

855 E. LAUREL, BLDG A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY:

COUNTY OF MONTEREY

855 E. LAUREL, BUILDING A SALINAS, CA 93905

PRE-ENGINEERED METAL BUILDING SPECS

Unit	Width	Length	Eave Height	Structural Type	Roofs	Baye	Comments
Unit 1	48'-0"	80'-0"	14'-8"	LRF	1/12	17'-6" 20' 20' 20'	Open Walls
Unit 2							
Unit 3							
Unit 4							

Structural Type Description—General (See "Structural Type" above)
 Pre-engineered Building Systems (PEB)
 The design of the Low Rigid Frame (LRF) or clear span structural system, shall consist of a rigid frame with tapered or straight exterior columns and tapered or straight roof beams. Roof beams may be solid web or truss sections.

The sidewall of the structural systems consist of beam and post frames. Depending on the design requirements, endwalls may have load capacity included for future building expansion.

In the longitudinal direction of these structural systems, roof or angle bracing, portal frames, fixed base bracing, shear walls or a combination of these may be used to resist lateral loads.

The primary framework supports roof structural and wall structural, which in turn, support the roof panels and wall panels, respectively. Roof structures may consist of steel bar joists appropriately designed to meet design criteria. The wall structures consist of cold form Z's or C's designed to resist horizontal loads from the walls.

Unless specified otherwise, (PEB) will determine the structural system and the type and configuration of components that make up the structural system that satisfy the requirements necessary to meet codes, loads, building layout and clearances.

Design Criteria	Reference
Building Code	CA 13 (Based on IBC 13)
Use Category	General Occupancy Structure
Live Load	Roof Loads/Other Building Shell Loads
Structural Design Load	20 PSF (reducible per code)
Wind Speed	110 mph Exposure C
Wind Enclosure	Partially Enclosed
Seismic Classification	Ss = 0.15, S1 = 0.05
Seismic Design Category	D
Factory Mutual (FM) requirement	none
Deflection-roof beams	Deflect 1/100 Live Load
Deflection-roof trusses	1/100 (10 year wind or lateral cone)
Deflection-roof structural	1/100 (Live Load)
Deflection-roof structural	1/50 (10 year wind)

Structural Steel Design
 All structural steel sections or welded-up plate sections shall be designed in accordance with the 1989 Edition of the AISC Specifications for the Structural Steel Buildings. Cold-formed steel structural members shall be designed in accordance with AISI Specification for the Design of Cold-Formed Steel Structural Members. Steel bar joists shall comply with specifications of the Steel Joist Institute.

Welding
 Welding procedures shall be in accordance with the American Welding Society Structural Welding Code.

Structural Painting
 All (PEB) structural steel components shall be factory cleaned to remove all loose mill scale and other foreign material generally conforming to SSPC-SP 2 (Hand Tool Cleaning). The parts are shop coated with a single coat of gray corrosion inhibiting primer keeping with Steel Structures Painting Council (SSPC) Paint Specification 15. This primer is considered a temporary and provisional coating. This single coat primer is not an intermediate or finish coat. Cold formed Z's and C's will be G-90 galvanized and clear acrylic coated.

If and when applicable:
 All base paints shall be dip tank coated by an electrode position method (gray color).
 All other structural steel components and subassembly parts shall be epoxy primed.
 Bar joists shall be provided with the manufacturer's standard prime paint.

Anchor Bolts and Miscellaneous Steel
 Anchor bolts by other anchor bolts, embedded plates, handrail, pipe hangers, and other miscellaneous steel components are excluded from the building shell unless specifically included in our proposal.

Exceptions/Clarifications
 Use of EFRS sprinkler systems will require coordination of the sprinkler heads and the roof secondary members. If this coordination does not occur during the design of the steel building, field modifications may be required. The engineering and any field modifications required will be billed as a change order.

General
 Corrugated metal roof panels shall be as furnished by (PEB).

Panel Design
 Panels shall be designed in accordance with AISI Specifications for the Design of Light Gauge, Cold-Formed Steel Structural Members or CAN/CSA-S136 Cold-Formed Steel Structural Members - latest edition and in accordance with sound engineering methods and practices.

Panel Material and Finish
 Panel material and finish shall be 26 gauge painted Galvalume® aluminum-zinc alloy as per ASTM Specification A-792 with exterior color: Fluoropolymer (PVDF) coating. Manufacturer shall warrant that coating shall not peel, crack or chip for 25 years. For a period of 25 years chalking shall not exceed ASTM D4214 8B rating and will not fade more than 5 color difference units per ASTM D2244. Interior color shall be Light Gray polyester color coat not formulated for exterior weathering.

Fasteners
 Panel-to-structural member connections shall be made with stainless steel Scrublo® fasteners 3/8" hex washer head with AL2N steel backed sealing washer.

Panel-to-Panel connections shall be made with #14-14x7/16" stainless steel 3/8" hex head min-pn self-drilling screws with 5/8" o.d. AL2N steel backed sealing washer.

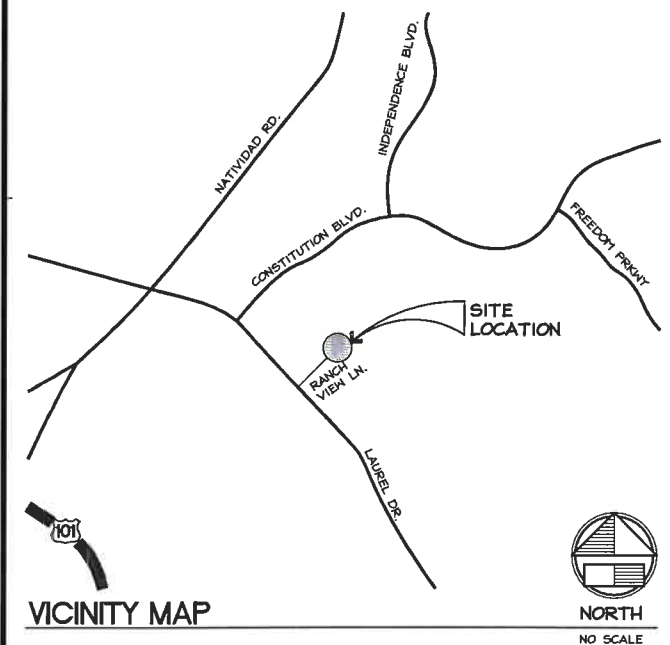
U.L. Uplift Rating
 The roof system shall qualify for U.L. wind uplift classification Class 90 rating to ensure structural integrity and possible reduction of insurance rates (Construction No. 81).

Gutter and Downspouts
 Gutter shall be contour type or approved equal (4-1/2" wide x 5" deep) and shall be provided with downspouts (4" x 3") at eaves.

Gutter and downspouts shall be fabricated from 26 gauge galvanized steel, ASTM A924, G90 coating, and shall be painted in a paint finish in standard color.

Gable Trim
 Gable trim shall be contour type or approved equal and shall be provided at gables. Gable trim shall be fabricated from 26 gauge galvanized steel, ASTM A525, G90 coating, and shall be painted in a standard color.

General
 Roof and wall insulation shall not be required.



PROJECT TEAM

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 BELLI ARCHITECTURAL GROUP
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PLUMBING
 AXIOM ENGINEERS
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CODES:
 2013 CBC - CALIFORNIA BUILDING CODE
 2013 CPC - CALIFORNIA PLUMBING CODE
 2013 CMC - CALIFORNIA MECHANICAL CODE
 2013 CEC - CALIFORNIA ELECTRICAL CODE
 2013 CFC - CALIFORNIA FIRE CODE
 2013 CALIFORNIA TITLE 24 ENERGY REG'S.
 2013 CALIFORNIA AMENDMENTS
 CITY OF SALINAS ORDINANCES

SHEET INDEX

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 AI.2 ENLARGED DEMOLITION PLAN
 AI.3 ENLARGED PROPOSED PLAN
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STRUCTURAL

SI.1 GENERAL NOTES, ABBREVIATIONS AND DETAILS
 SI.2 FOUNDATION PLAN

PLUMBING

MP.1 LEGENDS, SCHEDULES, NOTES, AND FLOOR PLANS

PROJECT DATA

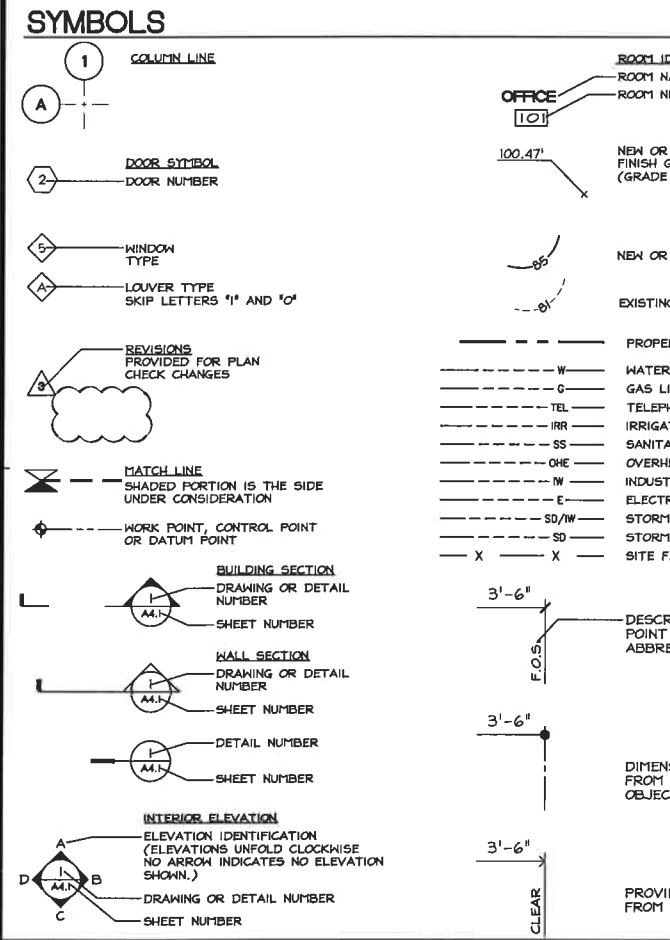
AP NUMBER: 003-051-027
 PROJECT ADDRESS: STREET CITY, CALIFORNIA ZIP
 COUNTRY OF MONTEREY DEPARTMENT OF PUBLIC WORKS SALINAS, CA 93905

CONSTRUCTION TYPE: TYPE V - B
 NUMBER OF STORIES: 1 STORY
 CURRENT USE: REPAIR SHOP
 PROPOSED USE: TO REMAIN THE SAME
 SCOPE OF WORK: NEW FOUNDATION & DESIGN CRITERIA FOR A NEW 33,700 SQFT. PRE-ENGINEERED METAL BUILDING CANOPY ADJACENT TO 'BUILDING A' (EQUIPMENT YARD) AT THE COUNTY OF MONTEREY PUBLIC WORKS CENTER. ACCESSIBILITY UPGRADES TO PATH OF TRAVEL AND RESTROOMS.

(E) OCCUPANCY GROUP: S-1
 (N) OCCUPANCY GROUP: S-1

GENERAL NOTES

- CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH THE CONSTRUCTION DOCUMENTS PRIOR TO STARTING CONSTRUCTION.
- THE ARCHITECT SHALL BE NOTIFIED OF ANY OMISSIONS OR DISCREPANCIES IN THE WORKING DRAWINGS AND/OR SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
- ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE SHOWN ON THE PLANS, SECTIONS AND DETAILS.
- SPECIFIC DETAILS AND NOTES TAKE PRECEDENCE OVER STRUCTURAL AND TYPICAL DETAILS.
- WHERE SPECIFIC DETAILS ARE NOT PROVIDED, CONSTRUCTION CAN FOLLOW DETAILS FOR SIMILAR CONDITIONS, UNLESS CONFLICT OCCURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN INSTALLATION AND MAINTENANCE OF ALL BRACING AND SHORING REQUIRED DURING CONSTRUCTION UNTIL ALL CONSTRUCTION IS FINALIZED.
- THE CONTRACTOR SHALL PERIODICALLY REMOVE DEBRIS AND CLEAN THE AREA WHERE THEY ARE WORKING.
- THE CONTRACTOR SHALL TURN OVER TO THE OWNER A CLEAN AND COMPLETE JOB. ANY WORK NOT SPECIFICALLY CALLED FOR OR SPECIFIED, BUT NECESSARY TO COMPLY WITH THE INTENT OF QUALITY AND COMPLETENESS SHALL BE PERFORMED AS PART OF THIS PROJECT.
- FIRE EXTINGUISHERS SHALL BE INSTALLED PER UNIFORM FIRE CODE STANDARDS.
- ALL GYP. BD. SHALL BE 1/2" U.O.N.
- EXTRA EXIT SIGNS MAY BE REQUIRED DURING FINAL INSPECTION. EXACT LOCATION OF EXIT SIGNS MAY BE ALTERED DURING FINAL INSPECTION.



MATERIALS

EARTH

ROCK/ GRAVEL/ AGGREGATE (OR AS SPECIFICALLY NOTED)

CONCRETE (OR AS SPECIFICALLY NOTED)

SAND/ MORTAR/ PLASTER (OR AS SPECIFICALLY NOTED)

ASPHALTIC CONCRETE PAVING (OR AS SPECIFICALLY NOTED)

LANDSCAPING AREA (OR AS SPECIFICALLY NOTED)

GYPHUM BOARD (OR AS SPECIFICALLY NOTED)

GYPHUM SHEATHING -NO PAPER FACING (OR AS SPECIFICALLY NOTED)

PLYWOOD SHEATHING (OR AS SPECIFICALLY NOTED)

BATT INSULATION (OR AS SPECIFICALLY NOTED)

ABBREVIATIONS

AND ANGLE
 AT CENTERLINE
 DIAMETER OR ROUND PERPENDICULAR
 FOUND OR NUMBER
 EXISTING
 NEW

ARCH. ASPH. ASPHALT
 BD. BOARD
 BLDG. BUILDING
 BLK. BLOCK
 BLKG. BLOCKING
 BM. BEAM
 BOT. BOTTOM
 BTWN. BETWEEN
 CEM. CEMENT
 C.I. CAST IRON
 C.J. CONSTRUCTION JOINT
 CLG. CEILING
 CLR. CLEAR
 C.M.U. CONCRETE MASONRY UNIT
 COL. COLUMN
 CONC. CONCRETE
 CONT. CONTINUOUS
 CTR. CENTER
 DBL. DOUBLE
 DEPT. DEPARTMENT
 DET. DETAIL
 DIA. DIAMETER
 DIM. DIMENSION
 DN. DOWN
 DR. DRAIN
 DS. DOWNSPOUT
 DWG. DRAWING

EA. EACH
 E.J. EXPANSION JOINT
 EL. ELEVATION
 ELEC. ELECTRICAL
 ELEV. ELEVATION
 EMER. EMERGENCY
 EQ. EQUAL
 EXIST. EXISTING
 EXT. EXTERIOR
 F.A. FIRE ALARM
 F.D. FLOOR DRAIN
 F.E. FIRE EXTINGUISHER
 F.E.C. FIRE EXTINGUISHER CABINET
 FIN. FINISH
 FL. FLOOR
 F.O.C. FACE OF CONCRETE
 F.O.F. FACE OF FINISH
 F.O.M. FACE OF MASONRY
 F.O.S. FACE OF STRUCTURE
 FT. FOOT
 FTG. FOOTING
 GA. GAUGE
 GALV. GALVANIZED
 GL. GLASS
 GYP. GYPHUM
 H.C. HOLLOW CORE
 HDR. HEADER
 HDWD. HARDWOOD
 HDWE. HARDWARE
 H.M. HOLLOW METAL
 HORIZ. HORIZONTAL

HR. HOUR
 HGT. HEIGHT
 I.B.C. INSTALLED BY CONTRACTOR
 I.D. INSIDE DIAMETER (DIM)
 I.M.P. INSULATED METAL PANEL
 IN. INCH
 INSUL. INSULATION
 INT. INTERIOR
 JT. JOINT
 LAH. LAMINATE
 LAV. LAVATORY
 LT. LIGHT

MAX. MAXIMUM
 MECH. MECHANICAL
 MET. METAL
 MFR. MANUFACTURER
 MIN. MINIMUM
 MISC. MISCELLANEOUS
 MTD. MOUNTED

N. NORTH
 N.I.C. NOT IN CONTRACT
 NO. OR # NUMBER
 N.T.S. NOT TO SCALE

O.C. ON CENTER
 OPNG. OPENING

PRCST. PRECAST
 PL. PLATE
 P. LAM. PLASTIC LAMINATE
 PLYWD. PLYWOOD
 P.S.I. POUNDS PER SQUARE INCH
 PR. PAIR
 PT. POINT
 RAD. RADIUS
 R.D. ROOF DRAIN
 REINF. REINFORCED
 REQ. REQUIRED
 RESIL. RESILIENT
 RM. ROOM
 R.O. ROUGH OPENING

SCHED. SCHEDULE
 SECT. SECTION
 SH. SHEET
 SHIL. SHILLAR
 SPEC. SPECIFICATION
 SQ. SQUARE
 STD. STANDARD
 STL. STEEL

T.C. TOP OF CURB
 TYP. TYPICAL

U.O.N. UNLESS OTHERWISE NOTED

VERT. VERTICAL
 VEST. VESTIBULE

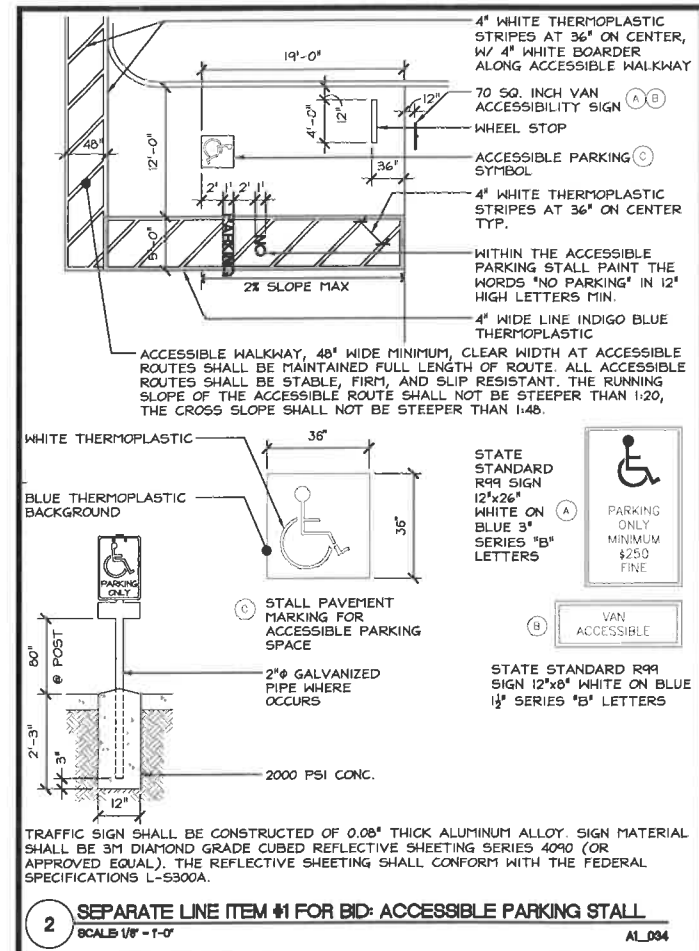
W/ WITH
 W.C. WATER CLOSET
 W/O WITHOUT

BELLI ARCHITECTURAL GROUP
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COUNTY OF MONTEREY
 855 E. LAUREL, BLDG A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
 855 LAUREL DRIVE, BUILDING A,
 SALINAS, CA 93905

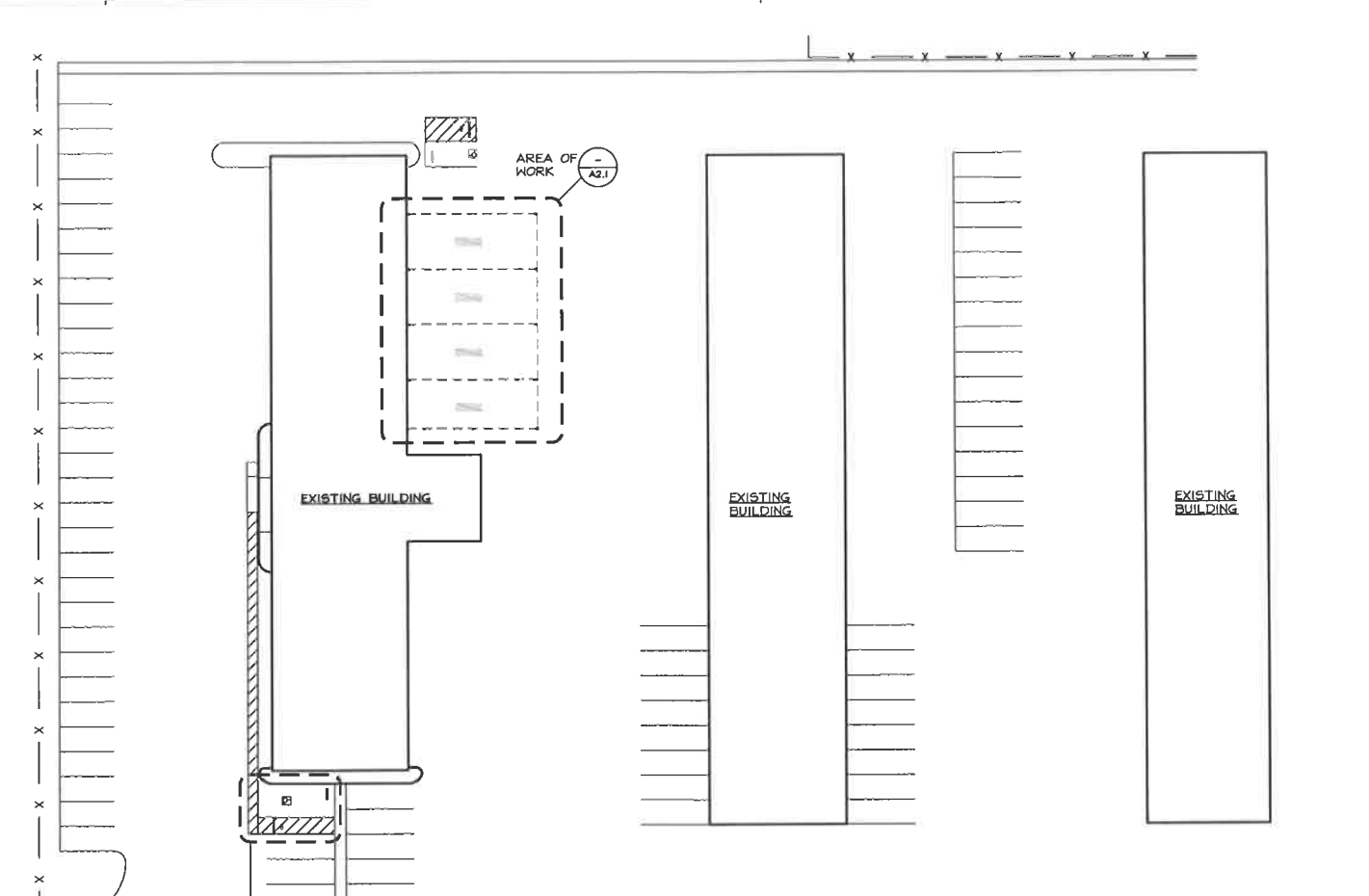
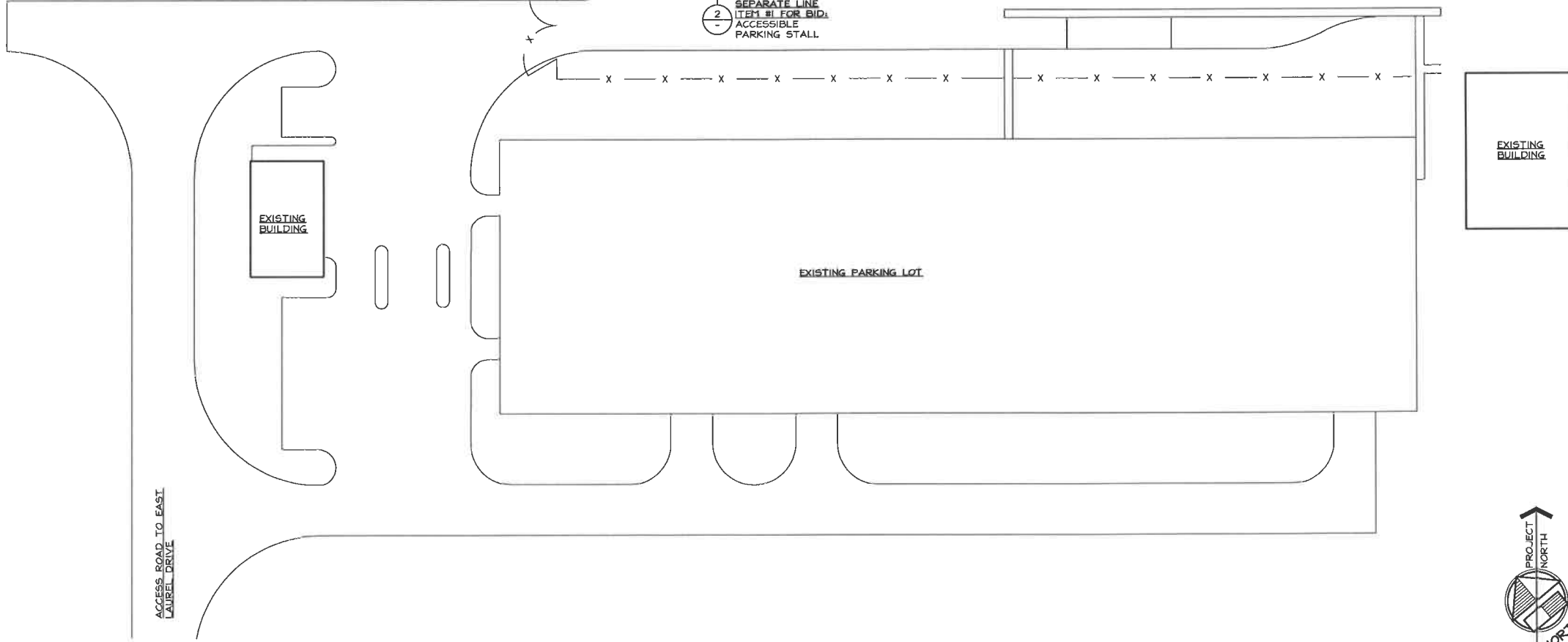
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 DRAWN KA
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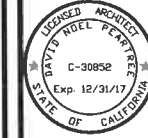


1 SITE PLAN
SCALE 1" = 80'

ACCESS ROAD TO EAST LAUREL DRIVE



REVISION	DATE	DESCRIPTION



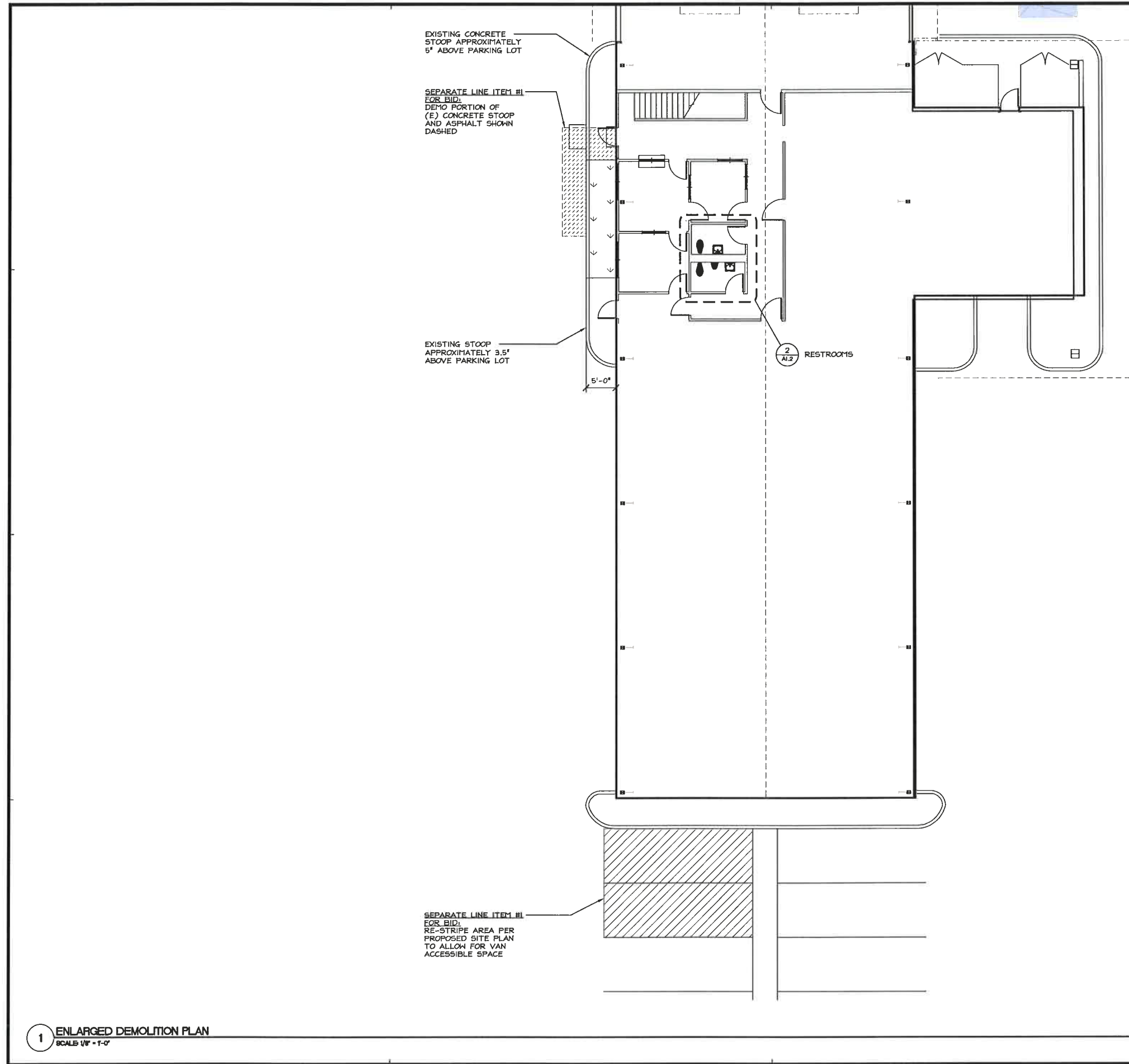
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SITE PLAN
865 E. LAUREL, BLDG. A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
COUNTY OF MONTEREY
865 LAUREL DRIVE, BUILDING A,
SALINAS, CA 95005

DATE	
SCALE	AS NOTED
DRAWN	C. J.
DATE	1/5/10
SHEET	A11

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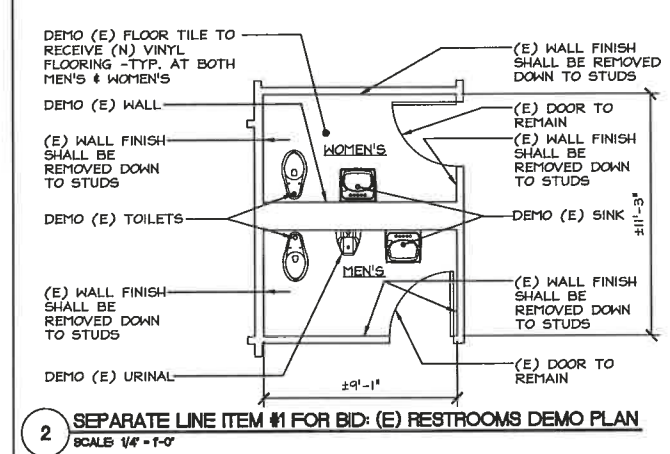
EXISTING CONCRETE STOOP APPROXIMATELY 5' ABOVE PARKING LOT

SEPARATE LINE ITEM #1 FOR BID: DEMO PORTION OF (E) CONCRETE STOOP AND ASPHALT SHOWN DASHED

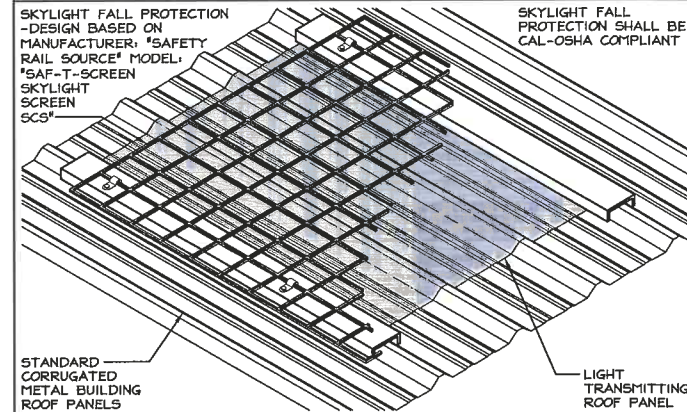
EXISTING STOOP APPROXIMATELY 3.5' ABOVE PARKING LOT

2 RESTROOMS

SEPARATE LINE ITEM #1 FOR BID: RE-STRIPE AREA PER PROPOSED SITE PLAN TO ALLOW FOR VAN ACCESSIBLE SPACE



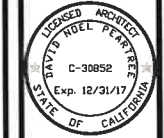
2 SEPARATE LINE ITEM #1 FOR BID: (E) RESTROOMS DEMO PLAN
SCALE 1/4" = 1'-0"



3 FALL PROTECTION
SCALE 3/4" = 1'-0"

1 ENLARGED DEMOLITION PLAN
SCALE 1/8" = 1'-0"

REVISIONS	DATE	BY	DESCRIPTION



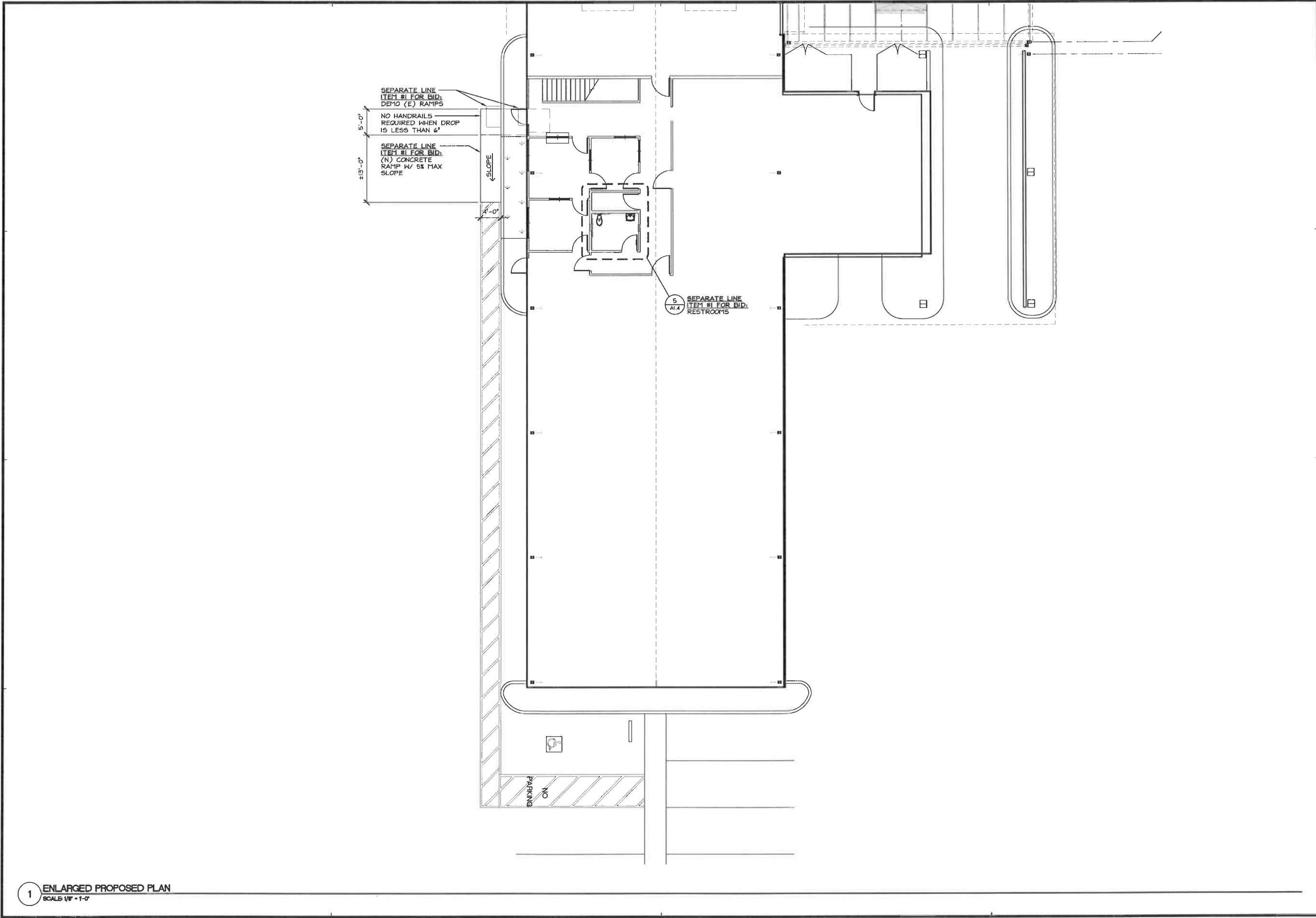
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ENLARGED DEMOLITION PLAN
 865 E. LAUREL, BLDG A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
COUNTY OF MONTEREY
 865 LAUREL DRIVE, BUILDING A,
 SALINAS, CA 95005

DATE	-
SCALE	AS NOTED
DRAWN	C.J.
JOB	15101
SHEET	A12

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1 ENLARGED PROPOSED PLAN
SCALE 1/8" = 1'-0"

REVISIONS	DATE	BY	DESCRIPTION



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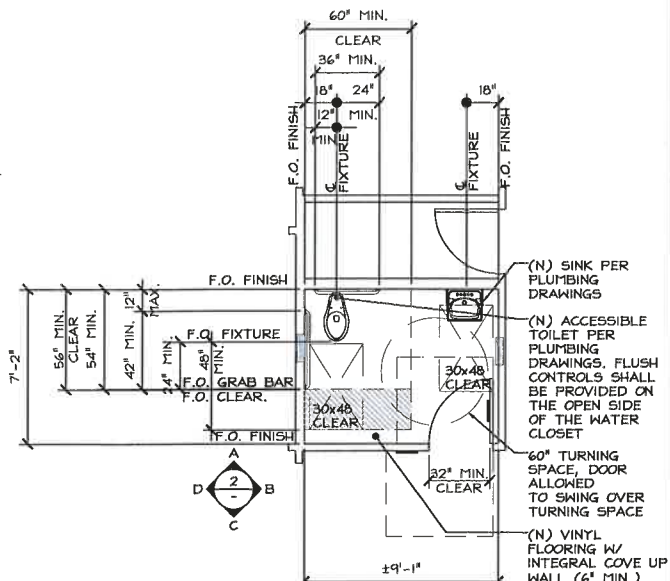
ENLARGED PROPOSED PLAN
 855 E. LAUREL, BLDG A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
COUNTY OF MONTEREY
 855 LAUREL DRIVE, BUILDING A,
 SALINAS, CA 93905

DATE -
 SCALE 1/8" = 1'-0"
 DRAWN C.J.
 JOB 15101
 SHEET
A13
 OF SHEETS

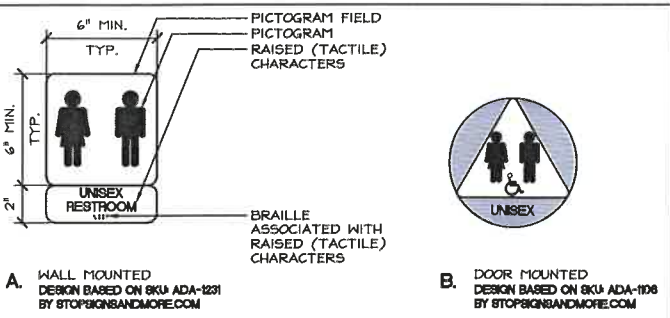
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GENERAL NOTES

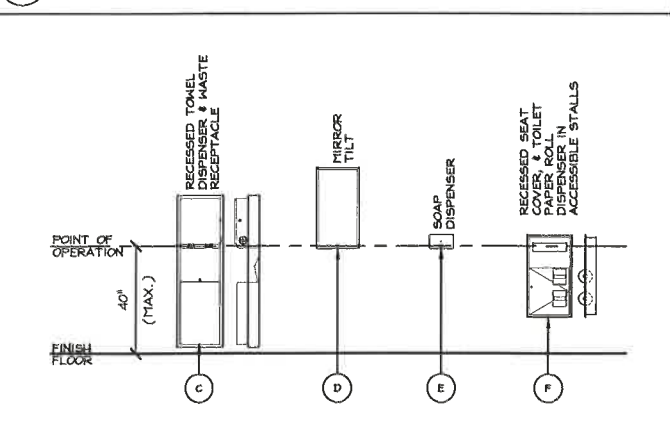
- FOR MOUNTING HEIGHTS REFER TO (19)
- FLUSH VALVE HANDLE PROVIDED ON OPEN SIDE OF ACCESSIBLE TOILET.
- FOR DOOR CLEARANCE REQUIREMENTS, REFER TO (4)
- PROVIDE (N) WALL MOUNTED SIGNAGE REFER TO (9) (10)



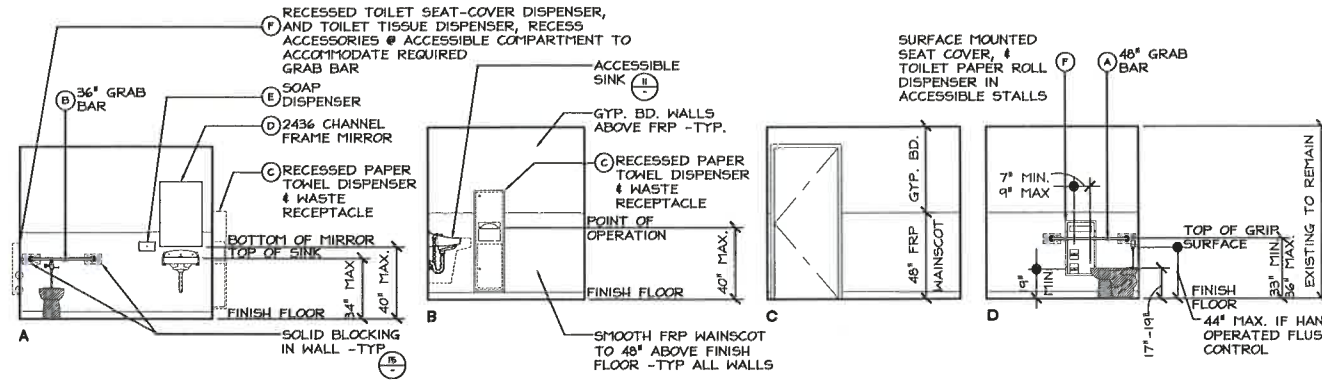
5 SEPARATE LINE ITEM #1 FOR BID: (N) UNISEX RESTROOM PLAN
SCALE 1/4" = 1'-0"



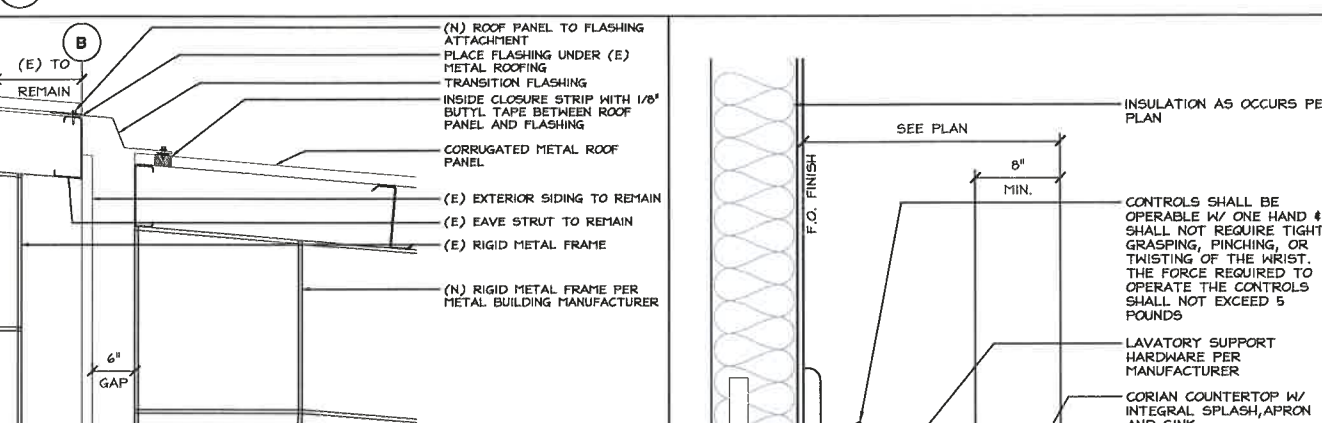
9 SEPARATE LINE ITEM #1 FOR BID: SIGNAGE REQUIREMENTS
SCALE N.T.S.



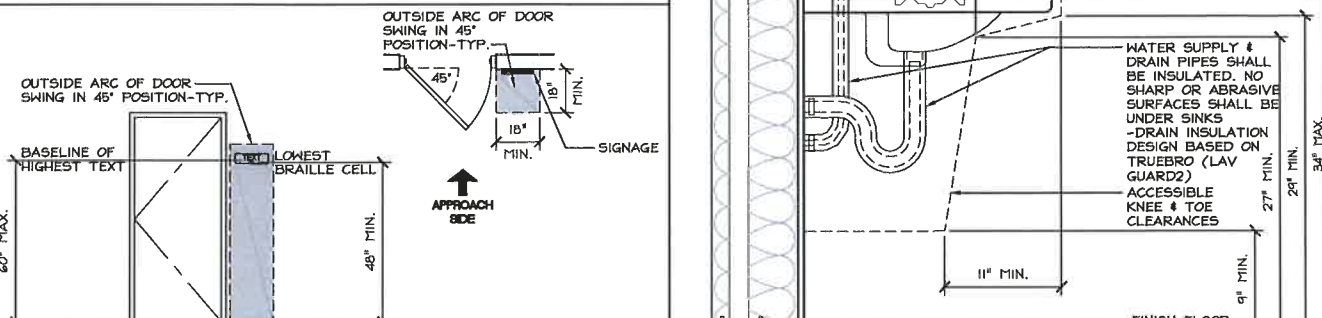
13 SEPARATE LINE ITEM #1 FOR BID: RESTROOM ACCESSORIES AND SCHEDULE
SCALE 3/8" = 1'-0"



2 SEPARATE LINE ITEM #1 FOR BID: (N) UNISEX RESTROOM ELEVATIONS
SCALE 1/4" = 1'-0"



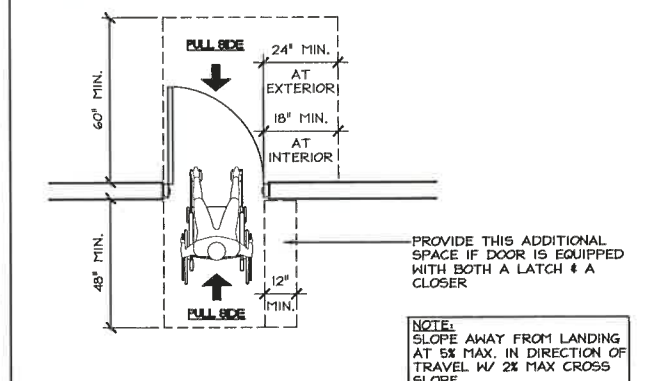
6 ROOF TRANSITION
SCALE 1" = 1'-0"



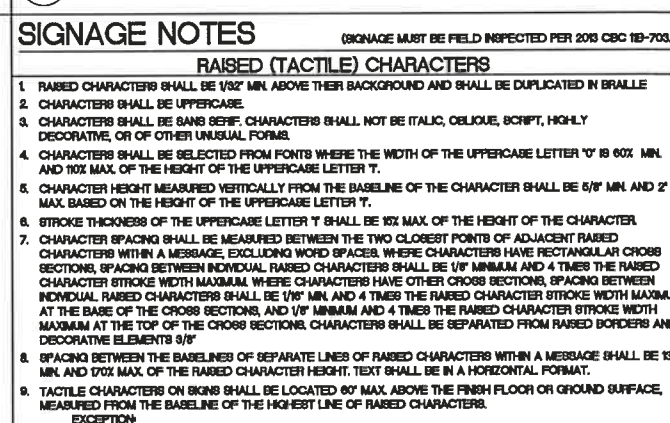
10 SEPARATE LINE ITEM #1 FOR BID: SIGNAGE REQUIREMENTS
SCALE N.T.S.

SYMBOL	DESCRIPTION
(A)	48" GRAB BAR (DESIGN BASED ON BOBRICK# B-5806X48)
(B)	36" GRAB BAR (DESIGN BASED ON BOBRICK# B-5806X36)
(C)	RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE (DESIGN BASED ON BOBRICK# B-3974)
(D)	MIRROR (DESIGN BASED ON BOBRICK# B-292 2436)
(E)	SOAP DISPENSER (DESIGNED BASED ON BOBRICK# 018615)
(F)	RECESSED MOUNTED SEAT COVER, & TOILET PAPER ROLL DISPENSER IN ACCESSIBLE STALLS (DESIGNED BASED ON BOBRICK# B-35745)

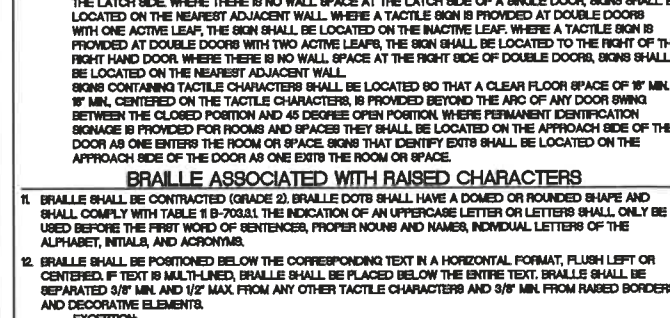
15 SEPARATE LINE ITEM #1 FOR BID: WALL BACKING TYPICAL
SCALE 1/2" = 1'-0"



4 FRONT APPROACH ADA DOOR CLEARANCE
SCALE 3/8" = 1'-0"



11 SEPARATE LINE ITEM #1 FOR BID: WALL HUNG SINK
SCALE 1/2" = 1'-0"



15 SEPARATE LINE ITEM #1 FOR BID: WALL BACKING TYPICAL
SCALE 1/2" = 1'-0"

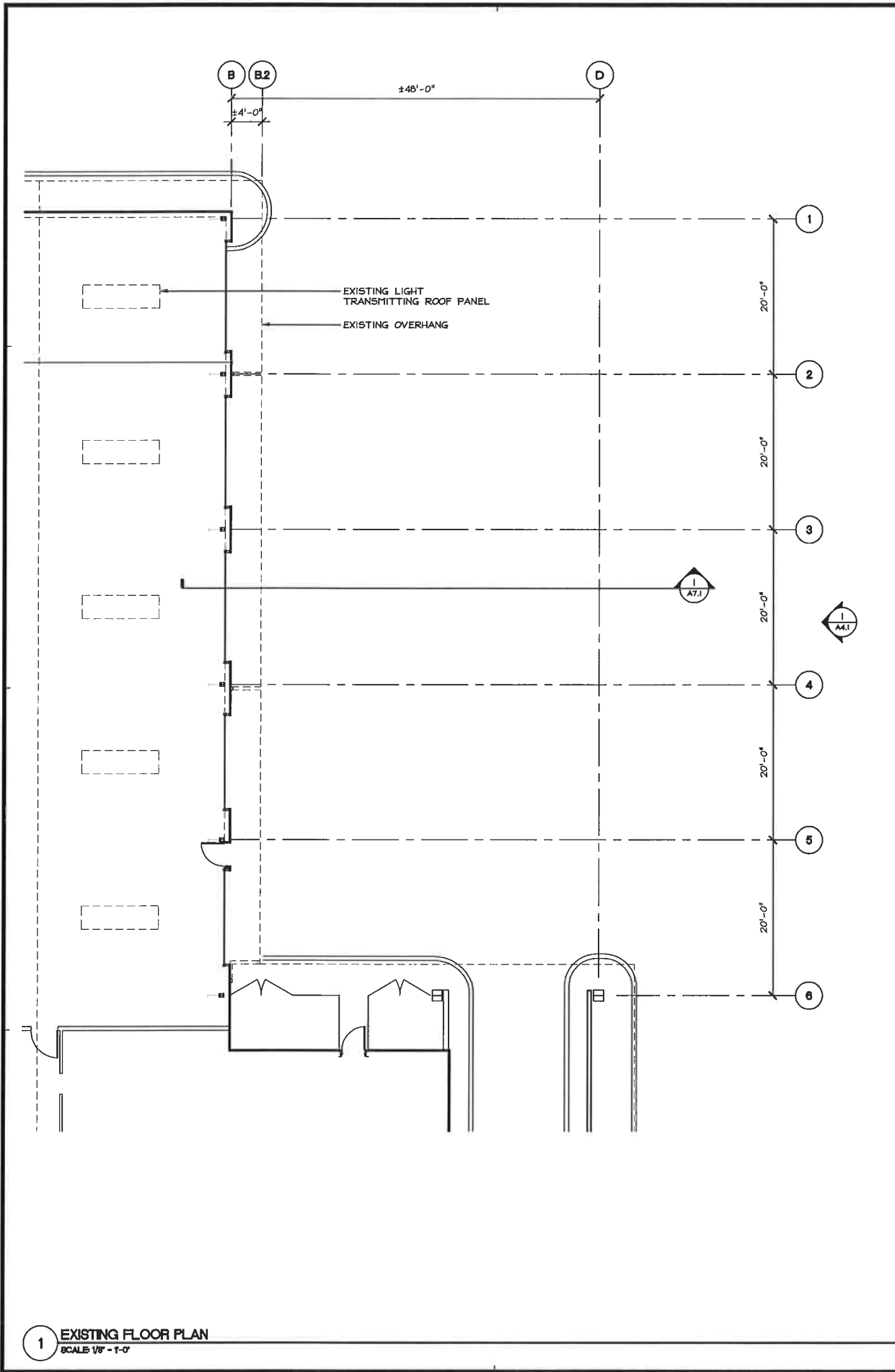
- SIGNAGE NOTES** (SIGNAGE MUST BE FIELD INSPECTED PER 206 CBC 1B-703.10)
- RAISED (TACTILE) CHARACTERS**
- RAISED CHARACTERS SHALL BE 1/8" MIN. ABOVE THEIR BACKGROUND AND SHALL BE DUPLICATED IN BRAILLE
 - CHARACTERS SHALL BE UPPERCASE.
 - CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
 - CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER 'O' IS 60% MIN. AND 100% MAX. OF THE HEIGHT OF THE UPPERCASE LETTER 'T'.
 - CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MIN. AND 2" MAX. BASED ON THE HEIGHT OF THE UPPERCASE LETTER 'T'.
 - STROKE THICKNESS OF THE UPPERCASE LETTER 'T' SHALL BE 10% MAX. OF THE HEIGHT OF THE CHARACTER.
 - CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8"
 - SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MIN. AND 170% MAX. OF THE RAISED CHARACTER HEIGHT. TEXT SHALL BE IN A HORIZONTAL FORMAT.
 - TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 80" MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.
 - EXCEPTION: TACTILE CHARACTERS FOR ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY.
 - SIGNAGE LOCATION (5) (10)
- WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE ACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.
- SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN. BY 18" MIN. CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE.
- BRAILLE ASSOCIATED WITH RAISED CHARACTERS**
- BRAILLE SHALL BE CONTRACTED (GRADE 2). BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 19-703.1. THE LOCATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.
 - BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT. FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" MIN. AND 1/2" MAX. FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MIN. FROM RAISED BORDERS AND DECORATIVE ELEMENTS.
 - EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/8" MIN. AND SHALL BE LOCATED EITHER DIRECTLY BELOW THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.
 - BRAILLE SHALL BE LOCATED 48" MIN. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELL.
 - EXCEPTION: BRAILLE FOR ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY.
- SIGNAGE WITH PICTOGRAMS**
- PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" MIN. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.
 - PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.
 - PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH "RAISED CHARACTERS" NOTES 1-10, AND "BRAILLE ASSOCIATED WITH RAISED CHARACTERS" NOTES 1-10.
- SIGNAGE SYMBOLS OF ACCESSIBILITY**
- SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.
 - THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE COLOR NO. 15000 IN FEDERAL STANDARD 595B.
 - EXCEPTION: THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE OTHER COLORS TO COMPLEMENT DECOR OR UNIQUE DESIGN. THE SYMBOL CONTRAST SHALL BE LIGHT ON DARK OR DARK ON LIGHT.
 - EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED OR BEADED. CORNERS OF SIGNS SHALL HAVE A 1/8" MIN. RADIUS.
 - DOORWAYS LEADING TO TOILET ROOMS AND BATHING ROOMS SHALL BE IDENTIFIED BY A GEOMETRIC SYMBOL, COMPLYING WITH NOTE 31, 32, OR 33. THE SYMBOL SHALL BE MOUNTED 68" MIN. TO 80" MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED FROM THE CENTERLINE OF THE SYMBOL. WHERE A DOOR IS PROVIDED THE SYMBOL SHALL BE MOUNTED WITHIN 1' OF THE VERTICAL CENTERLINE OF THE DOOR.
 - MEN'S TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE, 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
 - WOMEN'S TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4" THICK AND 12" IN DIAMETER. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
 - UNISEX TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4" THICK AND 12" IN DIAMETER WITH A 1/4" THICK TRIANGLE WITH A VERTEX POINTING UPWARD SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.

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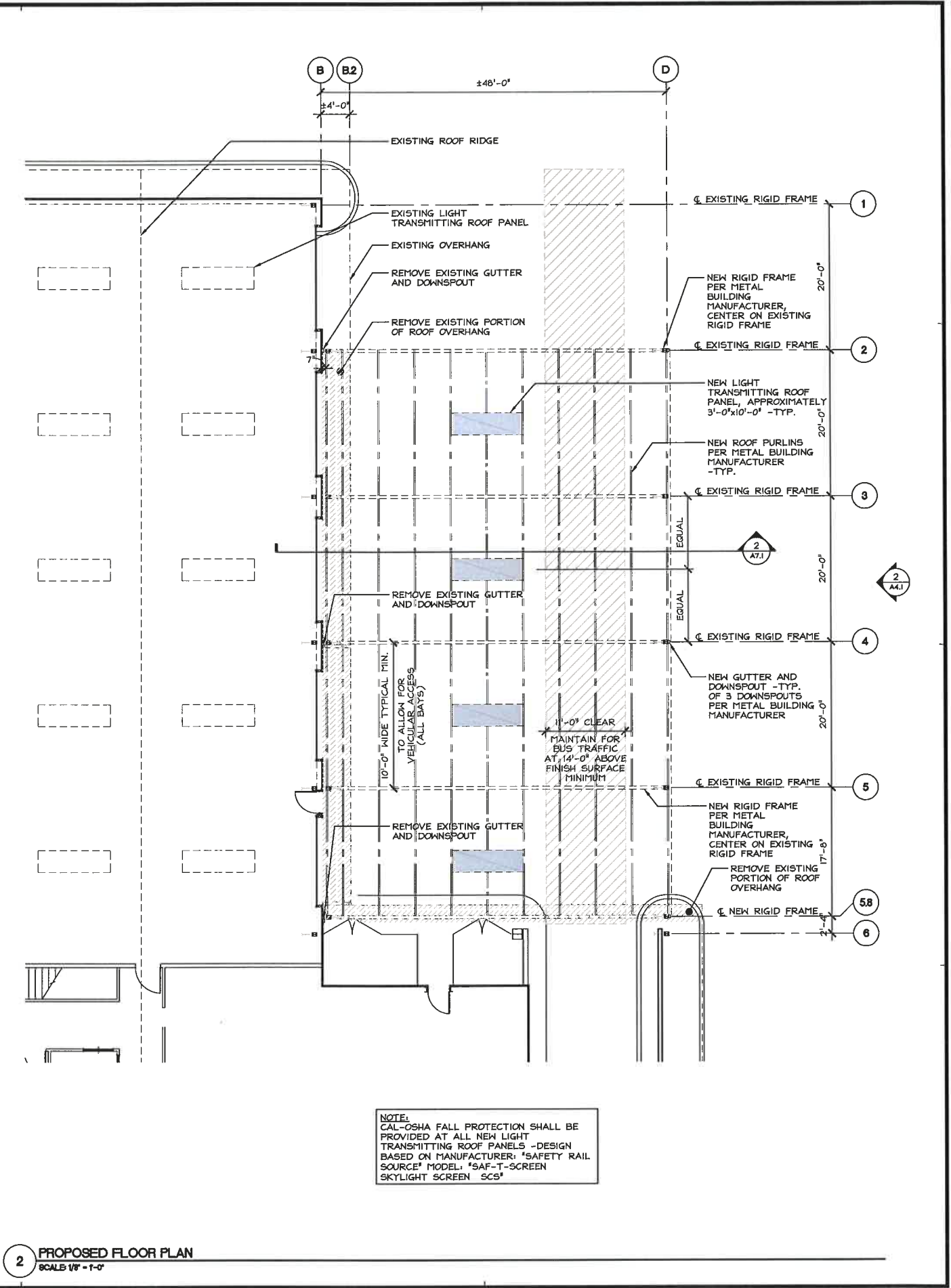
INTERIOR DETAILS
855 E. LAUREL, BLDG. A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
COUNTY OF MONTEREY
855 LAUREL DRIVE, BUILDING A,
SALINAS, CA 95065

DATE: _____
SCALE: AS NOTED
DRAWN: K.A.
JOB: 15101
SHEET: **A14**

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



NOTE:
CAL-OSHA FALL PROTECTION SHALL BE PROVIDED AT ALL NEW LIGHT TRANSMITTING ROOF PANELS - DESIGN BASED ON MANUFACTURER: "SAFETY RAIL SOURCE" MODEL: "SAF-T-SCREEN SKYLIGHT SCREEN SCS"

2 PROPOSED FLOOR PLAN
SCALE 1/8" = 1'-0"

REVISION	DATE	BY	DESCRIPTION

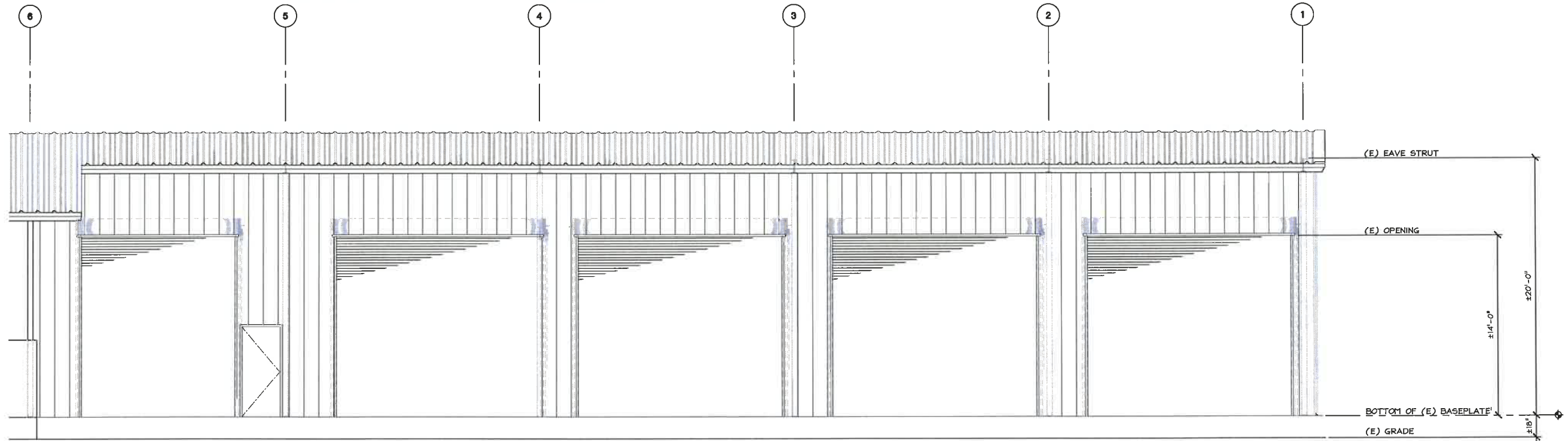
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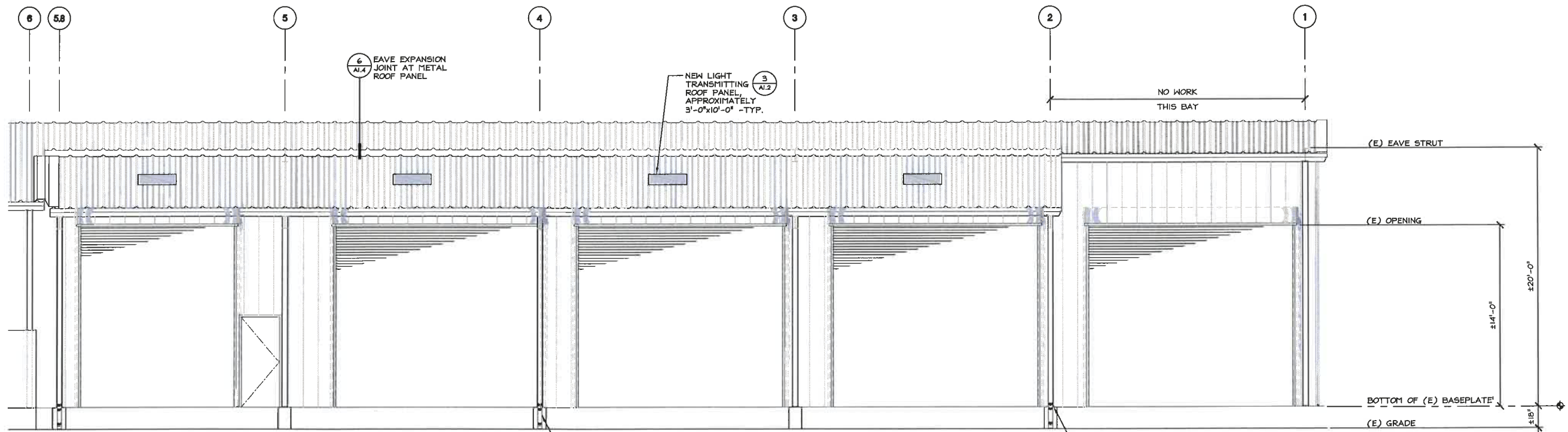
FLOOR PLAN
 855 E. LAUREL, BLDG A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
COUNTY OF MONTEREY
 855 LAUREL DRIVE, BUILDING A,
 SALINAS, CA 93905

DATE: -
 SCALE: AS NOTED
 DRAWN: C.J.
 JOB: 15101
 SHEET: **A2.1**

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1 EXISTING EXTERIOR ELEVATION
SCALE 1/8" = 1'-0"



NOTE FOR METAL BUILDING MANUFACTURER:
NO VERTICAL CROSS BRACING SHALL BE PROVIDED AT NEW RIGID FRAMES DUE TO VEHICULAR TRAFFIC REQUIREMENTS - PORTAL FRAMES SHALL BE PROVIDED AS NECESSARY TO RESIST LATERAL FORCES BUT IN ALL CASES A MINIMUM 16'-0" BY 14'-0" CLEARANCE SHALL BE PROVIDED

NEW GUTTER AND DOWNSPOUT -TYP. OF 3 DOWNSPOUTS PER METAL BUILDING MANUFACTURER

NEW BASE PLATES SHALL BE AT THE SAME HEIGHT AS EXISTING BASE PLATES - CONCRETE PEDESTAL HEIGHT SHALL MAKE UP THE DIFFERENCE IN GRADE

2 PROPOSED EXTERIOR ELEVATION
SCALE 1/8" = 1'-0"

REVISIONS	DATE	BY	DESCRIPTION



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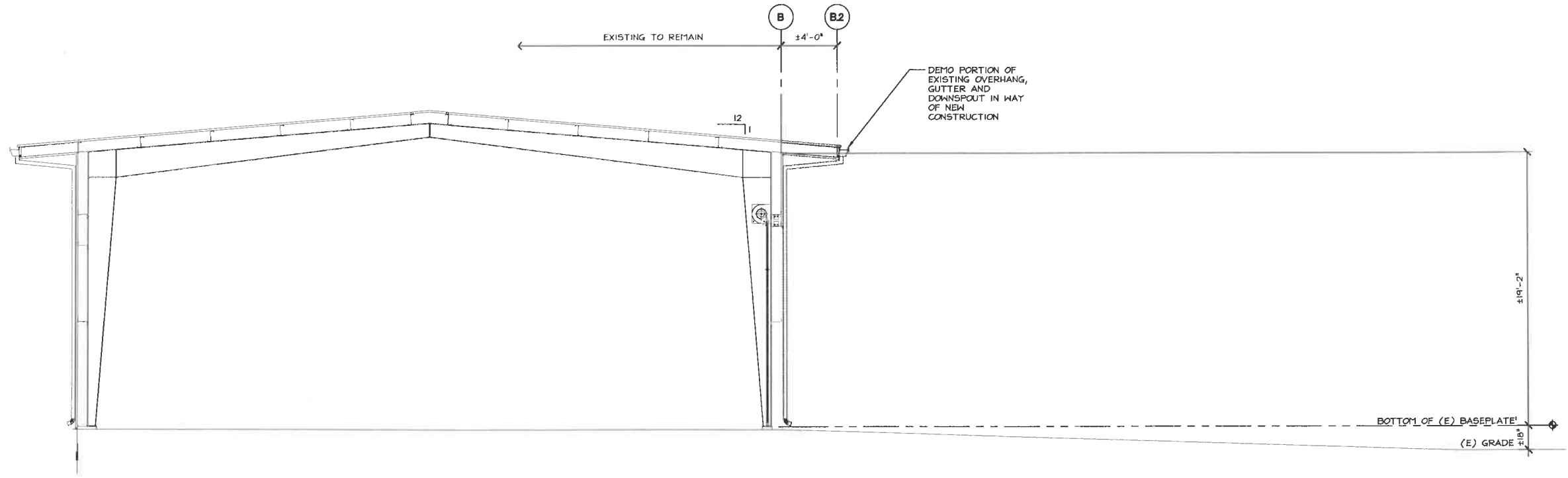
EXTERIOR ELEVATIONS
855 E. LAUREL, BLDG A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
COUNTY OF MONTEREY
855 LAUREL DRIVE, BUILDING A,
SALINAS, CA 95005

DATE -
SCALE AS NOTED
DRAWN C.J.
JOB 15101
SHEET

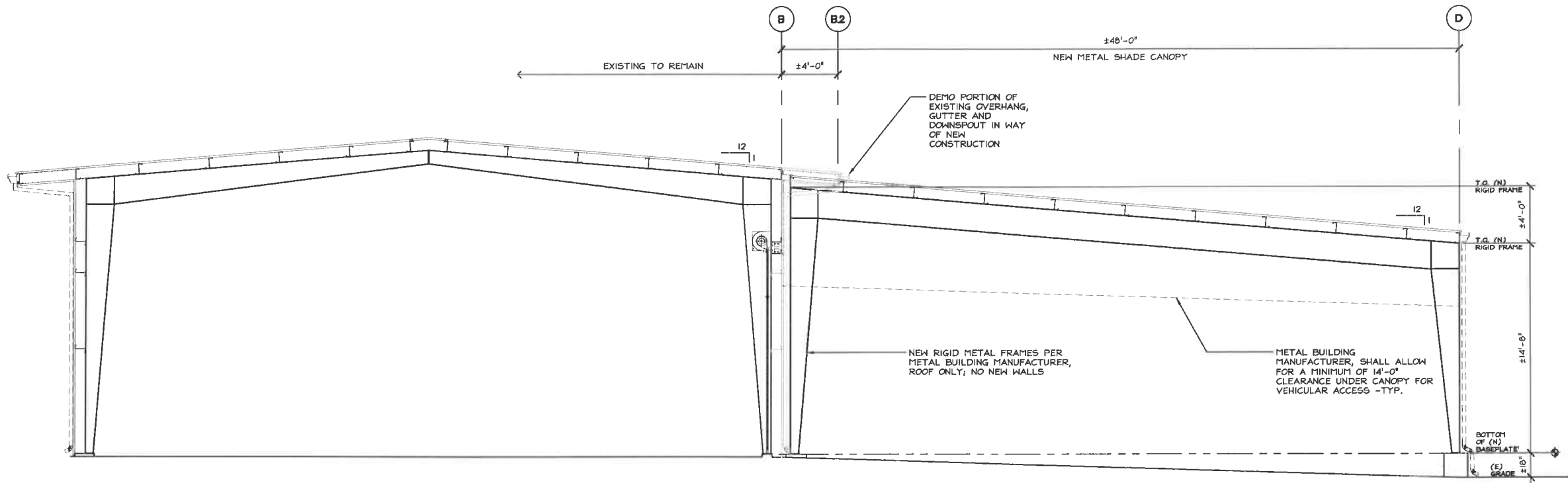
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OF SHEETS

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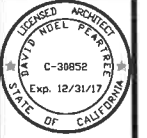


1 EXISTING BUILDING SECTION
SCALE: 1/8" = 1'-0"



2 PROPOSED BUILDING SECTION
SCALE: 1/8" = 1'-0"

REVISIONS DATE BY DESCRIPTION



Belli Architectural Group
Salinas, California
For (831) 424-4408



BUILDING SECTIONS
855 E. LAUREL, BLDG A -EQUIPMENT AND STORMWATER MANAGEMENT CANOPY
COUNTY OF MONTEREY
855 LAUREL DRIVE, BUILDING A,
SALINAS, CA 95405

DATE -
SCALE AS NOTED
DRAWN C.J.
JOB 15101
SHEET

A7.1

OF SHEETS

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GENERAL NOTES

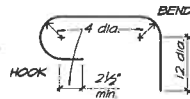
Site Condition: The Contractor shall examine and check all existing conditions, dimensions, levels and material and notify the Architect of discrepancies.

Footings: Footings shall extend a minimum of 24" below finished grade. Footings are proportioned for an allowable soil pressure of 2000 psf for dead plus live loads. See Earth Systems Pacific geotechnical report dated January 7, 2016.

Concrete: Concrete shall be proportioned to give a 28 day compressive strength of at least 2500 psi for slabs and foundations. The slump shall be the minimum consistent with the condition of placing but in general shall not exceed 4 inches. All concrete construction shall be in accordance with Chapter 19 of the California Building Code, 2013 Edition.

Reinforcing bars: Reinforcing bars shall be deformed bars conforming to ASTM Standard Specification A615 (ASTM 106 for welded reinforcing) Grade 40 for #4 bars and smaller and Grade 60 for #5 bars and larger. Reinforcing shall be placed in as long lengths as possible. Bars shall lap 60 dia. in concrete at splices unless otherwise shown or noted on the plans, using the diameter of the larger bar in case of difference in size. Splices shall be staggered and bars may be wired together at splices. Bend steel around corners 12" minimum. All reinforcing steel shall be in accordance with Chapter 19 of the California Building Code, 2013 Edition. Bar coverage (face of bar to face of concrete) shall be as follows unless noted otherwise.

Concrete slab on grade 1 1/2" min.
Concrete surface against earth 3" min.
When poured against forms exposed to weather or earth 2" min.
All others See details



Bars shall have bends and hooks as follows except as otherwise shown or noted:

Structural and Miscellaneous Steel: Wide flange steel beams shall conform to ASTM A992, Grade 50, plates shall conform to ASTM 572, Grade 50 and other structural and miscellaneous steel shall conform to ASTM A-36. Structural steel tubes shall conform to ASTM A500, Grade B. Fabrication, erection, welding and painting shall be in accordance with the latest edition of the American Institute of Steel Construction Specifications. All steel exposed to weather shall be galvanized.

Bolts: Washers shall be standard plain washers except as otherwise noted. Bolts shall conform to ASTM A-307. Bolts, nuts and washers shall be galvanized where exposed to the weather.

Epoxy Adhesive: Epoxy adhesive to be Simpson SET-XP adhesive per ICBO Report No. 2508, reissued June 1, 2013 or approved equal.

Special Inspections: The following special inspections, as required by Section 1705 of the California Building Code, 2013 Edition shall be provided during construction on the following types of work. The Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Owner. The Owner shall bear costs of the test and/or inspections.

- A. Structural Welding, per Section 1705.2.2 and Table 1705.2.1;
- B. Epoxy adhesive, per manufacturer's recommendations;

General Design Criteria:

Seismic:

Occupancy Category = II; I = 1.0
Seismic Design Category = "D", Site Class "D"
S_e = 1.50 g; S = 0.60g
F_a = 1.0; F_v = 1.5
S_{ms} = F_aS_e = 1.50g; F_v = 1.5
S_{m1} = F_vS_e = 0.90g
S_{d1} = 2/3 S_{m1} = 1.00
R = 3.5
V = S_{d1} / M = 0.29m (R/I)

Longitude & Latitude

Long: -121.63017
Lat: 36.64274

Wind:

Wind Exposure "C"
110 mph wind speed

Live Loads

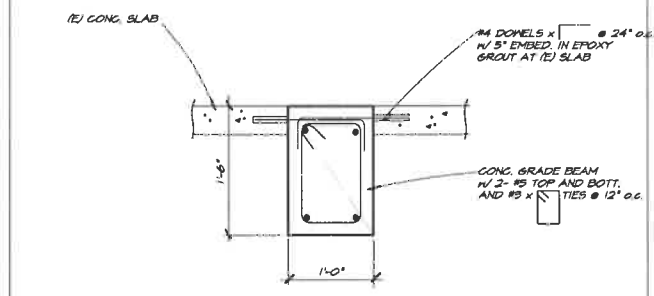
Roof Live Load = 20 psf

Structural Observation: During the construction the owner shall employ the structural engineer responsible for the structural design to make visits to the site to observe general compliance with the approved structural plans, specifications and change orders. The engineer shall submit a statement in writing to the building official stating the site visits have been made and that any deficiencies noted have been corrected.

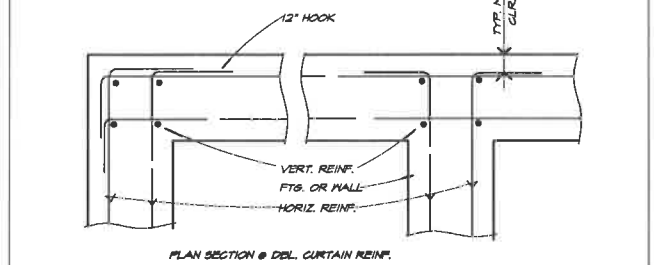
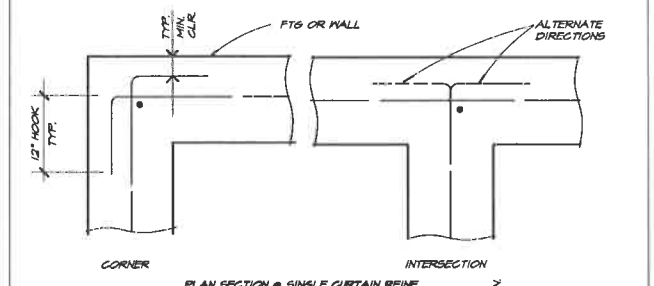
Note: All construction not specifically detailed shall be built to conform with similar construction shown and the requirements of the California Building Code, 2013 Edition.

ABBREVIATIONS

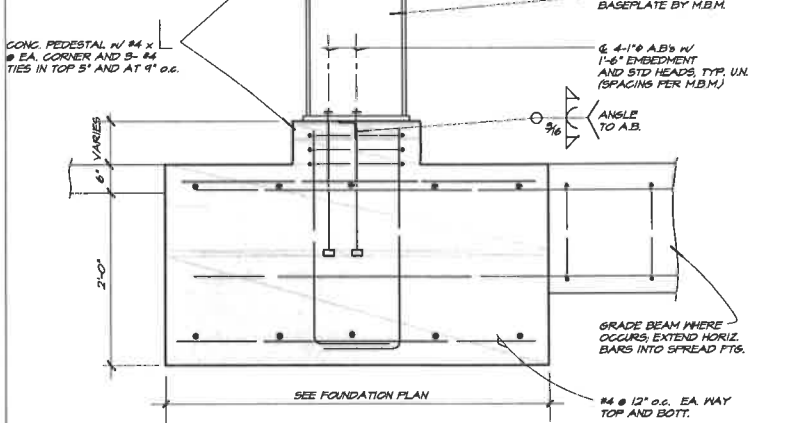
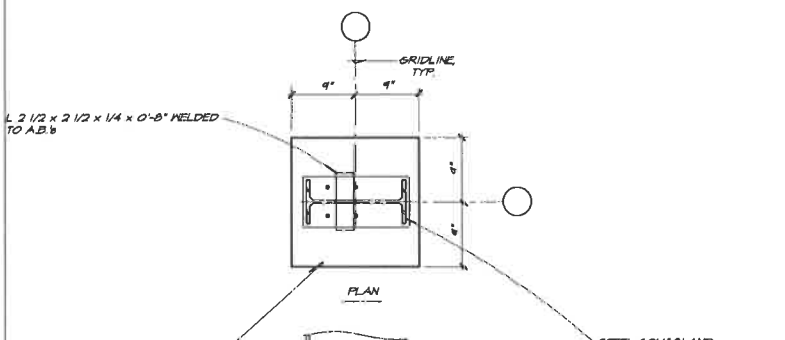
A.B. = Anchor Bolt	Frmg. = Framing	Perf. = Performed
Arch. Dngs. = Architectural Drawings	Fl. = Foot, Feet	Ply. = Plywood
Blk. = Block	Flg. = Footing	Pl. = Plate
Blkg. = Blocking	Ga. = Gauge	Reinf. = Reinforcing
Br. = Beam	Galv. = Galvanized	Ret. = Retaining
Bot. = Bottom	GL = Glulam beam	Req. = Requirements
Can. = Cantilever	GSM = Galvanized Sheet Metal	Rf. = Roof
CL = Center Line	Hdr. = Header	Rm. = Room
Clr. = Clear	Ht. = Height	Rdw. = Redwood
Col. = Column	Horiz. = Horizontal	S.B. = Solid Blocking
Compl. Pen. = Complete Penetration	Jst. = Joist	Shg. = Sheathing
Conc. = Concrete	Max. = Maximum	Sim. = Similar
Cont. = Continuous	M.B. = Machine Bolt	Sq. = Square
Dbl. = Double	M.B.M. = Metal Bldg Manufacturer Std.	Std. = Standard
D.F. = Douglas Fir	Mech. = Mechanical	T.E.N. = Typical Edge Nailing
Dia. = Diameter	Min. = Minimum	T.G. = Tongue and Groove
(E) = Existing	(N) = New	T.S. = Structural Steel Tube
Ea. = Each	N.T.S. = Not to Scale	Typ. = Typical
Flr. = Floor	O.C. = On Center	UN. = Unless Noted
Fnd. = Foundation	O.H. = Opposite Hand	Vert. = Vertical
F.O.C. = Face of Concrete	P.M.P. = Perforated Metal Pipe	W.U.F. = Welded Wire Fabric
F.O.S. = Face of Sluds	P.T.D.F. = Pressure Treated Douglas Fir	HL = Steel Beam
		H.A. = Wedge Anchor



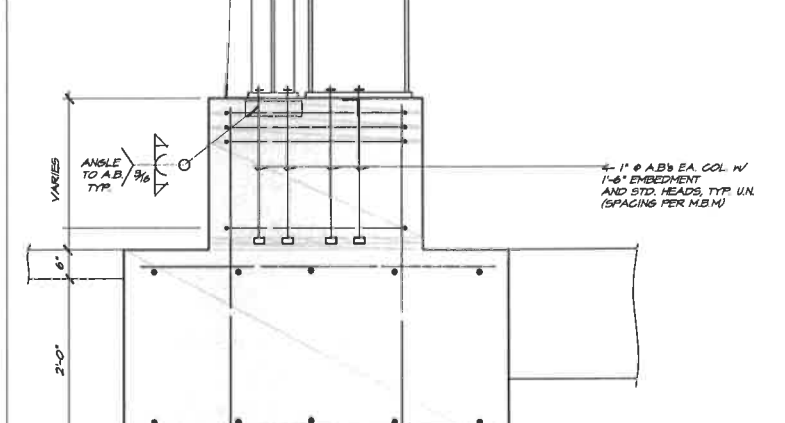
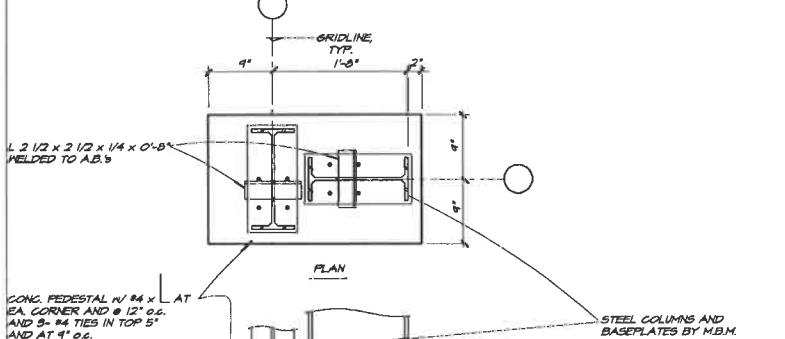
DETAIL 3
1" = 1'-0" S.I.



TYP WALL AND FOOTING REINF. @ CORNERS AND INTERSECTIONS
NO SCALE S.I.



DETAIL 1
1" = 1'-0" S.I.



DETAIL 2
1" = 1'-0" S.I.

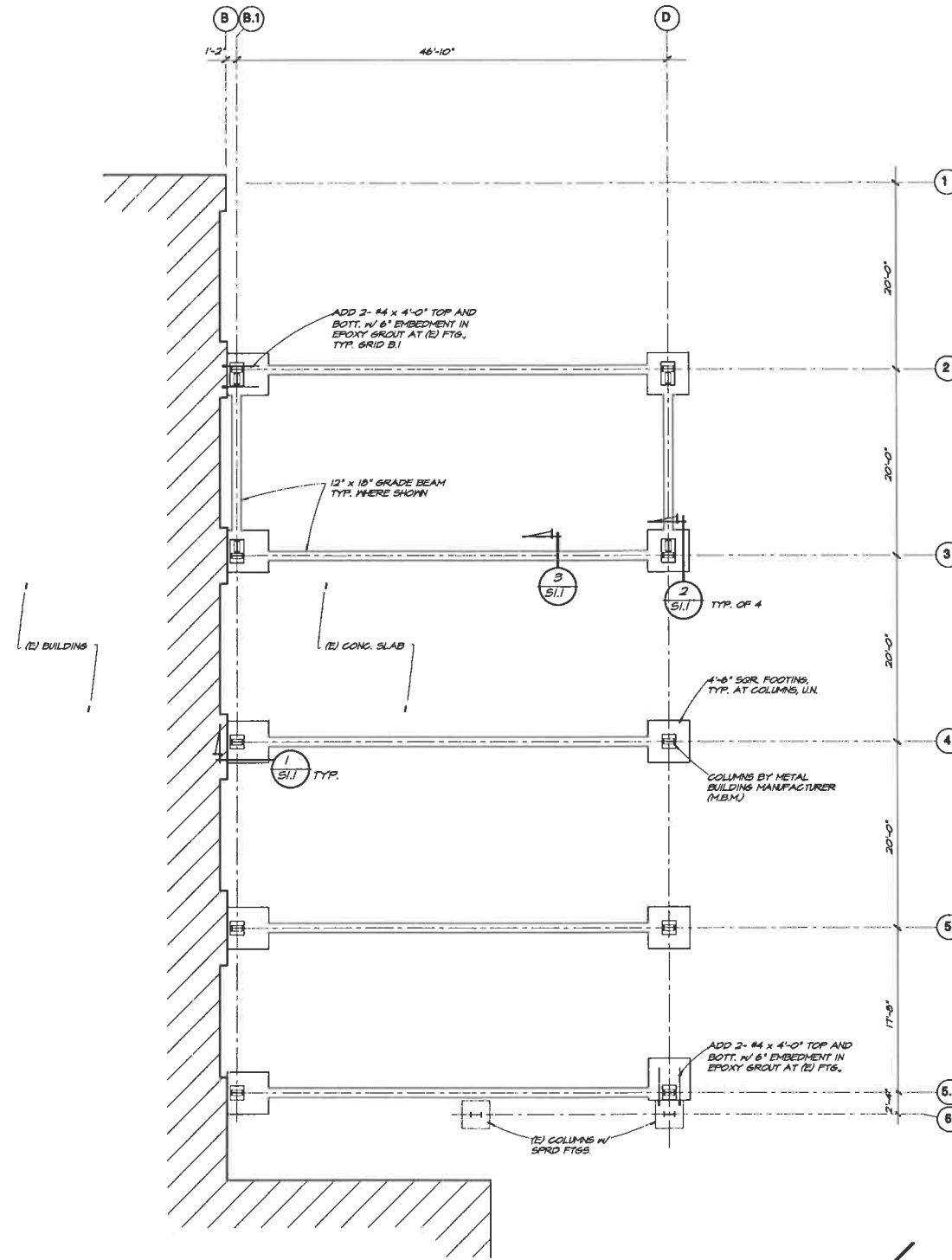
REVISIONS	DATE	BY	DESCRIPTION		
Belli Architectural Group			STRUCTURE		
FORM			FUNCTION		
FOUNDATION PLAN					
NEW SHADE CANOPY					
COUNTY OF MONTEREY					
855 LAUREL DRIVE, BUILDING A, 95025					
SALINAS, CALIFORNIA					
313 Salinas Street Salinas, California Phone (831) 424-4620, Fax (831) 424-4408					
DATE					
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OF SHEETS					



DONALD C. LUYER AND ASSOC. INC.
CIVIL AND STRUCTURAL ENGINEERS
2714 FORSTER STREET SUITE 200 SALINAS CA 95075
(831) 424-4620

5 FEB 2016 10:00 K.K.

5 FEB 2016 10:20 K.M.



FOUNDATION PLAN

1/8" = 1'-0"

- NOTES.
1. DIMENSIONS ARE TO CENTERLINE OF COLUMNS UNLESS NOTED
 2. CENTER FOOTINGS ON COLUMNS UNLESS NOTED OR SHOWN OTHERWISE



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 CIVIL AND STRUCTURAL ENGINEERS
 8714 PORTER STREET, SUITE 200, CA 94025
 415.476.2801

FOUNDATION PLAN
 NEX SHADE CANOPY
 COUNTY OF MONTEREY
 885 LAUREL DRIVE, BUILDING A, 95005
 SALINAS, CALIFORNIA

DATE	
SCALE	AS NOTED
DRAWN	DL
JOB	
SHEET	82.1
OF SHEETS	82.1



Belli Architectural Group
 FORM STRUCTURE
 FUNCTION
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 Salinas, California
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REVISIONS	DATE	BY	DESCRIPTION

Drawing No. 20160303 (Rev. 08/2016) See Notes on Back of Sheet
 1. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN FEET AND INCHES. INDICATED DIMENSIONS SHALL BE FURNISHED TO THE CONTRACTOR BY THE ARCHITECT, AND SHALL BE THE BASIS FOR THE CONTRACTOR'S FABRICATION OF THE WORK.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AND STATE AUTHORITIES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORD DRAWINGS FROM THE ARCHITECT.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORD DRAWINGS FROM THE ARCHITECT.

GENERAL NOTES

- THIS PROJECT IS A REMODEL.** THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.
- MECHANICAL CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK.
- CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- CONTRACTOR SHALL VERIFY THAT THE ELECTRICAL CONNECTIONS TO THE UNITS, INCLUDING CIRCUIT PROTECTION, CONFORM TO UNIT LABELS AND MANUFACTURER'S DIRECTIONS. WHERE WIRE SIZES SHOWN ON DRAWING EXCEED MANUFACTURER'S RECOMMENDATIONS, THE DRAWINGS SHALL GOVERN. ALL WIRING SHALL BE PER THE NATIONAL ELECTRICAL CODE.
- COORDINATE WITH THE ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT TO THERMOSTAT LOCATIONS SHOWN ON THE MECHANICAL PLANS.
- ALL CONTROL WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- LINE VOLTAGE WIRING AND CONDUIT FOR EACH CONTROL DAMPER SHALL BE BY ELECTRICAL CONTRACTOR.
- COORDINATE EXACT REGISTER LAYOUT WITH LIGHTS.
- SUPPORT DUCTS TIGHT BELOW STRUCTURE WHEREVER POSSIBLE
- PROVIDE ACOUSTICAL LINING IN ALL DUCTS WITHIN 15 FEET OF UNITS. PROVIDE FLEXIBLE CONNECTION ON INLET AND OUTLET DUCT CONNECTIONS.
- FLASHING AND WEATHERPROOFING AT EXTERIOR PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- ALL DUCTWORK IS CONCEALED UNLESS OTHERWISE NOTED.
- PRIME AND PAINT ALL EXPOSED DUCTWORK PER ARCHITECTURAL SPECIFICATIONS. PAINT SHALL NOT EXCEED THE FOLLOWING VOC CONTENT LIMITS: FLATS < 50 G/L, NON-FLATS < 100 G/L.
- ADHESIVES, SEALANTS AND CAULKS USED INDOORS SHALL NOT EXCEED THE FOLLOWING VOC LIMITS PER TITLE 24, PART 11, SECTION 5.504.
 - METAL TO METAL < 30 G/L
 - FIBERGLASS < 80 G/L
 - CONTACT ADHESIVE < 80 G/L
 - MASTICS > 100 G/L
 - ZINC-RICH PRIMERS < 340 G/L
 - FIRE RESISTANT COATINGS < 350 G/L
- HVAC EQUIPMENT SHALL NOT CONTAIN CFC'S OR HALONS PER TITLE 24, PART 11, SECTION 5.50B.
- AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC OR SHEET METAL TO PROTECT THE AIR DISTRIBUTION SYSTEM FROM CONTAMINATION WITH DUST AND DEBRIS.

MECHANICAL SPECIFICATIONS

- SCOPE:** PROVIDE COMPLETE HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND SERVICES. PROVIDE EXHAUST FANS WHERE INDICATED.
- COORDINATION:** COORDINATE WITH GENERAL CONTRACTOR AND ALL OTHER TRADES.
- CODES:** THIS WORK SHALL CONFORM TO ALL LOCAL CODES, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE AND CALIFORNIA PLUMBING CODE.
- FEES:** CONTRACTOR SHALL PAY ALL FEES IN CONNECTION WITH THIS WORK.
- DRAWINGS:** DRAWINGS ARE SCHEMATIC. ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED IN THE FIELD AND APPROVED BY ARCHITECT.
- CUTTING:** REPAIR ALL SURFACES CUT IN THIS WORK TO MATCH ORIGINAL. NO CUTTING OF STRUCTURAL ELEMENTS IS ALLOWED WITHOUT PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
- MAINTENANCE:** ALL EQUIPMENT SHALL BE ACCESSIBLE FOR MAINTENANCE.
- GUARANTEE:** ALL WORKMANSHIP, EQUIPMENT AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR AFTER DATE OF ACCEPTANCE.
- CONTROLS:** CONTRACTOR SHALL FURNISH ALL CONTROLS AND STARTERS FOR HIS EQUIPMENT. PROVIDE WIRING DIAGRAM FOR APPROVAL PRIOR TO INSTALLATION.
- BALANCING:** CONTRACTOR SHALL BALANCE THE AIR SYSTEM TO WITHIN 10% OF THE DESIGN QUANTITIES.
- DUCTWORK:** ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL AND IN ACCORDANCE WITH SMACNA MANUAL. AIR TIGHT AND SMOOTH. SECURELY FASTENED AND SUPPORTED. NET INSIDE SIZES ARE SHOWN. 90 DEGREE ELBOWS SHALL HAVE TURNING VANES. DUCT LINING SHALL BE OWENS-CORNING "AEROFLEX" OR DUCT LINER BOARD INSTALLED WITH CLIPS AND 100% COVERAGE OF ADHESIVE, ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. FLEXIBLE DUCTWORK SHALL BE 1" THICKNESS, UL CLASS 1 AND LIMITED TO CONNECTIONS TO AIR TERMINAL DEVICES, MAXIMUM 8' LONG.
- SUBMITTALS:** WITHIN 15 DAYS OF SIGNING A CONTRACT, PROVIDE SUBMITTALS ON ALL EQUIPMENT AND AIR DISTRIBUTION COMPONENTS.
- STRUCTURAL:** CONTRACTOR SHALL CONSULT AND OBTAIN DIRECTION OF THE STRUCTURAL ENGINEER ON STRUCTURAL SUPPORT OF ALL MECHANICAL EQUIPMENT.

PLUMBING SPECIFICATION

- SCOPE:** PROVIDE PLUMBING SYSTEMS, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND SERVICES.
- COORDINATION:** COORDINATE WITH GENERAL CONTRACTOR AND ALL OTHER TRADES.
- CODES:** THIS WORK SHALL CONFORM TO ALL LOCAL CODES, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE AND CALIFORNIA PLUMBING CODE.
- FEES:** CONTRACTOR SHALL PAY ALL FEES IN CONNECTION WITH THIS WORK. CONNECTION CHARGES BY OWNER.
- DRAWINGS:** DRAWINGS ARE SCHEMATIC. ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED IN THE FIELD AND APPROVED BY ARCHITECT.
- CUTTING:** REPAIR ALL SURFACES CUT IN THIS WORK TO MATCH ORIGINAL. NO CUTTING OF STRUCTURAL ELEMENTS IS ALLOWED WITHOUT PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
- MAINTENANCE:** ALL EQUIPMENT SHALL BE ACCESSIBLE FOR MAINTENANCE.
- GUARANTEE:** ALL WORKMANSHIP, EQUIPMENT AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR AFTER DATE OF ACCEPTANCE.
- SUBMITTALS:** WITHIN 15 DAYS AFTER SIGNING A CONTRACT, PROVIDE SUBMITTALS ON ALL PLUMBING EQUIPMENT.
- STRUCTURAL:** CONTRACTOR SHALL CONSULT AND OBTAIN DIRECTION FROM THE STRUCTURAL ENGINEER ON STRUCTURAL SUPPORT OF ALL PLUMBING EQUIPMENT.
- TESTING, ADJUSTING AND CLEANING:** TEST ALL PIPING, VALVES, CLEAN OUTS, ETC. AS LISTED BELOW AND PROVIDE THE ARCHITECT WITH CERTIFIED COPIES OF TEST RESULTS. THE INSPECTION AUTHORITY HAVING JURISDICTION AND THE SUPERVISING ARCHITECT SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO PERFORMANCE OF ALL TESTS SO THAT THEY MAY BE WITNESSED.

ALL WATER PIPING SHALL BE TESTED TO 100 PSIG WITH POTABLE WATER AND HELD FOR 2 HOURS WITHOUT DROP IN PRESSURE BEFORE IT IS COVERED AND CONCEALED. EQUIPMENT AND PERSONNEL SHALL BE PROTECTED FROM THIS TEST PRESSURE.

ALL PARTS OF THE SOIL, WASTE AND DRAINAGE SYSTEM SHALL BE TESTED HYDRAULICALLY BY FILLING TO THE HIGHEST VENT POINT WITH WATER. PIPING MAY BE TESTED IN SECTIONS BUT SHALL BE SUBJECTED TO A HEAD NOT LESS THAN 10 FEET. STAND PIPE INSTALLED FOR A HEAD TEST SHALL BE 2 INCH MINIMUM. TEST PRESSURE SHALL BE HELD FOR 15 MINUTES BEFORE INSPECTION STARTS AND WATER LEVEL SHALL REMAIN STATIONARY FOR NOT LESS THAN 1 HOUR.

ADJUST AND REGULATE ALL FAUCETS, VALVES, WATER HEATING EQUIPMENT, ETC. AND TURN OVER TO THE OWNER IN PERFECT WORKING ORDER.

FLOOR DRAIN STRAINERS AND CLEAN OUT COVERS SHALL BE FREED, CLEANED AND POLISHED.

UPON COMPLETION OF THE WORK, CLEAN ALL EQUIPMENT AND PIPING INSTALLED UNDER THIS SECTION AND THOROUGHLY WASH AND POLISH ALL PLUMBING FIXTURES, FITTINGS AND TRIM, REMOVING LABELS THEREFROM.
- VERIFICATION OF EXISTING CONDITIONS:** IT SHALL BE ONE OF THE RESPONSIBILITIES UNDER THIS SECTION TO EXAMINE THE SITE OF WORK AND, AFTER INVESTIGATION, TO DETERMINE THE CHARACTER OF THE MATERIALS TO BE ENCOUNTERED AND THE EXISTING CONDITIONS AFFECTING THE WORK.
- EXCAVATION AND BACKFILLING:** EXCAVATION SHALL BE UNCLASSIFIED AND SHALL INCLUDE THE REMOVAL OF ALL BURIED OBSTRUCTIONS WITHIN THE AREA TO BE EXCAVATED. TRENCH TO REQUIRED DEPTHS. TRENCH TO BE FREE OF WATER.

TAMP BOTTOM OF TRENCH. EXCAVATE BELL HOLES SO PIPE SHALL REST FOR ENTIRE LENGTH ON SOLID GROUND. REMOVE ALL ROCKS AND TAMP AND COMPACT 1/2" TO 1-1/2" BROKEN STONE OR GRAVEL SAND ON BOTTOM OF TRENCH BEFORE LAYING PIPE. INSTALLED PIPING TO BE TESTED, INSPECTED AND APPROVED FOR BACKFILL MATERIAL. MATERIAL: IMPORTED SANDY SOIL IN LAYERS NOT EXCEEDING 8". MOISTEN AND MACHINE TAMP TO ORIGINAL CONDITION. BACKFILL SHALL BE COMPACTED TO A DENSITY OF 95% AS DETERMINED BY THE LABORATORY TEST PROCEDURE IN ASTM D1557.
- STERILIZATION:** BEFORE BEING PLACED IN SERVICE, ALL DOMESTIC COLD WATER DISTRIBUTION SYSTEMS SHALL BE STERILIZED IN ACCORDANCE WITH THE AWWA STANDARD SPECIFICATION, LATEST EDITION AND AMENDMENTS. AFTER STERILIZATION, THE SYSTEM SHALL BE FLUSHED WITH POTABLE WATER UNTIL THE STERILIZATION RESIDUE IS WITHIN THE TOLERABLE LIMITS FOR DOMESTIC WATER.
- MATERIALS:** SOIL, WASTE, DRAIN AND VENT PIPE SHALL BE ABS PLASTIC.

WATER PIPING: HARD COPPER WATER TUBE, CONFORMING TO ASTM B88 TYPE "L" ABOVE GROUND, WITH WROUGHT COPPER FITTINGS SCHEDULE 40 PVC BELOW GROUND.
- ADHESIVES, SEALANTS AND CAULKS USED INDOORS SHALL NOT EXCEED THE FOLLOWING VOC LIMITS PER TITLE 24, PART 11, SECTION 5.504.
 - PVC WELDING < 510 G/L
 - CPVC WELDING < 490 G/L
 - ABS WELDING < 325 G/L
 - MASTICS > 100 G/L
 - ZINC-RICH PRIMERS < 340 G/L
 - FIRE RESISTANT COATINGS < 350 G/L
- PLUMBING FIXTURES SHALL NOT EXCEED THE MAXIMUM FLOW AT 20% REDUCTION RATES LISTED IN TABLE 5.303.2.3 OF TITLE 24, PART 11.

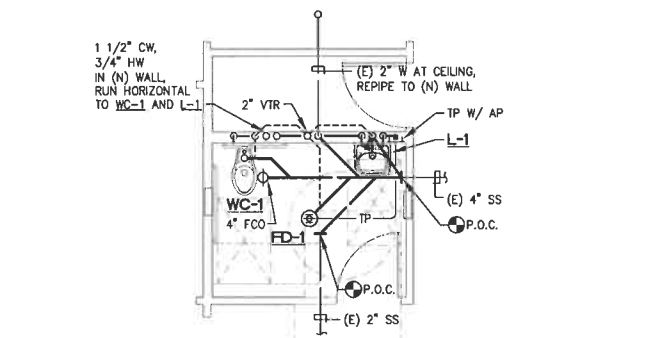
PLUMBING FIXTURE CONNECTIONS

MARK	DESCRIPTION	MIN BRANCH SIZE				TRAP	REMARKS
		W	V	CW	HW		
WC-1	FLOOR MOUNTED WATER CLOSET	3"	2"	1"	-	INTEGRAL	1 2
L-1	WALL MOUNTED LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	1 1/2"	1 2
FD-1	FLOOR DRAIN	2"	1 1/2"	-	-	2"	3

- SEE PLUMBING FIXTURE LIST
- MUST MEET STATE OF CALIFORNIA REQUIREMENTS FOR ACCESSIBILITY
- J.R. SMITH, FIGURE 2005, 5" NICKEL BRONZE TOP, TRAP PRIMER CONNECTION

PLUMBING FIXTURE SPECIFICATION

- FIXTURES SHALL BE COMPLETE WITH ALL FITTINGS, SUPPORTS, FASTENING DEVICES, FAUCETS, VALVES, 17 GAUGE TRAPS, STOPS, CAULKING AND APPURTANCES REQUIRED. FIXTURE COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED.
- WATERCLOSET WC-1: KOHLER "HIGHLINE", MODEL K-4405, FLOOR MOUNTED, ELONGATED BOWL, 17 1/8" HIGH, 1.28 GALLON PER FLUSH. MUST MEET ALL STATE OF CALIFORNIA REQUIREMENTS FOR ACCESSIBILITY. SEAT: KOHLER, MODEL K-4731-C, OPEN FRONT, LESS COVER. FLUSH VALVE: MOEN, MODEL 8311, SENSOR OPERATED BATTERY POWERED.
 - LAVATORY L-1: KOHLER K-2005 "KINGSTON", WALL MOUNTED, VITREOUS CHINA, THREE HOLES SIZE = 22-1/4"x18-1/8". MUST MEET ALL STATE OF CALIFORNIA REQUIREMENTS FOR ACCESSIBILITY. CARRIER: MOEN, MODEL CAB301, SENSOR OPERATED, BATTERY POWERED, VANDAL RESISTANT, .5 GPM FLOW RATE. FURNISH WITH MOEN MODEL 104451 MIXING VALVE. OFFSET GRID STRAINER DRAIN: KOHLER K-7131-A. SUPPLIES WITH STOPS: KOHLER, K-7605 P-TRAP INSULATION KIT: TRUEBRO INC., MODEL #103-E-Z, ONE P-TRAP COVER, TWO ANGLE VALVE COVERS, ONE 1-1/4" OFFSET GRID DRAIN COVER.



(N) UNISEX RESTROOM FLOOR PLAN - PLUMBING

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

(E) RESTROOMS FLOOR PLAN - PLUMBING DEMOLITION

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

HVAC LEGEND

SYMBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
		AIR DUCT	HP	HORSEPOWER
	BD	BALANCING DAMPER	LBS	POUNDS
		AIR FROM DEVICE	MAX	MAXIMUM
		AIR TO DEVICE	MBH	1000 BTU PER HOUR
		SECTION THROUGH SUPPLY	MECH	MECHANICAL
		SECTION THROUGH RETURN	MFR	MANUFACTURER
		SECTION THROUGH EXHAUST	MIN	MINIMUM
		THERMOSTAT	(N)	NEW
	F/D	VERTICAL FIRE DAMPER	OA	OUTSIDE AIR
	BT	BYPASS TIMER	ODD	OPPOSED BLADE DAMPER
	P.O.C.	POINT OF CONNECTION	OC	ON CENTER
	F	DEGREES FAHRENHEIT	OD	OUTSIDE DIAMETER
	AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	OV	OUTLET VELOCITY
	ARCH	ARCHITECT/ARCHITECTURAL	PC	PLUMBING CONTRACTOR
	BLDG	BUILDING	PD	PRESSURE DROP
	BTUH	BRITISH THERMAL UNITS PER HOUR	PH	PHASE
	CFM	CUBIC FEET PER MINUTE	RA	RETURN AIR
	CLG	CEILING	RM	ROOM
	CONN	CONNECTION	RPM	REVOLUTIONS PER MINUTE
	CONT	CONTINUED, CONTINUATION	SA	SUPPLY AIR
	COORD	COORDINATE	SC	SENSIBLE COOLING
	DN	DOWN	TV	TURNING VANES
	DWGS	DRAWINGS	TYP	TYPICAL
	(E)	EXISTING	V	VOLT
	EER	ENERGY EFFICIENCY RATIO	W/	WITH
	ESP	EXTERNAL STATIC PRESSURE	WT	WEIGHT

PLUMBING LEGEND

SYMBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
	CW	COLD WATER (DOMESTIC)	COORD	COORDINATE
	HW	HOT WATER	DN	DOWN
	HWR	HOT WATER RETURN	DWGS	DRAWINGS
	V	VENT	(E)	EXISTING
	G	GAS (7" WC)	MIN	MINIMUM
	S OR W	SOIL OR WASTE ABOVE GRADE	(N)	NEW
	S OR W	SOIL OR WASTE BELOW GRADE	VTR	VENT THROUGH ROOF
		RISE UP	W/	WITH
	ELL	ELBOW DOWN		
	TEE	TEE DOWN		
	CAP	CAP		
	CONT	CONTINUATION		
		BALL VALVE		
		UNION		
	WHA	WATER HAMMER ARRESTOR		
	HB	HOSE BIBB		
	GCO/FCO	GRADE CLEAN-OUT/FLOOR CLEAN-OUT		
	WCO	WALL CLEAN-OUT		
		THERMOMETER		
	P.O.C.	POINT OF CONNECTION		

LEGENDS, SCHEDULES, NOTES AND FLOOR PLANS - MECHANICAL AND PLUMBING

AXIOM ENGINEERS
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