLUMB, EVEN CUTS.

6. UTILITIES, PIPING AND SERVICES TO BE PROPERLY DISCONNECTED AND CAPPED OR RELOCATED AS REQUIRED. VERIFY REQUIREMENTS WITH UTILITY COMPANIES AND CODE REQUIREMENTS. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL REMOVAL AND DEMOLITION INFORMATION.

7. HAVE EMERGENCY SHUT-OFF PROCEDURES IN PLACE PRIOR TO START OF DEMOLITION. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL SHUT-OFF VALVE LOCATIONS ON SITE AND HAVE PROPER TOOLS READILY AVAILABLE TO OPERATE VALVES.

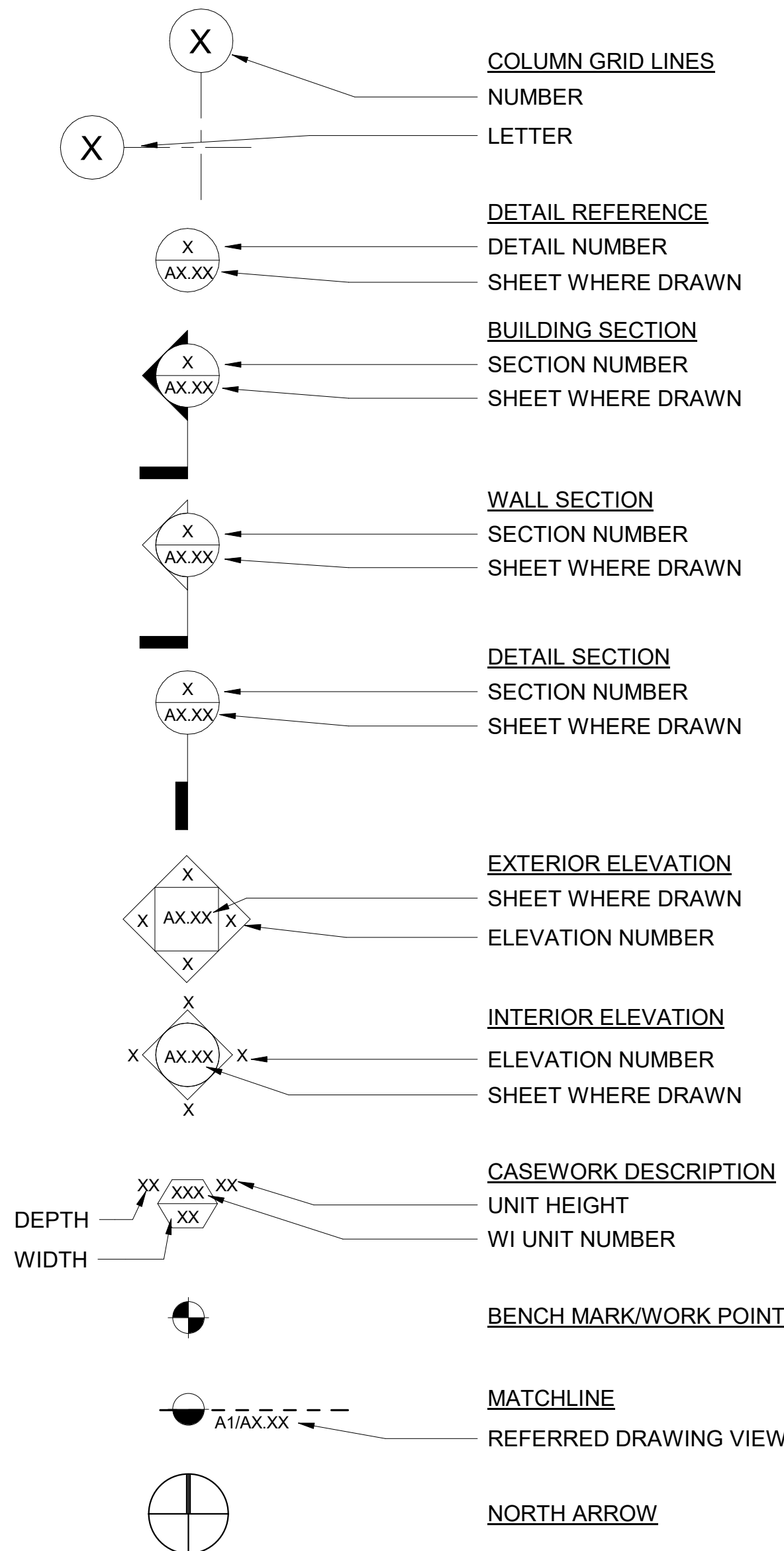
8. PROTECT ALL EXISTING WORK TO REMAIN. PREVENT DAMAGE TO BUILDING STRUCTURE, STEEL FIREPROOFING, BUILDING UTILITY LINES, ETC. PROTECT ADJACENT CONSTRUCTION AND AREAS FROM DUST, DEBRIS AND DAMAGE. PROVIDE AIR TIGHT DUST SHIELD.

9. WHERE WALL IS REMOVED, CAP OFF AND CONCEAL AFFECTED UTILITIES WITHIN REMAINING WALL CAVITY. PROVIDE ADDITIONAL FRAMING AND FINISH MATERIAL TO ACCOMMODATE THE PORTION OF WALL TO REMAIN. PATCH AND REPAIR ADJACENT WALL, FLOOR AND CEILING FINISHES TO MATCH SURFACE, TEXTURE AND COLOR.

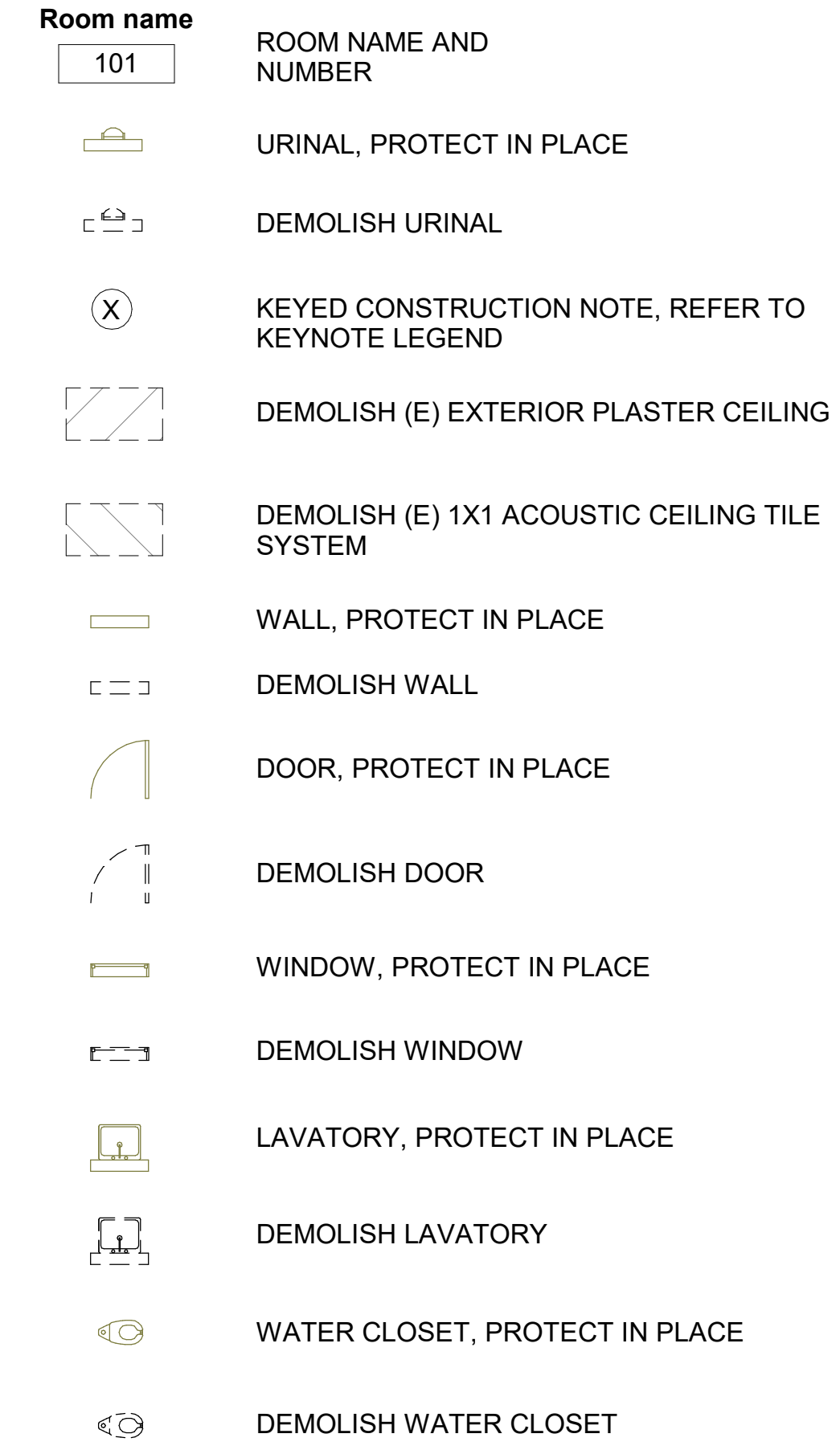
10. ABANDONED FLOOR AND WALL PENETRATIONS ARE TO BE CAPPED OFF AND PATCHED TO MATCH SURFACE, TEXTURE AND COLOR OF ADJACENT SURFACES.

11. AT COMPLETION OF DEMOLITION LEAVE SPACES AND SURFACES BROOM CLEAN AND FREE OF DEMOLISHED MATERIALS.

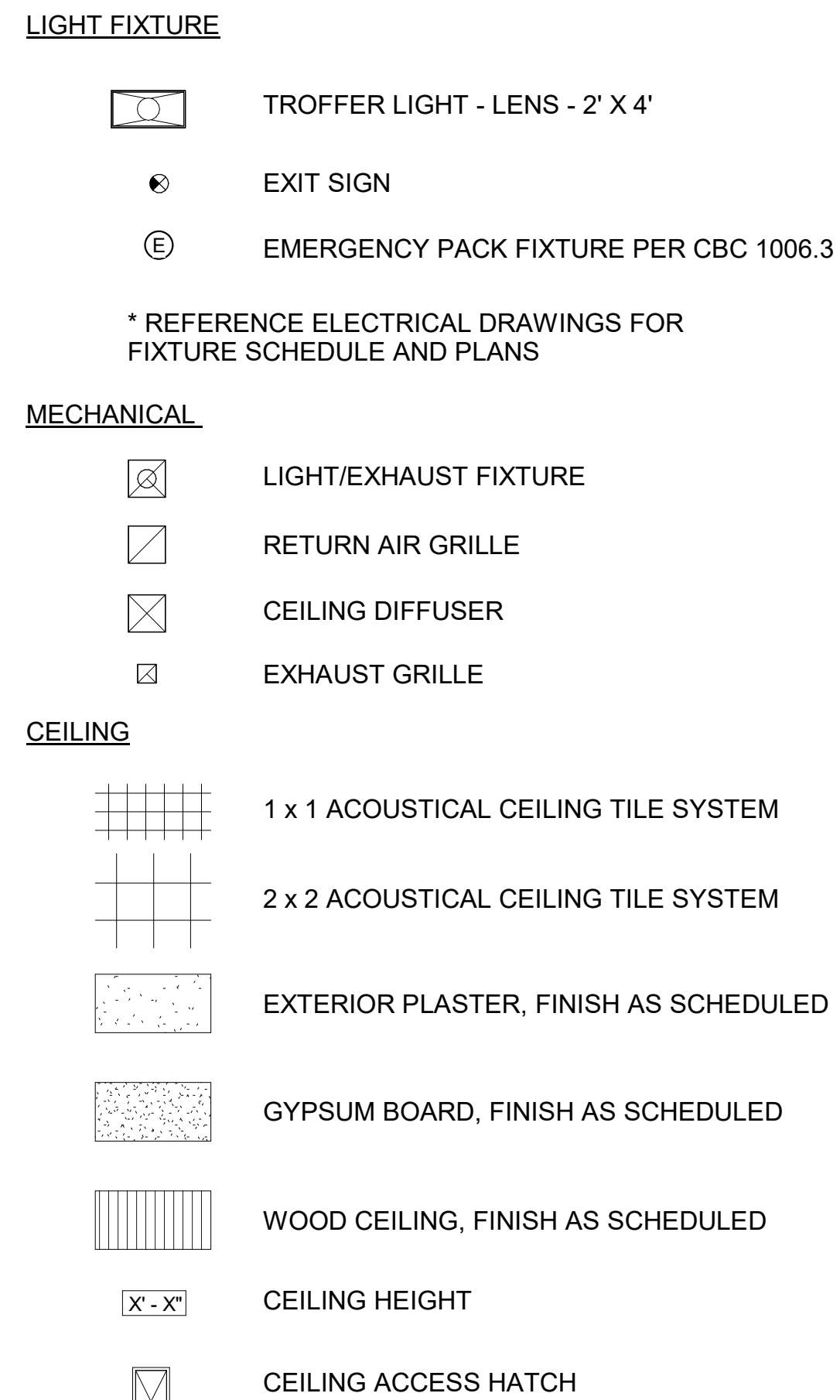
SYMBOL LEGEND



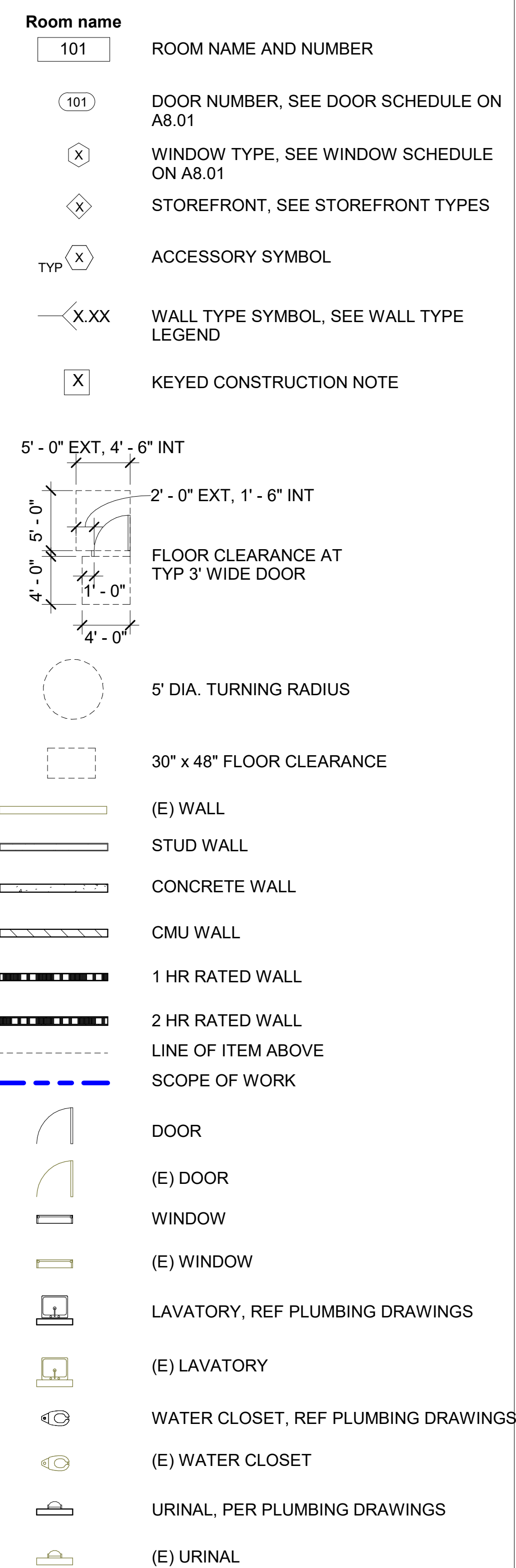
DEMOLITION PLAN LEGEND



REFLECTED CEILING PLAN LEGEND



FLOOR PLAN LEGEND



<p>LCDG La Cañada Design Group Architecture Planning Interiors</p> <p>630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com</p>		<p>engineering division</p>		<p>CITY OF </p>						
		<p>REVISIONS</p> <table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>CODE UPDATE</th> </tr> <tr> <td>3/11/2024</td> <td></td> <td></td> </tr> </table>		DATE	BY	CODE UPDATE	3/11/2024			<p>TITLE: GENERAL NOTES AND LEGENDS NORWALK TRANSIT SYSTEM MAINTENANCE OFFICE</p>
DATE	BY	CODE UPDATE								
3/11/2024										
<p>Prepared Under the Supervision of:</p> <p>KEVIN O'BRIEN C23472 3/11/2024 11:03:40 AM PLOT DATE</p>		<p>Approved</p> <p>CITY ENGINEER Recommended RCE 57908 DATE</p>	<p>Approved</p> <p>DATE</p>	<p>DRAWING NO. G1.01</p>	<p>DRAWING NO. G1.01</p>					
<p>FIELD BOOK REF</p> <p>PLAN REF</p>		<p>Drawn By AS</p>	<p>Checked By RL</p>	<p>SHEET OF</p>	<p>SHEET OF</p>					

CODE ANALYSIS - ADMINISTRATION BLDG

BUILDING: ADMINISTRATION BLDG

USE or OCCUPANCIES (CBC CHAPTER 3):
 Occupancy Classification (CBC 301):
 B BUSINESS: OFFICES/STAFF
 A-3 ASSEMBLY: PUBLIC SERVICE TRAINING RM

FLOOR AREAS (PER CBC 1002):
 BUSINESS
 FIRST FLOOR 10,653 SF
 SECOND FLOOR 6,060 SF
 THIRD FLOOR 4,420 SF
 TOTAL 21,133 SF

FIRE PROTECTION SYSTEMS (CBC Chapter 9)
 Automatic Sprinkler Systems (CBC 903)
 903.2.1.3 Group A-3
 1. 1,280 < 12,000 sf NOT REQUIRED
 2. Occ load < 300 NOT REQUIRED
 3. Areas are at same level of exit discharge. NOT REQUIRED
 4. No exhibition or display areas NOT REQUIRED

GENERAL BUILDING HEIGHTS & AREAS (CBC CHAPTER 5):
 General Height and Area Limitations (CBC 503)
 Allowable Height and Building Area (Table 503)

Occupancy	Const Type	Max Height (ft)	Max Area (sf)	Max Stories
B	II-B	55	23,000	3
A-3	II-B	55	9,500	2

Height (CBC 504)
 Automatic Fire sprinkler increase (CBC 504.2)
 SPRINKLERED
 Max height: 75 ft
 Max stories: 4

Mezzanines (CBC 505) N/A
 Special Provisions (CBC 509) N/A

TYPES OF CONSTRUCTION (CBC Chapter 6)
 Fire-Resistive Requirements (CBC Tables 601):

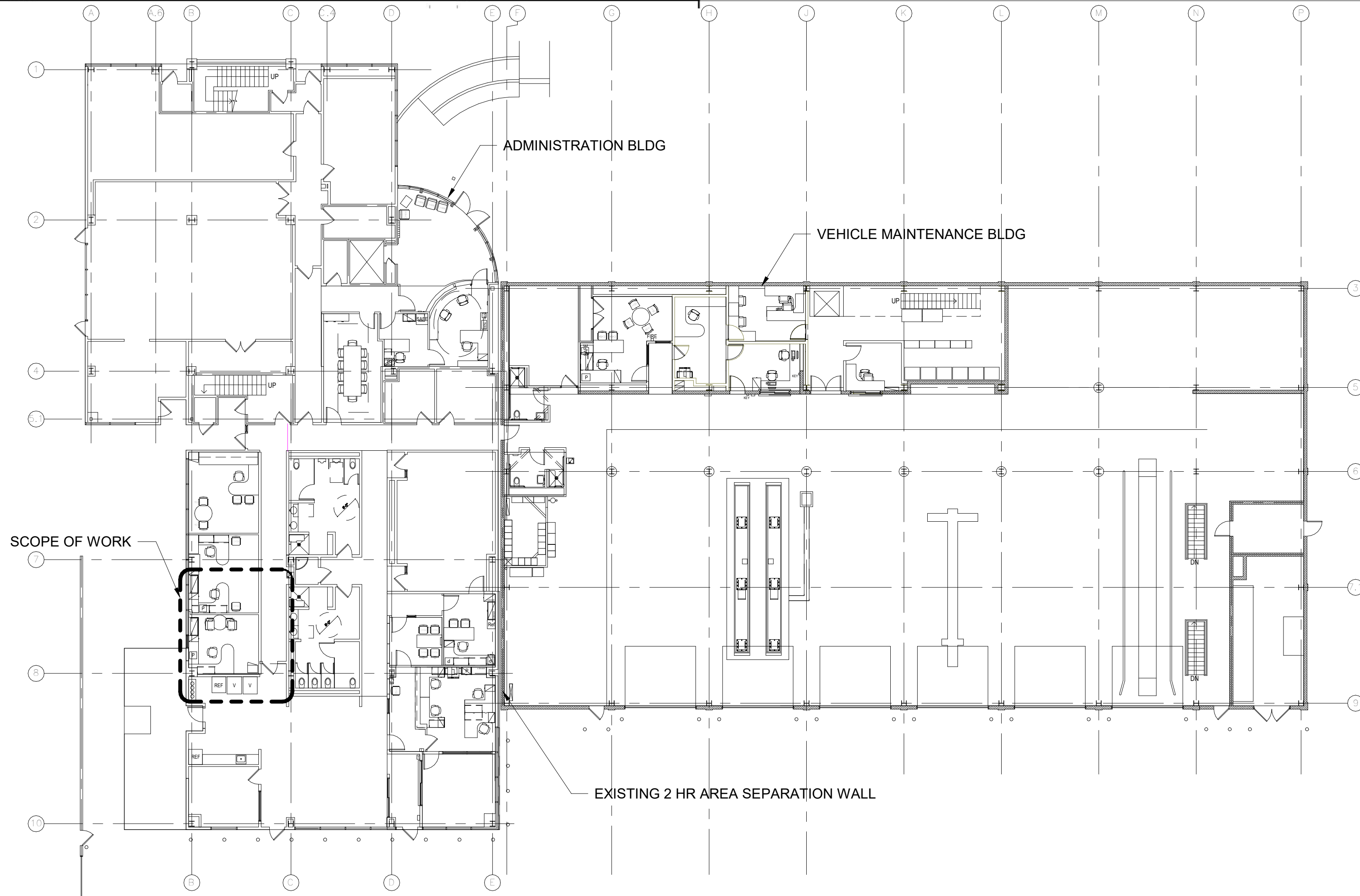
BUILDING ELEMENT	CONST TYPE: II-B
STRUCTURAL FRAME:	NR
EXTERIOR BEARING WALLS	2-HR
INTERIOR BEARING WALLS	NR
EXTERIOR NON-BEARING WALLS:	See Table 602
INTERIOR NON-BEARING WALLS & PARTITIONS:	NR
SHAFT ENCLOSURES (Per 706.4)	1HR
FLOORS	NR
ROOFS	NR

Fire-Resistive Rating Requirements for Exterior Walls Based On Fire Separation Distance (CBC Table 602)

SEPARATION DISTANCE	B OCCUPANCY	A-3 OCCUPANCY
X < 5	1 HR	1 HR
5 ≤ X < 10	1 HR	1 HR
10 ≤ X < 30	0	0
X ≥ 30	0	0

FIRE-RESISTANCE-RATED CONSTRUCTION (CBC Chapter 7)
 Allowable Area of Openings (CBC 705.6)

Class of Opening	0 to <3	3 to <5	5 to <10	10 to <15	15 to <20	20 to <25	25 to <30	>30
Unprotected, nonsprinklered	Not Permitted	Not Perm.	10%	15%	25%	45%	70%	No Limit
Unprotected, sprinklered	Not Permitted	15%	25%	45%	75%	No Limit	No Limit	No Limit
Protected	Not Permitted	15%	25%	45%	75%	No Limit	No Limit	No Limit



1 FIRST FLOOR PLAN

Scale: 1/16" = 1'-0"

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REVISIONS		
DATE	BY	CODE UPDATE
3/1/2024		

FIELD	BOOK	REF
PLAN		

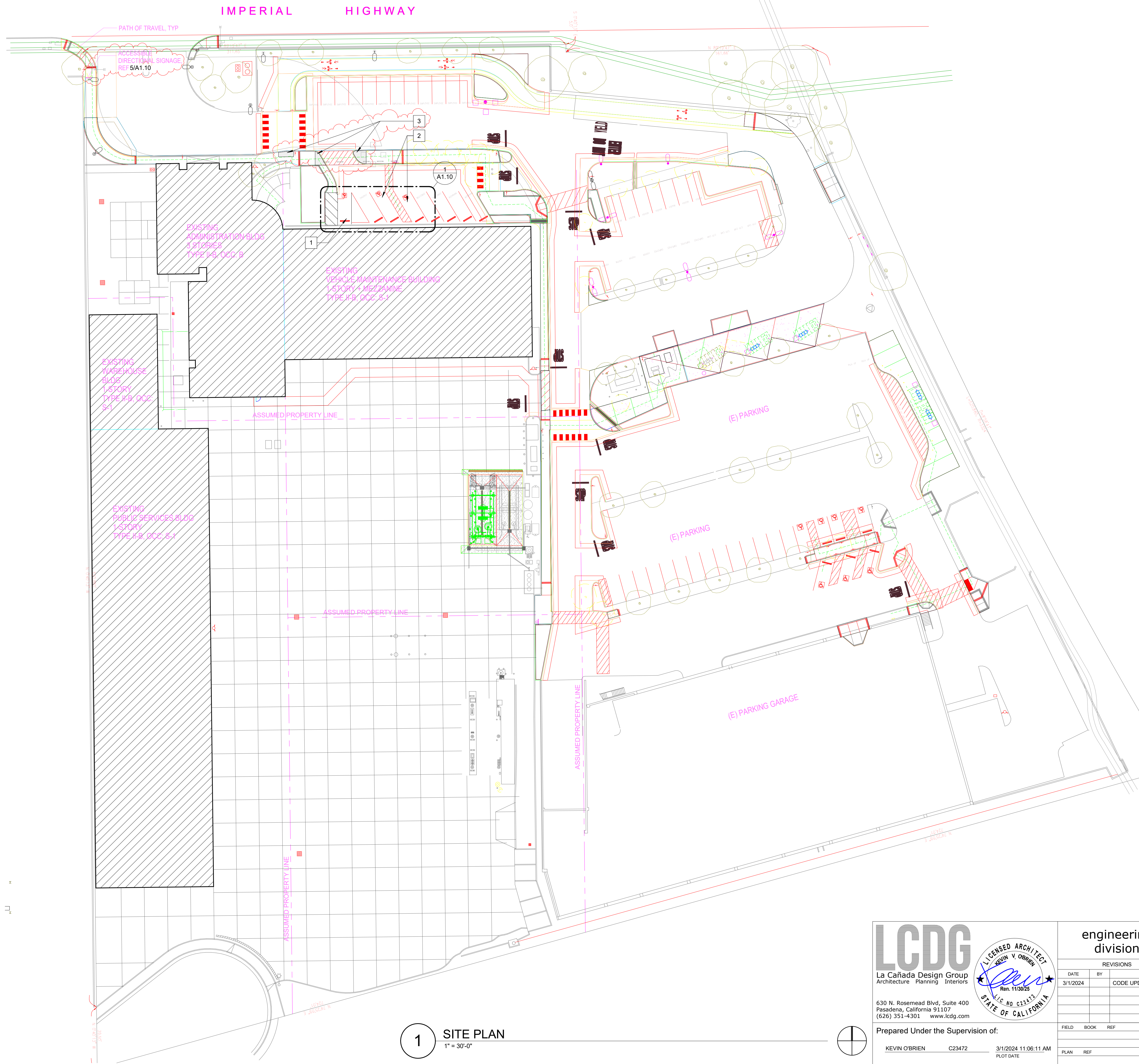
CITY OF NORWALK

TITLE: BUILDING CODE ANALYSIS
 NORWALK TRANSIT SYSTEM
 MAINTENANCE OFFICE

Approved: PROJECT NO. 0655
 CITY ENGINEER: RCE 57908 DATE: DRAWING NO. G1.02
 Recommended: DATE: SHEET OF

Drawn By AS Checked By RL

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SITE PLAN KEYNOTES	
1	(E) 9'W DISABLED ACCESS VAN STALL W/ SIGNAGE AND STRIPED ACCESS AISLE
2	(E) 9'W DISABLED ACCESS STANDARD STALL W/ SIGNAGE AND STRIPED ACCESS AISLE
3	(E) DETECTABLE WARNING TILES, REF 3/A1.10

- SITE PLAN GENERAL NOTES**
- NOTED ITEMS ARE NEW UNLESS INDICATED AS EXISTING, SALVAGE OR DEMOLISH.
 - GRIDS ARE FOR CLARIFICATION PURPOSES ONLY.
 - SEE G1.00 FOR TYPICAL ABBREVIATIONS.
 - DIMENSIONS ARE TO FACE OF STUD AND/OR CENTER OF COLUMN U.N.O. FOR ADDITIONAL DIMENSIONS REFER TO ENLARGED PLANS.

SITE PLAN LEGEND

	NEW BUILDING
	EXISTING BUILDING
	ACCESSIBLE PATH OF TRAVEL
	PROPERTY LINE
	SCOPE OF WORK
	LINE OF ITEM ABOVE
	CHAIN LINK FENCE

1 SITE PLAN
1" = 30'-0"

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S.C.E. NO. C13173
STATE OF CALIFORNIA

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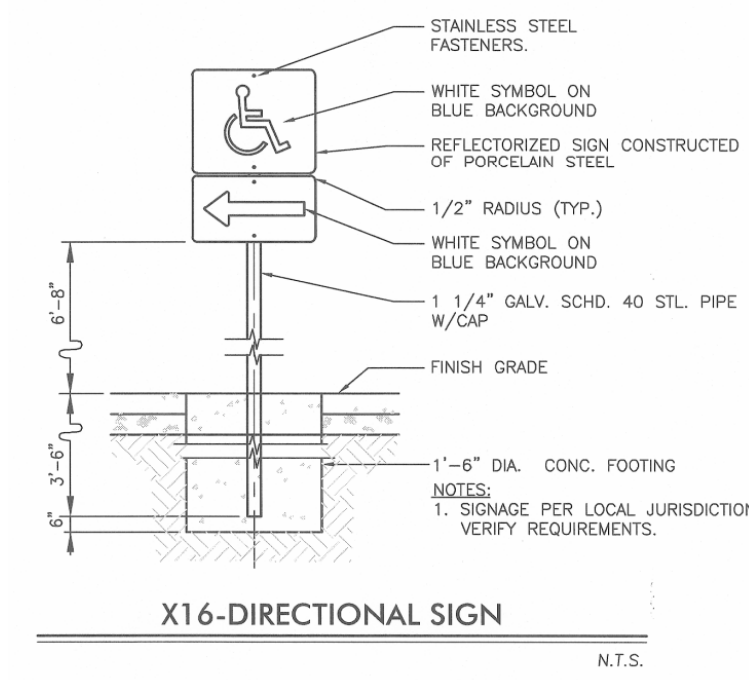
FIELD	BOOK	REF
PLAN		

CITY OF NORWALK

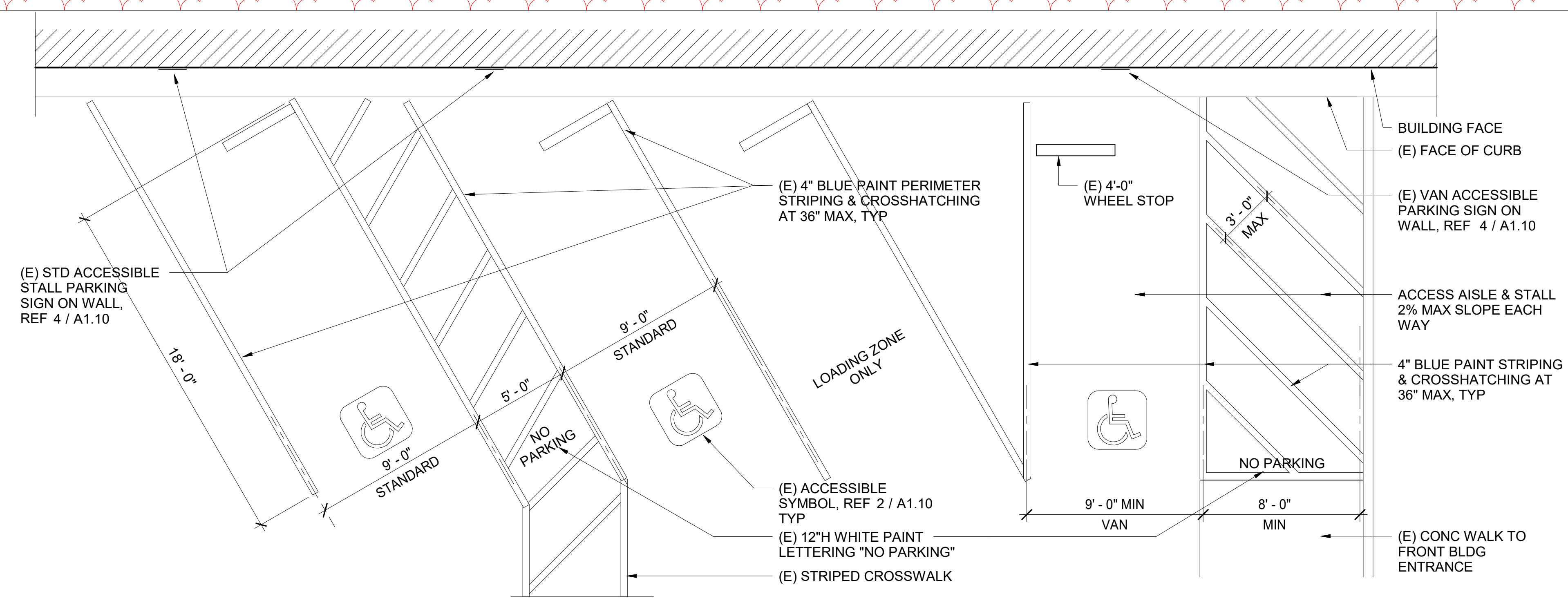
TITLE: **SITE PLAN NORWALK TRANSIT SYSTEM MAINTENANCE OFFICE**

Approved	RCE	57908	DATE	PROJECT NO.	0655
CITY ENGINEER	Recommended			DRAWING NO.	A1.01
Drawn By	AS	Checked By	RL	SHEET	OF

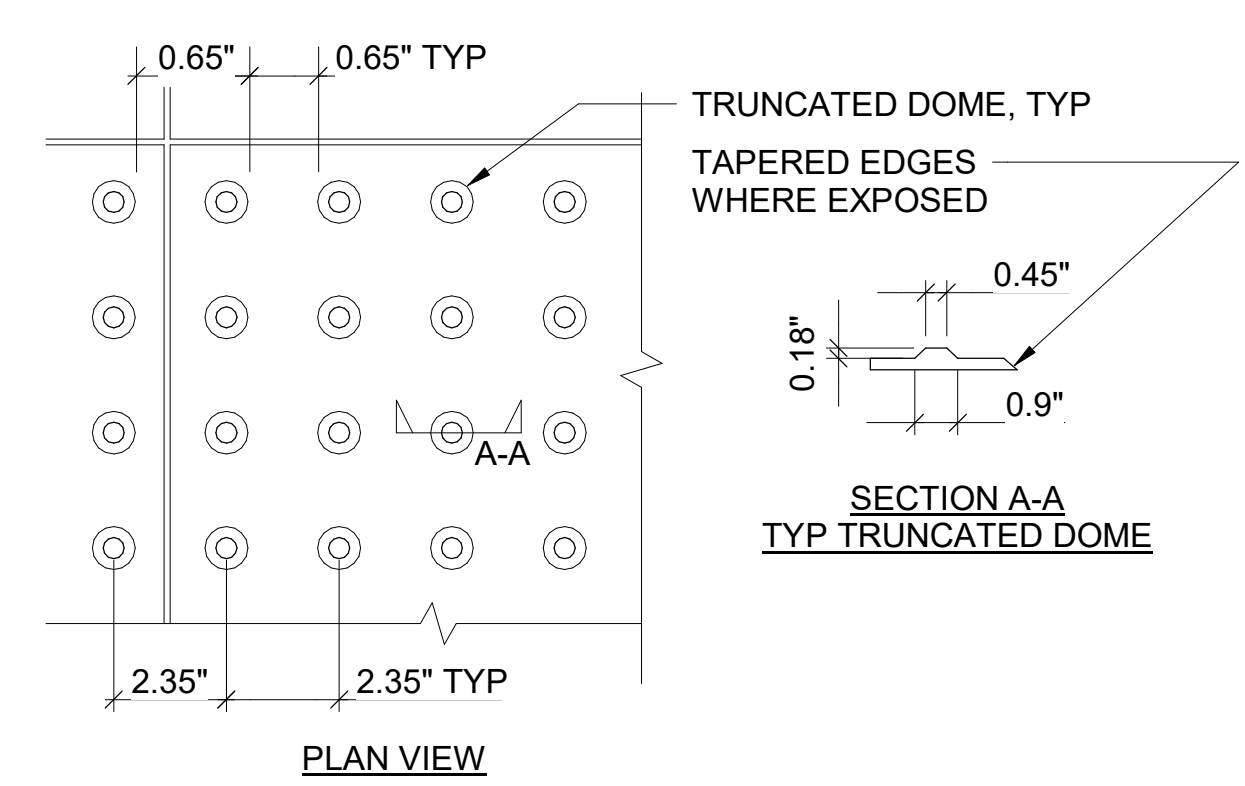
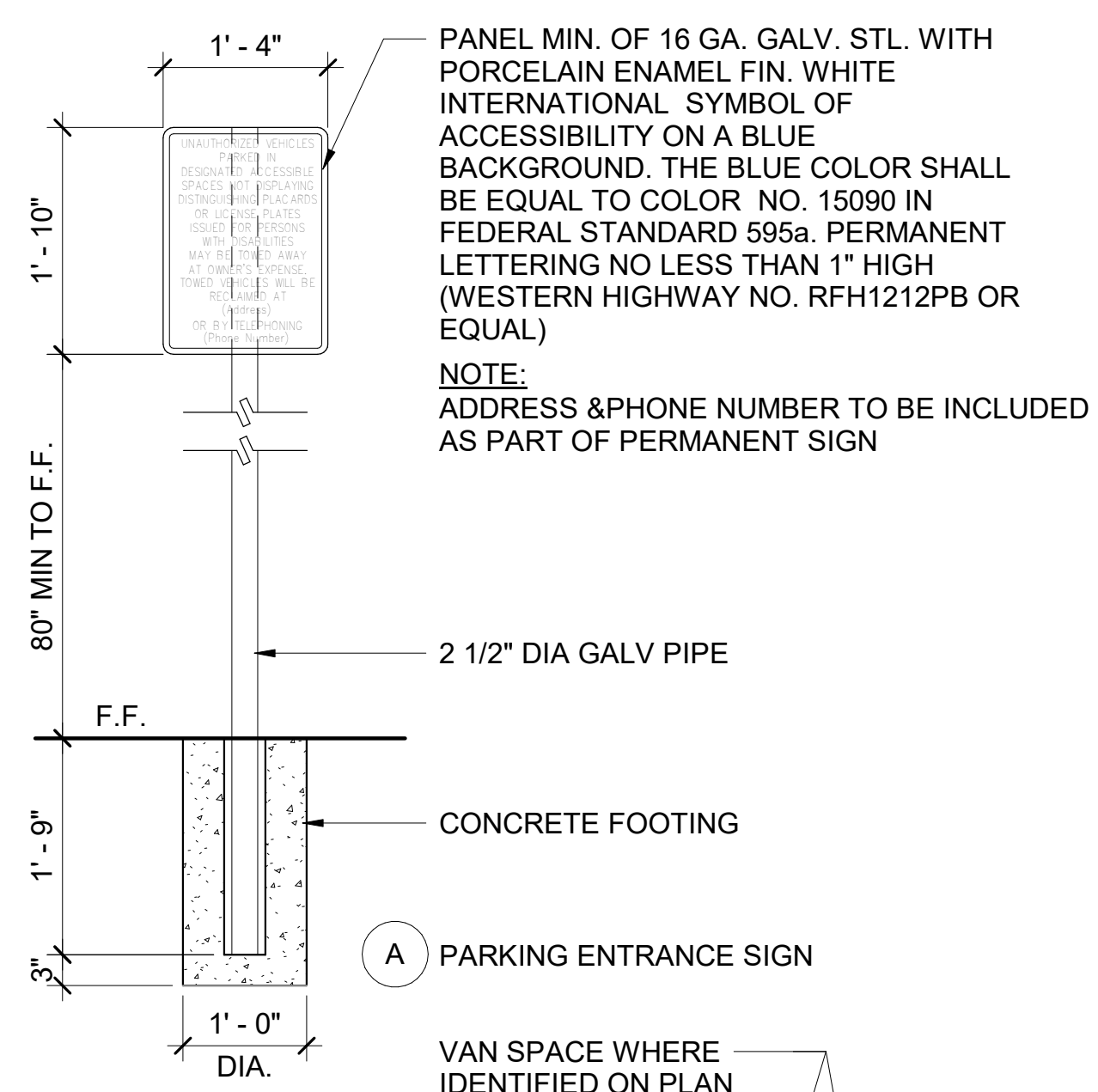
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5 ACCESSIBLE DIRECTIONAL SIGNAGE
 3/4" = 1'-0"

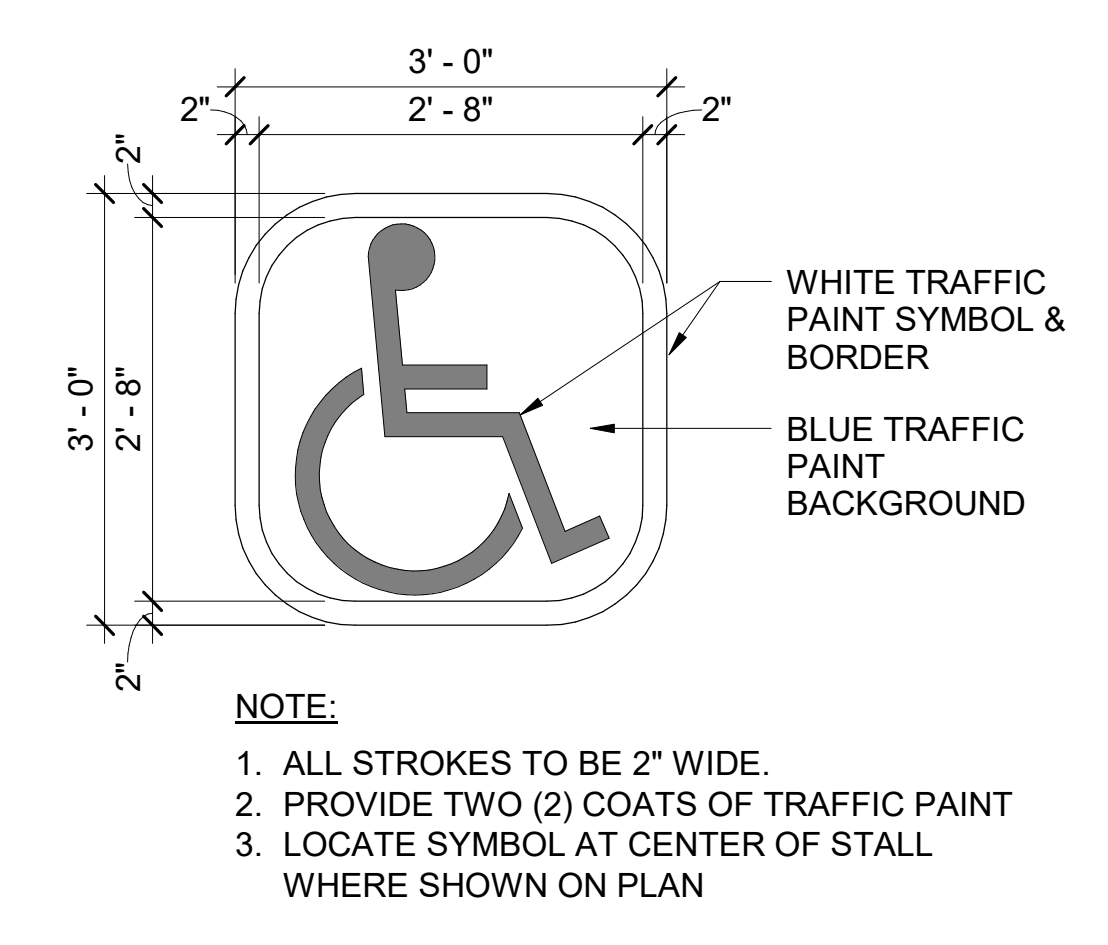


1 ACCESSIBLE PARKING STALLS
 1/4" = 1'-0"

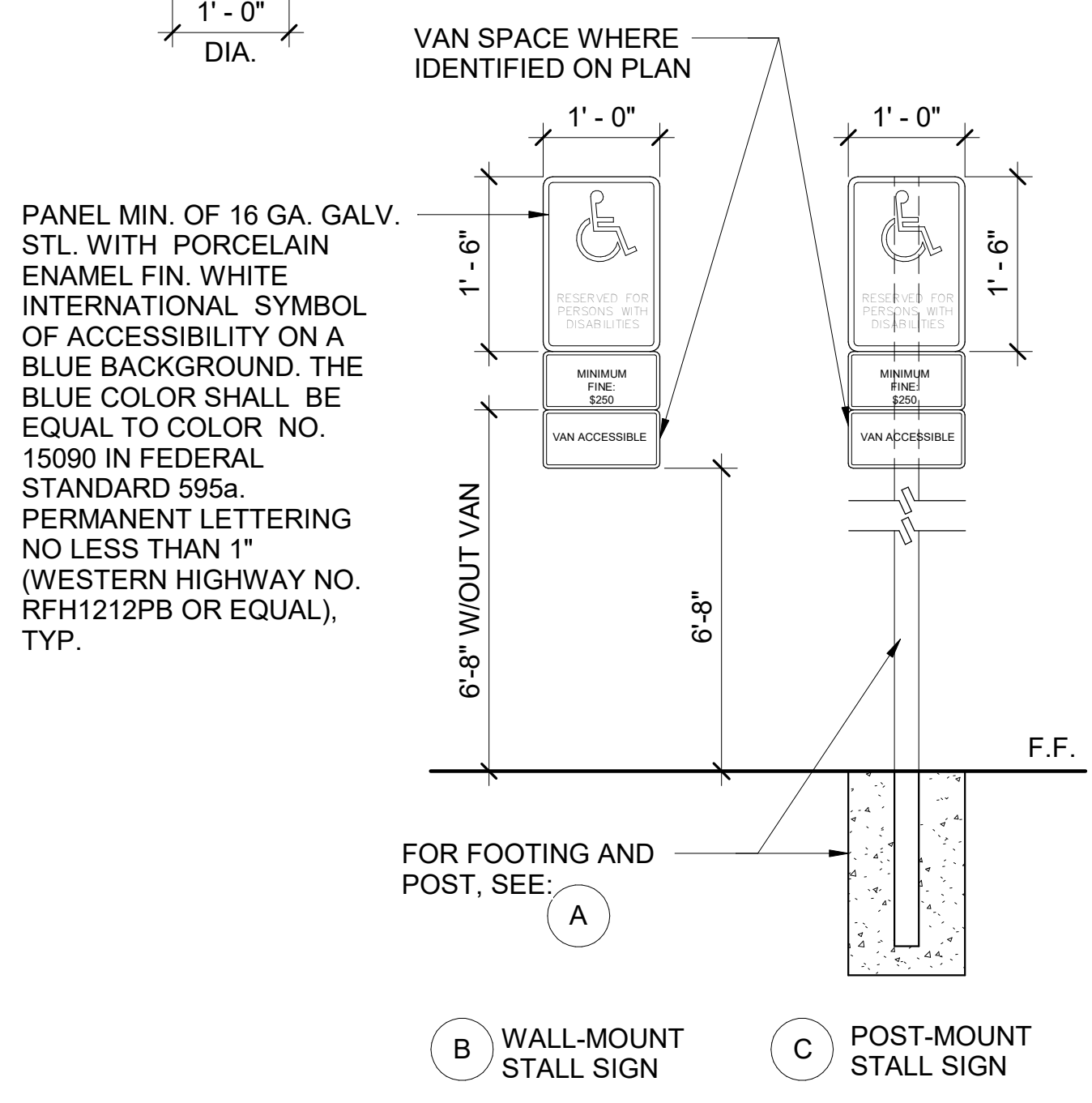


NOTE:
 PROVIDE AND INSTALL SOLID CONCRETE UNIT PAVERS WITH INTEGRALLY CAST TRUNCATED DOME: 2" THICK, 12" SQ WAUSAU "TERRAPAVE ADA" SERIES OR ACCEPTED EQUAL. PROVIDE CONCRETE AND MORTAR SUB-BASE PER MANUFACTURER'S RECOMMENDATIONS. COLOR: YELLOW FED. COLOR # 33538 OF FEDERAL STANDARD 595C.

3 DETECTABLE WARNING TILE
 3" = 1'-0"



2 ACCESSIBILITY SYMBOL
 3/4" = 1'-0"



4 ACCESSIBLE PARKING SIGNAGE
 3/4" = 1'-0"

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 FILE NO. C13171

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CITY OF NORWALK

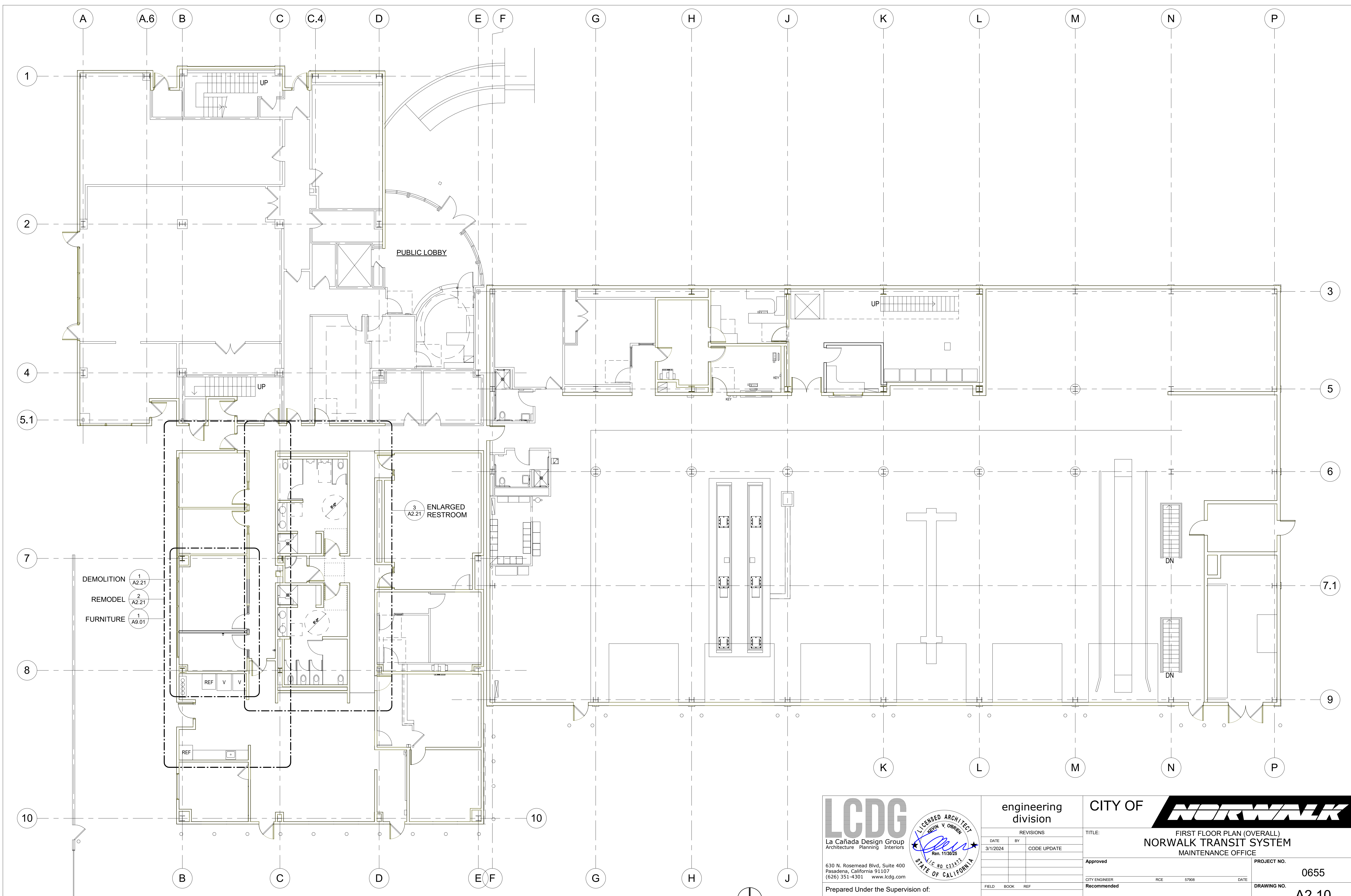
TITLE: **SITE DETAILS NORWALK TRANSIT SYSTEM MAINTENANCE OFFICE**

Approved: _____ PROJECT NO. **0655**

CITY ENGINEER: RCE 57908 DATE _____ DRAWING NO. **A1.10**

Recommended: _____ SHEET _____ OF _____

Drawn By: **AS** Checked By: **RL**

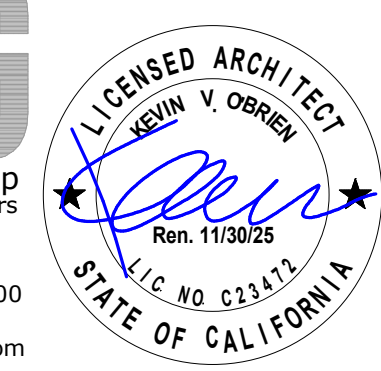


1 FIRST FLOOR PLAN

Scale: 1/8" = 1'-0"

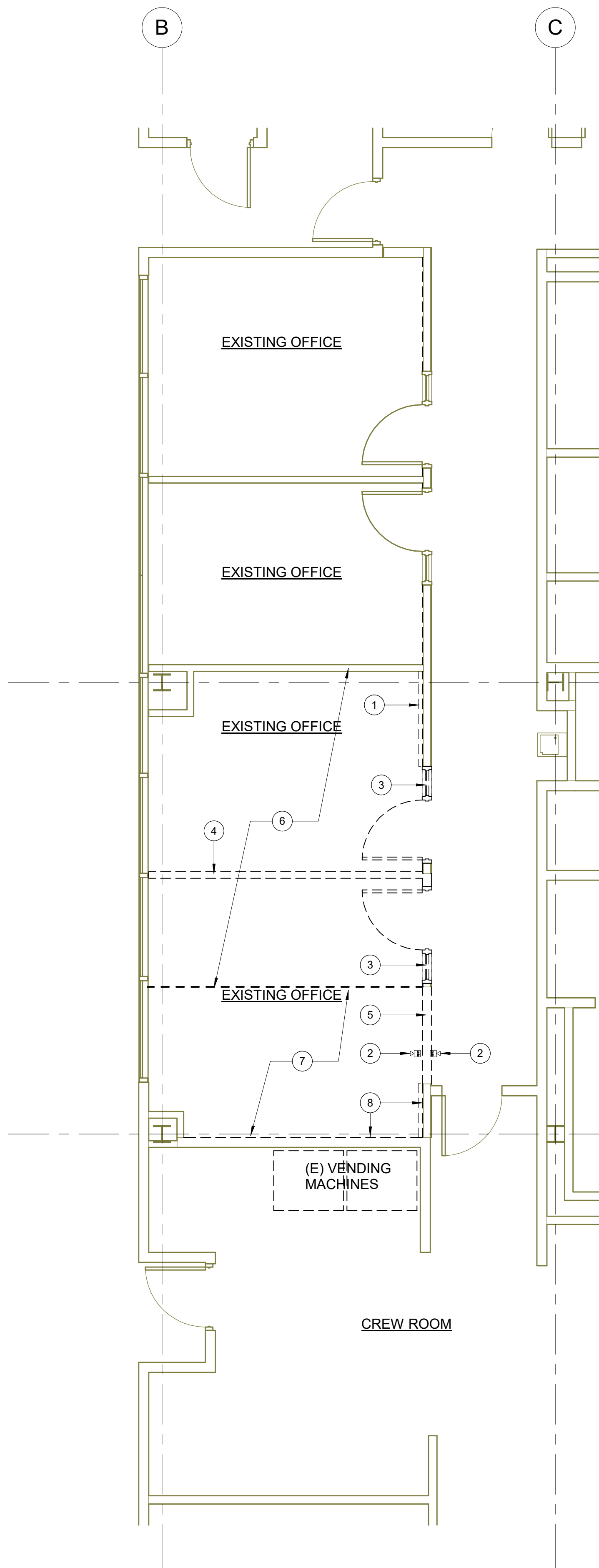
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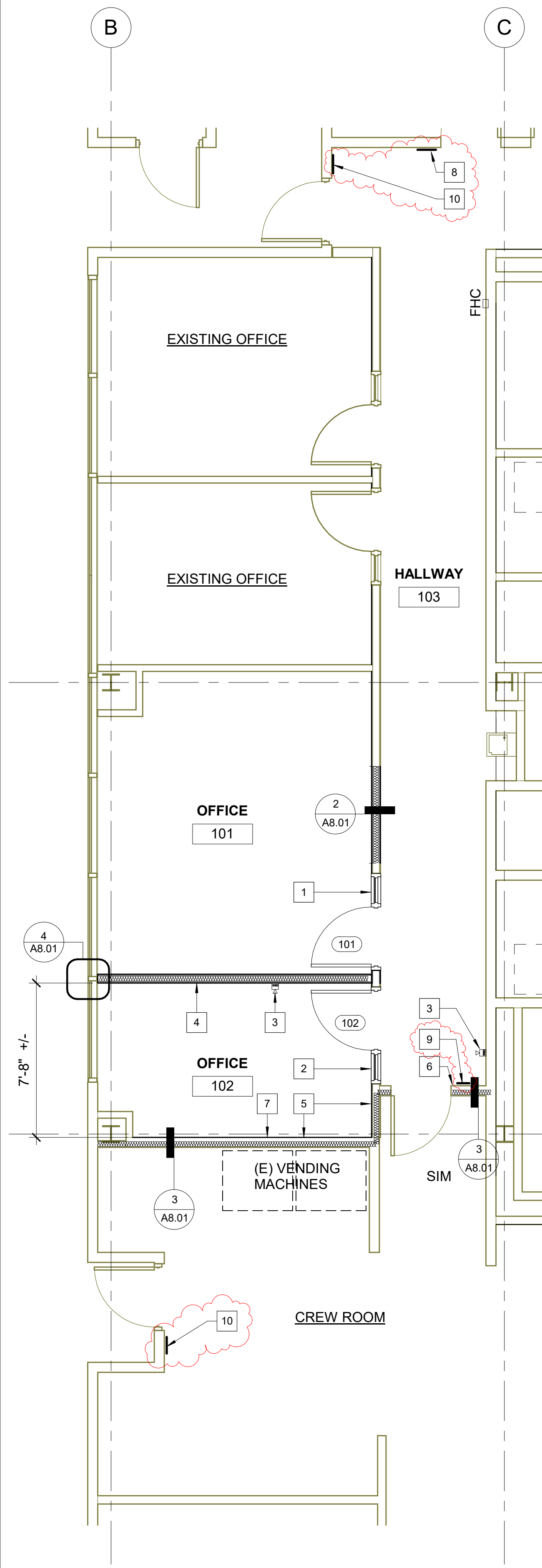


engineering division REVISIONS DATE BY CODE UPDATE 3/1/2024 FIELD BOOK REF PLAN REF		CITY OF NORWALK TITLE: FIRST FLOOR PLAN (OVERALL) NORWALK TRANSIT SYSTEM MAINTENANCE OFFICE Approved CITY ENGINEER RCE 57908 DATE Recommended Drawn By AS Checked By RL		PROJECT NO. 0655 DRAWING NO. A2.10 SHEET OF	
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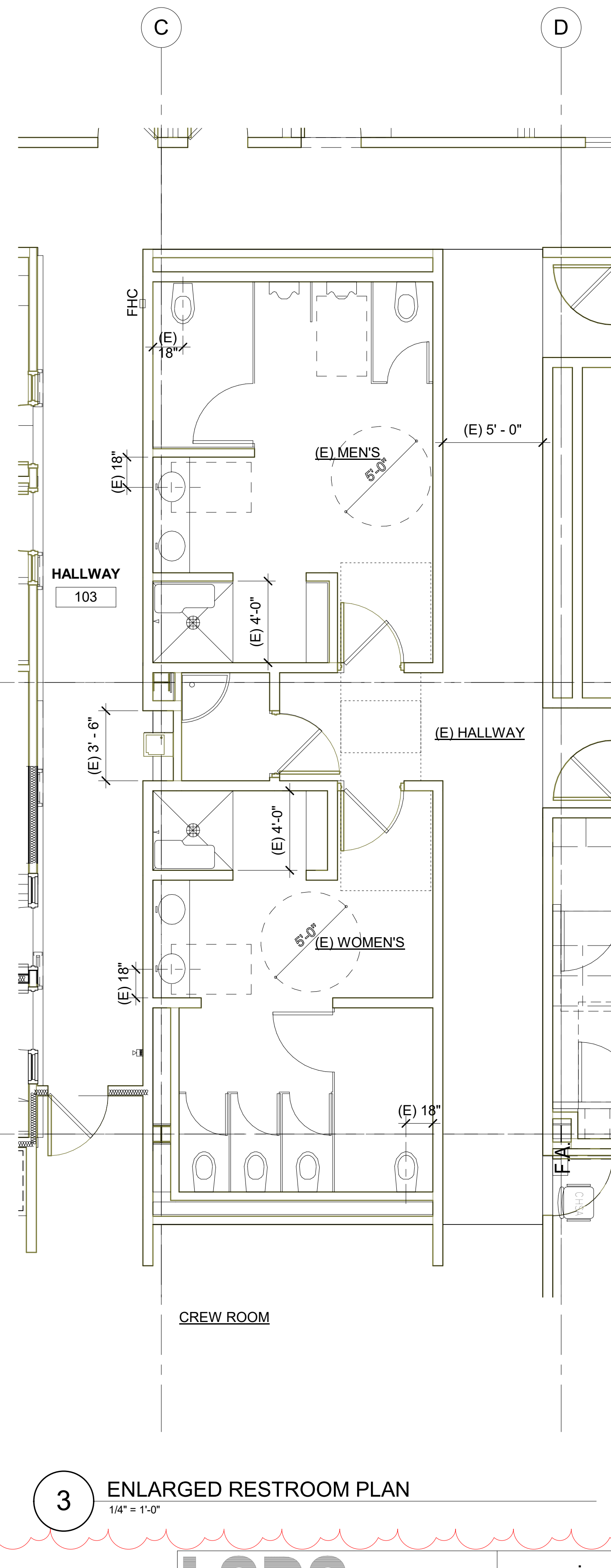
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1 DEMOLITION PLAN
1/4" = 1'-0"



2 ENLARGED FLOOR PLAN
1/4" = 1'-0"



3 ENLARGED RESTROOM PLAN
1/4" = 1'-0"

DEMOLITION PLAN LEGEND

1	DEMO THE WALL BASE
2	SALVAGE (E) FIRE ALARM STROBE
3	CAREFULLY REMOVE DOOR, FRAME & SIDE LIGHTS. REINSTALL AT NEW LOCATION
4	DEMO WALL
5	DEMO SEGMENT OF WALL FOR NEW DOOR
6	DEMO CARPET
7	PROTECT CARPET TO REMAIN
8	DEMO GYP BD & WALL BASE @ OFFICE SIDE

FLOOR PLAN KEYNOTES

1	INSTALL (E) FRAME AND SIDELIGHT TO NEW LOCATION, INSTALL NEW DOOR LEAF
2	INSTALL (E) DOOR & SIDELIGHT TO NEW LOCATION
3	INSTALL SALVAGED FIRE ALARM STROBE
4	OFFICE WALL, FLOOR TO FLOOR DECK ABOVE, INSULATED FOR SOUND
5	FILL WALL CAVITIES W/ 3" ACOUSTIC BATTS. REINSTALL GYP BD FINISH @ OFFICE SIDE TO TOP OF WALL, EXTEND TOP OF (E) WALL TO FLOOR DECK ABOVE, W/ 3" ACOUSTIC BATTS
6	EXTEND TOP OF (E) WALL TO FLOOR DECK ABOVE, W/ 3" ACOUSTIC BATTS
7	SEAL AROUND ALL ELECTRICAL BOXES W/ PUTTY-TYPE SOUND SEAL AT WALL BETWEEN OFFICE AND CREW ROOM
8	(E) STAIR ACCESS SIGNAGE (ROOF ACCESS)
9	INSTALL TACTILE EXIT ACCESS SIGN, REF C3B/A7.22
10	INSTALL TACTILE EXIT SIGN, REF C3A/A7.22

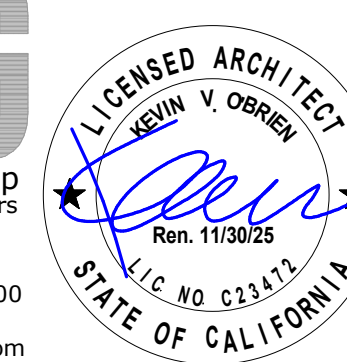
FLOOR PLAN GENERAL NOTES

- NOTED ITEMS ARE NEW UNLESS INDICATED AS EXISTING, SALVAGE OR DEMOLISH.
- GRIDS ARE FOR CLARIFICATION PURPOSES ONLY.
- SEE SHEET G1.00 FOR TYPICAL ABBREVIATIONS.
- SEE SHEET A8.01 FOR FINISH SCHEDULE.
- SEE SHEET A9.01 FOR FURNITURE LAYOUT.
- DIMENSIONS ARE TO FACE OF STUD AND/OR CENTER OF COLUMN U.N.O. FOR ADDITIONAL DIMENSIONS REFER TO ENLARGED PLANS.
- REFER TO SHEETS A7.20 & A7.21 FOR FIXTURE AND ACCESSORY DIMENSIONS.
- REFER TO SHEET A7.22 FOR REACH ACCESSIBLE REACH RANGES.



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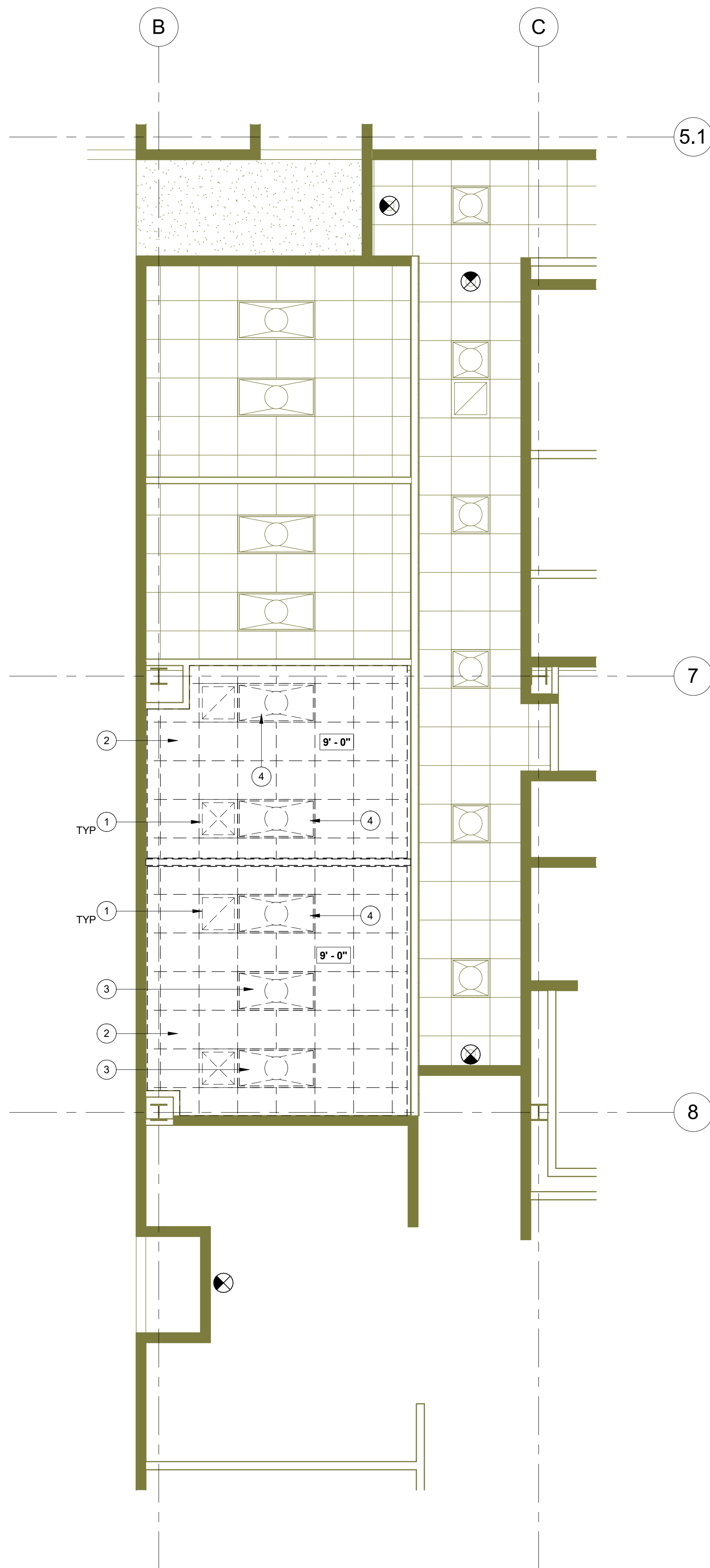
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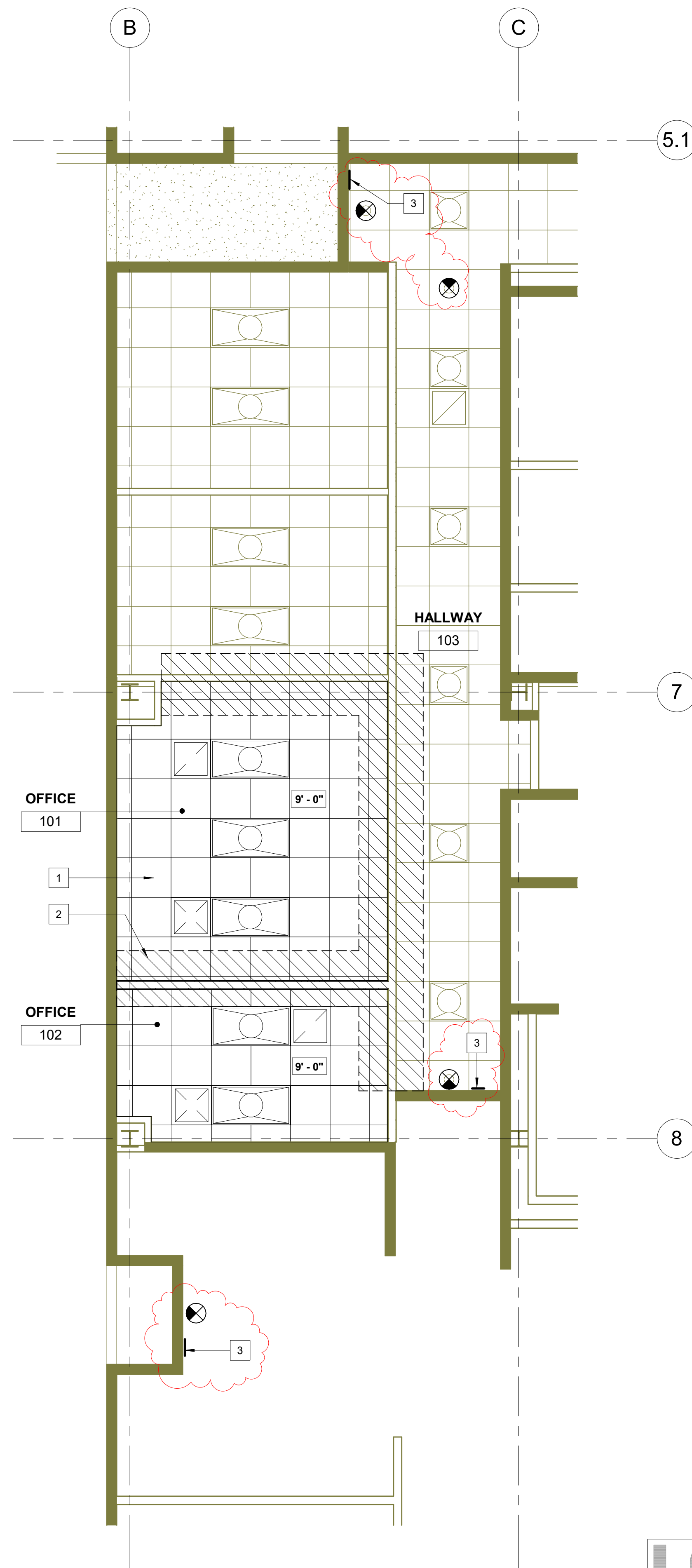
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3/11/2024	CODE UPDATE	
FIELD	BOOK	REF
PLAN	REF	

CITY OF		NORWALK	
TITLE: PARTIAL FLOOR PLANS NORWALK TRANSIT SYSTEM MAINTENANCE OFFICE			
Approved	RCE	57908	DATE
CITY ENGINEER	Recommended	AS	Checked By
PROJECT NO.	0655	DRAWING NO.	A2.21
		SHEET	OF

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1 DEMOLITION REFLECTED CEILING PLAN
1/4" = 1'-0"



2 REFLECTED CEILING PLAN
1/4" = 1'-0"

○ DEMO REFLECTED CEILING PLAN KEYNOTES

1	DEMO DIFFUSERS AND REGISTERS PER MECH.DWGS.
2	DEMO 24"x24" ACOUSTICAL TILES AND GRID
3	REMOVE LIGHT FIXTURES, REF. ELECTRICAL
4	DEMO LIGHT FIXTURES, REF. ELECTRICAL

□ REFLECTED CEILING PLAN KEYNOTES

1	2X2 ACT CEILING GRID AND PANELS
2	INSTALL 6" INSULATION BATTS OVER TOP OF WALL AND ONTO ACT CEILING IN AREA INDICATED. REF DETAIL 4/A8.01
3	EXIT ACCESS OR EXIT ROUTE SIGN, REF FLOOR PLAN

RCP GENERAL NOTES

- NOTED ITEMS ARE NEW UNLESS INDICATED AS EXISTING, SALVAGE OR DEMOLISH.
- GRIDS ARE FOR CLARIFICATION PURPOSES ONLY.
- SEE SHEET G1.00 FOR TYPICAL ABBREVIATIONS.
- SEE SHEET A8.01 FOR FINISH SCHEDULE.
- ADJUST FIRE SPRINKLER HEAD LOCATION AS REQUIRED. FIRE SPRINKLER PROTECTION TO EXTEND TO ALL PROJECTIONS.
- EXIT & EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISABLE FROM ANY DIRECTION OF EXGRESS TRAVEL. (1013.1)

RCP LEGEND

LIGHT FIXTURE

- TROFFER LIGHT - LENS - 2' X 4'
- EXIT SIGN
- EMERGENCY PACK FIXTURE PER CBC 1006.3

* REFERENCE ELECTRICAL DRAWINGS FOR FIXTURE SCHEDULE AND PLANS

MECHANICAL

- LIGHT/EXHAUST FIXTURE
- RETURN AIR GRILLE
- CEILING DIFFUSER
- EXHAUST GRILLE

CEILING

- 1 x 1 ACOUSTICAL CEILING TILE SYSTEM
- 2 x 2 ACOUSTICAL CEILING TILE SYSTEM
- EXTERIOR PLASTER, FINISH AS SCHEDULED
- GYPSUM BOARD, FINISH AS SCHEDULED
- WOOD CEILING, FINISH AS SCHEDULED
- CEILING HEIGHT
- CEILING ACCESS HATCH

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FIELD	BOOK	REF

PLAN	REF

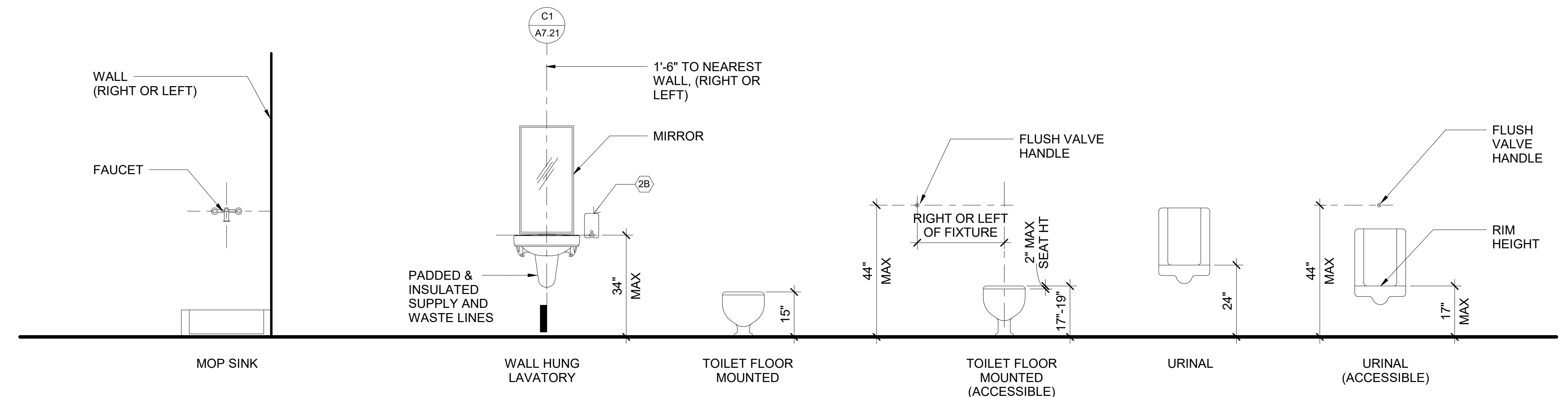
CITY OF NORWALK

TITLE: PARTIAL REFLECTED CEILING PLANS
NORWALK TRANSIT SYSTEM
MAINTENANCE OFFICE

PROJECT NO. 0655
DRAWING NO. A2.31
SHEET OF

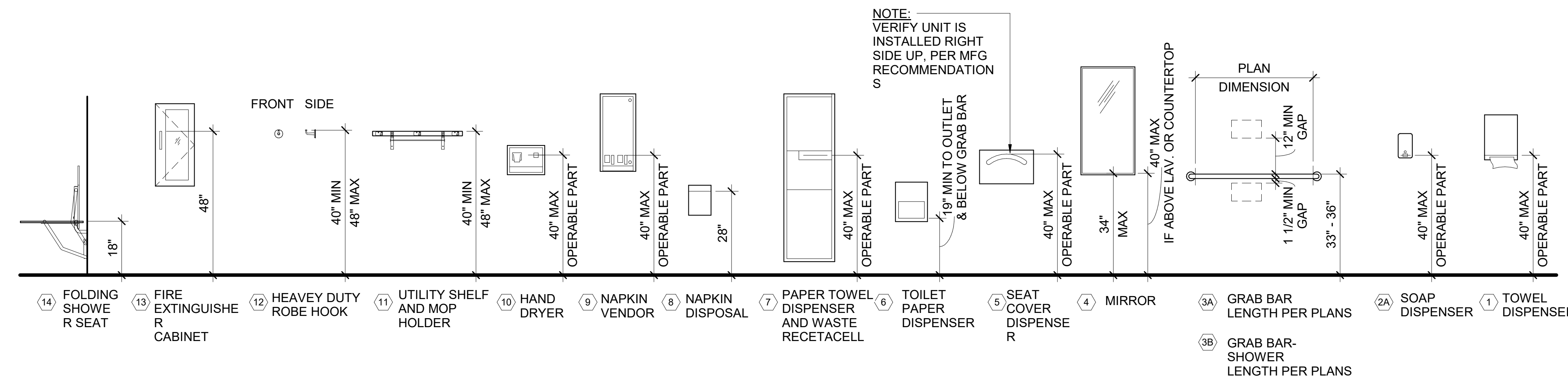
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Recommended: _____
DATE: _____
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A2 TOILET FIXTURE MOUNTING HEIGHTS

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



B2 TOILET ACCESSORIES MOUNTING HEIGHTS

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

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FIELD BOOK REF

PLAN REF

CITY OF NORWALK

TITLE: ACCESSIBILITY DETAILS
NORWALK TRANSIT SYSTEM
MAINTENANCE OFFICE

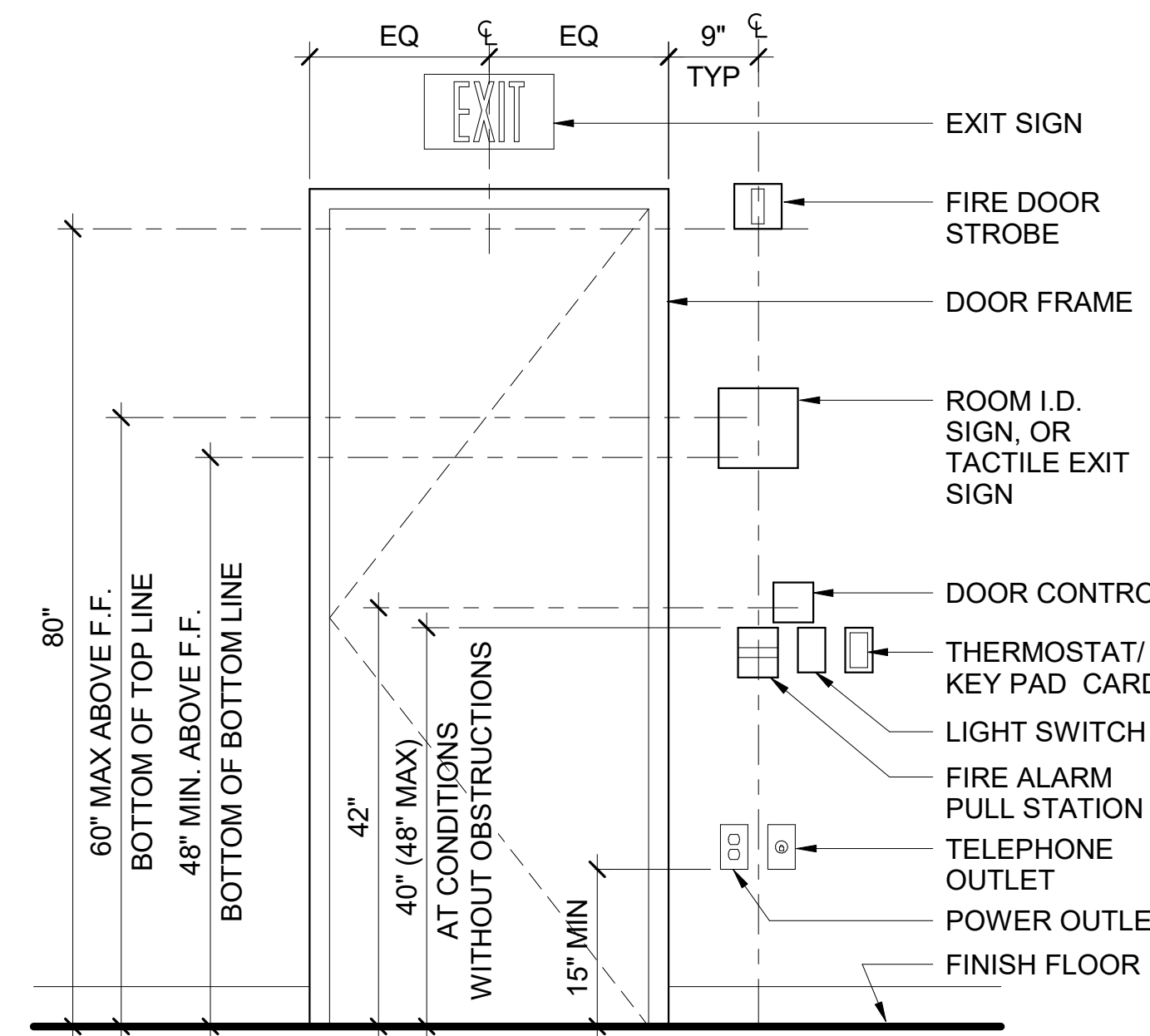
Approved _____ PROJECT NO. 0655

CITY ENGINEER RCE 57908 DATE _____ DRAWING NO. A7.20

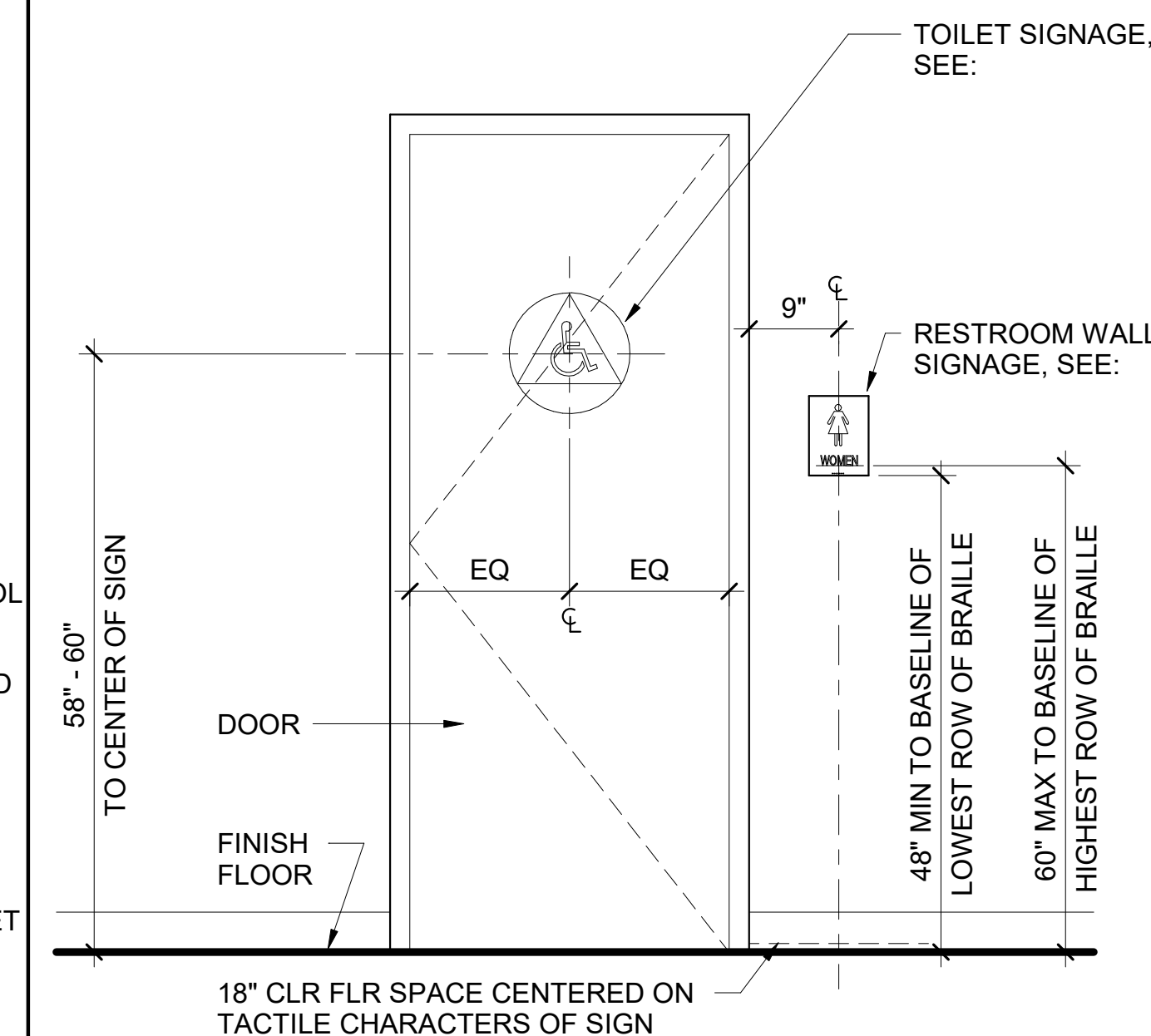
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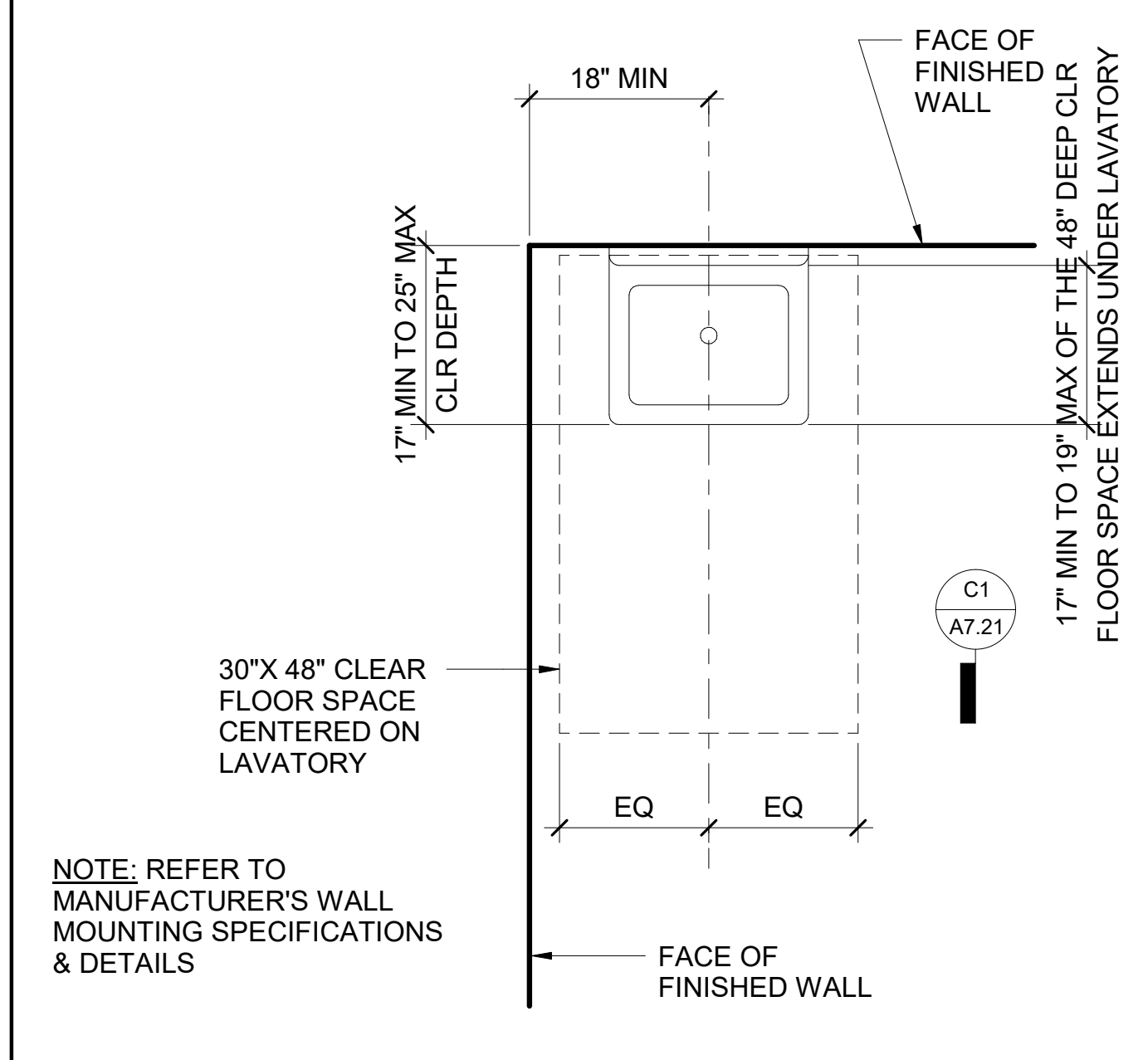
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C.E.C. NO. C13117



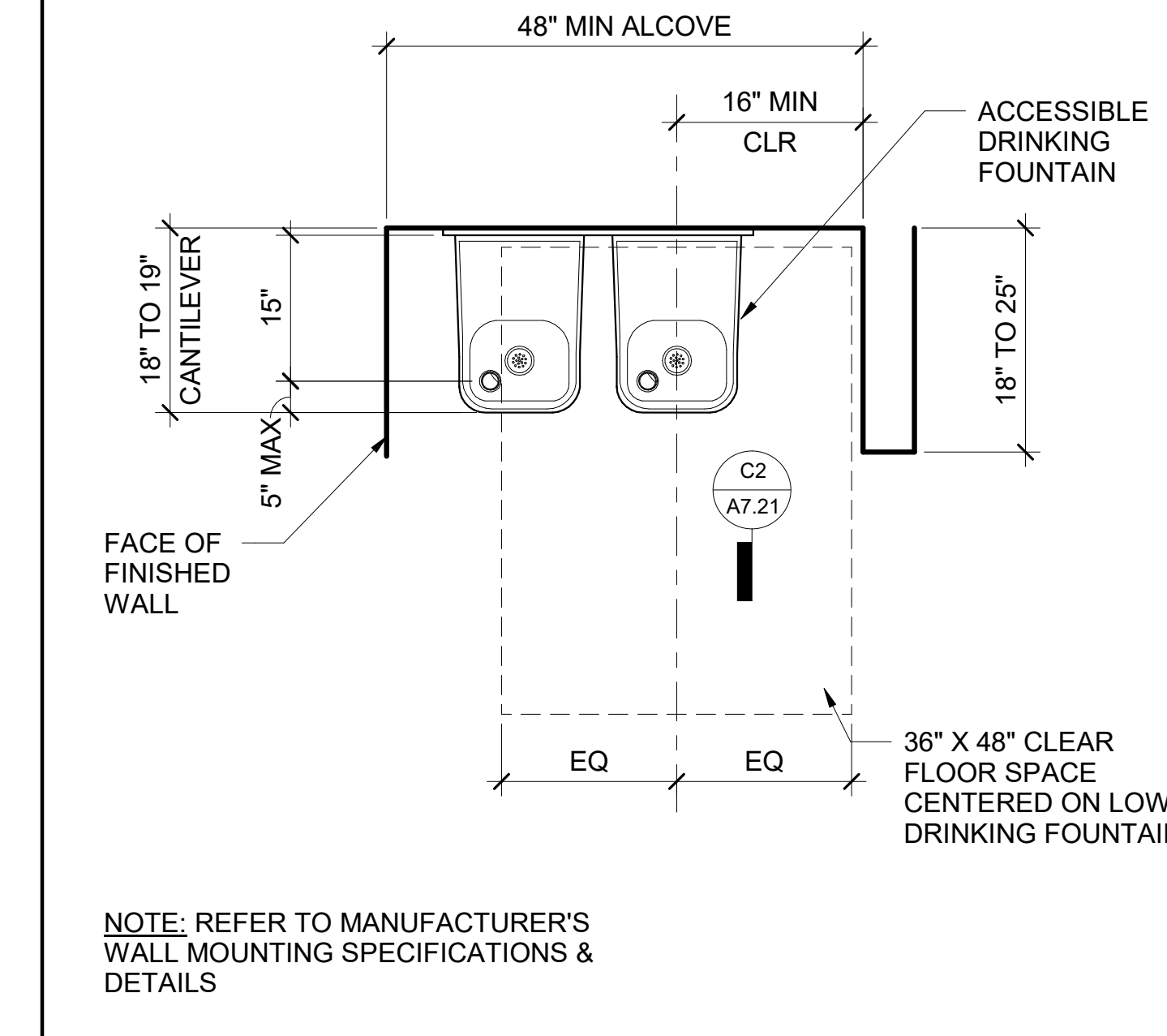
A2 TYP DOOR DEVICE LOCATION Scale: 3/4" = 1'-0"



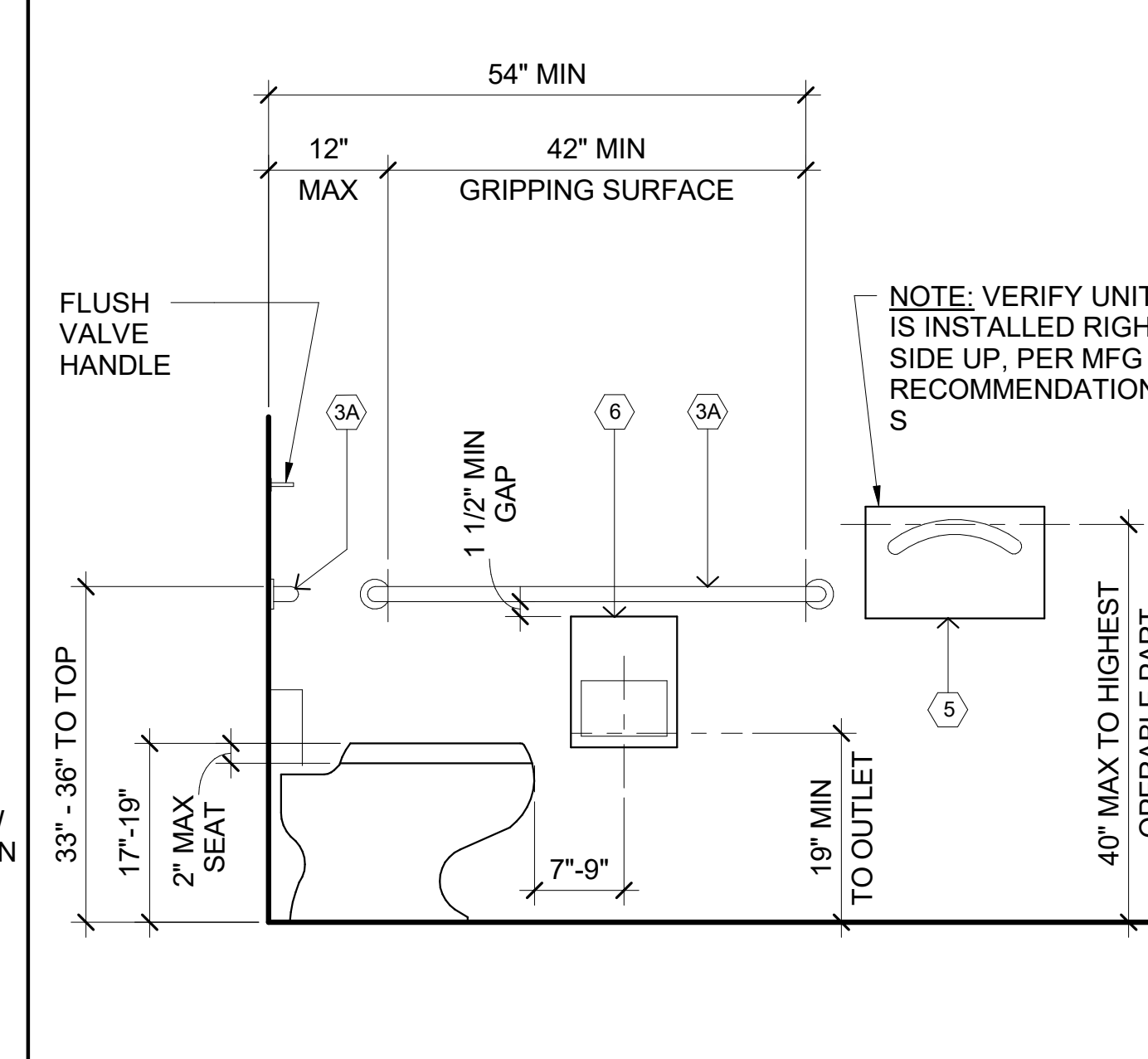
A3 TYP DOOR RESTROOM SIGNAGE Scale: 3/4" = 1'-0"



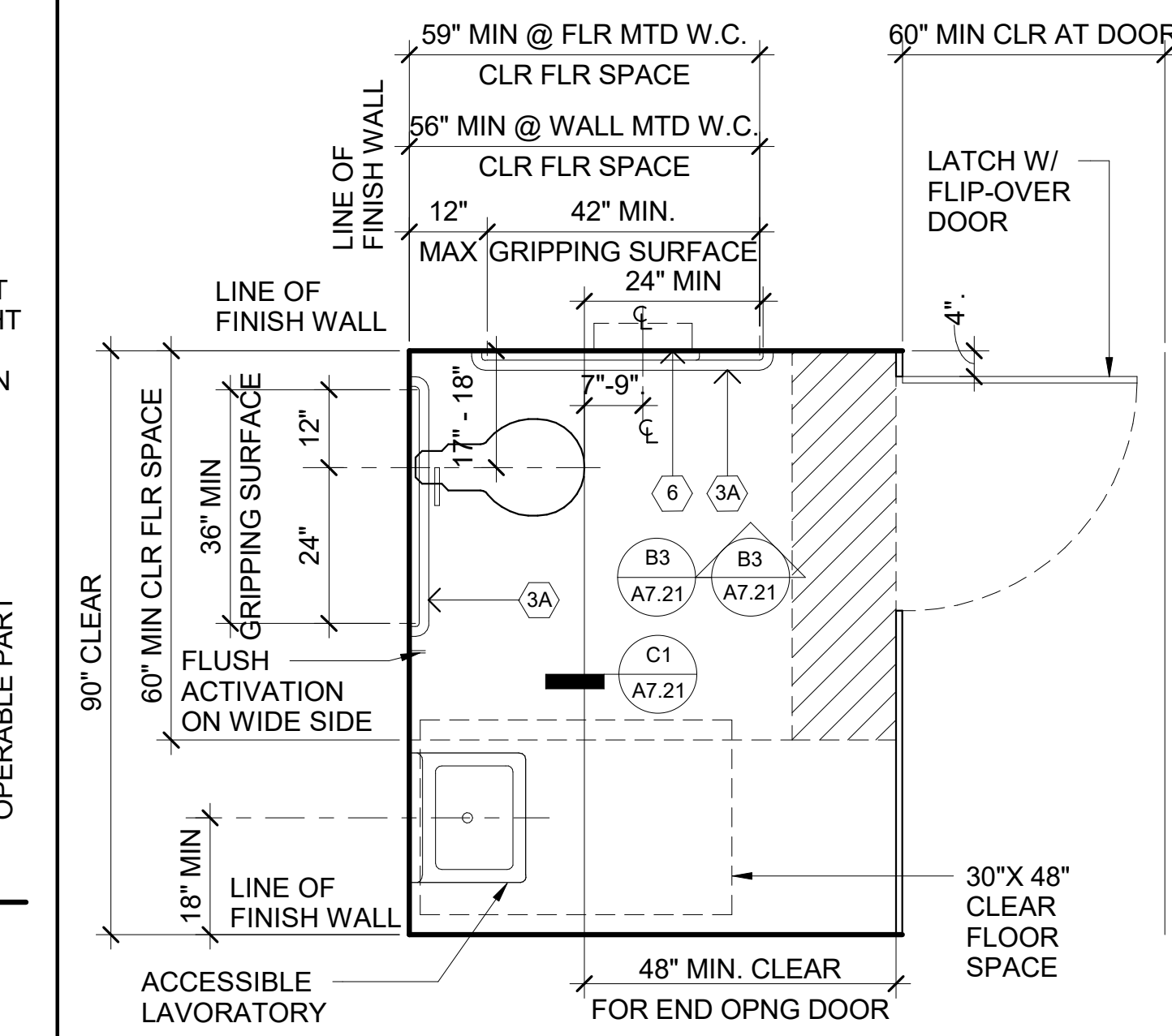
B1 PLAN - ACCESSIBLE LAVATORY Scale: 3/4" = 1'-0"



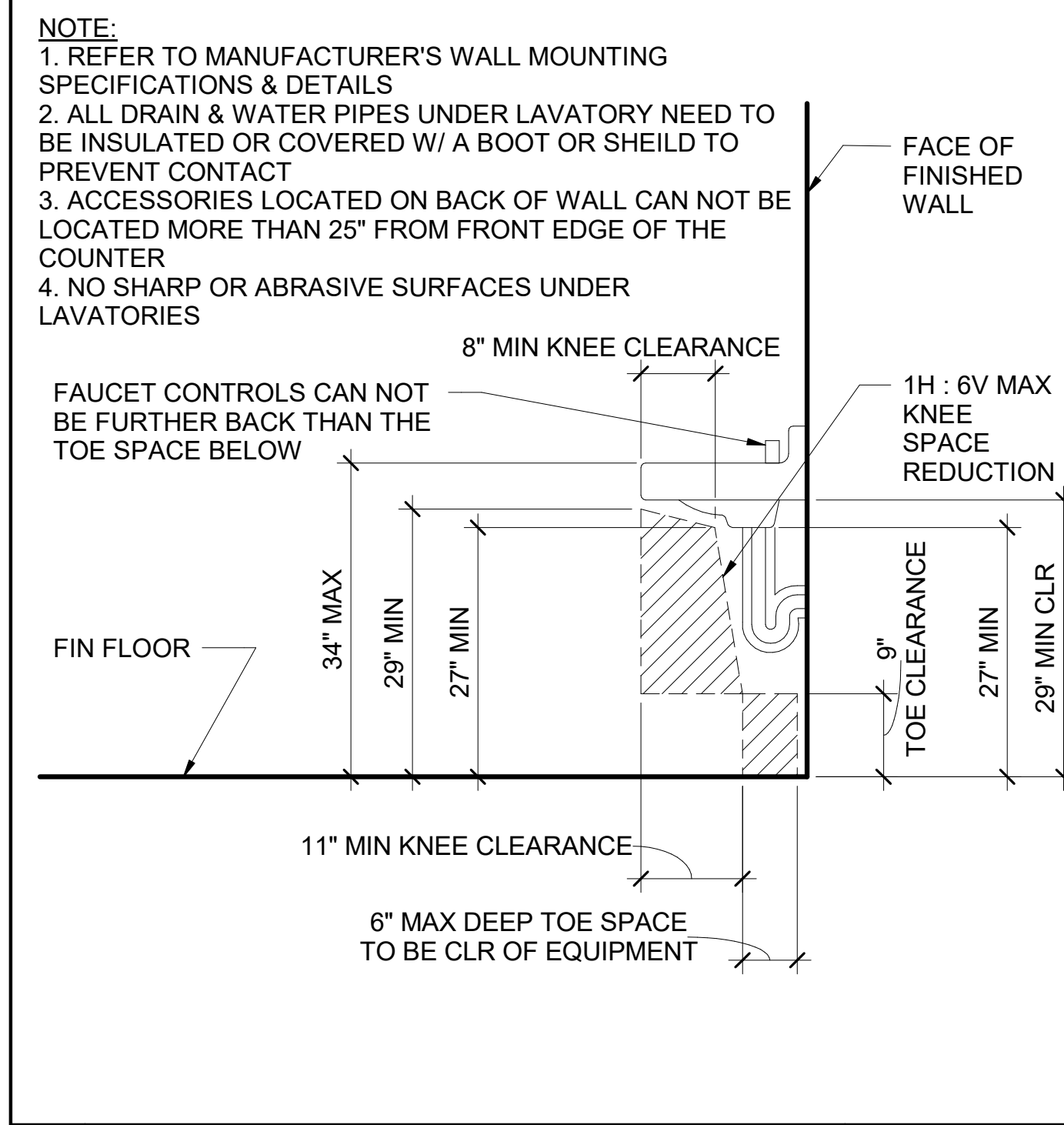
B2 PLAN - HIGH/LOW D.F. Scale: 3/4" = 1'-0"



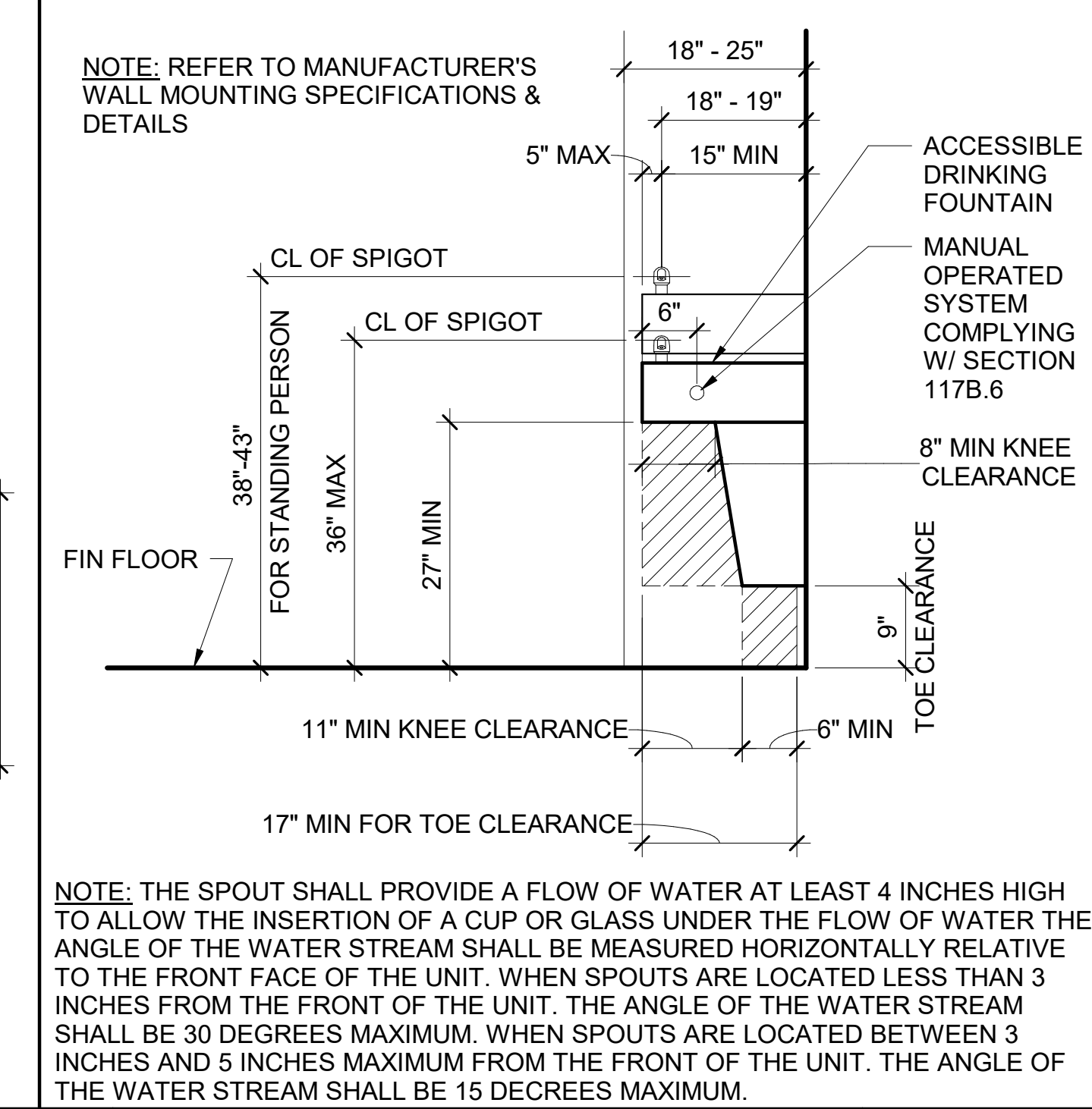
B3 ELEVATION - ACCESSIBLE TOILET Scale: 3/4" = 1'-0"



B4 PLAN - ACCESSIBLE COMPARTMENT Scale: 1/2" = 1'-0"



C1 SECTION - ACCESSIBLE LAVATORY Scale: 3/4" = 1'-0"



C2 SECTION - HIGH/LOW D.F. Scale: 3/4" = 1'-0"

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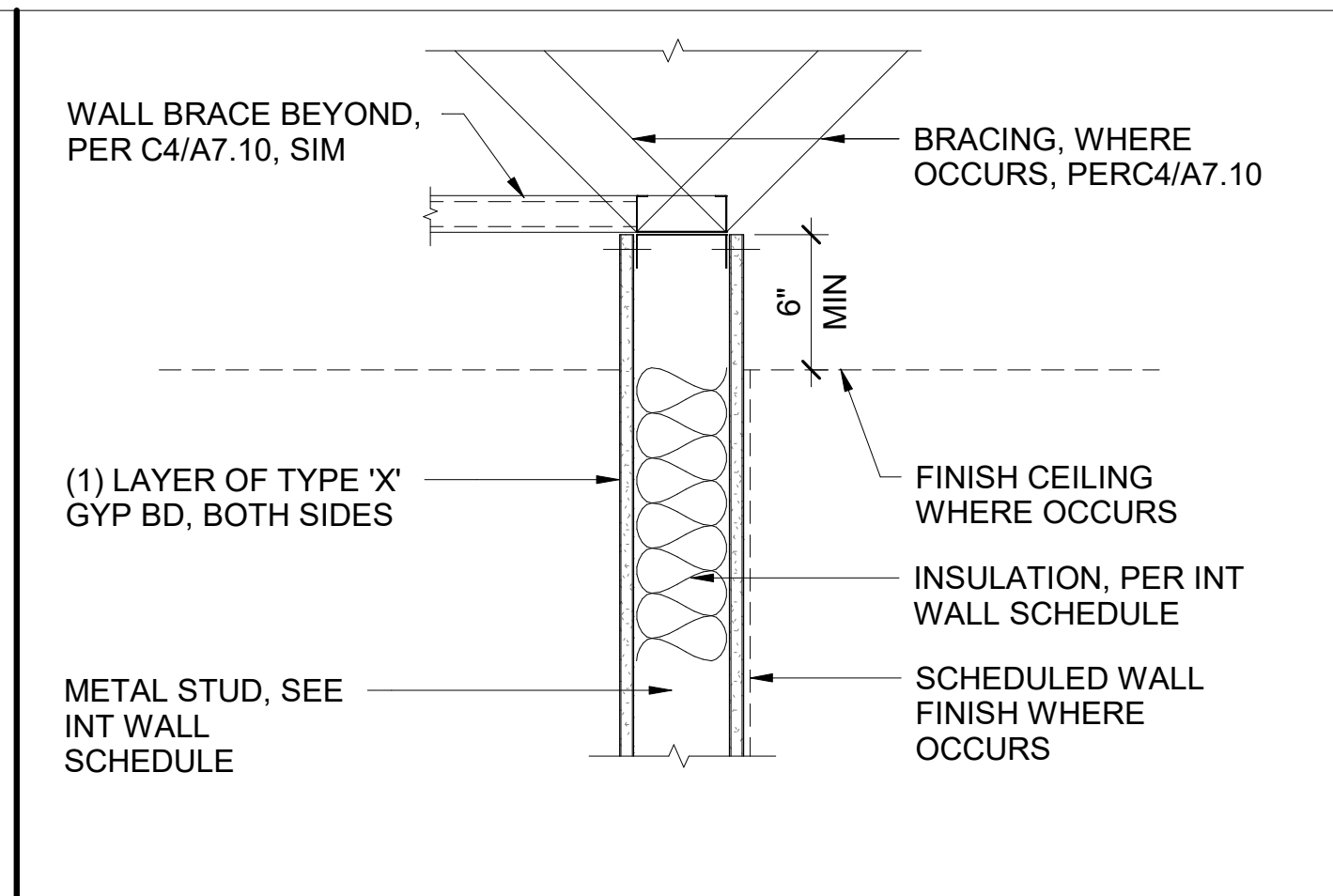
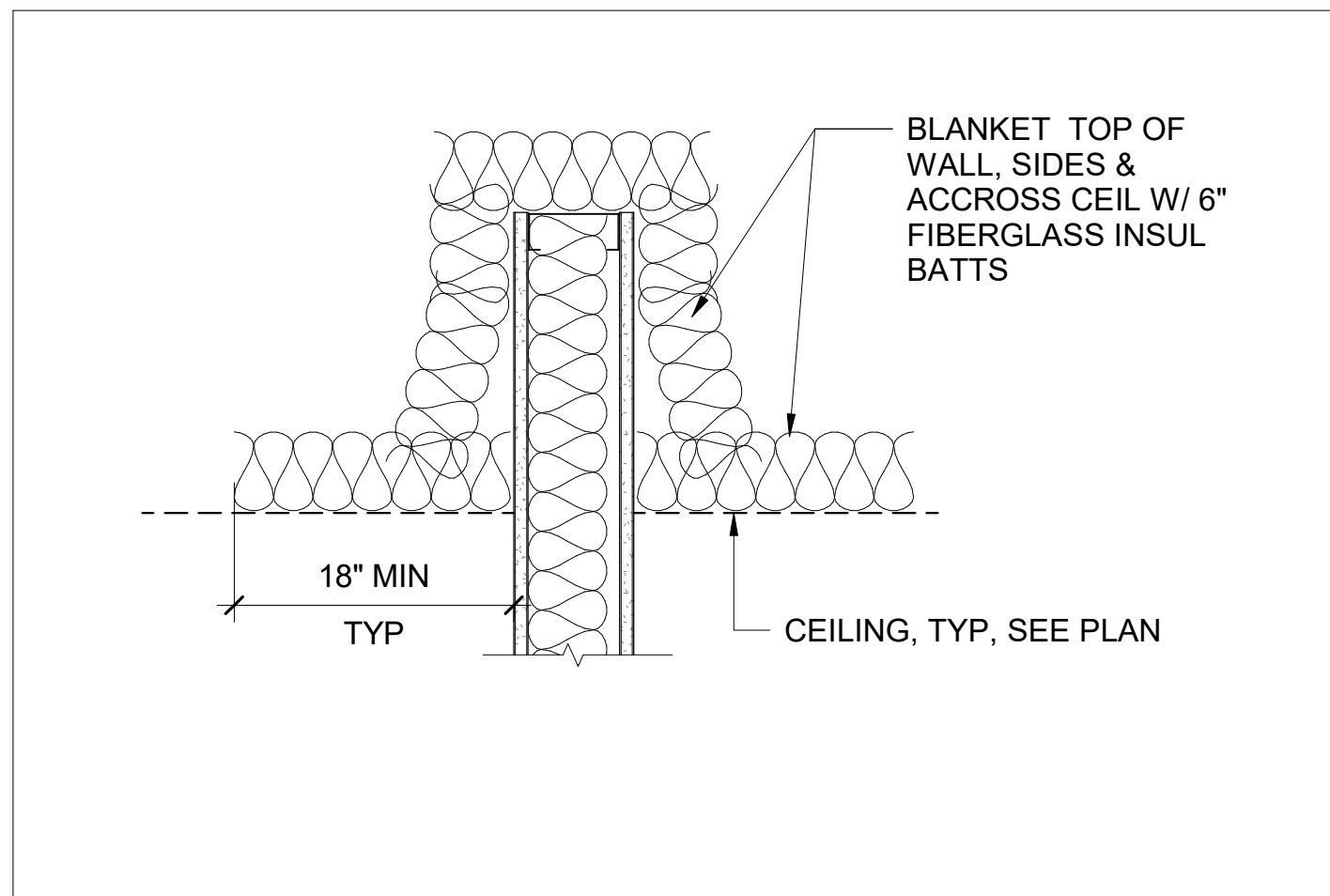
CITY OF NORWALK

TITLE: ACCESSIBILITY DETAILS
NORWALK TRANSIT SYSTEM
MAINTENANCE OFFICE

PROJECT NO. 0655
DRAWING NO. A7.21
SHEET OF

Approved: RCE 57908
City Engineer Recommended

Drawn By AS Checked By RL



DOOR SCHEDULE																	
DR NO.	DR TYPE	DOOR					FRAME (DETAILS: SEE A8.10 U.N.O.)						GLAZING	FIRE RATING	HDWR GROUP	COMMENTS	
		WIDTH	HEIGHT	THK	MAT	FINISH	FRAME TYPE	MAT	FINISH	JAMB	HEAD	THRESHOLD					
101	A1	3' - 0"	7' - 0"	1 3/4"	(E) SCWD	(E)	A	(E) HM	P	6	6	7A	(E) 1/4"	NR	01	1	
102	A1	3' - 0"	7' - 0"	1 3/4"	(E) SCWD	(E)	A	(E) HM	P	6	6	7A	(E) 1/4"	NR	02	2	

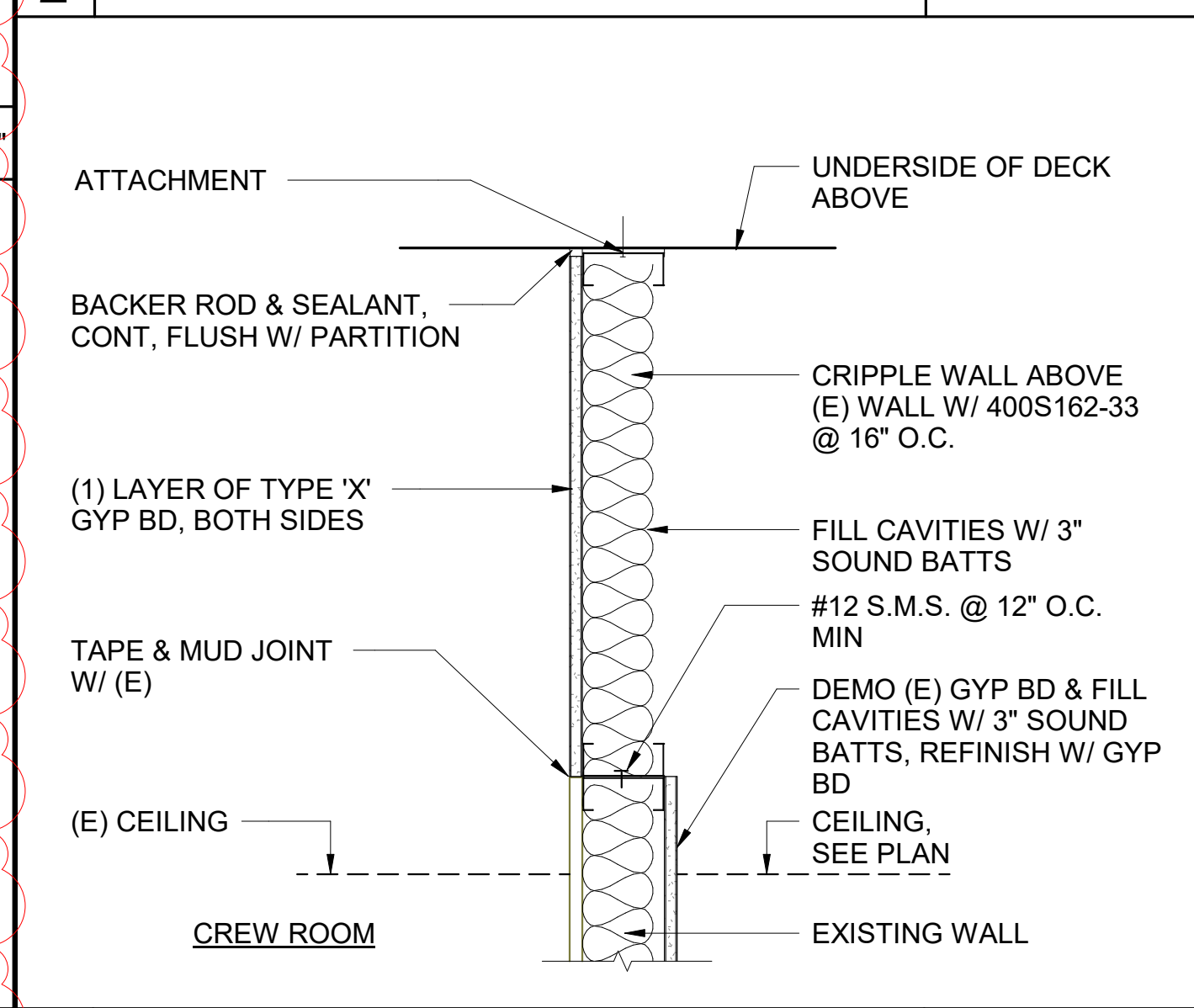
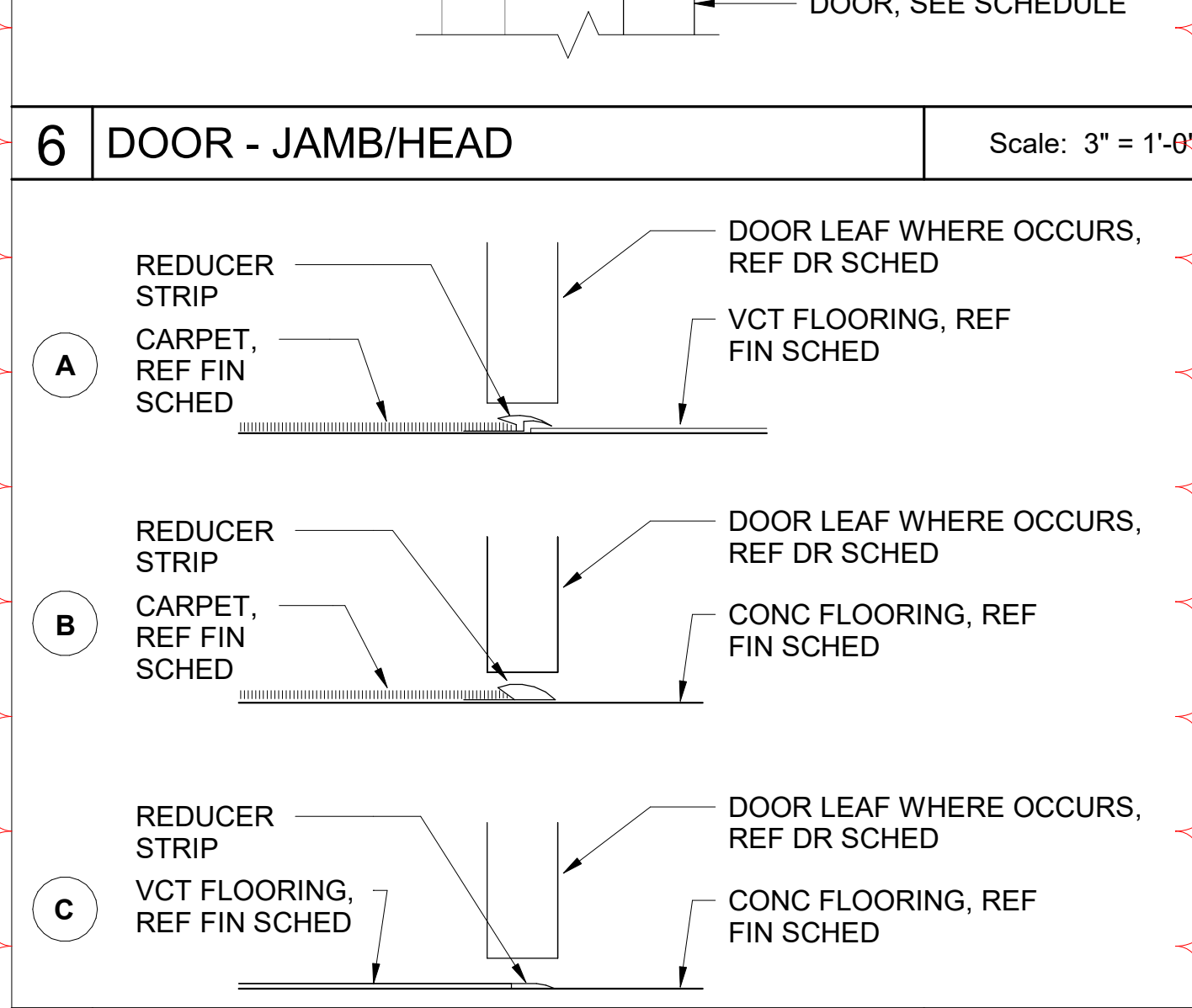
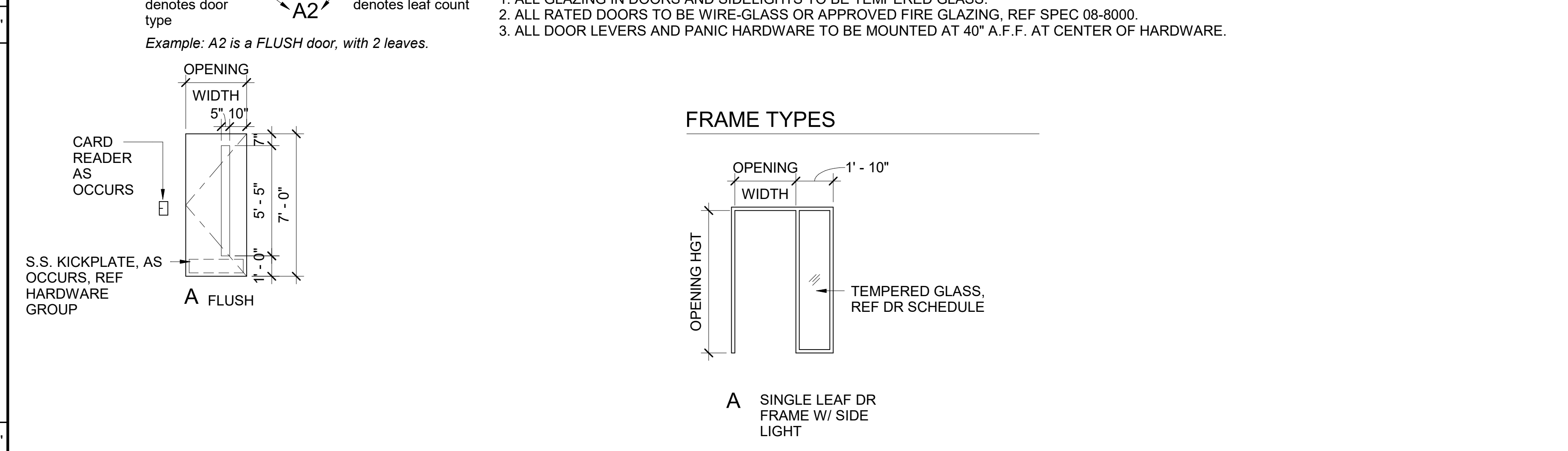
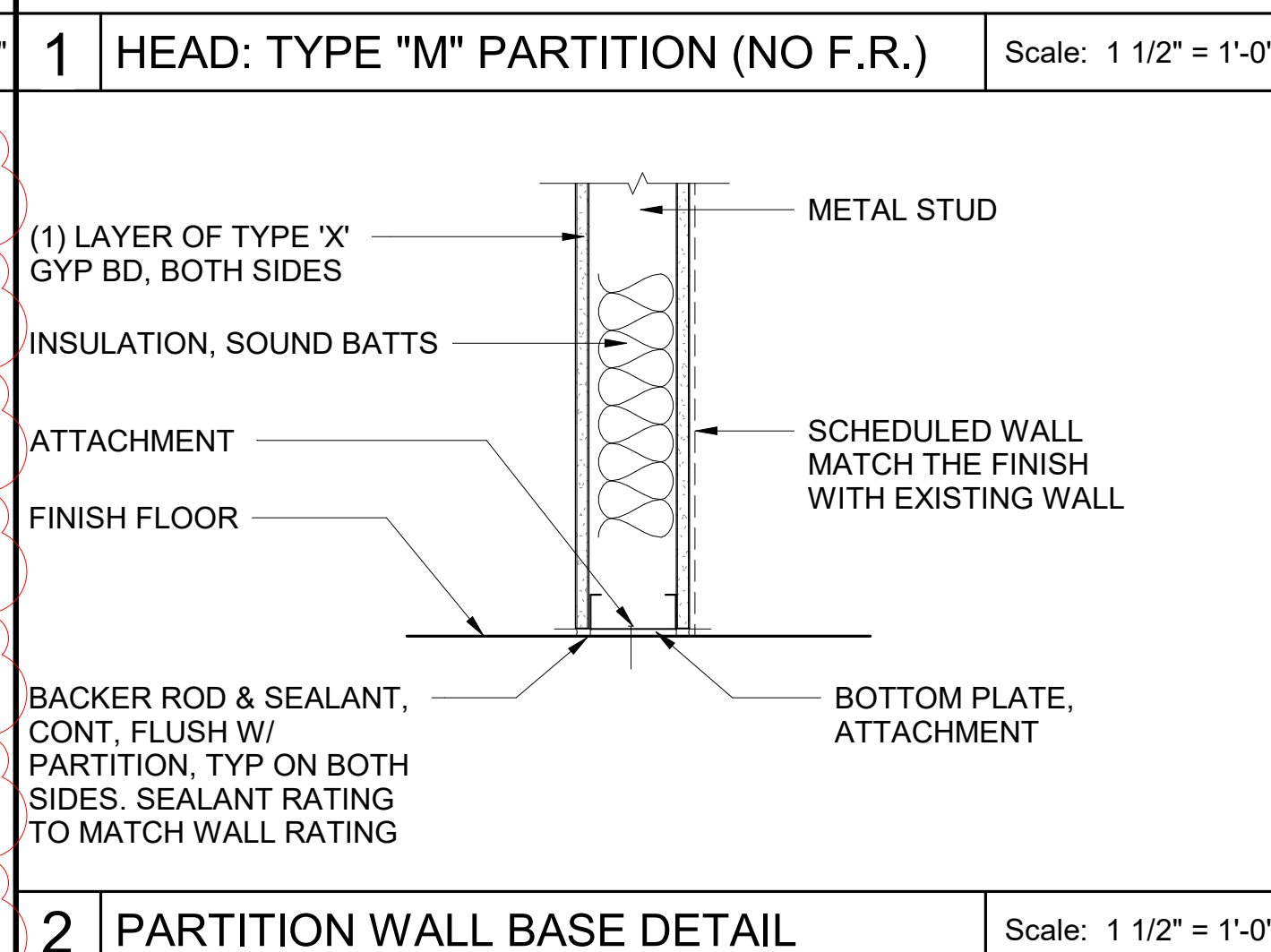
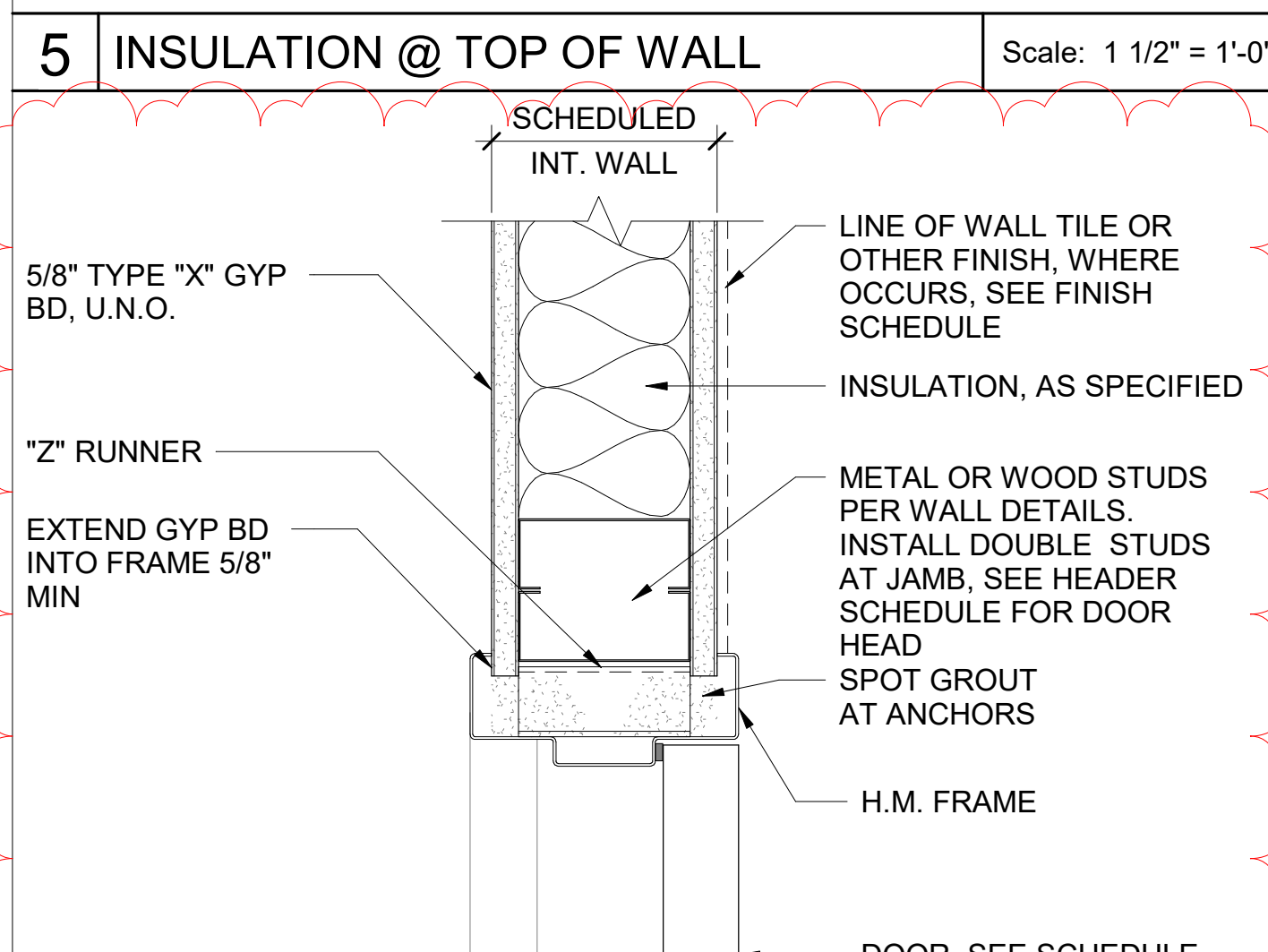
COMMENTS:
 1. RELOCATE FRAME (REPLACE DOOR)
 2. RELOCATE DOOR & FRAME

ABBREVIATIONS:
 ALUM ALUMINUM
 FF FACTORY FINISH
 GL GLASS
 HM HOLLOW METAL
 KD KNOCKDOWN
 P PAINT
 SCWD SOLID CORE WOOD DOOR
 SF STOREFRONT
 STL STEEL

HARDWARE:
 HW 01:
 HW: 02 (REUSE EXISTING HARDWARE)
 HINGES: (E) HAGAR AB, S.S., NRP, 1.5 BUTTS
 LOCKSET: (E) SCHLAGE, F-SERIES

DOOR TYPES
 First Character denotes door type
 Second Character denotes leaf count
 Example: A2 is a FLUSH door, with 2 leaves.

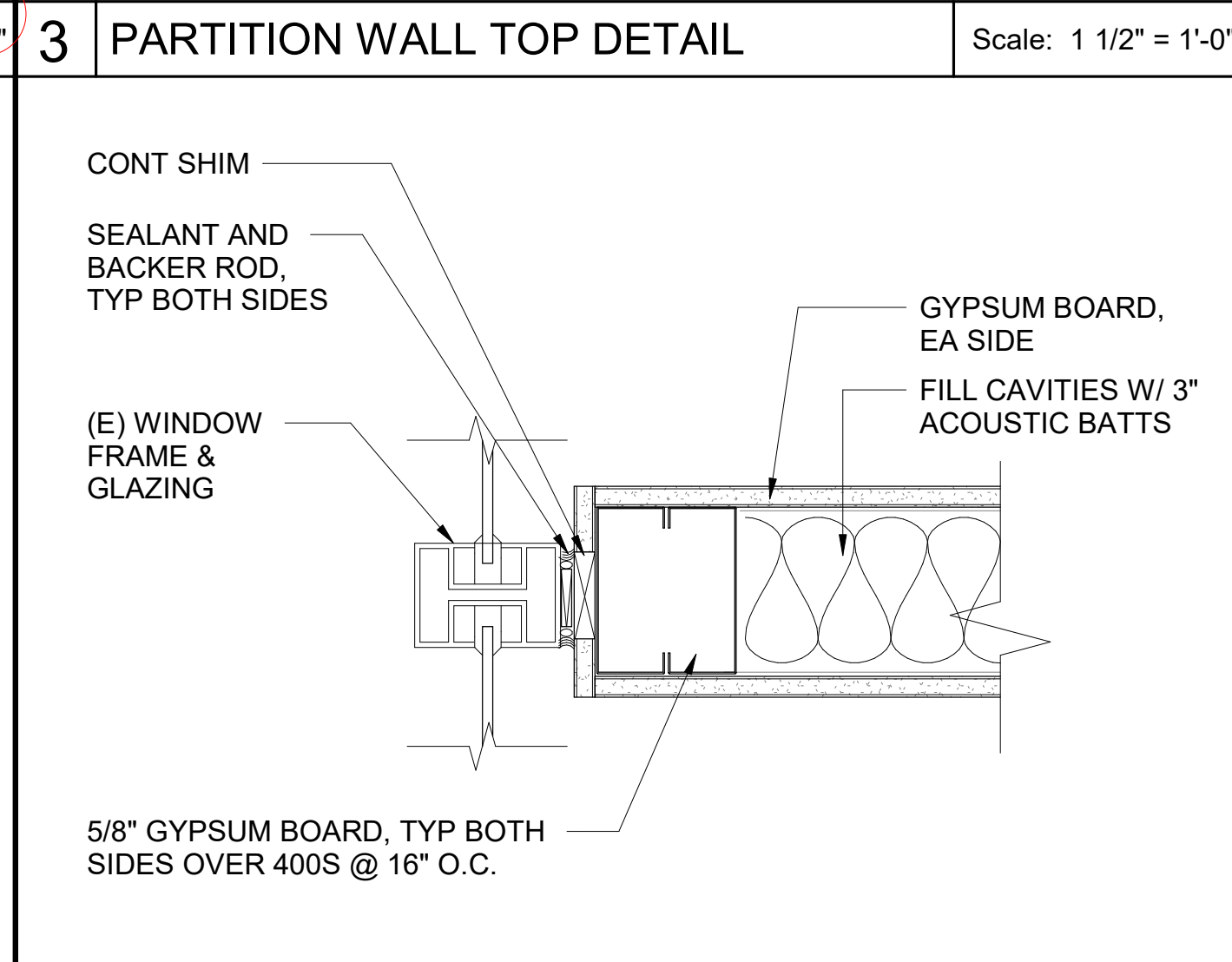
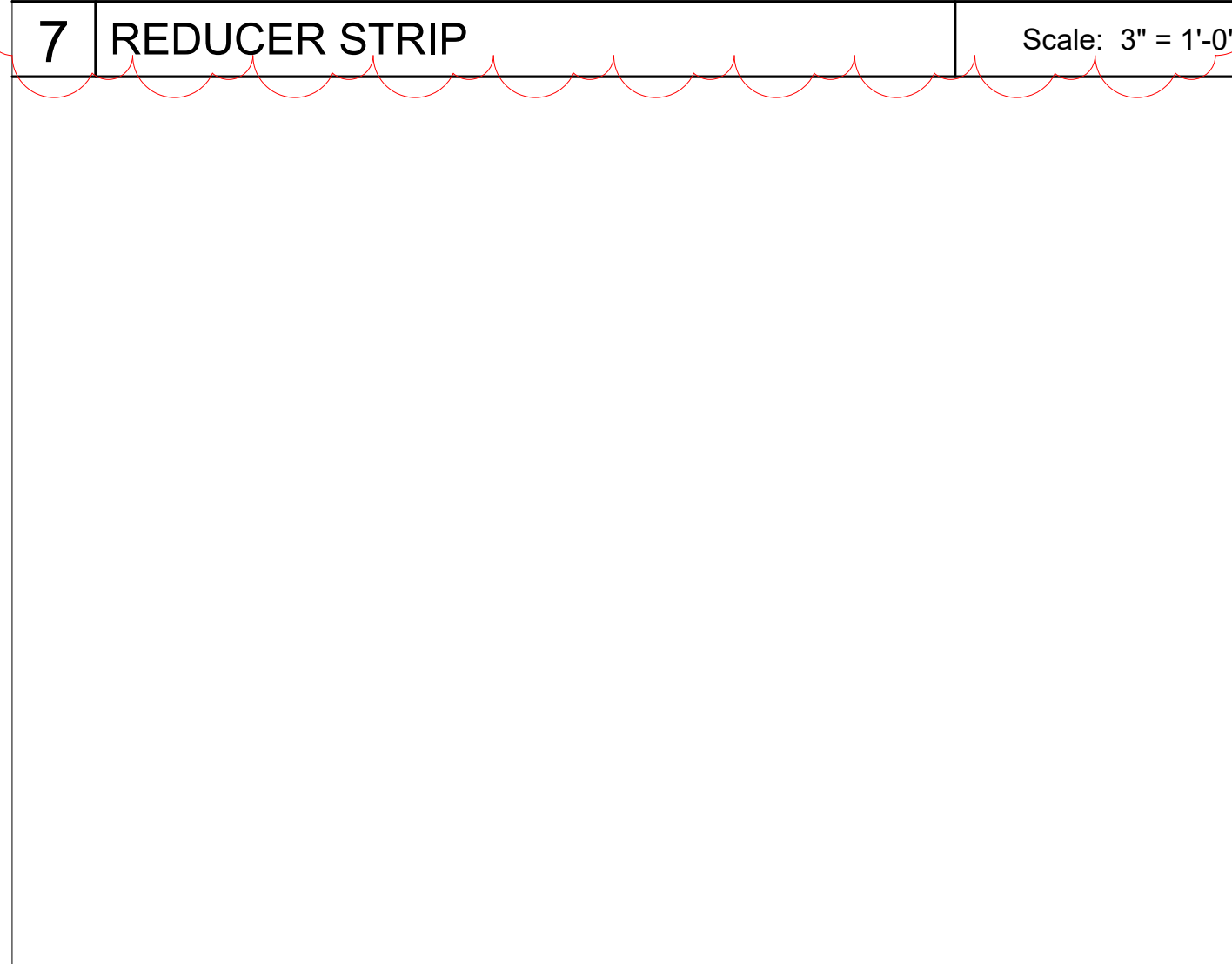
NOTE:
 1. ALL GLAZING IN DOORS AND SIDELIGHTS TO BE TEMPERED GLASS.
 2. ALL RATED DOORS TO BE WIRE-GLASS OR APPROVED FIRE GLAZING, REF SPEC 08-8000.
 3. ALL DOOR LEVERS AND PANIC HARDWARE TO BE MOUNTED AT 40" A.F.F. AT CENTER OF HARDWARE.



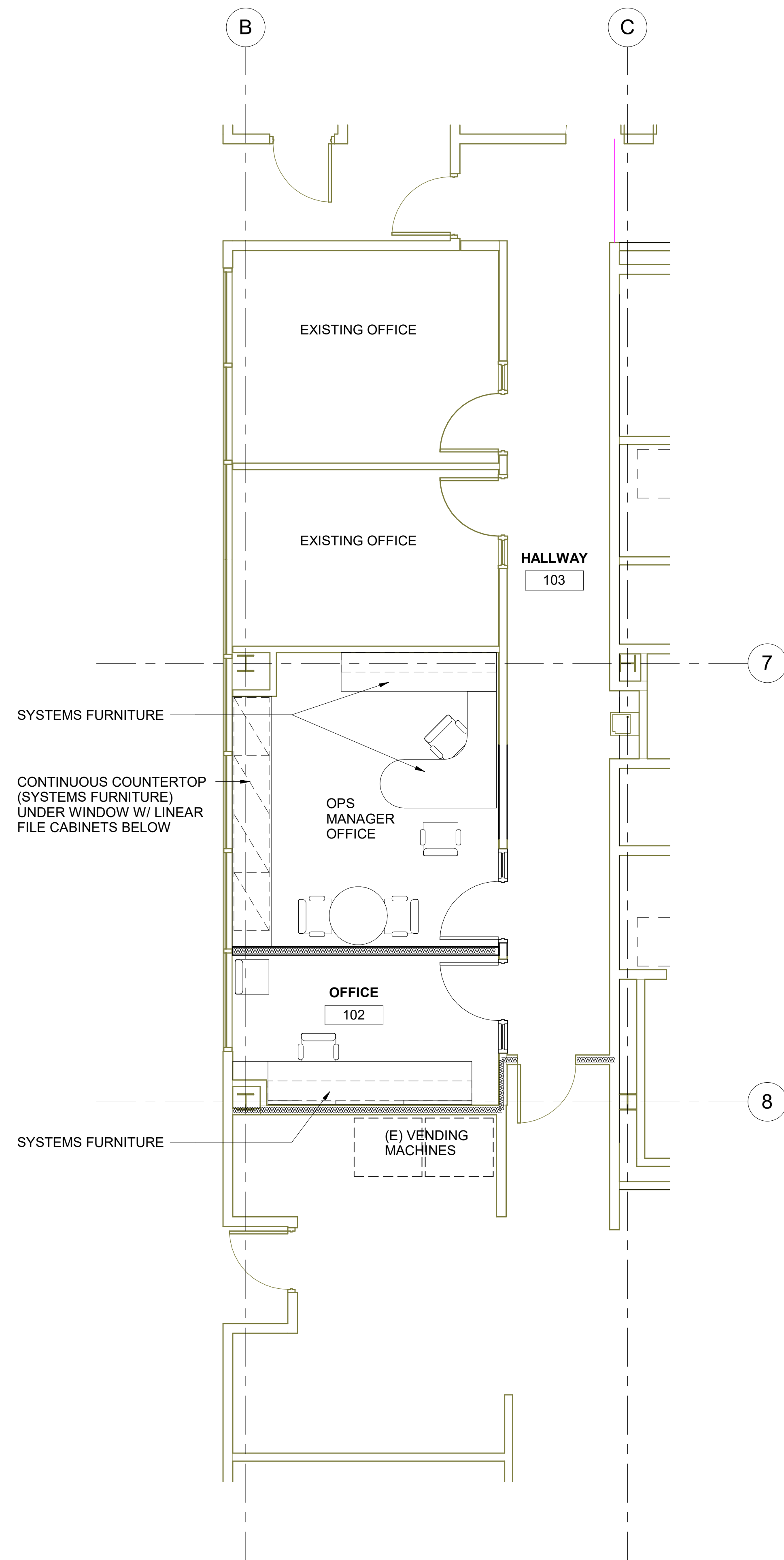
FINISH SCHEDULE																	
No.	ROOM NAME	FLOOR	BASE	WAINSCOT	WALLS								CEILING			COMMENTS	
					NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	HEIGHT		
					MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH					
101	OFFICE	CPT	B1	-	(E) GB	P	GB	P	GB	P	(E) GB	P	ACT	FF	9' - 0"		
102	OFFICE	CPT	B1	-	GB	P	GB	P	GB	P	(E) GB	P	ACT	FF	9' - 0"		
103	HALLWAY	(E) VCT	(E) / B1	-	(E) GB	(E)	(E) GB	(E) P	(E)	(E)	GB	P	(E)	(E)	9' - 0"		

FINISH SCHEDULE ABBREVIATIONS:

(E) EXISTING	CPT CARPET - MATCH EXISTING	GB GYPSUM BOARD
ACT ACOUSTICAL CEILING TILE, SUSPENDED	FF FACTORY FINISH	LF LAMINATE FLOORING
PATTERN: CIRRUS CLASSIC STEP SCORED, WHITE		P PAINTED - MATCH EXISTING BLDG STANDARD
EDGE: CLASSIC STEP TEGULAR 9/16", WHITE		



<p>La Cañada Design Group Architecture Planning Interiors 630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com</p>		<p>engineering division</p> <p>REVISIONS</p> <table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>CODE UPDATE</th> </tr> <tr> <td>3/1/2024</td> <td></td> <td></td> </tr> </table>	DATE	BY	CODE UPDATE	3/1/2024			<p>CITY OF NORWALK</p> <p>TITLE: DOOR SCHEDULE, FINISH SCHEDULE, AND WALL DETAILS NORWALK TRANSIT SYSTEM MAINTENANCE OFFICE</p>
		DATE	BY	CODE UPDATE					
3/1/2024									
<p>Prepared Under the Supervision of:</p> <p>KEVIN O'BRIEN C23472 3/1/2024 11:11:51 AM PLOT DATE</p>	<p>Approved</p> <p>CITY ENGINEER Recommended RCE 57908 DATE</p> <p>Drawn By AS Checked By RL</p>	<p>PROJECT NO. 0655</p> <p>DRAWING NO. A8.01</p> <p>SHEET OF</p>							



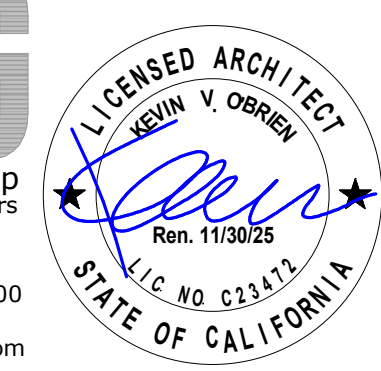
1 ENLARGED FURNITURE FLOOR PLAN
1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. NOTED ITEMS ARE NEW UNLESS INDICATED AS EXISTING, SALVAGE OR DEMOLISH.
2. GRIDS ARE FOR CLARIFICATION PURPOSES ONLY.
3. SEE SHEET G1.00 FOR TYPICAL ABBREVIATIONS.
4. SEE SHEET A8.01 FOR FINISH SCHEDULE.
5. DIMENSIONS ARE TO FACE OF STUD AND/OR CENTER OF COLUMN U.N.O. FOR ADDITIONAL DIMENSIONS REFER TO ENLARGED PLANS.

LCDG
La Cañada Design Group
Architecture Planning Interiors
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Prepared Under the Supervision of:
KEVIN O'BRIEN C23472 3/1/2024 11:12:26 AM
PLOT DATE



engineering division

REVISIONS		
DATE	BY	CODE UPDATE
3/1/2024		

FIELD	BOOK	REF

PLAN	REF



CITY OF **NORWALK**

TITLE: FURNITURE FLOOR PLAN
NORWALK TRANSIT SYSTEM
MAINTENANCE OFFICE

Approved	PROJECT NO. 0655
CITY ENGINEER RCE 57908	DRAWING NO. A9.01
Recommended	SHEET ____ OF ____
Drawn By AS	Checked By RL

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GENERAL NOTES	POLLUTANT CONTROL	CODE STANDARDS																																																	
<p>1. ALL DUCTWORK AND ROOF PENETRATION SHALL BE COORDINATED WITH EXISTING STRUCTURAL JOISTS AND BEAMS. PROVIDE OFFSETS IN PIPES AND DUCTS TO AVOID CUTTING OF BEAMS AND JOISTS UNLESS INDICATED ON STRUCTURAL DRAWINGS.</p> <p>2. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.</p> <p>3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LATEST APPLICABLE CODES AND REGULATIONS PER CALIFORNIA AND OTHER AUTHORITIES HAVING JURISDICTION.</p> <p>4. THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED EXISTING CONDITIONS AND MAKE ADJUSTMENTS TO DIMENSIONS AS NECESSARY TO COMPLETE THE WORK.</p> <p>5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.</p> <p>6. CONTRACTOR SHALL THOROUGHLY EXAMINE PREMISES AND OBSERVE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK SHALL BE PERFORMED. NO ALLOWANCES WILL BE MADE FOR ERRORS OR NEGLIGENCE IN THIS RESPECT.</p> <p>7. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE IMPORTANCE OF PROPER SCHEDULING AND PHASING OF THE WORK SO AS TO CAUSE MINIMUM DISTURBANCE TO THE ACTIVITIES IN THE OTHER FLOORS AND AREAS WHICH REMAIN OCCUPIED THROUGHOUT THE DURATION OF THE CONTRACT. THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY OWNER.</p> <p>8. CONTRACTOR SHALL PERFORM WORK ONLY AFTER THE GATHERING OF EXACT FIELD DIMENSIONS OF THE BUILDING STRUCTURE AND CEILINGS ETC. WHICH MAY AFFECT THE INSTALLATION OF THE NEW SYSTEMS.</p> <p>9. OTHER CONTRACTOR SHALL FULLY COORDINATE ALL WORK WITH OTHER TRADES TO ASSURE ALL WORK CAN BE PROPERLY INSTALLED WITHOUT INTERFERENCE OR DELAY.</p> <p>10. CLEAN UP ALL WASTE AND DEBRIS AT THE END OF EACH WORKING DAY AND AT THE COMPLETION OF THE JOB.</p> <p>11. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT & DUCTWORK PER SPECIFICATIONS.</p> <p>12. EXACT LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES SHALL BE COORDINATED WITH LIGHTING. CEILING DIFFUSERS SHALL HAVE A MINIMUM OF 36" FROM ANY FIRE ALARM DEVICES.</p> <p>13. CONTRACTOR SHALL MOUNT AND CONNECT EACH ITEM OF EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, CMC CHAPTER 6 AND CBC SECTION 1632.</p> <p>14. ALL OPENINGS IN WALLS, CEILINGS, AND FLOORS RESULTING FROM DUCT DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH THE SURROUNDING.</p> <p>15. COORDINATE WITH PLUMBING TO PROVIDE CONDENSATE DRAIN LINES FOR ALL COOLING COILS.</p> <p>16. ALL SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED PER TITLE-24 AND CALIFORNIA ENERGY CODE REQUIREMENT.</p> <p>17. PROVIDE VOLUME DAMPERS AT EACH BRANCH TAKE-OFF FROM MAIN SUPPLY RETURN, AND EXHAUST DUCT SERVING EACH AIR DEVICE.</p> <p>18. PROVIDE DIFFUSERS AND GRILLES WITH BLOW PATTERNS INDICATED ON THE DRAWING.</p> <p>19. WHEN REMOVING EXISTING DUCTWORK, GRILLES, ETC., PATCH AND SEAL (WEATHER TIGHT IF NECESSARY) ALL WALL OPENINGS. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.</p> <p>20. ALL EQUIPMENT WITH MOVING PARTS SHALL BE PROVIDED WITH FLEXIBLE DUCT AND PIPE CONNECTIONS.</p> <p>21. CONTRACTOR SHALL VERIFY ALL CLEARANCES AND AVAILABLE SPACE FOR DUCTWORK PRIOR TO ORDERING AND/OR FABRICATING MATERIAL.</p> <p>22. DRAWINGS SHALL BE USED ONLY FOR GENERAL DUCT ROUTING AND AIR DISTRIBUTION. ACCESS DOORS SHALL BE PROVIDED ON ALL FIRE DAMPERS, AUTOMATIC DAMPERS, MANUAL DAMPERS, AND BYPASS DAMPERS.</p> <p>23. NOTE THE CRITICAL SPACE AVAILABLE ABOVE CEILINGS. PROVIDE TRANSITION PIECES AT CROSSOVERS, UNDER BEAMS, OVER/UNDER PIPES, AS REQUIRE ACCOMMODATE DUCTS WITHIN SPACE AVAILABLE, PROVIDING EQUIVALENT DUCT SIZE TO THE DIMENSION SHOWN. COORDINATE CLOSELY WITH OTHER SECTIONS TO REDUCE NECESSITY OF TRANSITIONS TO A MINIMUM. NO ADDITIONAL COSTS WILL BE PAID FOR ANY REQUIRED TRANSITIONS OR OTHER SPECIAL CHANGE SHAPE PIECES.</p> <p>24. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL HAVE ALL AIR SYSTEMS BALANCED TO INDICATED AIR FLOW QUANTITIES BY A CERTIFIED AABC BALANCING CONTRACTOR. PROVIDE POST-CONSTRUCTION AIR BALANCE REPORT.</p> <p>25. MAXIMUM LENGTH OF RUN OF FLEXIBLE DUCT SHALL NOT EXCEED 5'-0" FEET.</p> <p>26. REPAIR CEILING AND WALL SURFACES AFTER INSTALLATION AND INSPECTION OF NEW MECHANICAL DUCTWORK, FANS, ETC. ARE INSTALLED. PAINT OR INSTALL NEW TILE TO MATCH EXISTING CONDITION AND SURROUNDINGS. VERIFY WITH ARCHITECT. PATCH AND/OR REPAIR ROOF SYSTEM IF ANY DEMOLITION WORK FOR MECHANICAL SYSTEM AFFECTED THE ROOF.</p> <p>27. CONTRACTOR SHALL PROVIDE "YOUNG" REGULATORS IN LIEU OF VOLUME DAMPERS IN HARD CEILING AREAS AT EACH BRANCH TAKE-OFF FROM MAIN SUPPLY, RETURN AND EXHAUST DUCT SERVING EACH AIR DEVICE. ALL MANUAL VOLUME DAMPERS MAY NOT BE SHOWN ON PLANS. PROVIDE AS STATED.</p> <p>28. THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R TITLE 24, OF SECTION 16 AND 16A CBC-2022 AND ASCE 7-10. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB SITE AT ALL TIMES.</p> <p>29. ANY EQUIPMENT, DUCTWORK, OR PIPING INSTALLED MORE THAN 1 FT FROM THE LOCATION SHOWN ON THE DRAWINGS SHALL BE CLEARLY DOCUMENTED ON THE FIELD. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS THAT CLEARLY SHOW THE LOCATION OF THE THE EQUIPMENT BEFORE THAN COMPLETION OF THE PROJECT. ALL EXPENSE RELATING TO VERIFY THE AS-BUILT DRAWINGS BY THE DISTRICT OR ITS REPRESENTATIVE(S) DUE TO INACCURATE OR INCOMPLETE RECORD SHALL BE BORN BY THE CONTRACTOR.</p> <p>30. CONTRACTOR HAS THE OPTION TO CHANGE DUCT TO ROUND AS LONG AS INTERIOR ASPECT RATIO IS MAINTAINED, AND SPACE ALLOWS.</p> <p>31. RECORD PLANS "AS BUILTS" - THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A CLEAN, UNDAMAGED SET OF PRINTS OF DRAWINGS AND SHOP DRAWINGS ON SITE. RED LINE THE SET TO SHOW THE ACTUAL INSTALLATION WHERE THE INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. FOR CLOSE OUT, THE CONTRACTOR SHALL INCORPORATE THE CHANGES IN AUTOCAD FORMAT INTO THE APPROPRIATE ORIGINAL DRAWINGS. SIMPLE ATTACHMENTS SUCH AS REFERENCING CHANGE ORDERS, SHOP DRAWINGS, RFC'S OR RFI'S ARE NOT ACCEPTABLE.</p> <p>32. ALL THERMOSTATS SHALL BE PROVIDED WITH COMMERCIALY AVAILABLE COVERS TO PREVENT VANDALISM AND TAMPERING.</p> <p>33. ALL DUCTWORK INSTALLATION SHALL BE DONE IN ACCORDANCE WITH LATEST SMACNA GUIDELINES.</p>	<p><u>INDOOR AIR QUALITY DURING CONSTRUCTION</u></p> <p>TEMPORARY VENTILATION DURING CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING.</p> <p>1. VENTILATION DURING CONSTRUCTION SHALL BE ACHIEVED THROUGH OPENING IN THE BUILDING SHELL USING FANS TO PRODUCE NOT LESS THAN THREE AIR CHANGES PER HOUR.</p> <p>2. THE SUPPLY AND RETURN HVAC SYSTEM OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS THAT CAN COLLECT IN THE SYSTEM.</p> <p>3. THE BUILDING WILL BE OCCUPIED DURING DEMOLITION AND CONSTRUCTION, VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTROL MEASURES OF THE SMACNA IAQ GUIDELINES FOR OCCUPIED BUILDINGS DURING CONSTRUCTION.</p> <p>4. THE PERMANENT HVAC SYSTEM SHALL NOT BE USED DURING CONSTRUCTION TO CONDITION AND VENTILATE THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. WHERE REQUIRED, A SUPPLEMENTAL HVAC SYSTEM SHALL BE USED DURING CONSTRUCTION.</p>	<p><u>CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR):</u></p> <table border="0"> <tr><td>PART 1</td><td>2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE</td></tr> <tr><td>PART 2</td><td>2022 CALIFORNIA BUILDING CODE (CBC) VOLUME 1 AND 2</td></tr> <tr><td>PART 3</td><td>2022 CALIFORNIA ELECTRICAL CODE (CEC)</td></tr> <tr><td>PART 4</td><td>2022 CALIFORNIA MECHANICAL CODE (CMC)</td></tr> <tr><td>PART 5</td><td>2022 CALIFORNIA PLUMBING CODE (CPC)</td></tr> <tr><td>PART 6</td><td>2022 CALIFORNIA ENERGY CODE (CEC)</td></tr> <tr><td>PART 7</td><td>CURRENTLY VACANT</td></tr> <tr><td>PART 8</td><td>2022 CALIFORNIA HISTORICAL BUILDING CODE</td></tr> <tr><td>PART 9</td><td>2022 CALIFORNIA FIRE CODE (CFC)</td></tr> <tr><td>PART 10</td><td>2022 CALIFORNIA EXISTING BUILDING CODE</td></tr> <tr><td>PART 11</td><td>2022 CALIFORNIA GREEN BUILDING STANDARDS CODE</td></tr> <tr><td>PART 12</td><td>2022 CALIFORNIA REFERENCED STANDARDS</td></tr> </table> <p><u>PARTIAL LIST OF APPLICABLE STANDARDS:</u></p> <table border="0"> <tr><td>NFPA 13, AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)</td><td>2022 EDITION</td></tr> <tr><td>NFPA 14, STANDPIPE SYSTEMS (CALIFORNIA AMENDED)</td><td>2024 EDITION</td></tr> <tr><td>NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEM</td><td>2024 EDITION</td></tr> <tr><td>NFPA 17A, WET CHEMICAL SYSTEMS</td><td>2024 EDITION</td></tr> <tr><td>NFPA 20, STATIONARY PUMPS</td><td>2022 EDITION</td></tr> <tr><td>NFPA 24, PRIVATE FIRE MAINS (CALIFORNIA AMENDED)</td><td>2022 EDITION</td></tr> <tr><td>NFPA 72, NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)</td><td>2022 EDITION</td></tr> <tr><td>(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")</td><td></td></tr> <tr><td>NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVE</td><td>2022 EDITION</td></tr> <tr><td>NFPA 253, CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS</td><td>2023 EDITION</td></tr> <tr><td>NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS</td><td>2022 EDITION</td></tr> <tr><td>REFERENCE CODE SECTION FOR NFPA STANDARDS-2001 CBC (SFM) 3504.1</td><td></td></tr> </table>	PART 1	2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE	PART 2	2022 CALIFORNIA BUILDING CODE (CBC) VOLUME 1 AND 2	PART 3	2022 CALIFORNIA ELECTRICAL CODE (CEC)	PART 4	2022 CALIFORNIA MECHANICAL CODE (CMC)	PART 5	2022 CALIFORNIA PLUMBING CODE (CPC)	PART 6	2022 CALIFORNIA ENERGY CODE (CEC)	PART 7	CURRENTLY VACANT	PART 8	2022 CALIFORNIA HISTORICAL BUILDING CODE	PART 9	2022 CALIFORNIA FIRE CODE (CFC)	PART 10	2022 CALIFORNIA EXISTING BUILDING CODE	PART 11	2022 CALIFORNIA GREEN BUILDING STANDARDS CODE	PART 12	2022 CALIFORNIA REFERENCED STANDARDS	NFPA 13, AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)	2022 EDITION	NFPA 14, STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2024 EDITION	NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEM	2024 EDITION	NFPA 17A, WET CHEMICAL SYSTEMS	2024 EDITION	NFPA 20, STATIONARY PUMPS	2022 EDITION	NFPA 24, PRIVATE FIRE MAINS (CALIFORNIA AMENDED)	2022 EDITION	NFPA 72, NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)	2022 EDITION	(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")		NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVE	2022 EDITION	NFPA 253, CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2023 EDITION	NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2022 EDITION	REFERENCE CODE SECTION FOR NFPA STANDARDS-2001 CBC (SFM) 3504.1		
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	<p>DEMOLITION NOTES</p> <p>WORK UNDER THIS SECTION: THE WORK UNDER THIS SECTION SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE ALL DEMOLITION AS INDICATED AND SPECIFIED.</p> <p><u>WORK:</u></p> <p>1. REMOVAL OF THE EXISTING HVAC MECHANICAL SYSTEMS AND MECHANICAL EQUIPMENT AS INDICATED AND/OR AS DIRECTED ON THE PLANS. ALL REFRIGERANT AND OILS CONTAINED IN SPLIT SYSTEMS (INCLUDING PIPING, ETC.) SHALL BE EVACUATED FROM SYSTEM AND RECYCLED PER EPA REQUIREMENTS PRIOR TO DECONSTRUCTION OR REMOVAL FROM ORIGINAL INSTALLATION. UNDER NO CIRCUMSTANCES SHALL REFRIGERANT BE ALLOWED INTO THE ATMOSPHERE (NO PURGING).</p> <p><u>MATERIALS:</u></p> <p>1. ALL MATERIALS, RUBBISH AND DEBRIS SHALL BE PROMPTLY REMOVED FROM THE BUILDINGS AND FROM THE SITE. ACCUMULATION OF SAME SHALL NOT BE PERMITTED.</p> <p>2. THE CONTRACTOR SHALL PROTECT PART OF ALL STRUCTURES NOT INCLUDED IN ALTERATION. ANY DAMAGE RESULTING DUE TO ALTERATION SHALL BE REPAIRED AND/OR REPLACED TO THE ORIGINAL CONDITION AS APPROVED BY THE OWNERS REPRESENTATIVE.</p> <p>3. ANY ITEMS REMOVED TO BE REUSED ARE TO BE PROTECTED AND REINSTALLED IN UNDAMAGED AND WORKABLE CONDITION.</p> <p><u>MEASURES:</u></p> <p>1. PROTECTION MEASURES SHALL BE IN EFFECT PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY ISOLATE HIS WORK FROM ADJACENT IN-SERVICE AREAS OF THE BUILDING.</p> <p>2. UTILITY SHUT DOWN MUST BE COORDINATED WITH OAR AND SCHOOL FOR A MINIMUM OF 48 HOURS IN ADVANCE.</p> <p>3. THE LOCATION AND ACTIVE/INACTIVE STATUS OF ALL EXISTING UTILITIES IN THE IMMEDIATE AREA OF THE WORK MUST BE VERIFIED PRIOR TO ANY CUTTING OPERATIONS.</p> <p>4. DEBRIS FROM DEMOLITION SHALL BE COLLECTED AND REMOVED AT THE BEGINNING OF THE FOLLOWING WORK DAY. ROUTING OF ANY DEBRIS THROUGH ANY PORTION OF THE EXISTING BUILDING SHALL BE DONE UNDER STRICT OBSERVATION OF THE OWNERS AUTHORIZED REPRESENTATIVE (OAR) AND SCHOOL. ONLY THOSE ROUTES AND TIMES DESIGNATED BY OAR AND SCHOOL SHALL BE ALLOWED.</p> <p>5. THIS SITE SHALL REMAIN IN OPERATION WHILE THIS WORK IS BEING DONE, COORDINATE WITH THE PROJECT MANAGER FOR THE PHASING OF THIS WORK SO NOT TO INTERFERE WITH THE NORMAL OPERATION OF THIS SITE.</p> <p>6. AFTER DEMOLITION COORDINATE FOR THE PATCHING OF ALL WALL, FLOOR AND ROOF OPENINGS IN ACCORDANCE WITH PROJECT MANAGER AND SCHOOL. SEE ALL ARCHITECTURAL DRAWINGS FOR DETAILS.</p>	<p>THERMOSTAT NOTES</p> <p>THE THERMOSTAT SHALL COMPLY WITH THE FOLLOWING:</p> <p>1. ALL THERMOSTATS SHALL BE EQUIPPED WITH DIGITAL DISPLAY, TEMPERATURE SET-POINT ADJUSTMENTS AND OVERRIDE CAPABILITY.</p> <p>2. ALL THERMOSTATS SHALL BE EQUIPPED WITH PASSIVE INFRARED (PIR) MOTION SENSORS FOR OCCUPANCY DETECTION EXCEPT FOR THE MDF ROOMS.</p> <p>3. WHERE THERMOSTAD HAS TO BE LOCATED ON THE OUTSIDE WALL, THERMAL PADDING SHALL BE PROVIDED.</p> <p>4. THERMOSTAT SHALL BE COMPATIBLE WITH THE EXISTING ROOF TOP UNIT.</p> <p>SHEET INDEX</p> <table border="0"> <tr><td>M-1.01</td><td>MECHANICAL FRONT SHEET</td></tr> <tr><td>M-1.02</td><td>MECHANICAL SYMBOLS AND ABBREVIATIONS</td></tr> <tr><td>M-1.03</td><td>MECHANICAL SCHEDULES</td></tr> <tr><td>M-1.04</td><td>FIRST FLOOR OVERALL PLAN</td></tr> <tr><td>M-2.10</td><td>MECHANICAL FLOOR PLANS</td></tr> <tr><td>M-3.10</td><td>MECHANICAL DETAILS</td></tr> <tr><td>M-3.11</td><td>MECHANICAL DETAILS</td></tr> <tr><td>M-3.12</td><td>MECHANICAL SPECIFICATIONS.</td></tr> <tr><td>M-3.13</td><td>MECHANICAL SPECIFICATIONS</td></tr> </table>	M-1.01	MECHANICAL FRONT SHEET	M-1.02	MECHANICAL SYMBOLS AND ABBREVIATIONS	M-1.03	MECHANICAL SCHEDULES	M-1.04	FIRST FLOOR OVERALL PLAN	M-2.10	MECHANICAL FLOOR PLANS	M-3.10	MECHANICAL DETAILS	M-3.11	MECHANICAL DETAILS	M-3.12	MECHANICAL SPECIFICATIONS.	M-3.13	MECHANICAL SPECIFICATIONS																															
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<p>Consultant</p>  <p>Budlong An MBE/SBE/DBE/ESBE Firm Glendale/Downtown LA/Camarillo W W W . S U B L O N G . C O M</p>	<p>Registration</p>  <p>REGISTERED PROFESSIONAL ENGINEER CIVIL/PAVE No. 29448 EXP. 06-30-25</p>	<p>LCDG La Cañada Design Group Architecture Planning Interiors</p> <p>630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com</p> <p>Prepared Under the Supervision of:</p> <p>KEVIN O'BRIEN C23472 PLOT DATE</p>	<p>engineering division</p> <table border="1"> <tr><th colspan="2">REVISIONS</th></tr> <tr><th>DATE</th><th>BY</th></tr> <tr><td>3/1/2024</td><td></td></tr> <tr><th colspan="2">CODE UPDATE</th></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><th>FIELD</th><th>BOOK</th><th>REF</th></tr> <tr><td></td><td></td><td></td></tr> <tr><th>PLAN</th><th>REF</th></tr> <tr><td></td><td></td></tr> </table>	REVISIONS		DATE	BY	3/1/2024		CODE UPDATE										FIELD	BOOK	REF				PLAN	REF			<p>CITY OF NORWALK</p> <p>TITLE: MECHANICAL FRONT SHEET NORWALK TRANSIT SYSTEM OPERATIONS DEPARTMENT RECONFIGURATION</p> <p>Approved Recommended</p> <p>CITY ENGINEER RCE 57908 DATE</p> <p>DRAWING NO. M-1.01</p> <p>Drawn By _____ Checked By _____</p> <p>SHEET _____ OF _____</p>
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HVAC ABBREVIATIONS

DUCTWORK SYMBOLS

DUCTWORK SYMBOLS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AC	AIR CONDITIONING UNIT	RA	RETURN AIR
AD	ACCESS DOOR	RAR	RETURN AIR REGISTER
AFF	ABOVE FINISHED FLOOR	RF	RETURN FAN
AHU	AIR HANDLING UNIT	RG	RETURN GRILLE
BDD	BACK DRAFT DAMPER (WEIGHTED)	RH	RELATIVE HUMIDITY
BFP	BACKFLOW PREVENTER	RLA	RATED LOAD AMPS
BT	BYPASS TIMER	RM	ROOM
BTU	BRITISH THERMAL UNITS PER HOUR	RPM	REVOLUTIONS PER MINUTE
		RR	RETURN REGISTER
CC	COOLING COIL	SA	SUPPLY AIR
CD	CEILING DIFFUSER	SF	SUPPLY AIR FAN
CFM	CUBIC FEET PER MINUTE	SF	STATIC PRESSURE
CWR	CHILLED WATER RETURN	SP	SPECIFICATIONS
CWS	CHILLED WATER SUPPLY	SPEC	SPECIFICATIONS
CW	CHILLED WATER	SR	SUPPLY REGISTER
CLG	CEILING		
CU	CONDENSING UNIT	TD	TEMPERATURE DIFFERENCE
CV	CONSTANT VOLUME, CONT., CONTINUES	TEMP	TEMPERATURE
CSFD	COMBINATION FIRE/SMOKE DAMPER	TSTAT	THERMOSTAT
		TYP	TYPICAL
DAL	DISCHARGE AIR LOUVER	TSP	TOTAL STATIC PRESSURE
DB	DECIBELS		
DBT	DRY BULB TEMPERATURE	UH	UNIT HEATER
DDC	DIRECT DIGITAL CONTROL	UNO	UNLESS NOTED OTHERWISE
DIA	DIAMETER	UTR	UP THROUGH ROOF
DN	DOWN		
DTR	DOWN THROUGH ROOF	V	VOLT
		VENT	VENTILATION VENT
EA	EACH	VERT	VERTICAL
EAT	ENTERING AIR TEMPERATURE °F	VTR	VENT THROUGH ROOF
EF	EXHAUST FAN		
EG	EXHAUST GRILLE	W/	WITH
EFF	EFFICIENCY	W	WATT
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	WBT	WET BULB TEMPERATURE
EMS	ENERGY MANAGEMENT SYSTEM	WMS	WIRE MESH SCREEN
ER	EXHAUST REGISTER		
ESP	EXTERNAL STATIC PRESSURE, INCH OF W.G.	ZD	ZONE DAMPER
		(D)	EXISTING TO DEMOLISH
°F	DEGREES, FAHRENHEIT	(E)	EXISTING TO REMAIN
FAU	FURNACE AIR UNIT	(N)	NEW TO PROVIDE
FC	FLEX CONNECTION	(R)	REMOVE
FCU	FAN COIL UNIT	(RL)	RELOCATED
FD	FIRE DAMPER	(RS)	REMOVE & SAVE FOR RELOCATION
FLR	FLOOR	(DCV)	DEMAND CONTROL VENTILATION (CO2)
FLA	FULL LOAD AMPS	N.I.S.O.W	NOT IN HVAC SCOPE OF WORK
FPM	FEET PER MINUTE		
FT	FEET		
FV	FACE VELOCITY		
HZ	HERTZ		
HPU	HEAT PUMP UNIT		
HP	HORSE POWER		
HW	HOT WATER		
HWR	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		
IN	INCHES		
IN. W.C.	INCHES OF WATER COLUMN		
IFM	INDOOR FAN MOTOR		
LAT	LEAVING AIR TEMPERATURE °F		
LBS	POUNDS		
LRA	LOCKED ROTOR AMPS		
MAX	MAXIMUM		
MBH	ONE THOUSAND BTUH		
MCA	MINIMUM CIRCUIT AMPS		
MCOP	MAXIMUM CIRCUIT AMPS		
MD	MOTORIZED DAMPER		
MIN	MINIMUM		
MFS	MAXIMUM FUSE SIZE		
MVD	MANUAL VOLUME DAMPER		
N/A	NOT APPLICABLE		
NC	NOISE CRITERIA		
NIC	NOT IN CONTRACT		
NISOW	NOT IN HVAC SCOPE OF WORK		
NK	NECK		
NO	NUMBER		
NTS	NOT TO SCALE		
OFM	OUTDOOR FAN MOTOR		
OSA	OUTSIDE AIR		
OAI	OUTSIDE AIR INTAKE		
OAL	OUTSIDE AIR LOUVER		
OBD	OPPOSED BLADE DAMPER		

SYMBOLS	DESCRIPTION
	SUPPLY DUCT RISER IN PLAN
	RETURN DUCT RISER IN PLAN
	EXHAUST DUCT RISER
	RECTANGULAR DUCTWORK
	RECTANGULAR DUCT (WIDTH X DEPTH)
	FLAT OVAL DUCTWORK
	ROUND DUCTWORK (SIZE DIAMETER)
	1" ACOUSTICALLY LINED DUCTWORK
	SQUARE-THROATED ELBOW W/TURNING VANES
	RADIUS ELBOW
	RADIUS TEE
	SQUARE-THROATED TEE
	CHANGE IN ELEVATION WITH RELATION TO AIR FLOW
	VOLUME DAMPER
	TRANSITION WITH FLAT SIDE
	TRANSITION ON CENTER
	RECTANGULAR-TO-ROUND TRANSITION
	TAKE-OFF TAP TO RECTANGULAR DUCT AND VOLUME DAMPER
	CONICAL TAP TO RECTANGULAR DUCT AND VOLUME DAMPER
	COMBINATION FIRE SMOKE DAMPER (CFSD)
	FIRE DAMPER (FD)
	FLEXIBLE CONNECTOR
	EXISTING DUCTWORK TO REMAIN (DASHED)
	NEW DUCTWORK (SOLID)
	(L) NEW LINED DUCTWORK (SOLID)
	(DWL) NEW DOUBLE WALL LINED DUCTWORK (SOLID)
	ACCESS REQUIRED FOR EQUIPMENT SERVICE
	SIDE WALL REGISTER/GRILLE
	RETURN GRILLE WITH ACOUSTICALLY LINED BOOT
	CEILING DIFFUSER 4-WAY THROW
	CEILING DIFFUSER 3-WAY THROW
	CEILING DIFFUSER 2-WAY THROW
	CEILING DIFFUSER 1-WAY THROW
	RETURN AIR GRILLE
	EXHAUST GRILLE





	THERMOSTAT (MAX. 48" A.F.F.)
	TEMPERATURE SENSOR (MAX. 48" A.F.F.)
	CARBON DIOXIDE SENSOR (MAX. 48" A.F.F.)
	BYPASS TIMER (MAX. 48" A.F.F.)
	MANUAL VOLUME DAMPER
	EQUIPMENT TAG, DESCRIPTION FAU, ROOM NUMBER D80, UNIT NUMBER 1
	DETAIL REFERENCE, DETAIL 1, SHEET NUMBER M-1
	DOOR LOUVER MIN. 12x12
	DOOR UNDERCUT MAX. 3/4"
	SECTION REFERENCE, SECTION 1 SHEET M-1
	EQUIPMENT REFERENCE, UNIT NUMBER AND SHEET NUMBER
	DUCT MOUNTED SMOKE DETECTOR
	DEMOLITION NOTE #A
	CONSTRUCTION NOTE #1
	ROOF MOUNTED DUCT SUPPORT

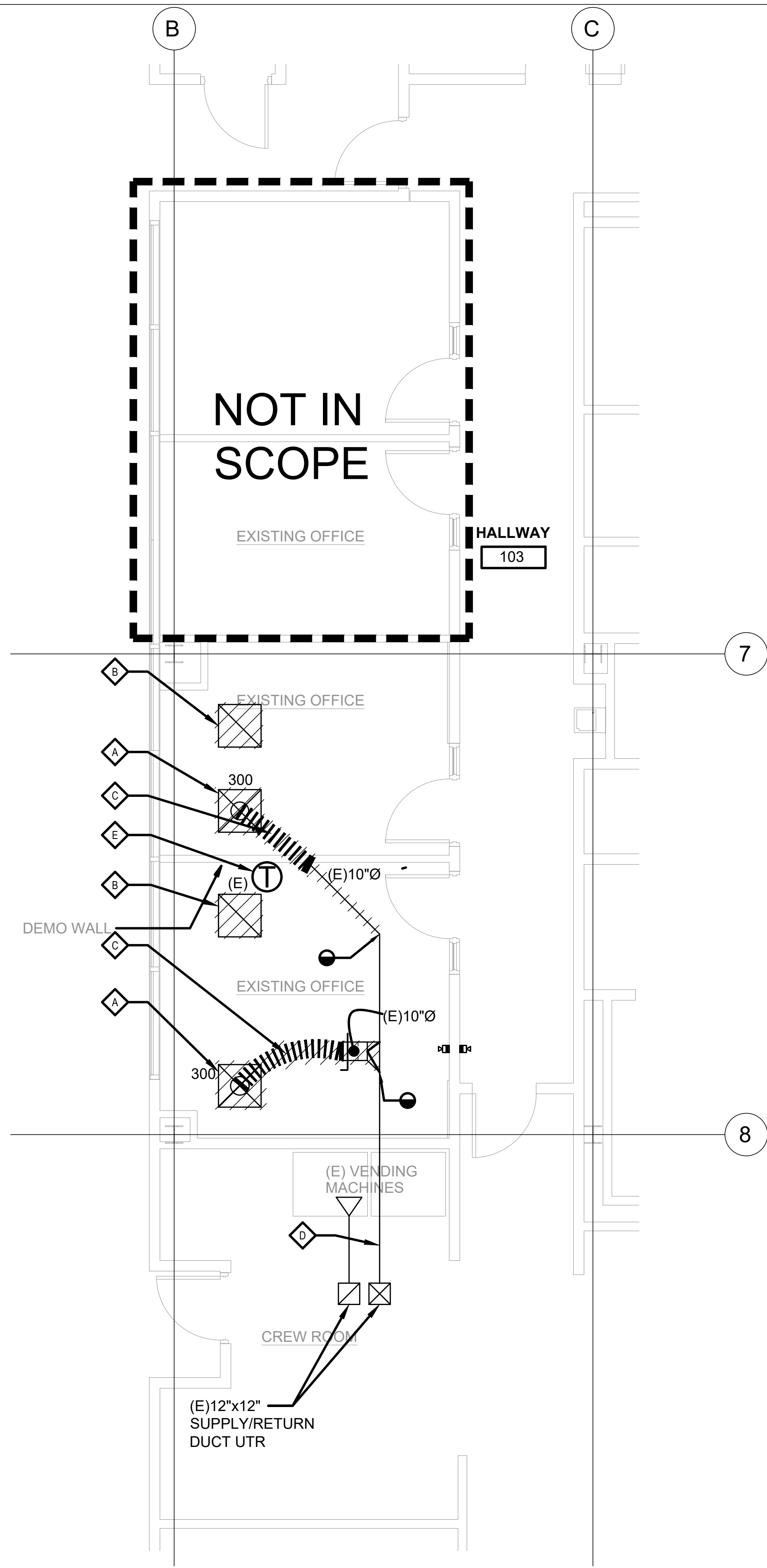
DEMOLITION LEGEND

SYMBOL/ABBREVIATION	DESCRIPTION
(E)	EXISTING
	(POD) POINT OF DISCONNECT
	(POC) POINT OF CONNECTION
	EXISTING TO BE REMOVED (HATCHED)

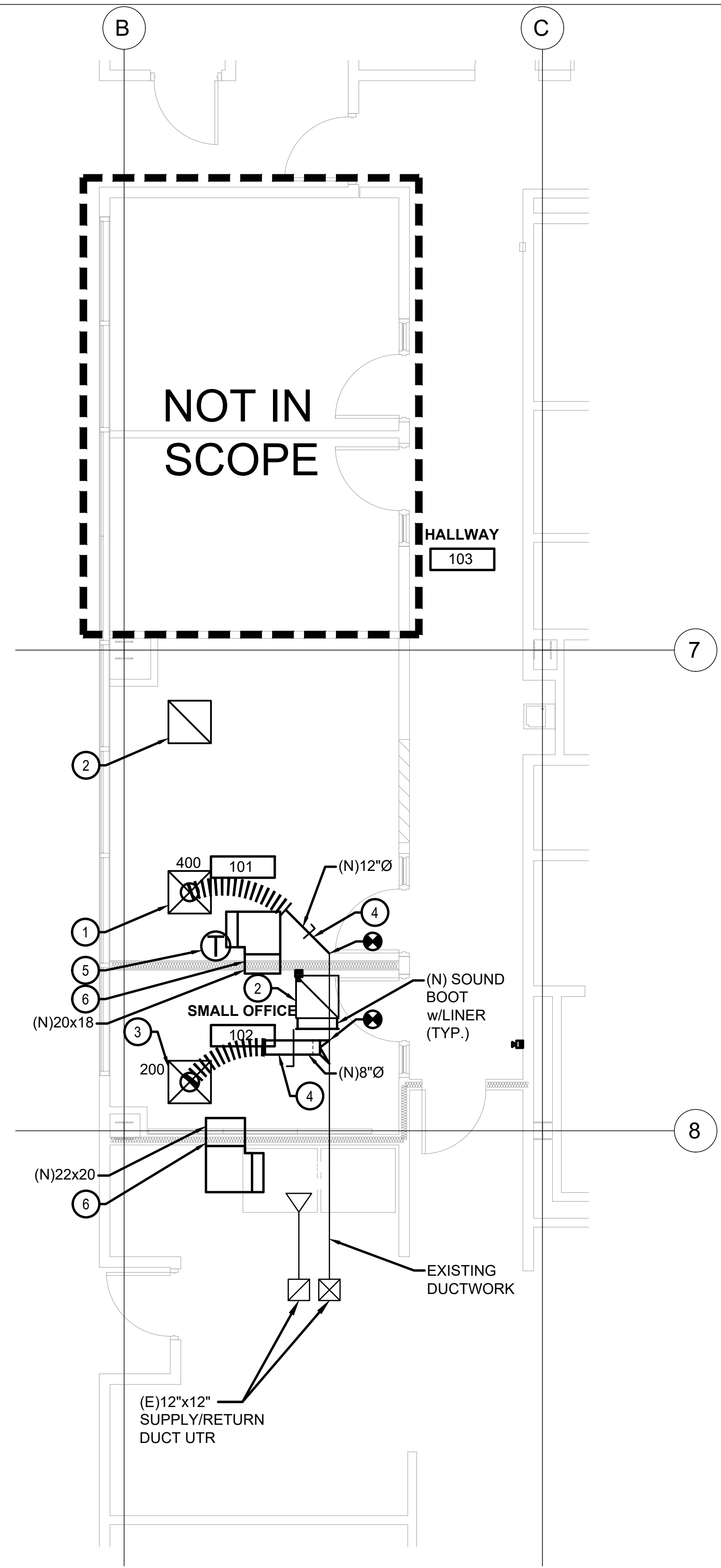
Consultant Budlong <small>An MBE/ISBE/DBE/LSBE Firm Glendale/Downtown LA/Camarillo W W W . S U B L O G . C O M</small>	Registration No. 29448 EXP. 06-30-25	 La Cañada Design Group Architecture Planning Interiors 630 N. Rosemead Blvd., Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com Prepared Under the Supervision of: KEVIN O'BRIEN C23472	engineering division REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr><th>DATE</th><th>BY</th><th>CODE UPDATE</th></tr> </thead> <tbody> <tr><td>3/1/2024</td><td></td><td></td></tr> </tbody> </table>	DATE	BY	CODE UPDATE	3/1/2024			CITY OF TITLE: MECHANICAL SYMBOLS & ABBREVIATIONS NORWALK TRANSIT SYSTEM OPERATIONS DEPARTMENT RECONFIGURATION Approved CITY ENGINEER RCE 57908 DATE Recommended DATE Drawn By _____ Checked By _____	PROJECT NO. DRAWING NO. M-1.02 SHEET _____ OF _____
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3/1/2024											

AIR DEVICES SCHEDULE					
MANUFACTURED BY "ANEMOSTAT" MANUFACTURING COMPANY INC.					
SUPPLY CEILING DIFFUSER MODEL QC-S (ACOUSTICAL TILE ON PLASTER CEILING OR EXPOSED CEILING)			MODEL DF (SURFACE MOUNTED) MODEL DP (T-BAR CEILING) SQUARE SUPPLY CEILING DIFFUSERS (4-WAY) THROW PATTERN 41 FOR 10'-0" HIGH OR MORE CEILINGS		
CFM RANGE	NECK SIZE	DIFFUSER SIZE	NECK VELOCITY	NC	
0 - 125	6x6	10x10	>500	<20	
126 - 200	8x8	12x12	>500	<20	
201 - 350	10x10	14x14	>500	21	
351 - 500	12x12	16x16	>500	23	
501 - 675	14x14	18x18	>500	24	
676 - 875	16x16	20x20	>500	26	
876 - 1100	18x18	22x22	>500	27	
1101 - 1375	20x20	24x24	>500	27	
NOTES: 1. PROVIDE ROUND TO SQUARE ADAPTORS (IF REQUIRED). 2. SUPPLY DIFFUSER SCHEDULE APPLIES TO 1, 2, 3 AND 4 WAY BLOW DEVICES. 3. PROVIDE WITH VOLUME DAMPERS.			NOTES: 1. SUPPLY DIFFUSER SCHEDULE APPLIES TO 4-WAY BLOW DEVICES. 2. ALUMINUM CONSTRUCTION. 3. PROVIDE (SRA) ROUND TO SQUARE ADAPTORS (IF REQUIRED). 4. PROVIDE WITH VOLUME DAMPERS.		
SUPPLY CEILING DIFFUSER MODEL QC-L (T-BAR CEILING)			RETURN AND EXHAUST CEILING REGISTER FOR ACOUSTICAL TILE ON PLASTER CEILING MODEL 30 (45-L) (45° DEFLECTION AND 1/2" SPACING)		
CFM RANGE	NECK SIZE	DIFFUSER SIZE	NECK VELOCITY	NC	
0 - 125	6x6	24x24	>500	<20	
126 - 200	8x8	24x24	>500	<20	
201 - 350	10x10	24x24	>500	21	
351 - 500	12x12	24x24	>500	23	
501 - 675	14x14	24x24	>500	24	
676 - 875	16x16	24x24	>500	26	
876 - 1100	18x18	24x24	>500	27	
1101 - 1375	20x20	24x24	>500	27	
NOTES: 1. PROVIDE ROUND TO SQUARE ADAPTORS (IF REQUIRED). 2. SUPPLY DIFFUSER SCHEDULE APPLIES TO 1, 2, 3 AND 4 WAY BLOW DEVICES. 3. PROVIDE CEILING DIFFUSERS WITH FILLER PANELS AS NEEDED. 4. PROVIDE WITH VOLUME DAMPERS.			NOTES: 1. PROVIDE ROUND TO SQUARE ADAPTORS (IF REQUIRED). 2. PROVIDE CEILING REGISTERS WITH FILLER PANELS AS NEEDED. 3. PROVIDE WITH VOLUME DAMPERS.		
ROUND SUPPLY CEILING DIFFUSER MODEL C-27 (SURFACE MOUNTED)			RETURN AND EXHAUST CEILING REGISTER MODEL 30 (45-L) WITH 24x24 MODULE FOR T-BAR CEILING (45° DEFLECTION AND 1/2" SPACING)		
CFM RANGE	NECK SIZE	DIFFUSER SIZE	NECK VELOCITY	NC	
0 - 100	6"Ø	12-3/4"Ø	>500	<20	
101 - 150	8"Ø	18-1/2"Ø	>500	<20	
151 - 250	10"Ø	24-1/4"Ø	>500	<20	
251 - 375	12"Ø	24-1/4"Ø	>500	<20	
376 - 600	15"Ø	35-1/2"Ø	>500	<20	
601 - 875	18"Ø	35-1/2"Ø	>500	<20	
876 - 1200	21"Ø	46-1/4"Ø	>500	<20	
1201 - 1550	24"Ø	46-1/4"Ø	>500	<20	
NOTES: 1. PROVIDE ROUND TO SQUARE ADAPTORS (IF REQUIRED). 2. PROVIDE CEILING REGISTERS WITH FILLER PANELS AS NEEDED. 3. PROVIDE WITH VOLUME DAMPERS.			NOTES: 1. PROVIDE ROUND TO SQUARE ADAPTORS (IF REQUIRED). 2. PROVIDE CEILING REGISTERS WITH FILLER PANELS AS NEEDED. 3. PROVIDE WITH VOLUME DAMPERS.		

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Prepared Under the Supervision of: KEVIN O'BRIEN C23472 PLOT DATE _____				



1 MECHANICAL DEMOLITION PLAN
1/4" = 1'-0"



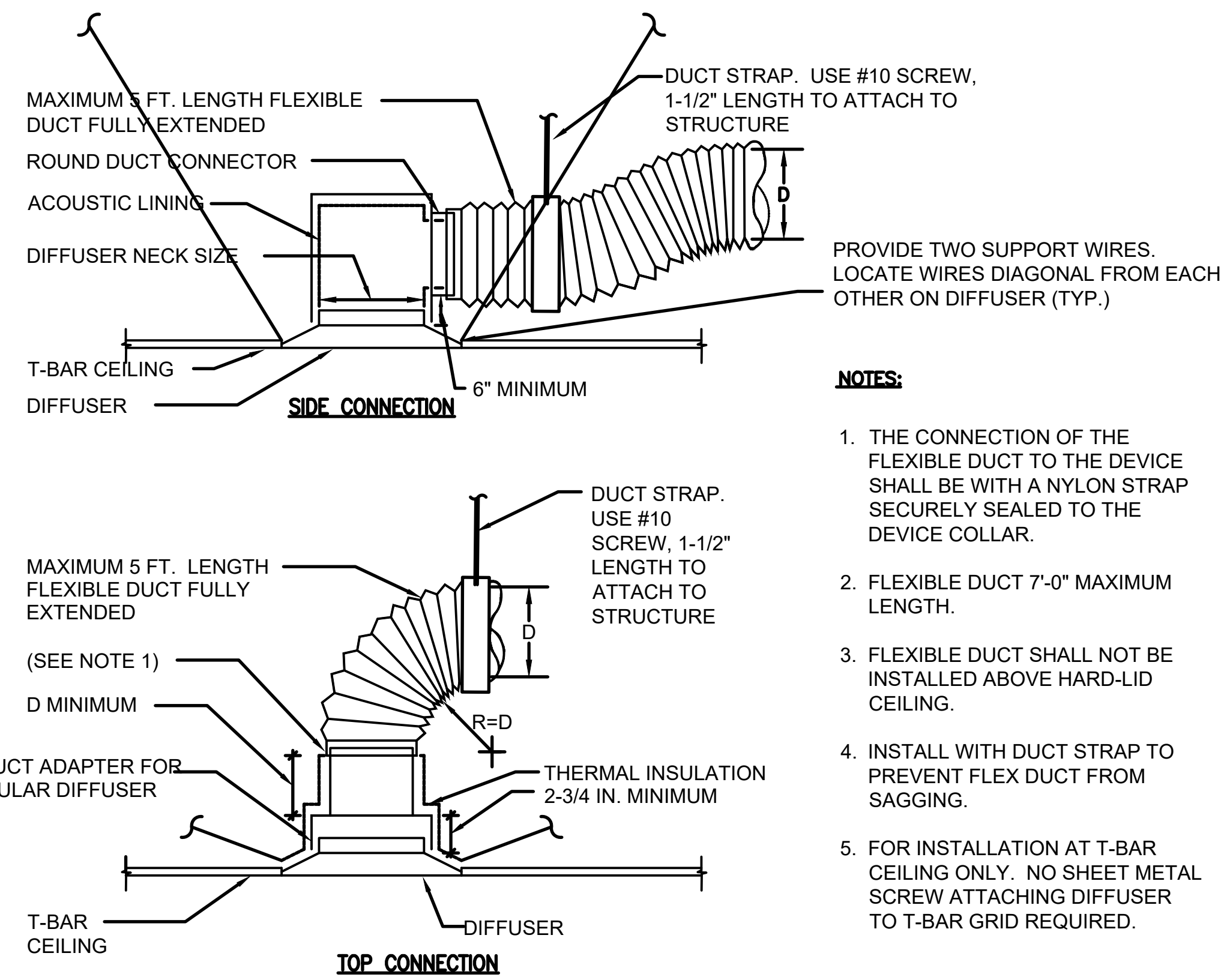
2 MECHANICAL NEW FLOOR PLAN
1/4" = 1'-0"

- ### GENERAL NOTES
1. ALL EXISTING DUCTWORK AND EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DUCTWORK PRIOR TO DEMOLITION AND NOTE ANY DISCREPANCIES.
 3. CONTRACTOR SHALL TEST AND BALANCE ALL REGISTERS TO NEW CFM'S AS INDICATED ON THE NEW FLOOR PLANS.
 4. CONTRACTOR SHALL PATCH AND REPAIR ALL DUCT AT POINT OF DISCONNECTS

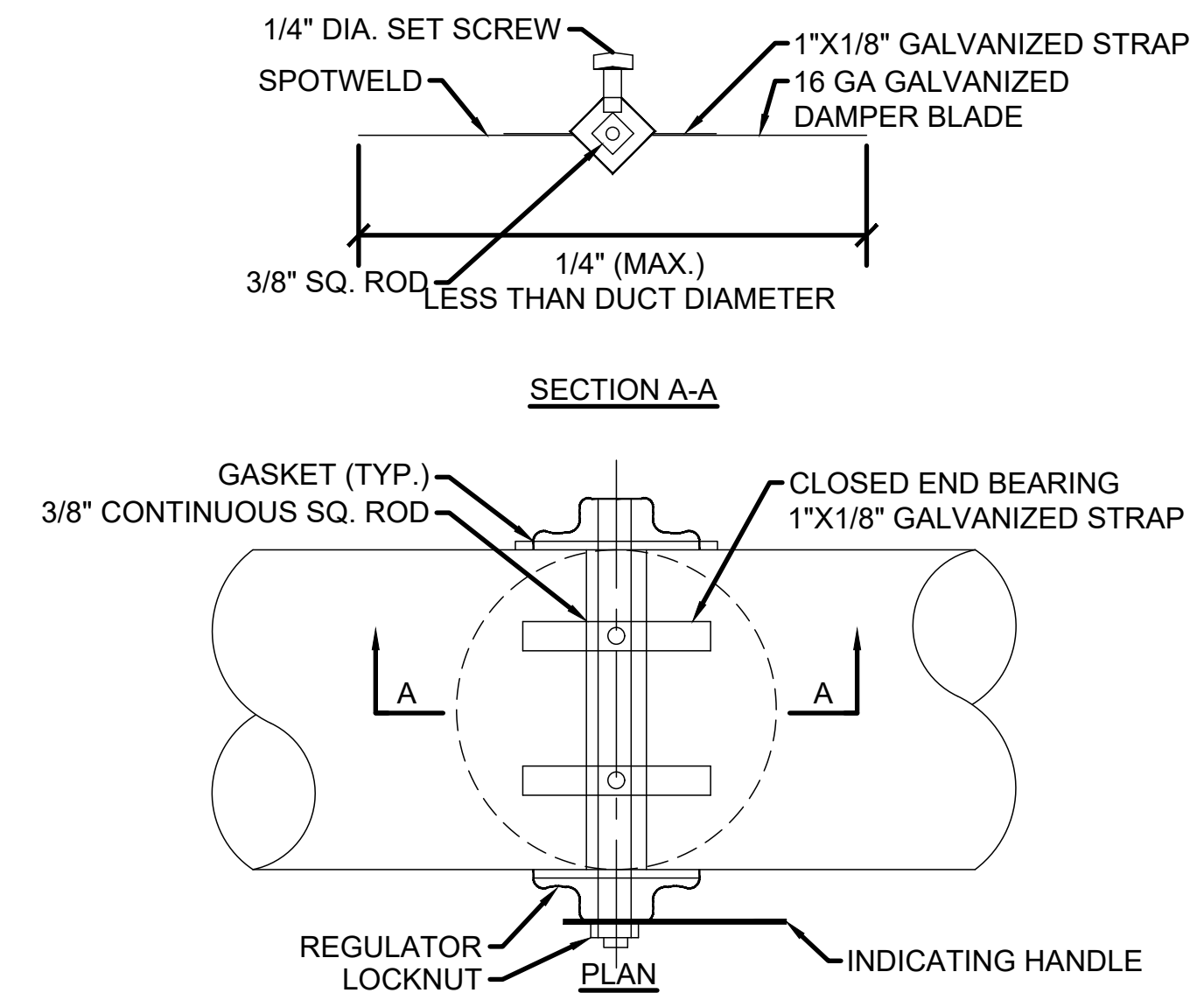
- ### DEMOLITION KEYNOTES
- ◆ A REMOVE EXISTING 24"X24" SUPPLY DIFFUSER WITH ALL RELATED ACCESSORIES
 - ◆ B REMOVE EXISTING 24"X24" PERFORATED RETURN GRILLE WITH ALL RELATED ACCESSORIES
 - ◆ C REMOVE EXISTING DUCTWORK AT POINT OF DISCONNECT.
 - ◆ D EXISTING DUCTWORK TO REMAIN.
 - ◆ E REMOVE AND RELOCATE THE EXISTING THERMOSTAT WITH ALL RELATED ACCESSORIES.

- ### CONSTRUCTION KEYNOTES
- ① PROVIDE 24"X24" SUPPLY CEILING DIFFUSER (4 WAY) WITH 12"Ø NECK SIZE.
 - ② PROVIDE 24"X24" RETURN CEILING REGISTER.
 - ③ PROVIDE 24"X24" SUPPLY CEILING DIFFUSER (4 WAY) WITH 8"Ø NECK SIZE.
 - ④ CONNECT NEW DUCT WITH EXISTING DUCTWORK FROM POINT OF CONNECTION.
 - ⑤ RELOCATED THERMOSTAT
 - ⑥ PROVIDE ACOUSTIC SEALANT AT PENETRATION.

Consultant Budlong An MBE/ISBE/DBE/ESBE Firm Glendale/Downtown LA/Camarillo W W W . B U D L O N G . C O M	Registration Kevin O'Brien	 La Cañada Design Group Architecture Planning Interiors 630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com Prepared Under the Supervision of: KEVIN O'BRIEN C23472	engineering division	CITY OF 						
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- NOTES:**
1. THE CONNECTION OF THE FLEXIBLE DUCT TO THE DEVICE SHALL BE WITH A NYLON STRAP SECURELY SEALED TO THE DEVICE COLLAR.
 2. FLEXIBLE DUCT 7'-0" MAXIMUM LENGTH.
 3. FLEXIBLE DUCT SHALL NOT BE INSTALLED ABOVE HARD-LID CEILING.
 4. INSTALL WITH DUCT STRAP TO PREVENT FLEX DUCT FROM SAGGING.
 5. FOR INSTALLATION AT T-BAR CEILING ONLY. NO SHEET METAL SCREW ATTACHING DIFFUSER TO T-BAR GRID REQUIRED.



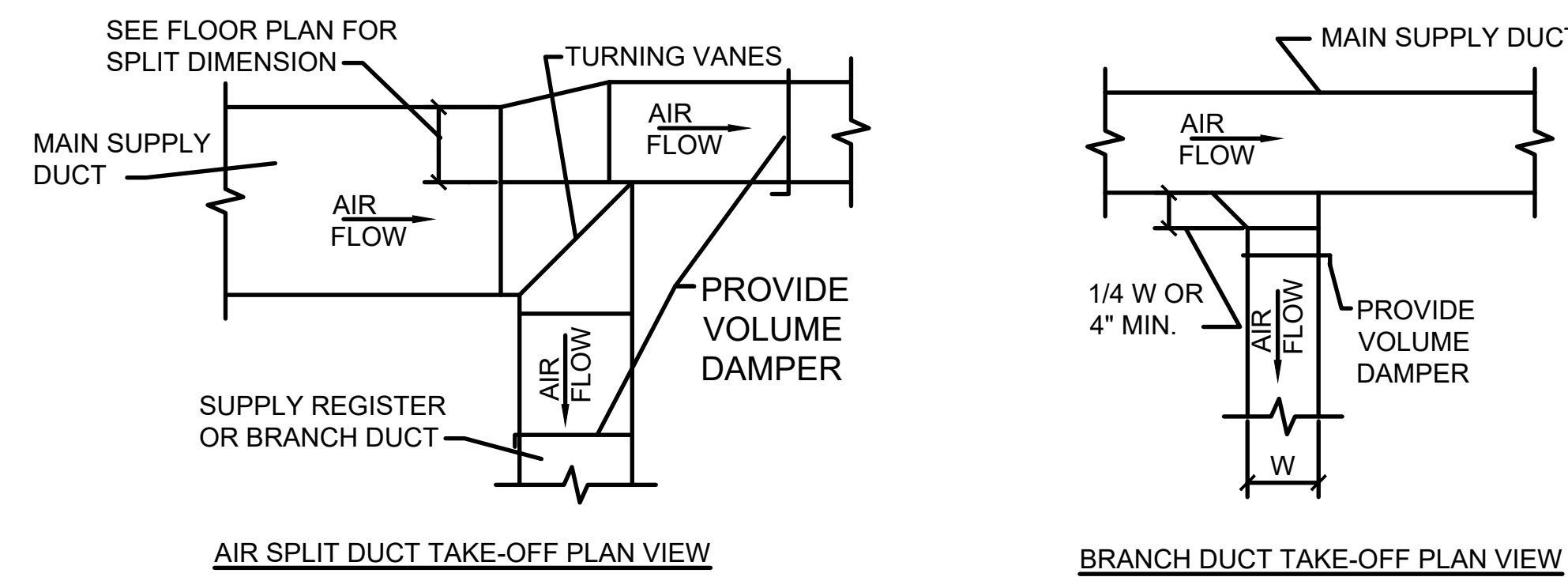
- NOTES:**
1. LOCK DAMPER DURING AIR BALANCE AND MARK QUADRANT TO RECORD AIR BALANCED DAMPER POSITION.
 2. PROVIDE "HAT" SECTION AT QUADRANT FOR ALL EXTERNALLY INSULATED DUCTWORK.
 3. PROVIDE FLUORESCENT COLORED MARKERS AT ALL VOLUME DAMPERS LOCATIONS.

DIFFUSER FLEXIBLE CONNECTION DIAGRAM

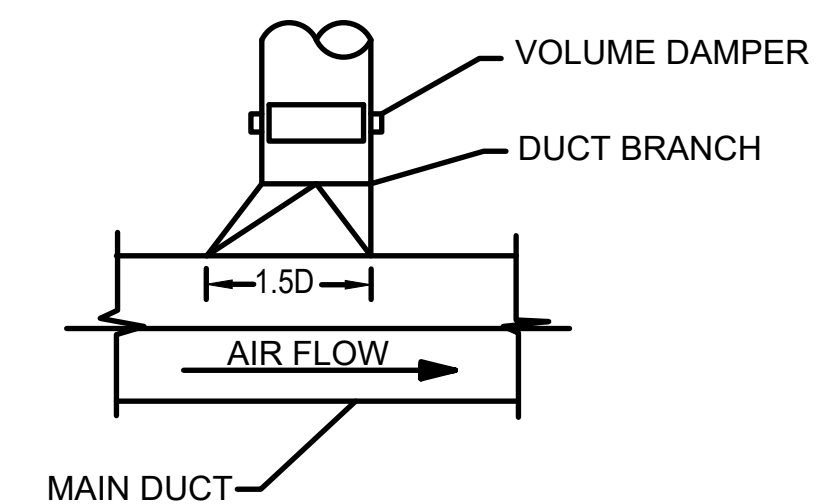
NOT TO SCALE 1

ROUND VOLUME DAMPER UPTO 14" DIAMETER

NOT TO SCALE 2



1. THE SUPPLY REGISTER TAKE-OFF MAY BE USED FOR UP TO 25% OF THE MAIN DUCT CFM. THE BRANCH DUCT TAKE-OFF MAY BE USED FOR UP TO 15% OF THE MAIN DUCT CFM ANYTIME AND UP TO 40% WHEN THE MAIN DUCT VELOCITY IS 1000 FPM [5.1 M/S] OR LESS. THE AIR SPLIT DUCT TAKE-OFF SHALL BE USED IN ALL OTHER CASES AND MAY BE USED AT ANYTIME.
2. PROVIDE VOLUME DAMPERS IN ALL DUCT BRANCHES.



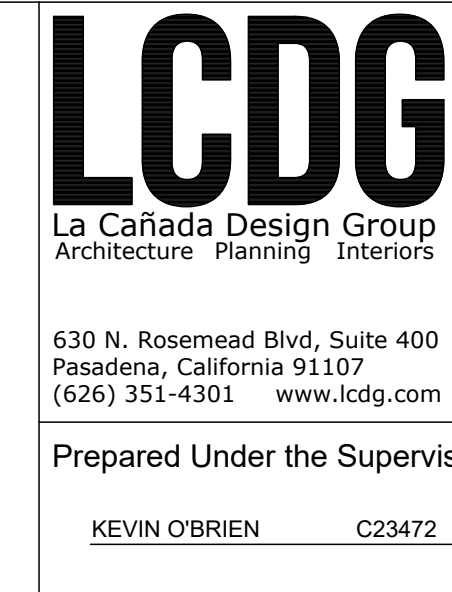
NOTE:
BRANCH CONNECTION FOR BRANCHES LESS THAN 25% OF THE TOTAL AIR FLOW.

SUPPLY DUCTWORK TAKE-OFFS

NOT TO SCALE 3

ROUND DUCT BRANCH CONNECTION DETAIL

NOT TO SCALE 4



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KEVIN O'BRIEN C23472

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CITY OF **NORWALK**

TITLE: MECHANICAL DETAILS
NORWALK TRANSIT SYSTEM
OPERATIONS DEPARTMENT RECONFIGURATION

Approved: RCE 57908

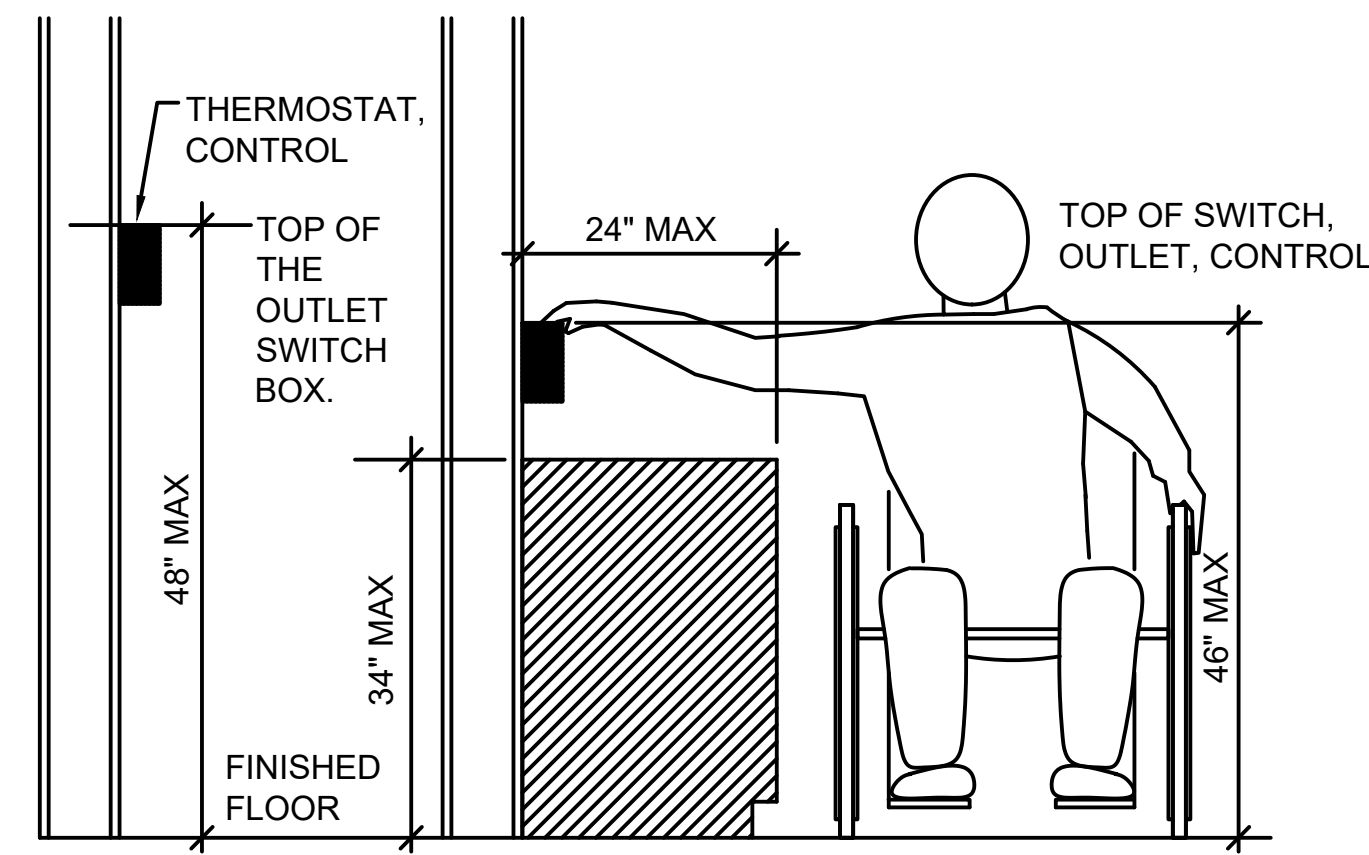
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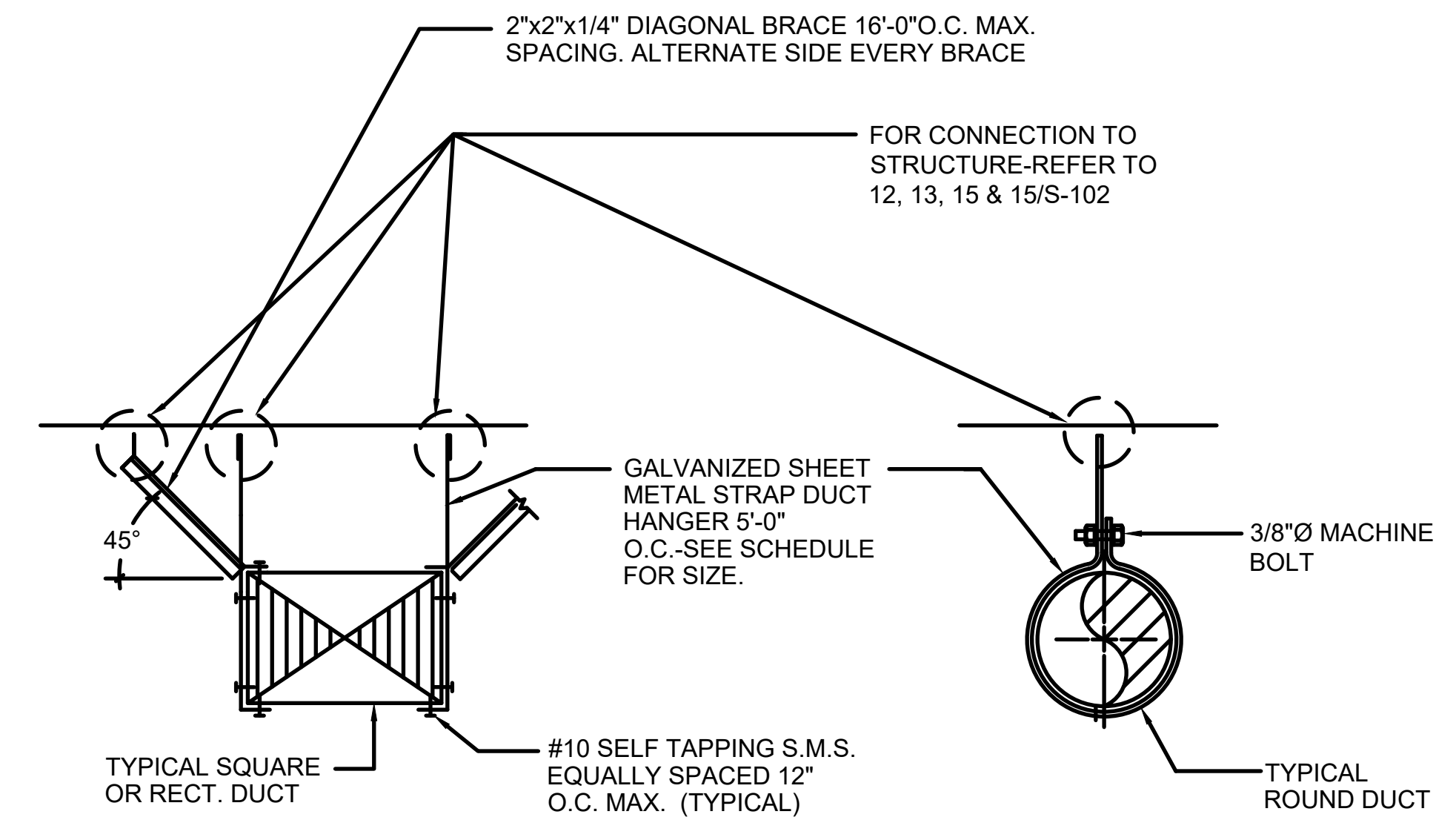
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THERMOSTAT MOUNTING DETAIL

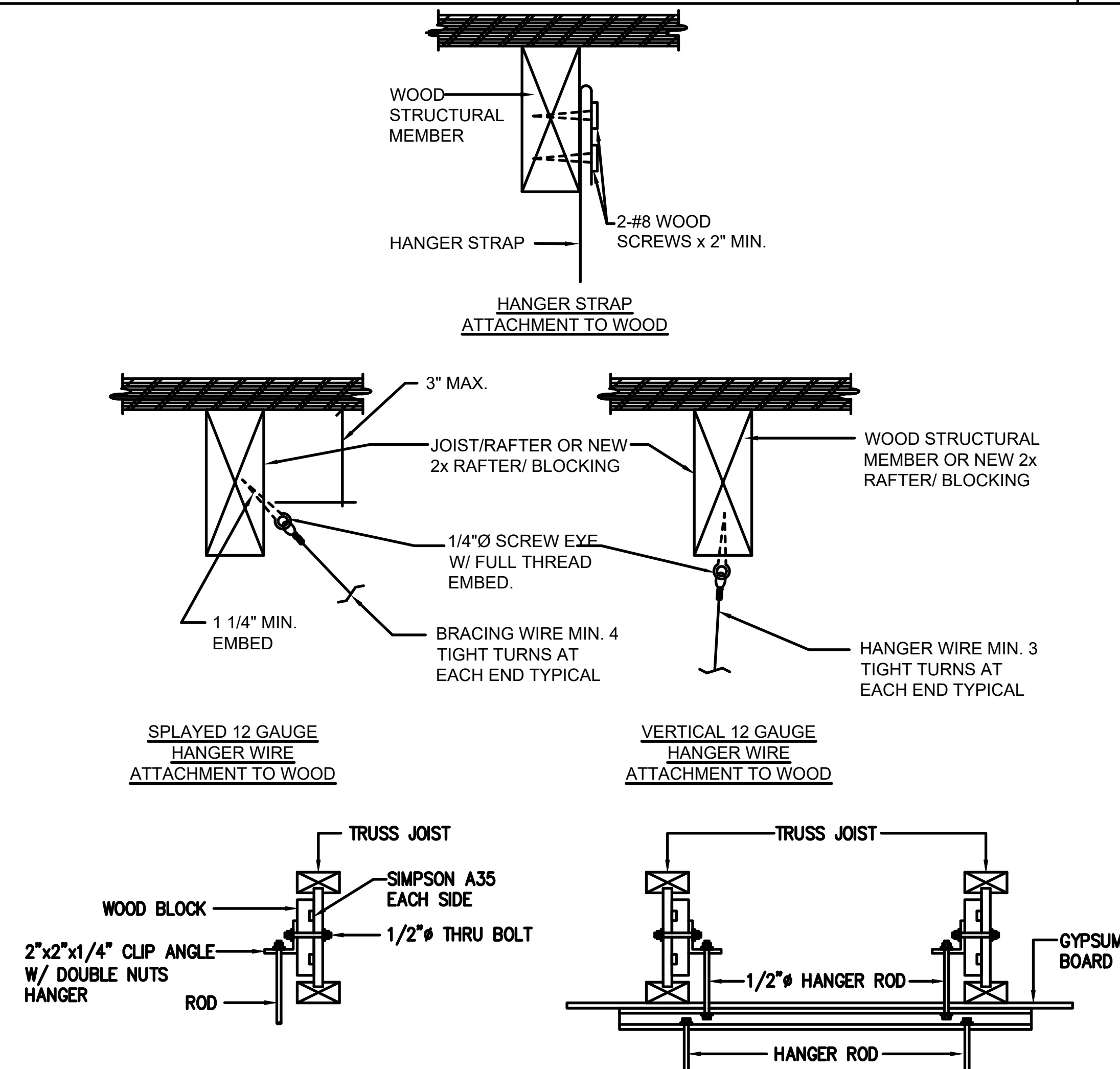
NOT TO SCALE 1



RECTANGULAR DUCT			ROUND DUCT		
MAX. OF DUCT PERIMETER/IN.	STRAP	MAX. LOAD EACH HANGER/LBS.	DIAMETER /INCHES	STRAP	MAX. LOAD EACH HANGER/LBS.
P/2 =72	1\"X 20 GA.	20	UP TO 20\"	1\"X 20 GA.	20
P/2 =96	1\"X 18 GA.	30	21\" TO 36\"	1\"X 18 GA.	30

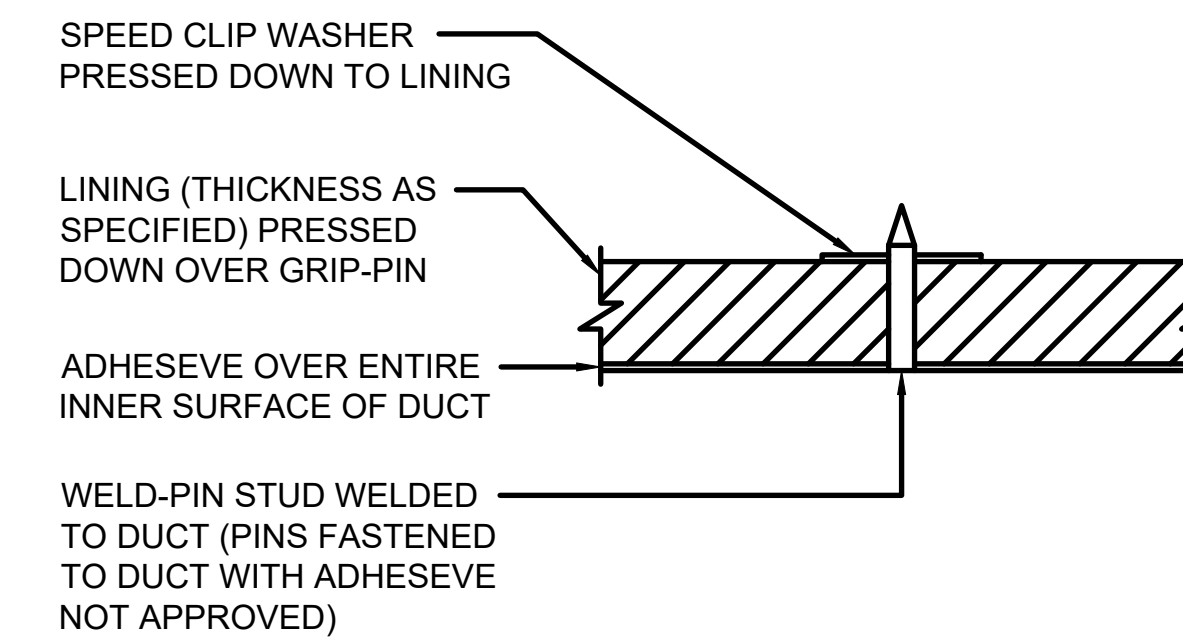
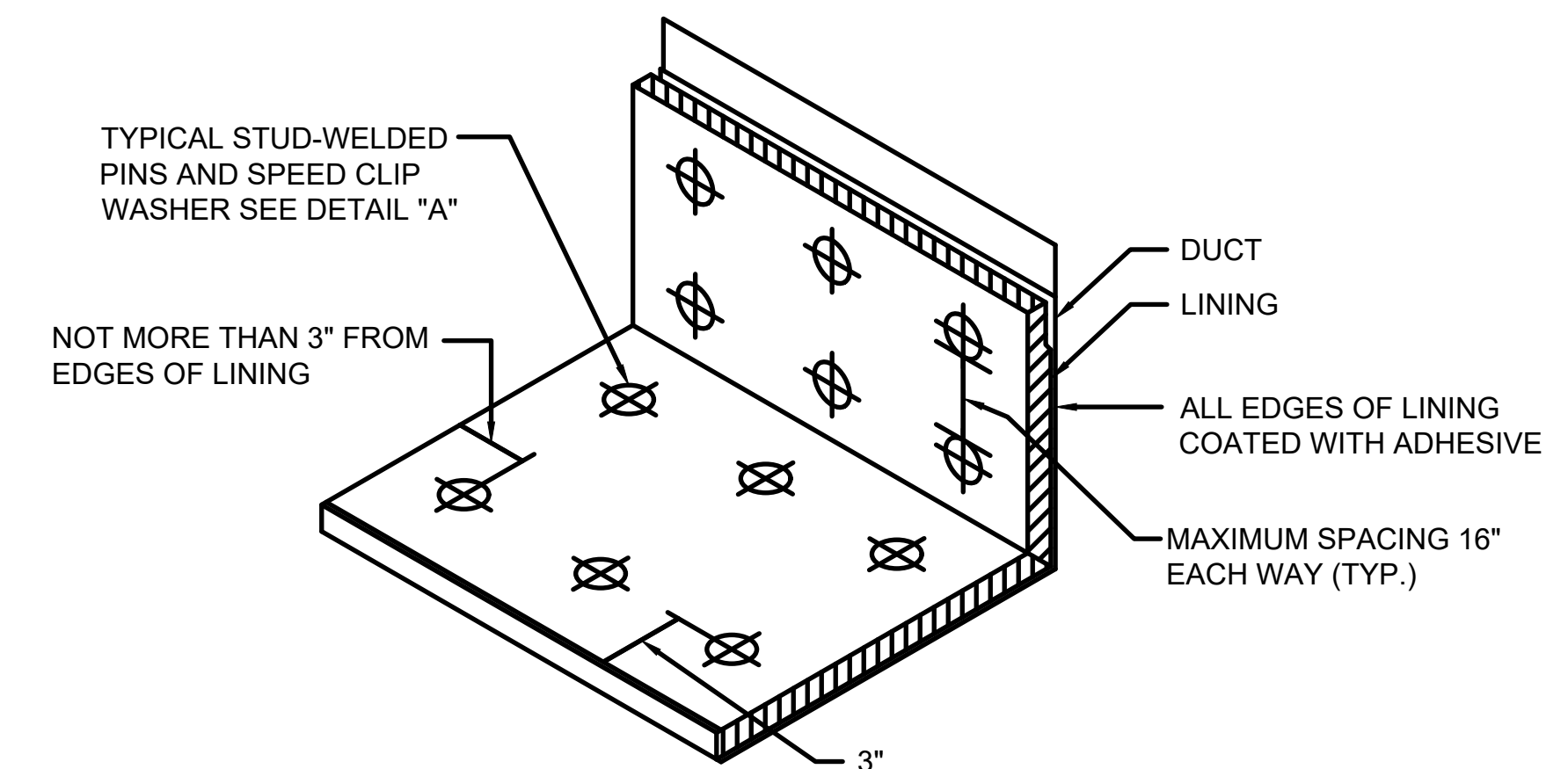
DUCT SUPPORT DETAIL

NOT TO SCALE 2



CONNECTION TO UPPER STRUCTURE

NOT TO SCALE 3



- NOTES:
- FOR NOSING AT DAMPERS, TURNING VANES, ACCESS DOORS AND EQUIPMENT, SEE ACOUSTIC LINING NOSING DETAIL.
 - LINING EDGES AT TRANSVERSES AND LONGITUDINAL JOINTS SHALL BE COATED AS SPECIFIED.
 - EXPOSED ENTERING AND TRAILING EDGES SIMILAR TO ACCESS DOOR DETAIL. SEE ACOUSTIC LINING NOSING DETAIL.
 - NOT LESS THAN TWO PINS ON EACH FACE OF DUCT.
 - PROVIDE 1\"/>

ACOUSTIC LINING INSTALLATION

NOT TO SCALE 4

Consultant

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W W W . B U D L O N G . C O M

Registration

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PLAN	REF

CITY OF **NORWALK**

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NORWALK TRANSIT SYSTEM
OPERATIONS DEPARTMENT RECONFIGURATION

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DRAWING NO. **M-3.11**
SHEET _____ OF _____

2.05 INSULATION AND LINING

A. MATERIALS:

1. INSULATION, JACKETS, FACINGS, ADHESIVES, COATINGS, AND ACCESSORIES FIRE HAZARD RATING BY UNDERWRITERS LABORATORIES, INC. STEINER TUNNEL TEST METHOD FOR FIRE HAZARD CLASSIFICATION OF BUILDING MATERIALS, STANDARD UL 723, ASTM E-84, NFPA-225.
 - a. FLAMESPREAD: MAXIMUM 25.
 - b. FUEL CONTRIBUTED AND SMOKE DEVELOPED: MAXIMUM 50.
 - c. FLAMEPROOFING TREATMENTS SUBJECT TO DETERIORATION DUE TO MOISTURE OR HUMIDITY
 - b. NOISE CONTROL:
1. UNLESS OTHERWISE NOTED, ALL ROOM NC LEVELS SHALL BE 20 OR LESS. B. DUCTS LINED AS REQUIRED.
2. ALL INSULATION APPLIED ACCORDING TO MANUFACTURER'S PUBLISHED RECOMMENDATIONS.
3. INSULATE ALL EXISTING AND NEW DUCTWORK AND EQUIPMENT, EXCEPT AS FOLLOWS:
 - a. RETURN AIR DUCTS IN CONDITIONED SPACES AND EXHAUST AIR DUCTS, EXCEPT WHERE INDICATED.
 - b. WHERE SOUND LINING IS OF MINIMUM THICKNESS SPECIFIED FOR INSULATION.

B. TYPE OF INSULATION:

1. DUCT LINING: 1-INCH THICK, 1½ LB. DENSITY COATED ON AIR SIDE WITH A FIRE RESISTANT BLACK NEOPRENE COATING. MANVILLE LINACOUSTIC. FOR THE FOLLOWING DUCTWORK:
 - a. ALL DUCTWORK WITHIN MECHANICAL ROOMS AND NOT LESS THAN 25 FEET FROM FAN FOR SUPPLY AND 20 FEET FROM FAN FOR RETURN DUCTWORK.
 - b. AIR TRANSFER DUCTS.
 - c. MINIMUM 2 INCHES THICK FOR ALL MIXED AIR PLENUMS, EXCEPT WHERE MOISTURE CARRY-OVER FROM OUTDOOR AIR LOUVER WILL OCCUR.
 - d. WHERE DUCT LINING IS SPECIFIED.
2. MINIMUM INSULATION PROVIDED SHALL BE AS REQUIRED BY THE CURRENT CALIFORNIA ADMINISTRATIVE CODE TITLE 24 FOR THE MOST RESTRICTIVE CONDITION.

TESTING, ADJUSTING AND BALANCING FOR HVAC

1. OVERVIEW

- A. PURPOSE: PREFERENCES AND REQUIREMENTS ARE INDICATED IN THIS DOCUMENT.
- B. FOR OTHER RELATED REQUIREMENTS, REFER TO COMMISSIONING STANDARD GUIDELINES SEPARATE OF THIS DOCUMENT.
- C. THE FOLLOWING TABLE SUMMARIZES THE TYPES OF PARTICULAR REQUIREMENTS IDENTIFIED WITHIN THIS SECTION:

REQUIREMENTS LISTED	PREFERENCES LISTED	DISALLOWED ITEMS LISTED	ITEMS REQUIRING COMMISSIONING/
X	X	X	X

2. PROCEDURAL REQUIREMENTS

- A. DESIGN CONSIDERATIONS SPECIFIC TO COMPONENTS IN THIS SECTION:
1. REQUIRED:
 - a) SUBMIT THE ENGINEER'S TEST & AIR BALANCE SPECIFICATION FOR REVIEW TO THE ARCHITECT/ENGINEER AT 100% DD WITH PROPOSED PROCEDURES FOR ALL CENTRAL HVAC SYSTEMS AS A MEANS OF QUALIFYING PROPOSED CONTRACTORS AND CONFIRMING EXTENT AND APPROPRIATENESS OF SERVICES TO BE PROVIDED.
 - b) THE TAB CONTRACTOR SHALL BE A SUB-CONTRACTOR TO THE GENERAL CONTRACTOR AND SHALL MAINTAIN A LIST OF DEFICIENCIES FOR THE GENERAL CONTRACTOR, WITH REVIEW BY OWNER'S REPRESENTATIVE ON DEMAND.
 - c) THE MECHANICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE TAB CONTRACTOR AND CORRECT ANY SYSTEM DEFICIENCY IDENTIFIED WITH THE GENERAL CONTRACTOR'S TAB AGENT.
 - d) THE PROCEDURE AND RESULTS FOR ITEMS IN THIS SECTION ARE TO BE RETAINED BY THE MECHANICAL CONTRACTOR FOR DELIVERY TO THE OWNER/DESIGN CONSULTANT ON REQUEST.
 - e) TAB AGENT SHALL SUBMIT A PRE-WORK SET OF TAB FORMS FILLED IN WITH ALL DESIGN DATA FOR SYSTEMS TO BE TESTED.
 - f) TESTING PROCEDURES, AS OUTLINED WITHIN INITIAL TAB CONTRACTOR SUBMITTAL, SHALL BE SPECIFIC TO SYSTEM

AND DISTRIBUTION TYPES, AS APPLICABLE TO INDIVIDUAL PROJECT DESIGN. REFERENCES TO GENERIC PROCEDURES AND SYSTEMS THAT DO NOT APPLY SHALL BE REMOVED, AND ANY NON-TRADITIONAL PROCEDURES HIGHLIGHTED FOR SUBSEQUENT REVIEW AND APPROVAL.

2. PREFERRED: NO PREFERENCES
 3. DISALLOWED:
 - g) THE TAB CONTRACTOR SHALL NOT BE A SUB-CONTRACTOR TO THE MECHANICAL CONTRACTOR.
- B. QUALITY ASSURANCE REQUIREMENTS BEYOND STANDARD 1 YEAR WARRANTY: AABC CERTIFICATE OF GUARANTEE.

1. PRODUCT REQUIREMENTS

A. TAB:

1. MANUFACTURERS:
 - a) REQUIRED:
 - 1) ONLY AABC CERTIFIED TESTING, ADJUSTING AND BALANCING AGENCIES ARE ALLOWED.
 - b) PREFERRED:
 - 1) AMERICAN AIR BALANCE
 - 2) APPROVED EQUAL
 - c) DISALLOWED: NONE
2. COMPONENT CHARACTERISTICS:
 - a) REQUIRED: NO REQUIREMENTS
 - b) PREFERRED: NO PREFERENCES
 - c) DISALLOWED: NONE
3. INSTALLATION REQUIREMENTS
 - A. REQUIRED:
 1. BALANCE AIR FLOWS TO THE FOLLOWING TOLERANCES:

SYSTEM	TOLERANCE	COMMENTS
SUPPLY DIFFUSER THAT RETURN	0 TO +10% OF +/- 5% OF DESIGN	DESIGN DOCUMENT INTENDED ROOM
EXHAUST	0 TO -10% OF DESIGN	PRESSURIZATION WITH REGARD TO ADJACENT SPACES HAS BEEN ACHIEVED.




2. BALANCE WATER FLOWS TO THE FOLLOWING TOLERANCES:

SYSTEM	TOLERANCE	COMMENTS
PUMPS	0 TO +10% OF DESIGN	
EQUIPMENT	0 TO 5% OF DESIGN	

3. PROVIDE ROOM NC LEVEL TESTING TO CONFIRM HVAC NOISE LEVELS ARE WITHIN REQUIREMENTS.

5. EVALUATION OR COMMISSIONING

- A. LIST OF ITEMS OR SYSTEMS REQUIRING TESTING, EVALUATION, VERIFICATION, OR COMMISSIONING: NONE.
- B. DOCUMENTATION REQUIRED:
 1. 75%, 95%, 100% TESTING ADJUSTING AND BALANCING REPORTS.
 2. CONTINUOUS SYSTEM DEFICIENCY REPORT ON SITE.
 3. IN-PERSON WITNESSING: PROVIDE RANDOM SAMPLING OF THE FOLLOWING ITEMS AS WITNESSED BY THE OWNER'S REPRESENTATIVE:
 - a) 10% OF DIFFUSERS OR GRILLES

Consultant  Budlong <small>An MBE/ISBE/DBE/LSBE Firm Glendale/Downtown LA/Camarillo W W W . S U B L O N G . C O M</small>	Registration 	 La Cañada Design Group Architecture Planning Interiors 630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com	engineering division	CITY OF NORWALK TITLE: MECHANICAL SPECIFICATIONS NORWALK TRANSIT SYSTEM OPERATIONS DEPARTMENT RECONFIGURATION								
Prepared Under the Supervision of: KEVIN O'BRIEN C23472 PLOT DATE _____			REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>CODE</th> <th>UPDATE</th> </tr> </thead> <tbody> <tr> <td>3/12/24</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DATE	BY	CODE	UPDATE	3/12/24			
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Approved _____ CITY ENGINEER RCE 57908 DATE _____			PROJECT NO. _____ DRAWING NO. M-3.13 SHEET _____ OF _____									
Drawn By _____			Checked By _____									

GENERAL NOTES

- CONSULT WITH THE OAR BEFORE STARTING WORK.
- ALL EXPOSED CONDUITS, SUPPORTS AND JUNCTION BOXES SHALL BE PAINTED TO MATCH THE PREDOMINANT COLOR OF THE BUILDING, AS APPROVED BY OAR AND ENGINEER OF RECORD, EXCEPT WIREMOLD.
- WIREMOLD SHALL BE WITH THE FACTORY FINISH MOST CLOSELY MATCHING THE COLOR OF WALL ON WHICH WIREMOLD IS TO BE INSTALLED. DO NOT PAINT WIREMOLD.
- COORDINATE THE ELECTRICAL WORK WITH THE WORK OF OTHER TRADES.
- WHERE STRUCTURAL WALLS ARE CORED FOR NEW CONDUIT RUNS, SEPARATION BETWEEN CORED HOLES SHALL BE THREE INCHES FROM NEW HOLES, UNLESS DIRECTED OTHERWISE BY THE OAR. PROVIDE X-RAY TO PROTECT REBAR. STRUCTURAL ENGINEER APPROVAL IS REQUIRED FOR REBAR CUTTING OR REMOVAL.
- ALL FEEDERS AND BRANCH CIRCUITS SHALL CARRY A GROUND WIRE, SIZED AS PER CEC/NEC. ARTICLE 250.
- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
- PRIOR TO PULLING ANY CONDUCTORS, CLEAN AND MANDREL ALL UNDERGROUND CONDUITS.
- CONTRACTOR SHALL INSTALL EQUIPMENT PER ADA (AMERICAN DISABILITIES ACT) REQUIREMENTS.
- COORDINATION:
A. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONSTRUCTION DOCUMENTS, THE FEATURES SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN.
- ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDUITS SHALL BE VERIFIED ON THE SITE BY GENERAL CONTRACTOR, AND EACH SUB-CONTRACTOR BEFORE THE WORK BEGINS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE OAR'S ATTENTION BEFORE CONSTRUCTION BEGINS.
- THE ENGINEER HAS PREPARED THESE DOCUMENTS ONLY FOR IMPROVEMENTS SPECIFIED, DETAILED OR SHOWN AS NEW WORK, AND ASSUMES NO RESPONSIBILITY FOR OTHER CONSTRUCTION, MATERIAL OR EQUIPMENT NOTED AS "PROVIDED BY OTHERS".
- PROVIDE NYLON PULL CORD OR STRINGS IN ALL EMPTY CONDUITS.
- ALL JUNCTION BOX COVER PLATES FOR BRANCH CIRCUIT SYSTEM SHALL BE CLEARLY MARKED WITH PERMANENT INK FELT PEN IDENTIFYING THE BRANCH CIRCUIT (BOTH PANEL NUMBER AND CIRCUIT NUMBER) CONTAINED IN THE BOX.
- THE CONTRACTOR SHALL MAINTAIN THE UNIFORMITY AND CONTINUITY OF THE GROUNDING SYSTEM IN ALL CONDUITS/RACEWAYS.
- TEST THE ENTIRE SYSTEM TO DEMONSTRATE TO THE IOR THAT THE ELECTRICAL COMPONENTS AND SPECIAL SYSTEMS ARE COMPLETE AND FUNCTION PROPERLY. MAKE NECESSARY CORRECTIONS AND LEAVE SYSTEMS READY FOR OPERATION.
- EXPOSED CONDUITS SHALL BE INSTALLED ALONG MECHANICAL PIPES. INSIDE BUILDING THE EXPOSED CONDUITS UP TO 7'-0" SHALL BE RIGID STEEL AND ABOVE 7'-0" MAY BE EMT. ALL EXPOSED EXTERIOR CONDUITS SHALL BE RIGID STEEL. THREADLESS CONNECTORS & COUPLINGS SHALL NOT BE USED. CONDUIT LARGER THAN 1 1/4" SHALL BE GALVANIZED RIGID CONDUIT. ALL EXPOSED CONDUITS, RACEWAYS, AND BOXES SHALL BE PAINTED TO MATCH THE SURFACE WHERE INSTALLED.
- DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND THE SIZE AND LOCATION OF EQUIPMENT IS INDICATED TO SCALE WHENEVER POSSIBLE. COORDINATE LOCATION AND LAYOUT WITH OTHER WORK. CONTRACTOR SHALL PROVIDE TO THE ENGINEER A 1/2"=1'-0" SCALED DRAWING OF ELECTRICAL EQUIPMENT ROOMS SHOWING LOCATION AND CLEARANCES OF SUBMITTED EQUIPMENT FOR REVIEW AND APPROVAL PRIOR TO ORDERING OF ELECTRICAL EQUIPMENT.
- PROVIDE APPROVED FIRESTOPPED CONDUIT PENETRATIONS THRU 1HR OR 2HR WALL PER CEC 300-21, "OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT-RATED WALLS, PARTITIONS, FLOORS, CEILINGS SHALL BE FIRESTOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING."
- ALL OUTLETS SHALL BE OFFSET BY A MINIMUM OF 24".
- ALL CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER, TYPE THWN/THHN, RATED FOR 75°C. SIZES #12 AWG MAY BE SOLID, #10 AND LARGER SHALL BE STRANDED. PROVIDE 75°C RATED AND APPROVED TERMINATION FOR ALL CONDUCTORS.
- ALL ELECTRICAL WORK SHALL BE PER THE APPLICABLE CEC/NEC AND APPLICABLE CODES. CONTRACTOR SHALL INCLUDE IN HIS BID ALL REQUIRED LABOR, MATERIAL, EXPERTISE AND QUALIFIED PERSONNEL TO COMPLETELY INSTALL IN A CODE COMPLIANT MANNER, ALL WORK SHOWN ON THE PLANS.
- WHEN THERE ARE DISCREPANCIES BETWEEN CONTRACT DOCUMENTS OBTAIN CLARIFICATION FROM THE ENGINEER PRIOR TO BID. FOR BIDDING PURPOSES THE MORE STRINGENT OR MORE EXPENSIVE REQUIREMENT(S) SHALL APPLY.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS SUBMIT A REQUEST FOR CLARIFICATION FROM WHEN THERE IS A DEVIATION FROM OWNER'S SPECS AND APPLICABLE CODES.
- ANY SUBMITTALS FOR EQUIPMENT DIFFERENT FROM THE SPECIFIED ITEMS SHOWN ON THE PLANS SHALL BE ACCOMPANIED BY CUT SHEETS FOR THE ORIGINAL SPECIFIED ITEM(S). SUBMITTALS WITHOUT THE SPECIFIED CUT SHEETS WILL BE REJECTED AS INCOMPLETE. SUBMITTALS INCLUDING EQUIPMENT DIFFERENT FROM THE SPECIFIED ITEMS SHALL ALSO INCLUDE A DEVIATION REQUEST FOR OWNER'S APPROVAL.

- CONDUIT INSTALLED BELOW EXISTING SLAB-ON-GRADE SHALL BE LOCATED BELOW BOTTOM OF EXISTING SLAB.
- "PROVIDE" SHALL BE DEFINED AS: FURNISH AND INSTALL.
- ALL MATERIALS, EQUIPMENT, CONDUIT AND WIRING SHALL BE NEW AND PROVIDED BY THE CONTRACTOR. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
- WIRING FOR ALL LOW VOLTAGE SYSTEMS SHALL BE ENCLOSED IN CONDUIT AND/OR RACEWAY.
- ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED AND VERIFIED ON THE SITE BY THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR BEFORE THE WORK BEGINS. ALL PERCEIVED ERRORS, OMISSIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE CONSTRUCTION BEGINS.
- ALL RACEWAYS INSIDE OF BUILDING SHALL BE CONCEALED. INCLUDE ALL REQUIRED DEMOLITION, CUTTING, PATCHING AND FINISH TO MATCH EXISTING INSTALLATION AS REQUIRED TO INSTALL NEW CONDUIT AND RACEWAYS IN EXISTING BUILDING.
- ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED FLOOR SLABS, SHAFTS AND WALLS SHALL BE SEALED AGAINST THE SPREAD OF FIRE OR SMOKE WITH APPROVED CABLE & CONDUIT FIRE STOPS OR FIRE RESISTANT SEALANT TO GIVE THE EQUIVALENT FIRE RATING OF THE STRUCTURE BEFORE THE PENETRATION. ALL OTHER NON-RATED PENETRATIONS OF STRUCTURES SHALL BE SEALED.
- EXPOSED AND CONDUITS ABOVE T-BAR CEILINGS SHALL BE INSTALLED PARALLEL TO OR AT RIGHT ANGLES TO EXISTING BEAMS OR WALLS. EXPOSED CONDUITS UP TO 7'-0" ABOVE FINISH FLOOR SHALL BE RIGID GALVANIZED STEEL AND ABOVE 7'-0" MAY BE EMT.
- PROVIDE ELECTRICAL PANELS WITH TYPEWRITTEN "AS-BUILT" PANEL SCHEDULE. PANEL SCHEDULE SHALL INCLUDE LOCATION, QUANTITY AND TYPE OF DEVICES SERVED.
- SUPPORT CONDUIT 2-1/2 INCH TRADE SIZE OR SMALLER WITH U.L. LISTED CLAMPS.
- THE EXISTING INFORMATION PRESENTED ON THIS DRAWINGS IS BASED ON AS-BUILTS INFORMATION AVAILABLE. CONTRACTOR SHALL VERIFY THIS INFORMATION PRIOR TO COMMENCING WORK.

CONDUCTOR/CABLE TYPES

- CONDUIT, CONCEALED ABOVE CEILING OR IN WALL IN FINISHED AREAS.
- CONDUIT, EXPOSED WHEN ON ROOF.
- LOW VOLTAGE WIRING INSIDE WIREMOLD 700 WHEN SHOWN INSIDE BUILDINGS AND 3/4" CONDUIT WHEN LOCATED OUTSIDE.
- HOMERUN TO PANEL "A". CIRCUITS 1,3,5, CROSS LINES INDICATE NUMBER OF #12 (2 WIRES MIN) IN ADDITION TO #12 GREEN GROUND IN 3/4" C U.O.N.
- HOME RUN TO PANEL "A". CIRCUIT 5 WITH 2 #10 AND #12 GND.
- CONDUIT: IN OR BELOW FLOOR OR BELOW GRADE. SIZE & NUMBER OF CONDUCTORS AS NOTED.
- CONDUIT SYSTEM RISER UP.
- CONDUIT SYSTEM RISER DOWN.
- 3/4"C, 2 #12 & 1 # 12 GROUND U.O.N.
- 3/4"C, 3 #12 & 1 #12 GRND.
- 3/4"C, 4 #12 & 1 #12 GRND.
- 3/4"C, 5 #12 & 1 #12 GRND.
- 3/4"C, 6 #12 & 1 #12 GRND.
- 3/4"C, 7 #12 & 1 #10 GRND.

SYMBOL LIST

- POWER SYSTEM**
- JUNCTION BOX: WALL MOUNTED
 - JUNCTION BOX: CEILING MOUNTED
 - DUPLEX RECEPTACLE: 125V., 20 AMP., NEMA 5-20R. +18" UNLESS OTHERWISE NOTED.
 - G.F.I. DUPLEX RECEPTACLE, 20A, 125 VOLTS, NEMA 5-20R, + 18" UNLESS NOTED. PROVIDE WP "WHILE IN USE" COVER PLATE IN EXTERIOR LOCATIONS.
 - FLOOR MOUNTED RECEPTACLE.
 - MOTOR RATED SWITCH WITH OVERLOAD PROTECTION (NUMBER OF POLES (MIN. 2) AND RATING PER THE LOAD THEY SERVE).
 - SURFACE MOUNTED PANEL BOARD
 - FLUSH MOUNTED PANEL BOARD
 - DISTRIBUTION PANEL BOARD
 - MAIN SWITCHBOARD
 - NOTE REFERENCE TAG.
 - EXISTING EQUIPMENT TO BE REMOVED PER DEMOLITION PLANS.
 - "(R)" NEXT TO DEVICE OR LIGHT FIXTURE INDICATES TO RELOCATE DEVICE.
 - "(E)" NEXT TO DEVICE OR LIGHT FIXTURE INDICATES TO RETAIN THE DEVICE.

LIGHTING CONTROL SYSTEM

- DUAL TECHNOLOGY WALL MOUNTED OCCUPANCY SENSOR (LINE VOLTAGE).
- TYPICAL MOUNTING HEIGHTS ABOVE FINISHED FLOOR (UNLESS OTHERWISE NOTED ON DRAWINGS).
- +42": LIGHT SWITCHES, DIMMER SWITCHES, FIRE ALARM PULL STATION, T-STATS, BY-PASS TIMER, WALL TELEPHONE. DETECTOR TEST PANEL, INTERCOM CALL SWITCH, SPEAKER VOLUME CONTROL, OUTLET, UNLESS OTHERWISE NOTED. (MEASURED TO TOP OF BACKBOX.)
- +18": ALL DUPLEX RECEPTACLES, WALL OUTLETS FOR DESK TELEPHONE, COMPUTER OUTLETS, UNLESS OTHERWISE NOTED (MEASURED TO CENTER OF BOX).

APPLICABLE CODES

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR):

PART 1 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
 PART 2 2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL WITH CALIFORNIA AMENDMENTS).
 PART 3 2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 C.C.R. (2020 NATIONAL ELECTRIC CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
 PART 6 2022 CALIFORNIA ENERGY CODE (CEC), TITLE 24 C.C.R.
 PART 9 2022 CALIFORNIA FIRE CODE (CFC), TITLE 24 (2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL).
 PART 10 2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL WITH CALIFORNIA AMENDMENTS).
 PART 11 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.
 PART 12 2022 CALIFORNIA REFERENCED STANDARDS, TITLE 24 C.C.R.

ELECTRICAL SCOPE OF WORK:

REPLACEMENT OF NON LED FIXTURES TO LED FIXTURES IN OFFICE SPACE AND RELOCATION OF EXISTING RECEPTACLE INCLUDING NEW LIGHTING CONTROLS AND DATA OUTLETS ON NEW WALL AND RELOCATION OF FIRE ALARM DEVICES.





ELECTRICAL SHEET INDEX

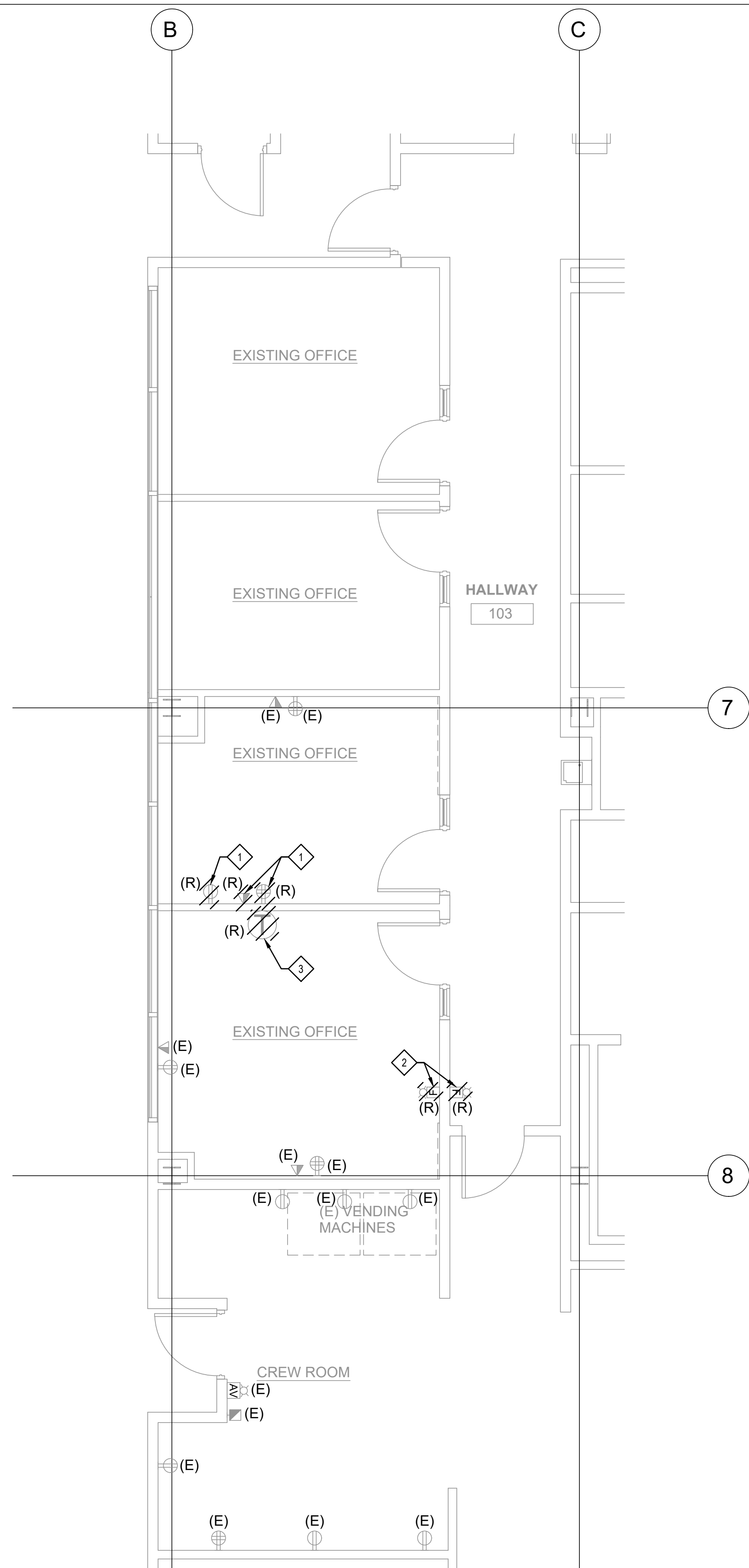
E0.01	ELECTRICAL FRONT SHEET
E1.01	ELECTRICAL DEMOLITION AND POWER PLANS
E1.02	ELECTRICAL DEMOLITION AND LIGHTING PLANS
E2.01	ELECTRICAL SPECIFICATIONS
E3.01	ELECTRICAL T-24 COMPLIANCE FORMS - INDOOR

LIGHTING FIXTURE SCHEDULE

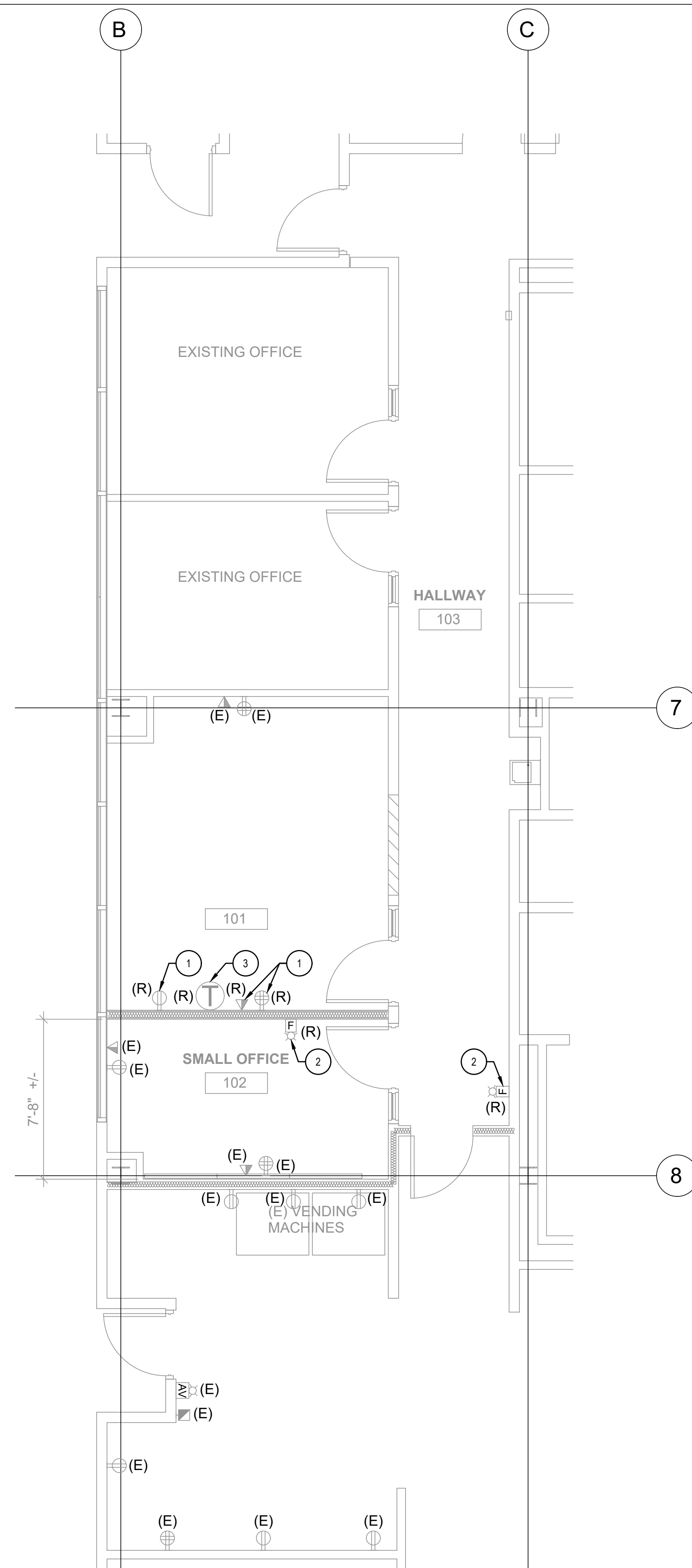
TYPE	MANUFACTURER & MODEL NUMBER	MOUNTING	SOURCE COLOR TEMP LUMENS	WATTS	SYSTEM INPUT WATTS	VOLTAGE	DIMMING	DESCRIPTION	NOTES
A	LITHONIA #2ESL4-40L-MVOLT-EZ1-LP840	RECESSED	4000K	30	30	277	0-10	RECESSED MOUNT PARABOLIC LED.	

- GENERAL NOTES:**
- PROVIDE ALL LIGHTING FIXTURES AS SHOWN COMPLETE WITH LAMPS, WIRED, CONTROLLED AND SECURELY ATTACHED TO SUPPORTS.
 - PROVIDE UL LISTED DRIVERS OR SOCKETS WITH MANUFACTURER LABEL LISTED PER THE INPUT SYSTEM WATTS AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE.
 - THE LIGHTING FIXTURES AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARDS AND REGULATIONS OF THE FOLLOWING:
 A. UNDERWRITERS LABORATORIES (UL)
 B. CALIFORNIA ELECTRICAL CODE (CEC)
 C. LOCAL BUILDING AND LIFE SAFETY CODE AGENCIES.
 D. LMF-79-08, LMF-80-08 AND TM-21-11 LISTED
 - ALL FIXTURES AND WORKMANSHIP SHALL BE GUARANTEED FREE OF DEFECTS AND FULLY OPERATIONAL. ANY FIXTURES OR WORKMANSHIP FOUND TO BE DEFECTIVE DURING THE WARRANTY PERIOD WILL BE EITHER FIXED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
 - PROVIDE ADEQUATE AND STURDY SUPPORT FOR EACH LIGHTING FIXTURE OR POLE LIGHT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE WEIGHT AND MOUNTING METHOD OF ALL FIXTURES AND FURNISH AND INSTALL SUITABLE SUPPORTS OR BASE FOOTINGS. FIXTURE MOUNTING ASSEMBLIES SHALL COMPLY WITH ALL LOCAL SEISMIC CODES AND REGULATIONS.
 NOTE: CONTRACTOR SHALL REFER TO ARCHITECTURAL OR STRUCTURAL DRAWINGS FOR FOOTING REQUIREMENTS.
 - PROVIDE ALL LIGHT FIXTURES EQUIPPED WITH COMPATIBLE DIMMING DRIVERS PER THE LIGHTING CONTROLS SYSTEM.
 - PROVIDE UL924 DEVICES FOR ALL EMERGENCY FIXTURES.
 - AT THE COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL CLEAN LENSES AND REFLECTORS OF ALL LIGHT FIXTURES SO AS TO RENDER THEM FREE OF ANY MATERIAL, SUBSTANCE OR FILM FOREIGN TO THE FIXTURE. BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES SHALL BE REPLACED IN A SATISFACTORY MANNER.
 - CONTRACTOR SHALL CONFIRM ALL LIGHT FIXTURE VOLTAGES WITH LIGHTING PLANS AND LIGHTING PANEL SCHEDULES.
 - PROVIDE ALL FINISHES FOR ALL LIGHT FIXTURES PER THE ARCHITECTS FINAL SELECTION.

Consultant  Budlong An MBE/ISBE/DBE/SLBE Firm Glendale/Downtown LA/Camarillo W W W . S U B L O G . C O M	Registration 	 La Cañada Design Group Architecture Planning Interiors 630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com Prepared Under the Supervision of: KEVIN O'BRIEN C23472 PLOT DATE	engineering division REVISIONS DATE BY CODE UPDATE 3/13/2024 FIELD BOOK REF PLAN REF	CITY OF  TITLE: ELECTRICAL FRONT SHEET NORWALK TRANSIT SYSTEM OPERATIONS DEPARTMENT RECONFIGURATION Approved Recommended CITY ENGINEER RCE S7868 DATE DRAWING NO. E0.01 SHEET OF
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1 ELECTRICAL DEMOLITION ENLARGED PLAN
1/4" = 1'-0"







2 ELECTRICAL NEW ENLARGED POWER PLAN
1/4" = 1'-0"

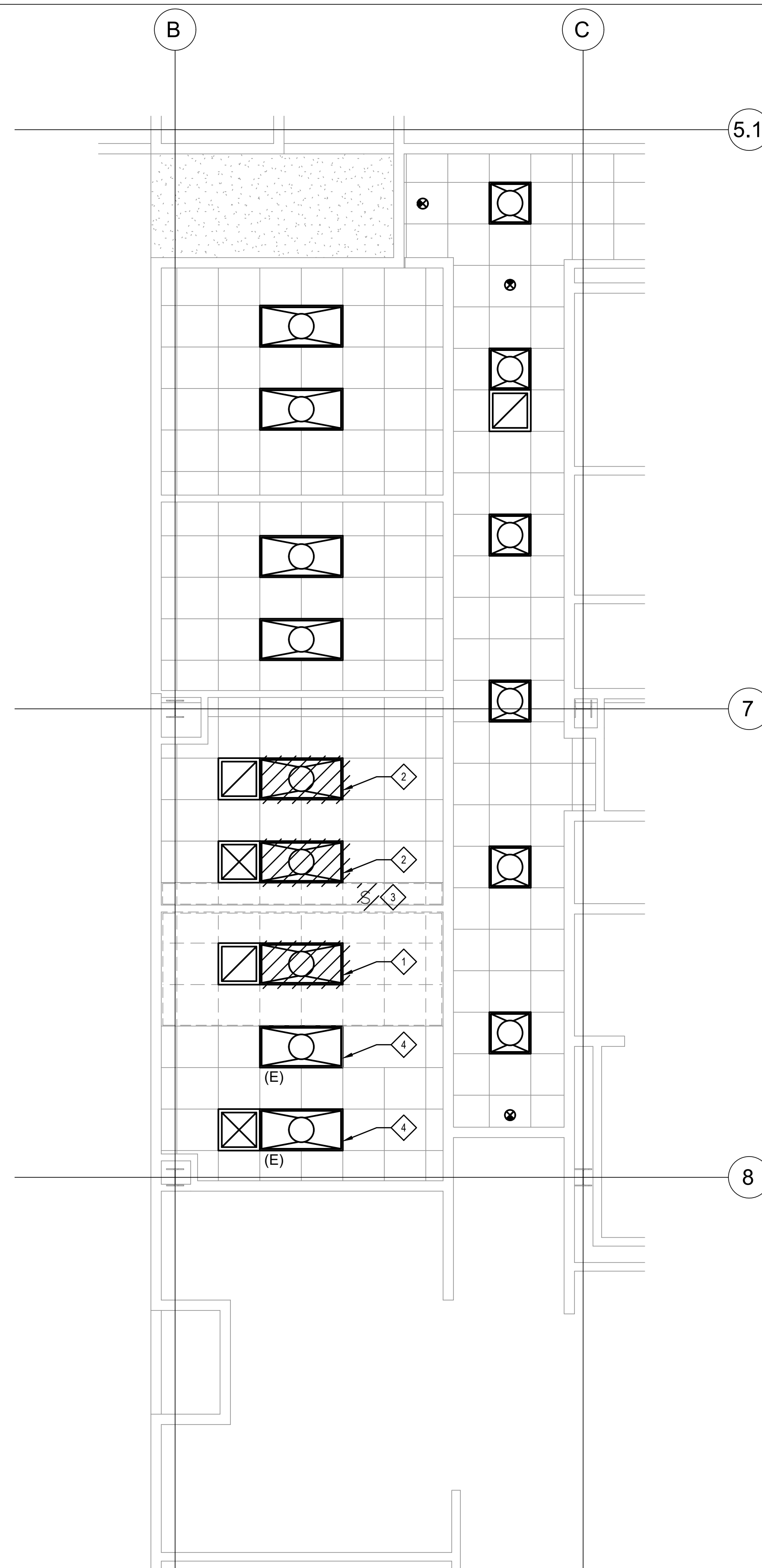
DEMOLITION KEY NOTES

- 1 REMOVE EXISTING RECEPTACLE AND DATA OUTLET AND PROTECT FOR RELOCATION AT NEW LOCATION AFTER NEW WALL IS BUILT AS SHOWN ON NEW POWER PLAN. IDENTIFY EXISTING CONDUIT AND CONDUCTORS AND REMOVE BACK TO NEAREST JUNCTION BOX FOR EXTENSION TO NEW LOCATION.
- 2 REMOVE EXISTING FIRE ALARM DEVICE AND PROTECT FOR RELOCATION AFTER NEW WALL IS BUILT AT NEW LOCATION AS SHOWN ON NEW POWER PLAN. IDENTIFY AND PROTECT EXISTING CONDUIT AND CONDUCTORS AND LOW VOLTAGE WIRING FOR EXTENSION TO NEW LOCATION.
- 3 REMOVE EXISTING THERMOSTAT AND PROTECT FOR RELOCATION AFTER NEW WALL IS BUILT AT NEW LOCATION AS SHOWN ON NEW POWER PLAN. IDENTIFY EXISTING CONDUIT AND LOW VOLTAGE WIRING AND REMOVE BACK TO NEAREST JUNCTION BOX FOR EXTENSION TO NEW LOCATION.

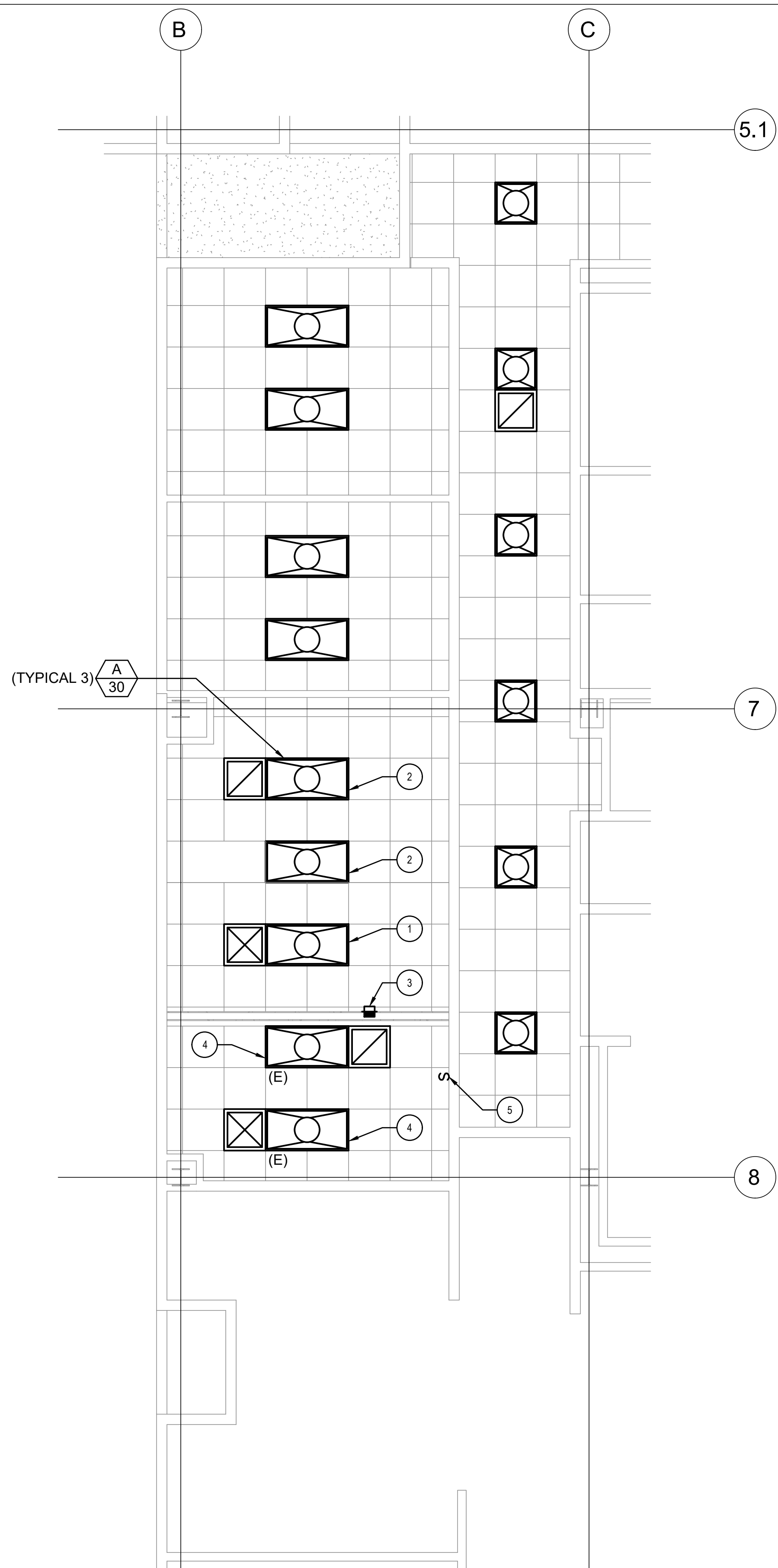
CONSTRUCTION KEY NOTES

- 1 REINSTALL EXISTING ELECTRICAL OUTLETS AT NEW WALL. EXTEND CONDUIT AND CONDUCTORS PREVIOUSLY IDENTIFIED DURING DEMOLITION TO NEW LOCATION AND PROVIDE ALL NECESSARY BOXES AND ACCESSORIES AS NEEDED.
- 2 REINSTALL EXISTING FIRE ALARM DEVICE AT NEW LOCATION. EXTEND CONDUIT AND CONDUCTORS PREVIOUSLY IDENTIFIED DURING DEMOLITION AND ASSOCIATED LOW VOLTAGE WIRING TO NEW LOCATION AND PROVIDE ALL NECESSARY BOXES AND ACCESSORIES AS NEEDED.
- 3 REINSTALL EXISTING THERMOSTAT AT NEW LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION. EXTEND CONDUIT PREVIOUSLY IDENTIFIED DURING DEMOLITION AND ASSOCIATED LOW VOLTAGE WIRING TO NEW LOCATION AND PROVIDE ALL NECESSARY BOXES AND ACCESSORIES AS NEEDED.

Consultant  Budlong <small>An MBE/ISBE/DBE/LSBE Firm Glendale/Downtown LA/Camarillo W W W . S U B L O N G . C O M</small>	Registration  <small>REGISTERED PROFESSIONAL ENGINEER WILLIAM H. CHRISTIAN 22284 ELECTRICAL STATE OF CALIFORNIA</small>	 La Cañada Design Group Architecture Planning Interiors <small>630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com</small> Prepared Under the Supervision of: KEVIN O'BRIEN C23472 PLOT DATE	engineering division	CITY OF 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>BY</th> <th>CODE UPDATE</th> </tr> <tr> <td>3/1/2024</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <th>FIELD</th> <th>BOOK</th> <th>REF</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <th>PLAN</th> <th>REF</th> <td> </td> </tr> </table>	REVISIONS			DATE	BY	CODE UPDATE	3/1/2024									FIELD	BOOK	REF				PLAN	REF		TITLE: ELECTRICAL DEMOLITION AND POWER PLANS NORWALK TRANSIT SYSTEM OPERATIONS DEPARTMENT RECONFIGURATION Approved _____ PROJECT NO. _____ CITY ENGINEER RCE 57908 DATE _____ DRAWING NO. E1.01 Recommended _____ DATE _____ SHEET _____ OF _____ Drawn By _____ Checked By _____
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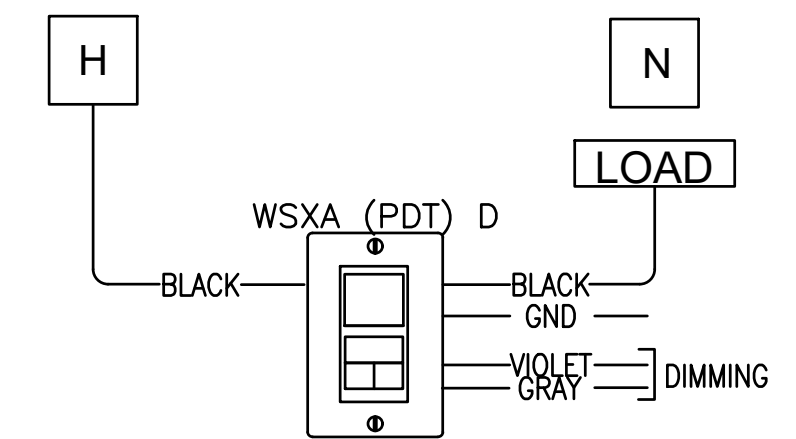
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1/4" = 1'-0"



2 ELECTRICAL NEW ENLARGED REFLECTED CEILING PLAN
1/4" = 1'-0"

- ### DEMOLITION KEY NOTES
- 1 REMOVE AND RELOCATE EXISTING LIGHT FIXTURE TO NEW LOCATION AS SHOWN ON NEW POWER PLAN. IDENTIFY AND PROTECT EXISTING CONDUIT AND CONDUCTORS FOR RECONNECTION OF NEW LED LIGHT FIXTURE.
 - 2 REMOVE EXISTING LIGHT FIXTURE. IDENTIFY AND PROTECT EXISTING CONDUIT AND CONDUCTORS FOR RECONNECTION OF NEW LED LIGHT FIXTURE AT SAME LOCATION.
 - 3 REMOVE EXISTING TOGGLE SWITCH AND RELOCATE IN THE NEW SMALL OFFICE (ROOM #102) AS SHOWN ON DETAIL 2/E.1.02. IDENTIFY AND PROTECT EXISTING CONDUIT AND CONDUCTORS FOR RECONNECTION OF NEW LIGHTING CONTROL DEVICE.
 - 4 EXISTING LIGHT FIXTURE TO REMAIN.

- ### CONSTRUCTION KEY NOTES
- 1 PROVIDE NEW LED LIGHT FIXTURE AT NEW LOCATION AND EXTEND EXISTING CONDUIT AND CONDUCTORS PREVIOUSLY IDENTIFIED DURING DEMOLITION AS NEEDED. INSTALL FIXTURE MATCHING EXISTING CONDITIONS. REFER TO LIGHT FIXTURE SCHEDULE FOR FIXTURE TYPE.
 - 2 PROVIDE NEW LED LIGHT FIXTURE AND CONNECT TO PREVIOUSLY IDENTIFIED CONDUIT AND CONDUCTORS. INSTALL FIXTURE MATCHING EXISTING CONDITIONS. REFER TO LIGHT FIXTURE SCHEDULE FOR FIXTURE TYPE.
 - 3 PROVIDE NEW ACUITY #WSX-PDT-D-WH DIMMING OCCUPANCY WALL SWITCH.
 - 4 EXISTING LIGHT FIXTURE TO REMAIN.
 - 5 EXISTING SWITCH FROM EXISTING OFFICE AT NEW LOCATION TO CONTROL THE EXISTING FIXTURES IN THE SMALL OFFICE (ROOM #102).



3 LIGHTING CONTROLS DIAGRAM
SCALE = NONE

Consultant An MBE/SB/DBE/ESBE Firm Glendale/Downtown LA/Camarillo W W W . S U B L O N G . C O M	Registration Prepared Under the Supervision of: KEVIN O'BRIEN C23472 PLOT DATE	 La Cañada Design Group Architecture Planning Interiors 630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com	engineering division	CITY OF
			REVISIONS DATE BY CODE UPDATE 3/1/2024 FIELD BOOK REF PLAN REF	TITLE: ELECTRICAL DEMOLITION AND LIGHTING PLANS NORWALK TRANSIT SYSTEM OPERATIONS DEPARTMENT RECONFIGURATION Approved CITY ENGINEER RCE 57908 DATE Recommended Drawn By _____ Checked By _____

STATE OF CALIFORNIA
Indoor Lighting
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CERTIFICATE OF COMPLIANCE NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)(2) for indoor lighting scopes using the prescriptive path.

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A. GENERAL INFORMATION

01 Project Location (city)	Norwalk	04 Total Conditioned Floor Area (ft²)	200
02 Climate Zone	8	05 Total Unconditioned Floor Area (ft²)	0
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
<input type="checkbox"/> Office	<input type="checkbox"/> Retail	<input type="checkbox"/> Hotel/Motel	<input type="checkbox"/> School
<input type="checkbox"/> Parking Garage	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Support Areas
	<input type="checkbox"/> Relocatable	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Other (Write in) See Table I

B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)(2) for alterations.

Scope of Work	Conditioned Spaces	Unconditioned Spaces
01	02	03
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)
<input type="checkbox"/> New Lighting System		
<input type="checkbox"/> New Lighting System - Parking Garage		
<input checked="" type="checkbox"/> Altered Lighting System	Area Category Method	200
		Area Category Method
Total Area of Work (ft²)		0

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C. COMPLIANCE RESULTS
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(1)	Allowed Lighting Power per §140.6(b) (Watts)				05	Adjusted Lighting Power per §140.6(a) (Watts)			Compliance Results
	01	02	03	04		06	07	08	
Complete Building §140.6(c)(1)	Area Category §140.6(c)(2)	Area Category Additional §140.6(c)(2S) (+)	Tailored §140.6(c)(3) (+)	Total Allowed (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits §140.6(a)(2) (-)	Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 §140.6	
(See Table I)	(See Table I)	(See Table J)	(See Table K)	= 140	≥ (See Table F)	(See Table P)	= 90	COMPLIES	
Conditioned	140	0		=	≥		=	COMPLIES	
Unconditioned				=	≥		=	COMPLIES	

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change¹	Watts per luminaire²	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)(3)	Design Watts	Field Inspector
									Pass Fail

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F. INDOOR LIGHTING FIXTURE SCHEDULE

A/30	LITHONIA 2ESL4-40L-NVQ4T-EZ1-IP840 A/30	No	No	30	Mfr. Spec	3	No	90	<input type="checkbox"/>	<input type="checkbox"/>	
Total Designed Watts: CONDITIONED SPACES									90		

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls		01	02	03
Mandatory Demand Response §110.12(c)		Shut-off controls §130.1(c)		Field Inspector
Not Required <= 10,000 SF		See Area/Space Level Controls		Pass Fail
				<input type="checkbox"/> <input type="checkbox"/>

Area Level Controls		04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky Light Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)(1)	Field Inspector		
OFFICE 101	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	Pass Fail		
								<input type="checkbox"/> <input type="checkbox"/>		

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)
*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)(2) Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces					
01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment PAF
OFFICE ZONE	Office 250 square feet or less	0.7	200	140	No
			TOTALS:	200	140
					See Tables I, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

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O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included 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/NRCL/

Yes	No	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCL-LTI-01-E - Must be submitted for all buildings.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

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U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Yes	No	Form/Title	Field Inspector	
			Pass	Fail
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF)	<input type="checkbox"/>	<input type="checkbox"/>

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Guillermo Acuna	Documentation Author Signature: Guillermo A.
Company: Budlong & Associates	Signature Date: 2021-04-26
Address: 315 Ardian Ave, Suite	CSA/IBS Certification Identification (if applicable):
City/State/Zip: Glendale CA 912	Phone: (818) 638-8780

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Manan Christian	Responsible Designer Signature: <i>Manan Christian</i>
Company: Budlong & Associates	Date Signed: 2021-04-26
Address: 400 W Ventura Blvd Ste#240	License: E22864
City/State/Zip: Camarillo CA 90310	Phone: 8059874001

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 Consultant An MBE/ISBE/DBE/SLBE Firm Glendale/Downtown LA/Camarillo W.W.W.S.U.B.L.O.N.G. C.O.M	 Registration HANAN H. CHRISTIAN E22864 ELECTRICAL ENGINEER STATE OF CALIFORNIA	 La Cañada Design Group Architecture Planning Interiors 630 N. Rosemead Blvd, Suite 400 Pasadena, California 91107 (626) 351-4301 www.lcdg.com Prepared Under the Supervision of: KEVIN O'BRIEN C23472 PLOT DATE	engineering division REVISIONS <table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>CODE UPDATE</th> </tr> <tr> <td>3/1/2024</td> <td></td> <td></td> </tr> </table> FIELD BOOK REF PLAN REF	DATE	BY	CODE UPDATE	3/1/2024			CITY OF  TITLE: ELECTRICAL T-24 COMPLIANCE FORMS - INDOOR NORWALK TRANSIT SYSTEM OPERATIONS DEPARTMENT RECONFIGURATION Approved CITY ENGINEER: RCE SF908 DATE Recommended DATE Drawn By _____ Checked By _____ SHEET _____ OF _____
DATE	BY	CODE UPDATE								
3/1/2024										