





RAYFIELD
@ EASTMARK

ALTERNATE EXTERIOR ELEVATION ELEMENT SUBSTITUTIONS AND/OR DELETIONS:

- METAL SIDING CAN BE REDUCED TO 6'-8" (EYE LEVEL) FROM GROUND. AREA FROM WHICH METAL SIDING WAS REMOVED SHALL BE REPLACED WITH STUCCO.

ALL KEYNOTES MAY NOT BE USED

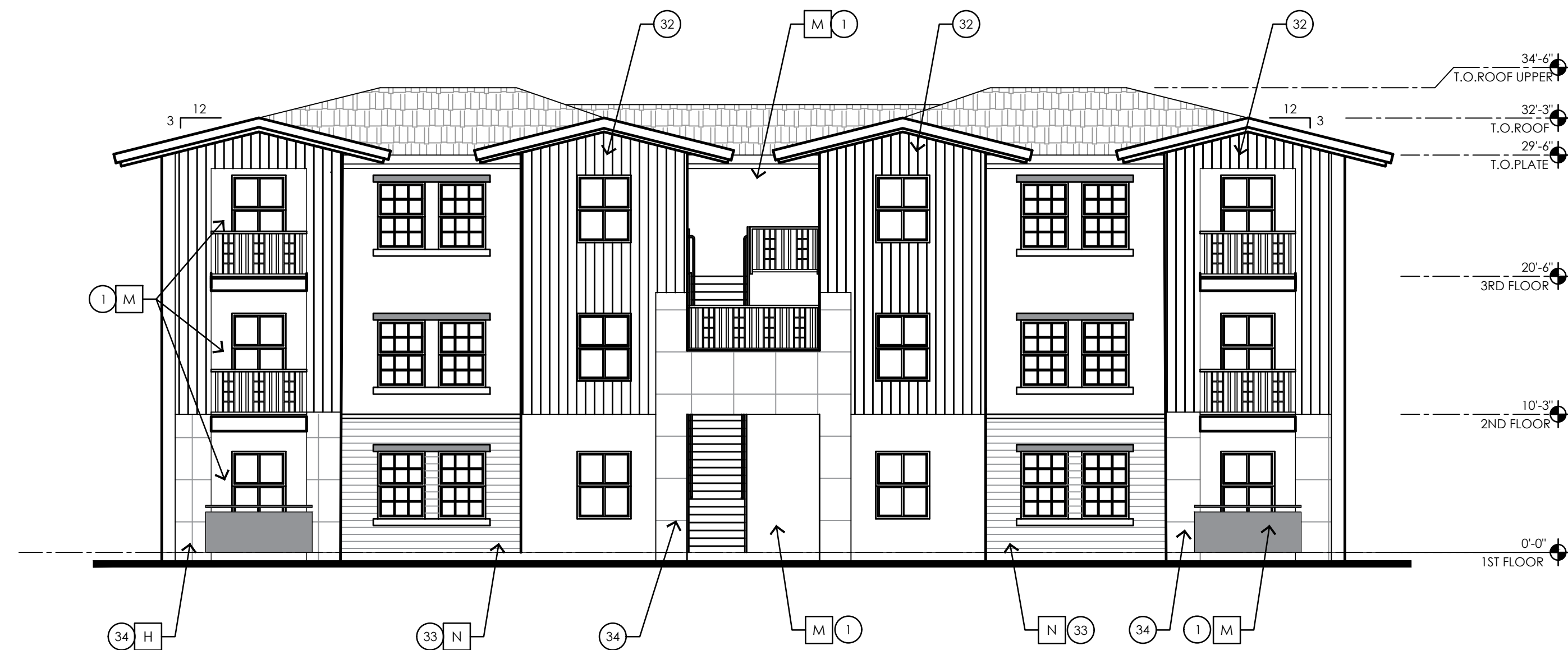
- CEMENT STUCCO SYSTEM WITH SAND FINISH
- CMU VENEER - REFER TO SCHEDULE FOR FINISH AND COLOR
- STANDING SEAM METAL PANEL ROOF SYSTEM
- METAL FASCIA - PAINT PER COLOR SCHEDULE
- METAL AWNING - REFER TO DETAILS SHEET A8.7 AND COLOR SCHEDULE
- STEEL COLUMNS / BEAMS
- ALUMINUM STOREFRONT SYSTEM
- PARAPET WALL WITH PARAPET METAL CAP
- EXPOSED 4XB16 CMU - REFER TO SCHEDULE FOR FINISH AND COLOR
- CAST-IN PLACE CONCRETE - NATURAL GRAY
- STEEL GUARDRAIL - WITH DECORATIVE STEEL SHEET PANEL - REFER TO COLOR SCHEDULE
- STUCCO CONTROL JOINT - SEE DETAIL 9/A8.6
- FOAM POP-OUT
- FOAM POP-OUT AT WINDOW SILL
- CHIMNEY
- GARAGE DOOR/ ROLLING SHUTTER
- BALCONY SCUPPER - PAINT TO MATCH WALL WHERE OCCURS
- ELECTRIC METERS
- METAL PANEL APPLICATION
- DOOR - PER PLAN
- DECORATIVE METAL EYEBROWS 18" PROJECTION
- AWNING STEEL SUPPORT ROD - SEE DETAILS SHEET A8.7.
- FABRIC SHADE
- CONCRETE WINDOW SILL
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- PAINTED STEEL BEAM
- FASCIA FINISH
- CONTROL JOINT
- DECORATIVE METAL GUARDRAIL
- FOAM CHAIR RAIL POP OUT
- TILE
- ARCHITECTURAL METAL WALL PANELING - VERTICAL SEAMS
- WOOD LOOK COMPOSITE CLADDING
- LARGE FORMAT TILE CLADDING
- CONCRETE ROOF FILE

GENERAL NOTES

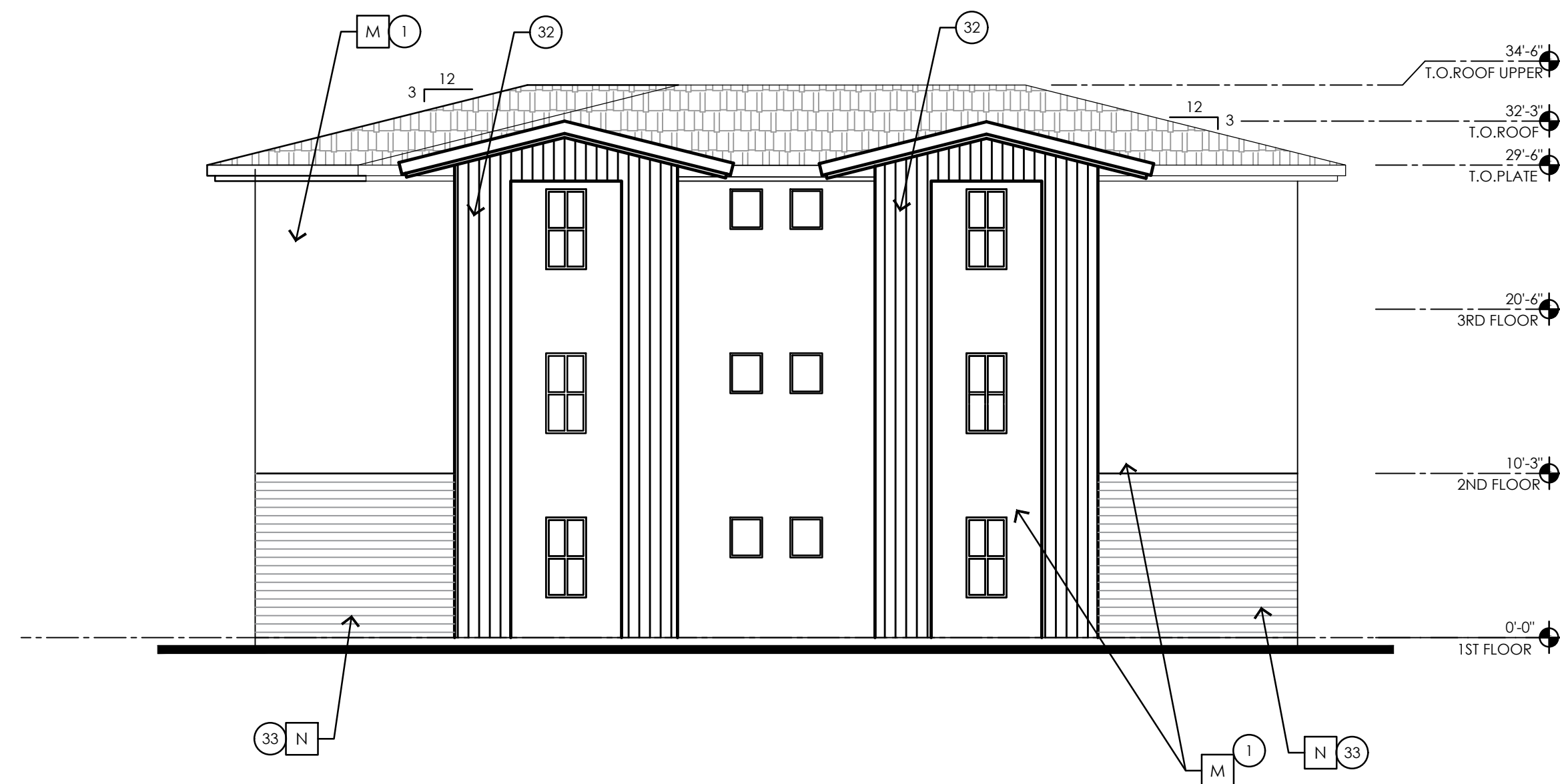
- PAINT ALL VENTS, FLASHING, MISC. MATERIALS TO MATCH ADJACENT BUILDING COLOR U.N.O.
- STUCCO TEXTURE IS GUN DASH REFER TO SPECIFICATIONS "ALTERNATES" FOR ADDITIONAL FINISH TYPE. COORDINATE WITH GEN. CONTRACTOR.
- VERIFY ALL FINISHES WITH GEN. CONTRACTOR PRIOR TO APPLICATION
- VERIFY ALL COLOR SELECTIONS WITH COLORED ELEVATIONS & OWNER PRIOR TO APPLICATION.
- ALL PAINT COLOR CHANGES TO TERMINATE ON INSIDE CORNERS ONLY
- ROOFING SHALL BE INSTALLED IN ACCORDANCE W/MANUFACTURER'S SPECIFICATIONS.
- PROVIDE SEALANT AT ALL STUCCO PENETRATIONS
- ALL CONTROL JOINTS & REVEALS TO TERMINATE ON INSIDE CORNERS ONLY
- HORIZONTAL GROUT LINES TO HAVE "V" CONTOUR
- VERTICAL GROUT LINES TO BE FLUSH
- ANTI-GRAFFITI COATING AT CMU WALLS/VENEER (@ BUILDINGS COATING TO EXTEND UP TO 2ND FINISH FLOOR)
- ALL EXTERIOR MISC. METALS TO BE FILLED PAINTED, OR POWDER COATED AS PER OWNER REQUIREMENT.

EXTERIOR COLOR SCHEDULE

COLOR SCHEME (STUCCO TEXTURE IS SAND FINISH)	
LOCATION	COLOR/ FINISH
A STUCCO COLOR 1	COLOR: DUNN EDWARDS DE6213 - FINE GRAIN
B STUCCO COLOR 2	COLOR: DUNN EDWARDS DE6214 PIGEON GRAY
C STUCCO COLOR 3	COLOR: DUNN EDWARDS DE6378 JET
D STUCCO COLOR 4	COLOR: DUNN EDWARDS DE6376 LOOKING GLASS
E METAL FASCIA/ BALCONY FACE/ STEEL COLUMN	ANODIZED BRONZE
F HORIZONTAL METAL SIDING	COLOR TO MATCH: DUNN EDWARDS DE6376 LOOKING GLASS
G STANDING SEAM METAL ROOF	COLOR TO MATCH: DUNN EDWARDS DE6376 LOOKING GLASS
H CMU WALL/ VENEER	SANDBLASTED NATURAL GREY FINISH
J RAILINGS / STAIRS	DUNN EDWARDS DE6378 - JET
K WINDOW FRAMES/ METAL AWNINGS	ANODIZED BRONZE
L GLU-LAM BEAMS	CLEAR VARNISH
M STUCCO COLOR 5	COLOR - WHITE
N WOODEN PANEL	COLOR - BROWN



1 FRONT ELEVATION



2 SIDE ELEVATION

ADDRESSING

Approved Building Addressing must comply with City of Mesa Fire Detail FPD 505.1.

Approved street addressed, including building/suite numbers, shall be placed on all new and existing buildings in such a position as to be plainly visible and legible from the street or road fronting the property. Said numbers shall contrast with their background.

No street address or building number shall be posted under a gable or obstructed by any feature or foliage.

Address numbers should be no lower than the first story or on a sign at each entrance facing the designated property address. Numbers shall be a minimum 12" high with a 2" stroke and contrast the facility colors.



NO	DATE	DESCRIPTION
	7/26/2021	CITY REVIEW (P&Z)

THE PREMIERE AT EASTMARK 3.0
 JENNINGS HOLDINGS L.L.C.
 5029 S. ELLSWORTH RD. MESA, AZ
 ARCHSTRUCT LLC
 345 N. BEVERLY MESA, AZ 85201
 TEL: (602) 750-0445 WWW.ARCHSTRUCTDB.COM

THE OWNER, ARCHITECT, AND ENGINEER EXPRESSLY DISCLAIM ANY RESPONSIBILITY ARISING FROM ANY UNAUTHORIZED USE OF THESE PLANS, DRAWINGS, AND NOTES. ANY AUTHORIZATION MUST BE IN WRITING.
 THIS DRAWING COPY MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENT THAN ORIGINALLY DRAWN. THE OWNER, ARCHITECT, AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE USE OF INCORRECT SCALE.

AHJ STAMP

CITY PROJECT NUMBER:

DRAWING TITLE: **Building Type 1 Exterior Elevations**

PROJECT NO: DRAWING NUMBER:

A3.1.1



17

Two people standing near the entrance of the building.

A person standing on a balcony of the building.

A person standing on a balcony of the building.

A person standing on a balcony of the building.

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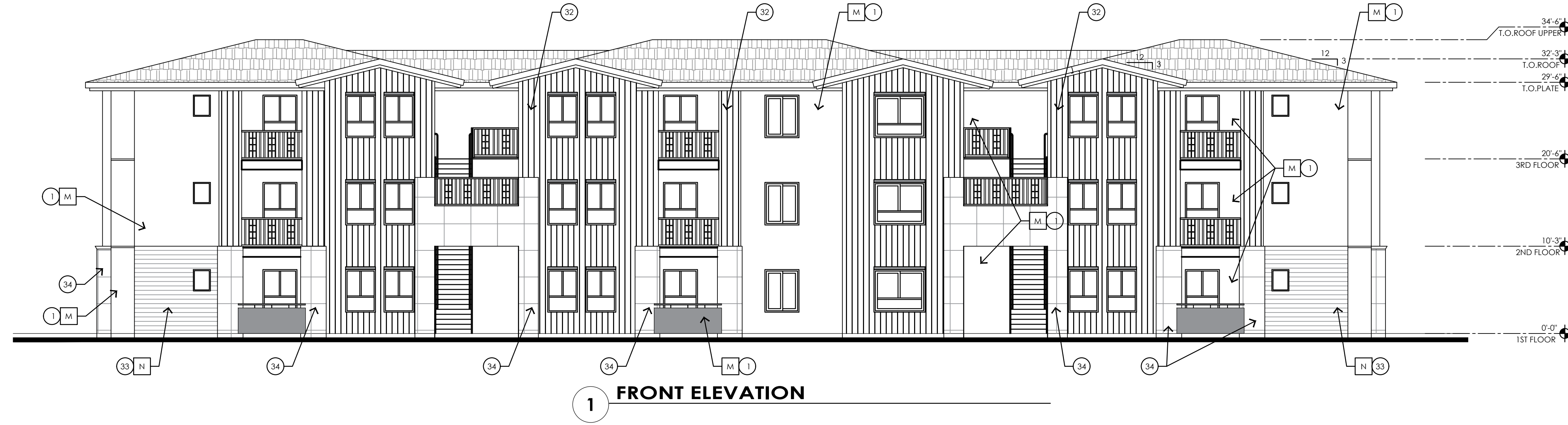
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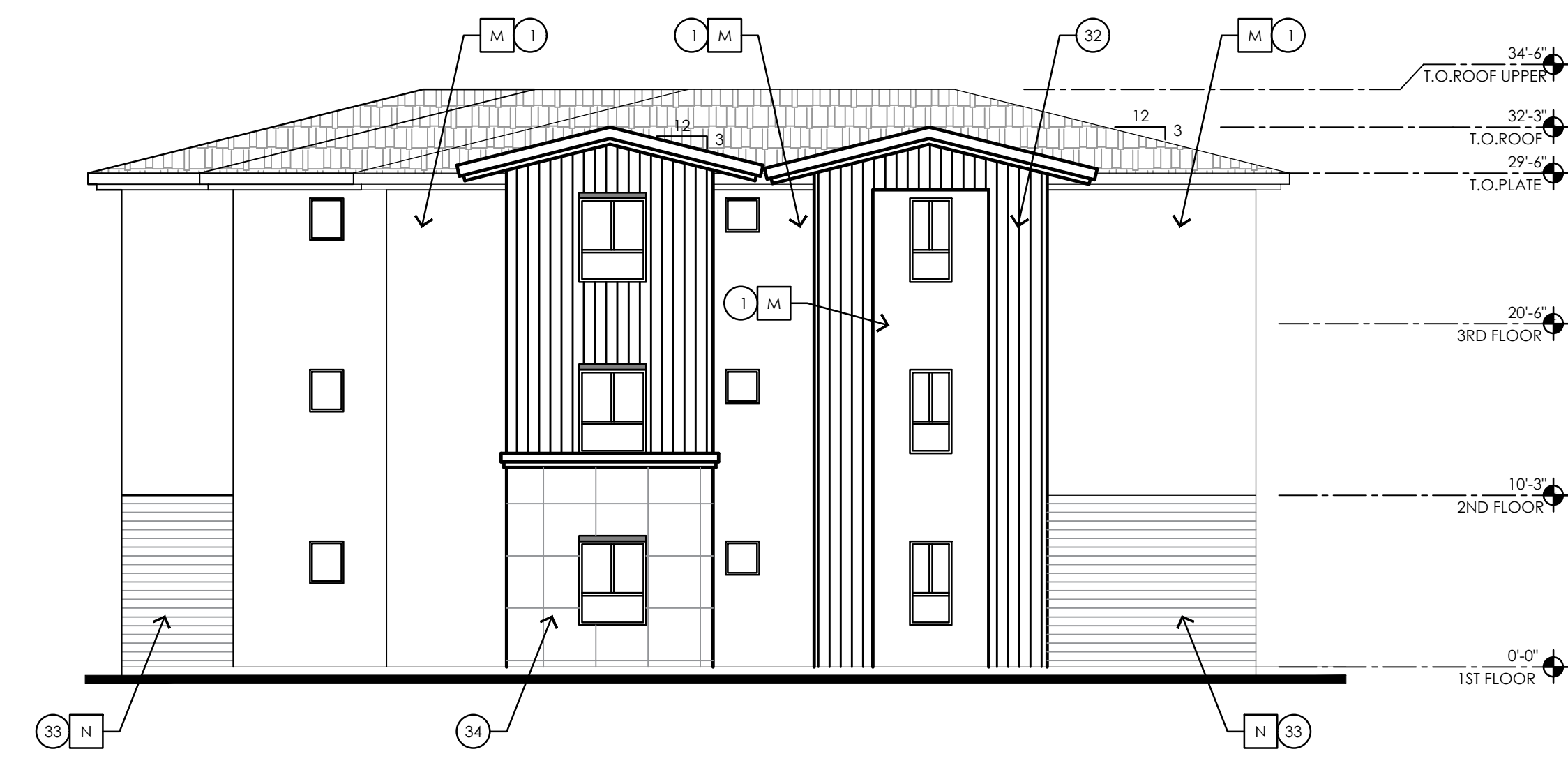
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DRAWING TITLE:	Building Type 2 Exterior Elevations
PROJECT NO:	DRAWING NUMBER: A3.2.1

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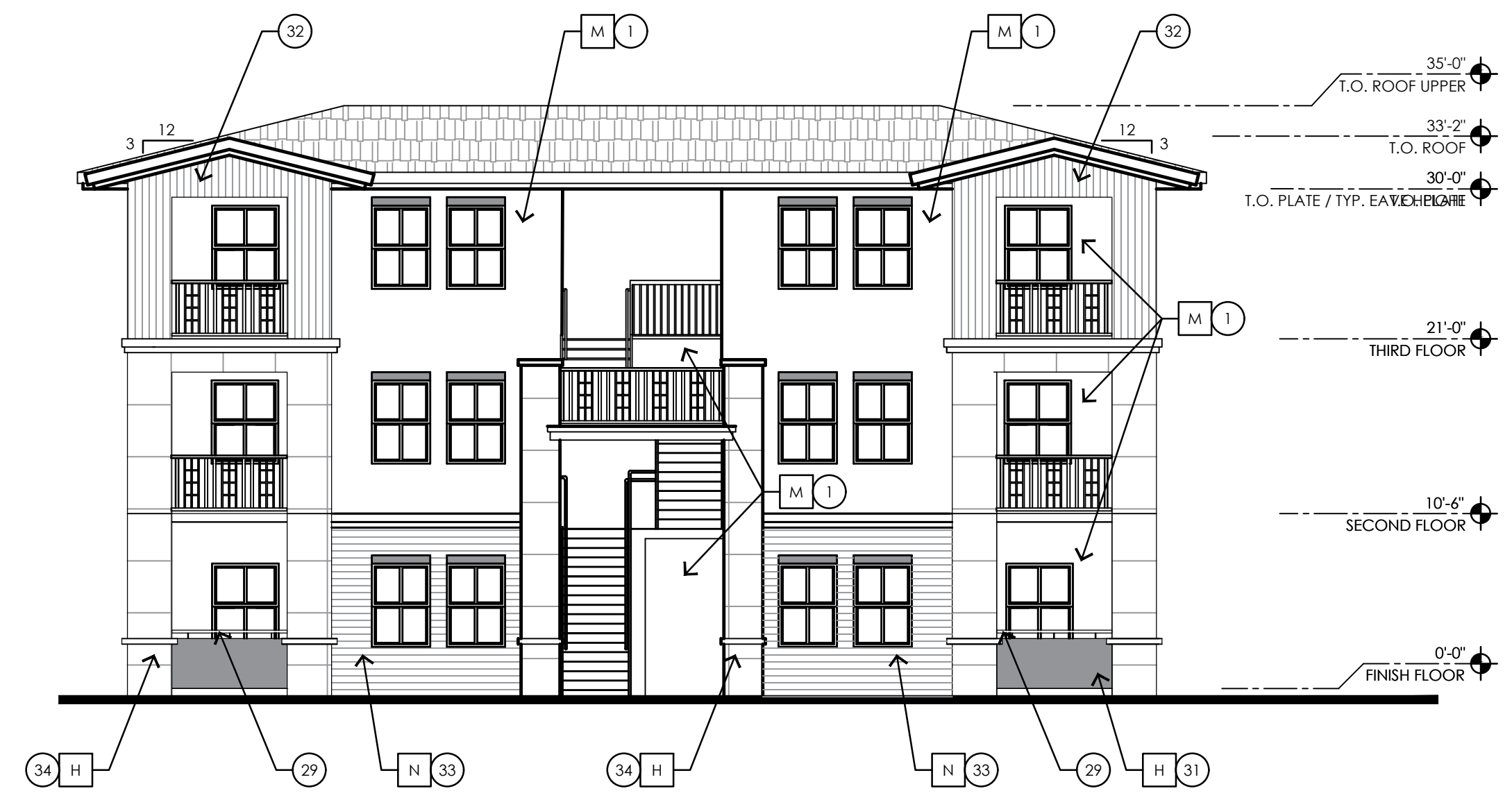
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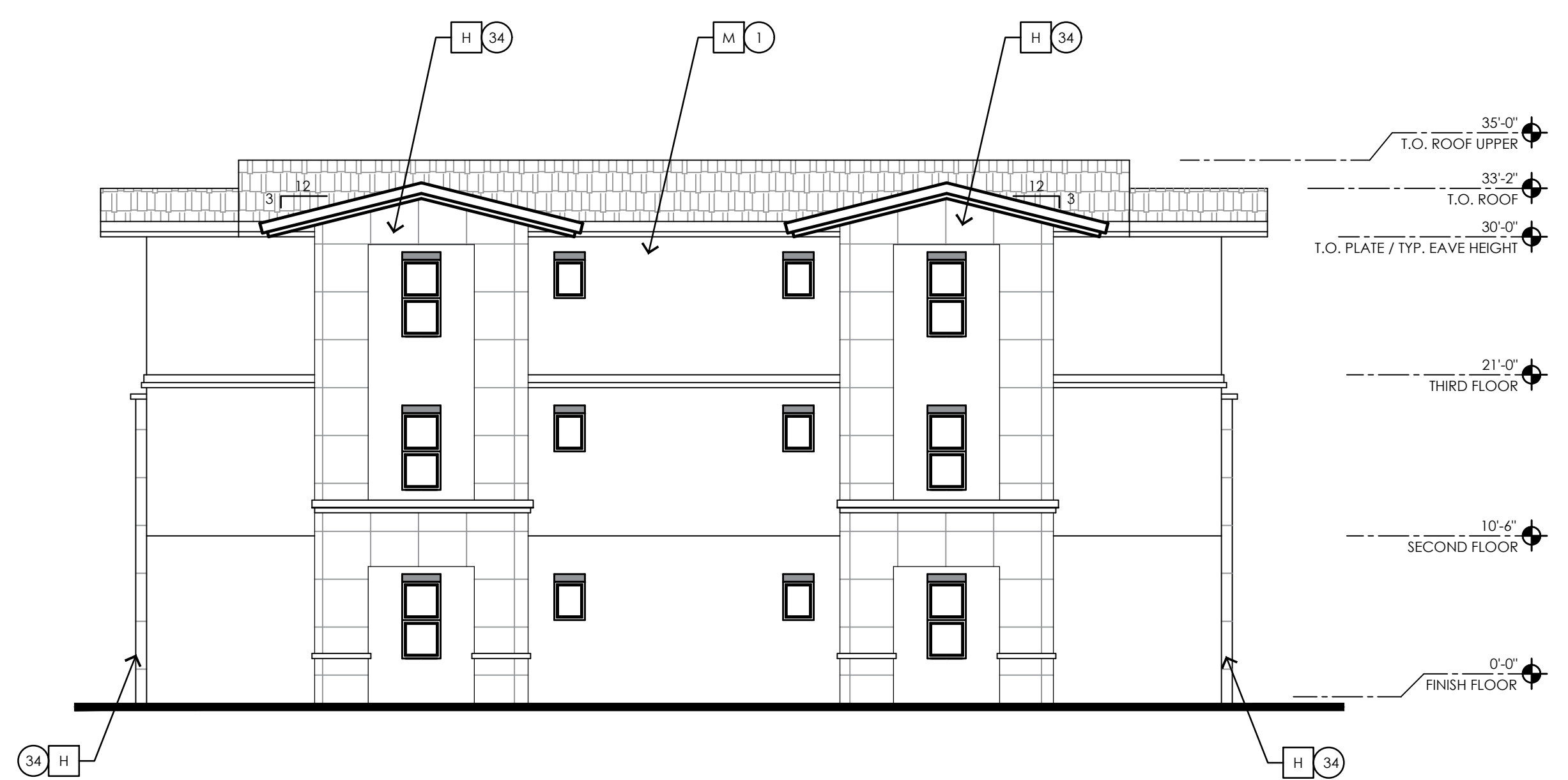
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<p>CITY PROJECT NUMBER:</p>		
<p>DRAWING TITLE: Building Type 4 Exterior Elevations</p>		
PROJECT NO:	DRAWING NUMBER: A3.4.1	



1 FRONT ELEVATION



2 SIDE ELEVATION

ADDRESSING

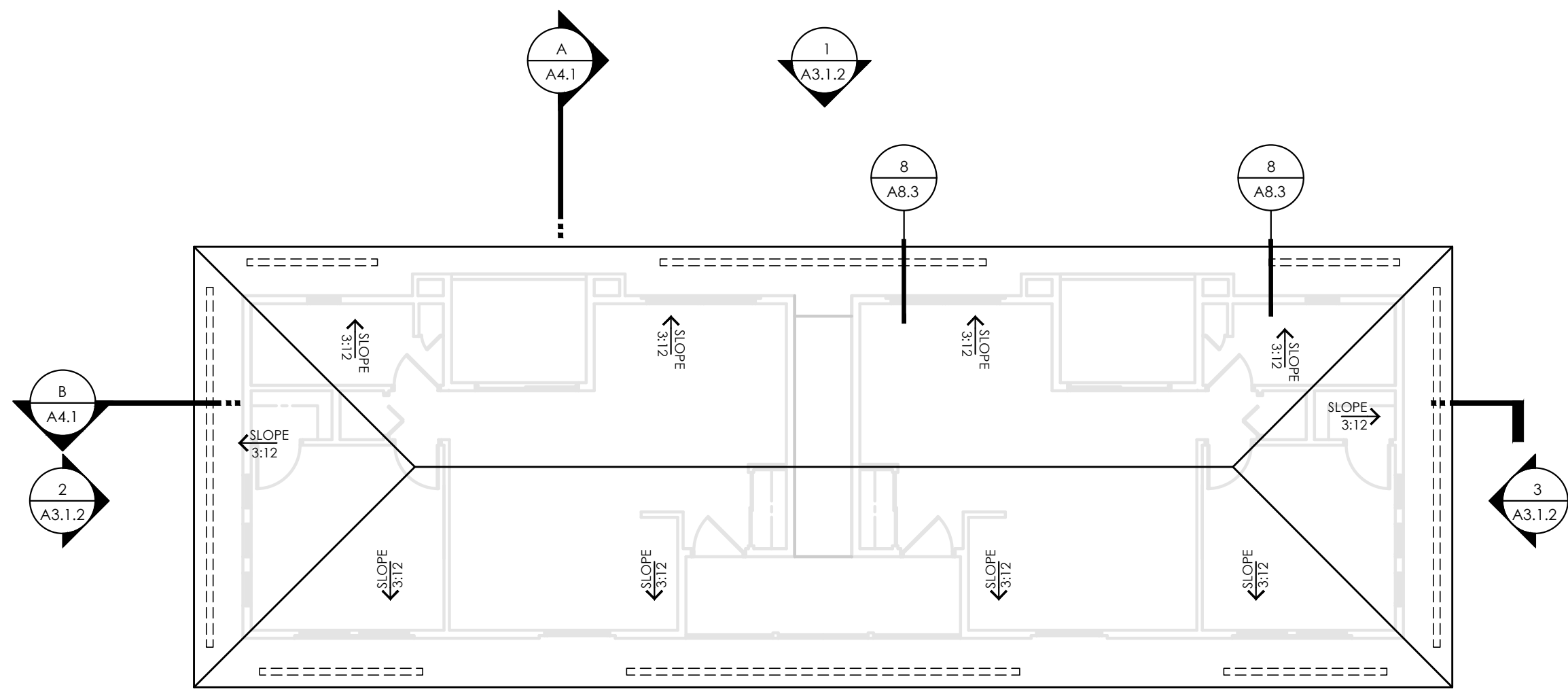
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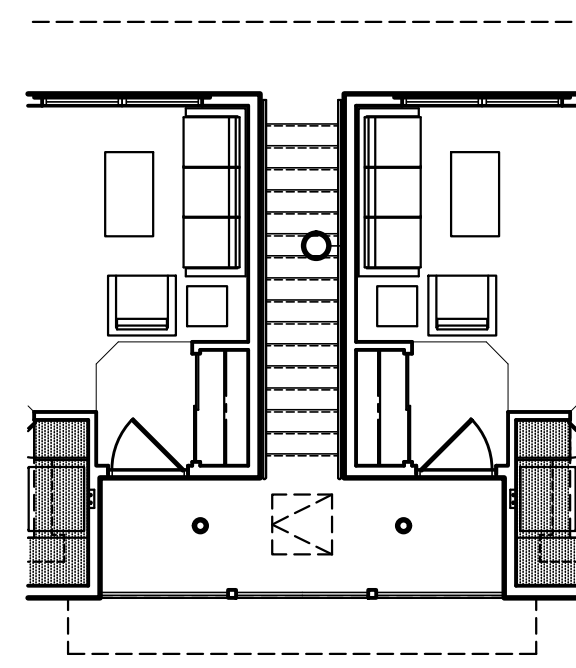




ROOF PLAN

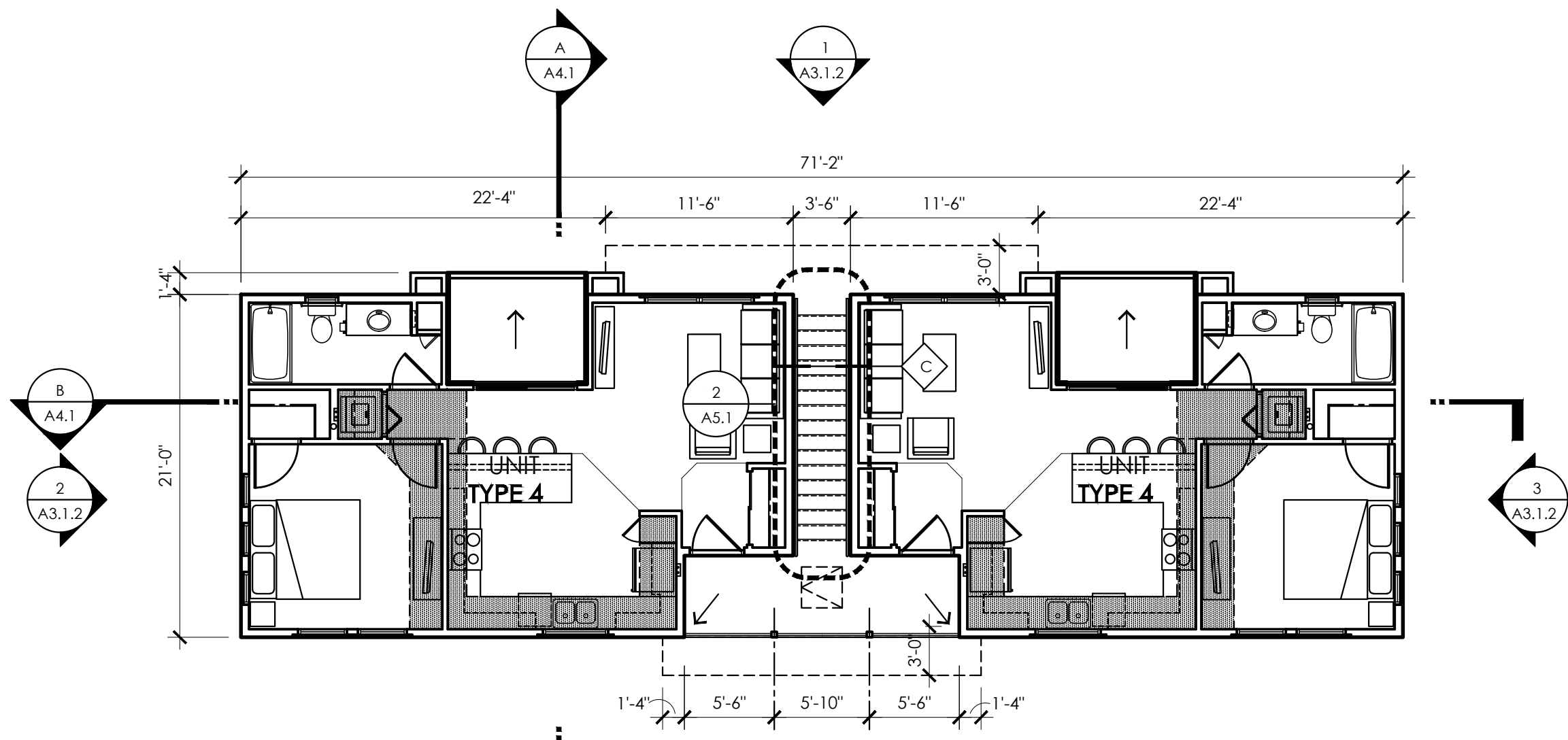
NOTE:
1. FLAT VENT CAPS - "GENERAL METALS MANUFACTURING & SUPPLY CO." ITEM #FVC 18" X 18" (FREE VENT AREA 247 S.I.) OR EQUAL. (NET FREE AREA SHALL BE THE SAME OR MEET THE REQUIREMENTS OF THE CALCULATION TABLE).

ATTIC VENTILATION CALCULATIONS						
ATTIC AREA #	ATTIC AREA (SQ. FT.)	REQUIRED VENT AREA FORMULA (AREA X 144 SQ. IN. PER SQ. FT. / 300 SQ. FT.)	REQUIRED VENT AREA (SQ. IN.)	LOW VENTING SOFFIT PANEL (5 S.I. NET FREE AR./LF)	VENTING PROVIDED GENERAL METALS (NET FREE AREA = 247 SQ. IN. (REQ'D AREA SQ. IN./247 SQ. IN.))	TOTAL VENTS
AREA 1	846 SQ. FT.	x144 / 300	406 SQ. IN.		/247 = 1.6	2
AREA 2	410 SQ. FT.	x144 / 300	197 SQ. IN.	40'-0" Lfx 5 = 200 S.I.		
AREA 3	410 SQ. FT.	x144 / 300	197 SQ. IN.	40'-0" Lfx 5 = 200 S.I.		
AREA 4	207 SQ. FT.	x144 / 300	100 SQ. IN.	20'-0" Lfx 5 = 100 S.I.		
AREA 5	53 SQ. FT.	x144 / 300	26 SQ. IN.	6'-0" Lfx 5 = 30 S.I.		
TOTALS			926 SQ. IN.			2
						1,024 SQ. IN.

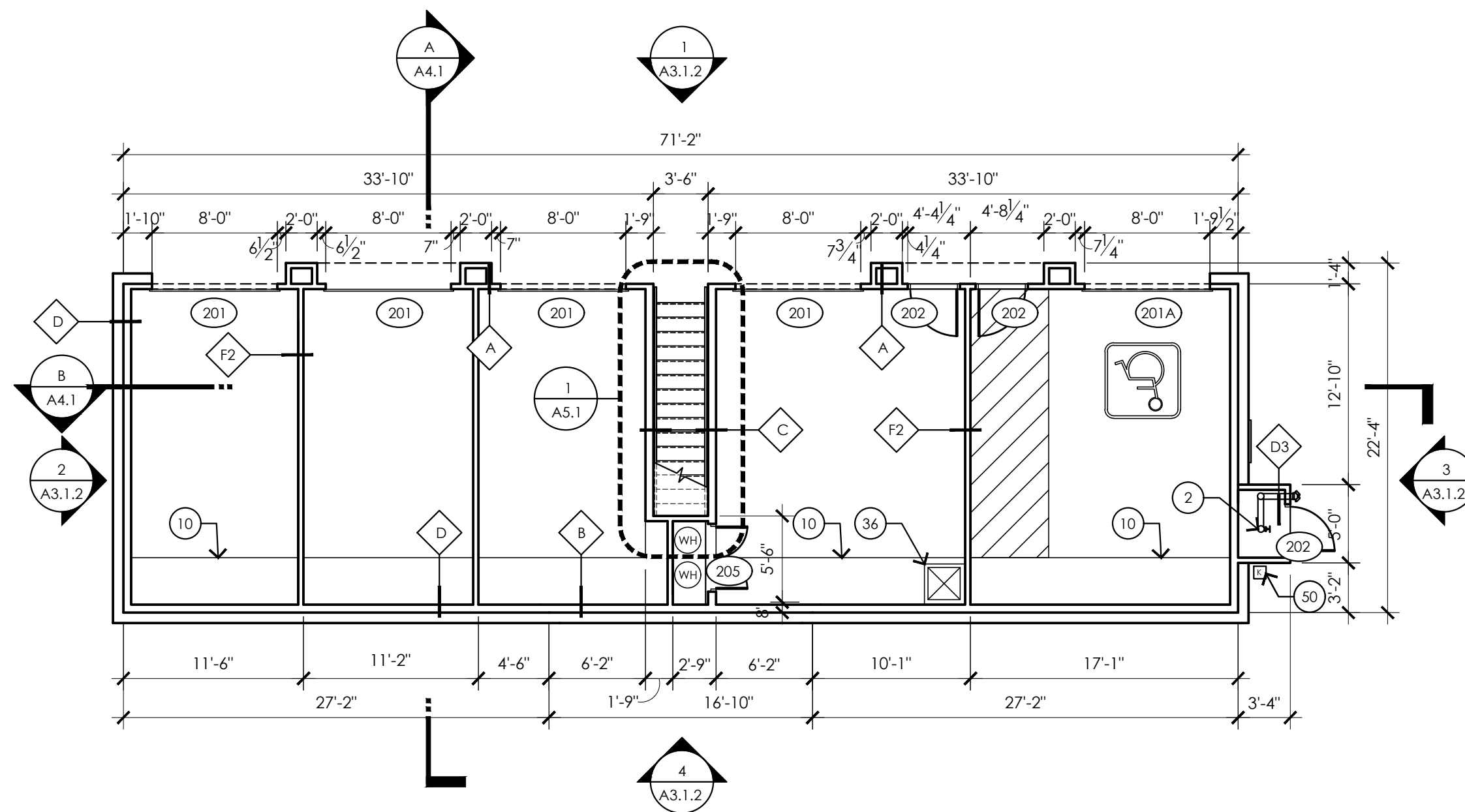


SECOND FLOOR RCP

REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL FIXTURES AND THEIR LOCATIONS.

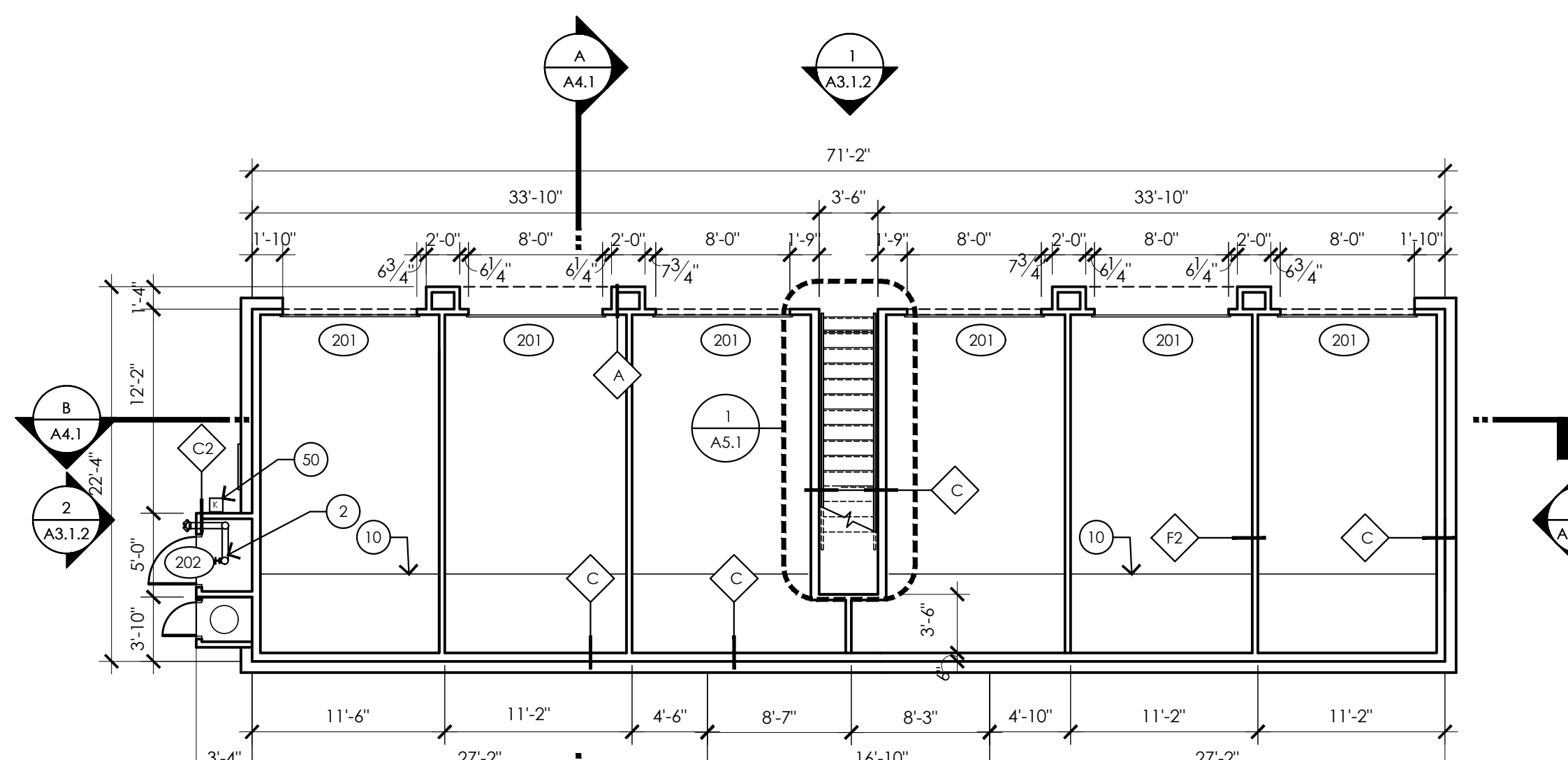


SECOND FLOOR PLAN



FIRST FLOOR PLAN ALT.

BUILDING #14



FIRST FLOOR PLAN

- PLAN KEYNOTES**
- POWER METERS; SEE SITE PLAN FOR LOCATION AT EACH BUILDING
 - FIRE SPRINKLER RISER
 - FDC CONNECTION FOR SPRINKLER SYSTEM - REFER TO SITE PLAN FOR LOCATION
 - PRECAST CONCRETE STAIR TREADS WITH STEEL CHANNEL STRINGERS. SEE SHEET A3.3
 - LOW PATIO WALL 2X8 CMU
 - ORNAMENTAL IRON RAILING. SEE EXTERIOR ELEVATIONS
 - ROOF OVERHANG ABOVE
 - ROOF BELOW
 - EXTERIOR CONCRETE TO HAVE BROOM FINISH, MEDIUM
 - 4 CURB
 - EXTENT OF STUCCO (FINISHES AT INSIDE CORNERS) - 3/A8.8 (SIM.)
 - LINE OF BALCONY ABOVE
 - DIMENSION TO CENTERLINE OF UNIT DEMISING WALL
 - GAS FIREPLACE
 - ELECTRICAL OUTLET ABOVE FIREPLACE FOR TV - SEE ELECTRICAL
 - FURRING AT BATHROOM
 - GAS BBQ
 - COUNTERTOP AT KITCHEN
 - COUNTERTOP AT BATHROOM
 - ELECTRICAL OUTLETS FOR VENDING MACHINES - SEE ELECTRICAL
 - ACCESSIBLE / STANDARD DRINKING FOUNTAINS
 - STEEL COLUMN / BEAM - SEE STRUCTURAL
 - 8" CMU WALL
 - ACCESSIBLE GRAB BARS - SEE SHEET A/D.2.3 FOR SIZES AND MOUNTING HEIGHTS
 - 2X4 WOOD STUD WALL
 - 2X4 WOOD STUD WALL - BOTTOM AT 27" TO CEILING
 - CLEAR FLOOR SPACE - SEE ACCESSIBLE SHEETS
 - STOREFRONT GLAZING SYSTEM
 - POCKET DOOR
 - COUNTERTOP, CABINETS BELOW
 - NOT USED
 - MOP SINK
 - SITE WALL - SEE LANDSCAPE PLANS
 - NOT USED
 - UPPER CABINETS
 - (4) FOUR LEG JANITOR SINK - HOT AND COLD WATER
 - MIRROR - +36" A.F.F.
 - GAS BBQ
 - 6x17 RECESSED DOOR CLOSER PER DOOR SCHEDULE. BASE RECESSES INTO SLAB 4 1/16"
 - WOOD PANELING - SEE SPECIFICATIONS
 - STANDING SEAM METAL PANEL ROOF SYSTEM
 - BUILT UP ROOF WITH TORCH APPLIED CAP SHEET
 - RIDGE
 - LOW WALL - SEE INTERIOR ELEVATIONS FOR HEIGHT
 - COUNTERTOP
 - 30" WORKSPACE - NO CABINET BELOW
 - METAL SINK - HOT AND COLD WATER
 - OPENING TO DAYLIGHT AT FLOOR/CEILING
 - ROOF HATCH
 - KNOW BOX
 - WATER CLOSET
 - LAVATORY
 - MAILBOXES
 - ADA COMPLIANT DRINKING FOUNTAIN
 - GLULAM BEAMS
 - GLASS PANEL SECTIONAL GARAGE DOORS
 - TRASH CONTAINER
 - CAST-IN-PLACE CONCRETE WALL

ROOF NOTES

- ROOF SYSTEM - SEE SPECIFICATIONS
- CRICKET WITH MIN. VALLEY SLOPE OF 1/4"/FT.
- ROOF ACCESS HATCH. SEE DETAIL 7/A8.3
- FLAT ROOF VENT
- ROOF DRAIN/LEADER AND OVERFLOW
- THRU-WALL SCUPPER
- CAULK STRIP
- DRAFTSTOP TO THE UNDERSIDE OF THE ROOF DECKING. PROVIDE ACCESS DOOR IN DRAFTSTOP BETWEEN ATTIC AREAS
- PARAPEET WALL
- STANDING SEAM METAL ROOF

GENERAL NOTES

- DIMENSIONS ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE
- SITE PLAN GOVERNS FINAL LOCATIONS OF METERS
- REFER TO DRAWING A0.4 FOR FIRE RATINGS & CODE INFORMATION
- SEE INTERIOR DESIGN SHEETS FOR INTERIOR FINISHES
- LIGHT FIXTURES ARE FOR REFERENCE ONLY - REFER TO ELECTRICAL & INTERIOR DRAWINGS FOR TYPE AND LOCATION OF FIXTURES
- COORDINATE WITH ELECTRICAL / MECHANICAL AND FIRE FOR TYPE AND LOCATION OF FIXTURES
- SEE ROOF PLAN FOR CLEARSTORY WINDOW LOCATIONS

RCP LEGEND

- SEE DRAWING A0.1 FOR ADDITIONAL SYMBOLS
- HEIGHT - FEET AND INCHES
 - FINISH
 - A: GYPSUM BOARD
 - B: EXTERIOR GYPSUM BOARD
 - C: SOFFIT BOARD
 - D: WOOD PANELING
 - SURFACE MOUNTED LIGHT FIXTURE
 - SUSPENDED LIGHT FIXTURE
 - ⊙ EXTERIOR WALL MOUNTED LIGHT FIXTURE
 - ⊙ EXIT LIGHT

SYMBOLS

- SEE DRAWING A0.1 FOR ADDITIONAL SYMBOLS
- ◇ WALL/PARTITION TYPE INDICATOR. REFER TO A7.1 TYPICAL EXTERIOR WALL TYPE C/A7.1 U.O.O.
 - DOOR TYPE. REFER TO DRAWING A6.1
 - WINDOW TYPE. REFER TO DWG A6.2
 - SEMI-RECESSED FIRE EXTINGUISHER CABINET
 - ← ROOF SLOPE DIRECTION - (3/8" PER FOOT MINIMUM @ MECHANICAL WELL)
 - ↙ CRICKET SLOPE DIRECTION - 1/4" PER FOOT MINIMUM
 - DRAFT STOP/SHEAR PANEL
 - ⊠ ROOF ACCESS HATCH. REFER TO DETAIL 7/A8.3
 - ⊠ ROOFTOP CONDENSER UNIT PER MECHANICAL REFER TO DETAIL 6/A8.3
 - ⊠ ATTIC FLAT ROOF VENT REFER TO DETAIL 4/A8.3
 - ⊠ ROOF & OVER FLOW DRAIN REFER TO DETAIL 3/A8.3
 - DRYER VENTS LOCATION REFER TO DETAIL 5/A8.3



NO 7/28/2021 CITY REVIEW (P&Z) UJA 1E UESJUM IJUN

THE PREMIERE AT EASTMARK 3.0
JENNINGS HOLDINGS L.L.C.
5029 S. ELLSWORTH RD. MESA, AZ

ARCHITECT
345 N. BEVERLY MESA, AZ 85201
TEL: (602) 750-0445 WWW.ARCHISTRUCTDB.COM

THE OWNER, ARCHITECT, AND ENGINEER EXPRESSLY DISCLAIM ANY RESPONSIBILITY ARISING FROM ANY UNAUTHORIZED USE OF THESE PLANS, DRAWINGS, AND NOTES. ANY AUTHORIZATION MUST BE IN WRITING.

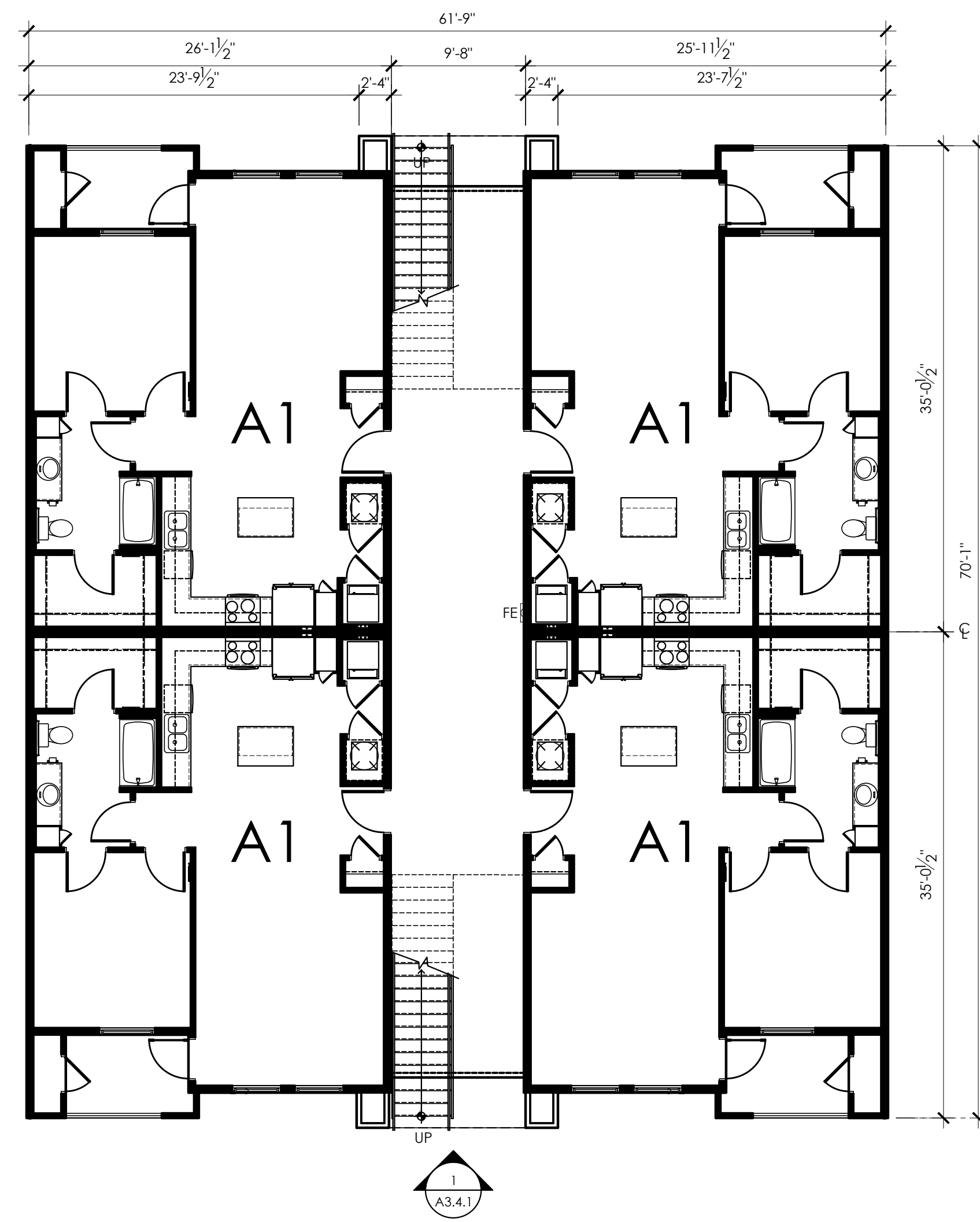
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AHJ STAMP

CITY PROJECT NUMBER:

DRAWING TITLE: **Building Type 3(Carriage Building)
1st, 2nd, 1st Flr. Alt.
RCP & Roof Plans**

PROJECT NO. DRAWING NUMBER:
A3.3.1



TYPICAL FLOOR PLAN



NO	DATE	DESCRIPTION
	7/26/2021	CITY REVIEW (P&Z)

THE PREMIERE AT EASTMARK 3.0
 JENNINGS HOLDINGS L.L.C.
 5029 S. ELLSWORTH RD. MESA, AZ

ARCHISTRUCT LLC
 345 N. BEVERLY MESA, AZ 85201
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AHU STAMP

CITY PROJECT NUMBER:

DRAWING TITLE: Building Type 4
Typical Floor Plan

PROJECT NO: DRAWING NUMBER:
A3.4.1

GENERAL STRUCTURAL NOTES

Applies unless noted otherwise on drawings

BUILDING CODE:

2012 EDITION OF THE INTERNATIONAL BUILDING CODE WITH CITY OF GILBERT AMMENDMENTS
ASCE 7-05 WIND LOADS

LOADS:

GRAVITY:
ROOF LIVE LOAD = 20 PSF (REDUCIBLE)
CANOPY DEAD LOAD = ACTUAL WEIGHT OF MEMBER:
DECK = 1.0 PSF
PURLIN = 6 PLF
BEAM = 30 PLF (TEE), 26 PLF (SEM)
COLUMN = 26 PLF (BOTH)

LATERAL:

WIND:
NOMINAL DESIGN WIND SPEED (3-SECOND GUST), V(ASD) = 90 MPH.
EXPOSURE C.
RISK CATEGORY, I.

SEISMIC:

SEISMIC IMPORTANCE FACTOR, I = 1.0.
RISK CATEGORY, I.
MAPPED SHORT PERIOD SPECTRAL ACCELERATION, S_a = 0.180g.
MAPPED ONE SECOND SPECTRAL ACCELERATION, S₁ = 0.059g.
SOIL SITE CLASS, D.
DESIGN SHORT PERIOD SPECTRAL ACCELERATION, S_{ds} = 0.192g.
DESIGN ONE SECOND SPECTRAL ACCELERATION, S_{d1} = 0.094g.
SEISMIC DESIGN CATEGORY, B.
BASIC SEISMIC-FORCE-RESISTING SYSTEM = CANTILEVERED COLUMN SYSTEMS DETAILED TO CONFORM TO THE REQUIREMENTS FOR ORDINARY STEEL MOMENT FRAMES.
SEISMIC RESPONSE COEFFICIENT, C_s = 0.154.
RESPONSE MODIFICATION FACTOR (R) = 1.25.
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATIONS:

SOIL REPORT BY TERRANE ENGINEERING CORPORATION, REPORT NO. TEC7T025.RPT.01

ALLOWABLE LATERAL BEARING PRESSURE = 300 PSF/FT FOR DRILLED PIER FOOTINGS. THE DRILLED PIER FOOTINGS ARE DESIGNED AS CONSTRAINED (SECTION 1807.3.2.2, EQUATION 18-3) WHERE PLACED IN CONCRETE AREAS, AS PARTIALLY CONSTRAINED (AVERAGE OF CONSTRAINED AND UNCONSTRAINED) WHERE PLACED IN ASPHALT AREAS AND AS UNCONSTRAINED (CZERNAK) WHEN NOT PLACED IN CONCRETE OR ASPHALT AREAS. DRILLED PIERS MUST BE A MINIMUM OF 4 FEET BELOW EXISTING GRADE.

SPREAD FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL 2'-0" MINIMUM BELOW ADJACENT EXISTING GRADE. DESIGN SOIL BEARING VALUES = 2500 PSF. REFER TO SOILS REPORT FOR ADDITIONAL INFORMATION PRIOR TO COMMENCEMENT OF EARTHWORK.

CONCRETE:

SPECIFIED 28 DAY COMPRESSIVE STRENGTH F_c:

FOUNDATIONS ----- 2,500 PSI

GENERAL:

ALL CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ACI. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED UNLESS NOTED OTHERWISE. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. NO OTHER ADMIXTURES PERMITTED WITHOUT APPROVAL. FOR CONCRETE WITHOUT PLASTICIZER, MAXIMUM SLUMP 4 1/2" AT POINT OF PLACEMENT U.N.O. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL.

FOR REINFORCING INFORMATION, SEE REINFORCING SECTION OF G.S.N., PLANS, SCHEDULES AND DETAILS.

FLY ASH - SHALL BE LIMITED TO 50% OF TOTAL CEMENTITIOUS MATERIALS BY WEIGHT.

TEST DATA FOR EACH CONCRETE MIX SHALL BE SUBMITTED FOR REVIEW PER CHAPTER 5 OF ACI 318. REFERENCE FIGURE R5.3 FOR SUBMITTAL REQUIREMENTS AND OPTIONS. CONCRETE MIX DESIGNS THAT ARE SUBMITTED WITHOUT THE APPROPRIATE TEST DATA CANNOT BE REVIEWED.

IT IS ACCEPTABLE AND INTENDED TO USE EARTH CUTS FOR THE DRILLED PIER FOOTING AND SPREAD FOOTING. THE FOOTING DESIGNS INDICATED IN THESE DRAWINGS DO NOT APPLY IF THE EARTH CUTS ARE UNSTABLE AND/OR DO NOT STAND ON THEIR OWN.

THE FOOTINGS INDICATED IN THESE DRAWINGS DO NOT APPLY WHERE ORGANIC FILL MATERIALS EXIST.

CONCRETE SHALL BE ADEQUATELY VIBRATED AROUND THE EMBEDDED STEEL COLUMNS TO ENSURE THE CONCRETE HAS COMPLETELY SURROUNDED THE STEEL COLUMN. CONCRETE SHALL SLOPE UP SLIGHTLY TOWARDS COLUMNS TO PREVENT WATER FROM PONDING AROUND COLUMNS.

IT IS ACCEPTABLE FOR CONCRETE TO FREE FALL INTO THE DRILLED PIER OR SPREAD FOOTINGS. THE GOAL OF THE CONSTRUCTION WITH THE DRILLED PIER AND SPREAD FOOTING IS TO HAVE CONCRETE WELL PLACED WITH MINIMAL VOIDS AND GOOD CONSOLIDATION (I.E. MINIMAL SEGREGATION OF THE AGGREGATE).

REINFORCING:

ALL REINFORCING PER CRSI SPECIFICATIONS AND HANDBOOK. ASTM A615 (F_y = 60 KSI / GRADE 60) DEFORMED BARS FOR ALL BARS #5 AND LARGER. ASTM A615 (F_y = 40 KSI / GRADE 40) DEFORMED BARS FOR ALL BARS #4 AND SMALLER. WHERE SHOWN ON DRAWINGS ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ----- 3"
EXPOSED TO EARTH OR WEATHER ----- 2"
#6 OR LARGER ----- 2"
#5 AND SMALLER ----- 1 1/2"
ALL OTHER PER LATEST EDITION OF ACI 318

ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE COVERED REINFORCING IS NOT AN ACCEPTABLE CHAIR.

ALL DIMENSIONS REFERENCED IN DRAWINGS AS "CLEAR" SHALL BE FROM FACE OF STRUCTURE TO EDGE OF REINFORCING, AND SHALL NOT BE LESS THAN STATED, NOR GREATER THAN "CLEAR" DIMENSION PLUS 3/8". ALL OTHERS SHALL BE PLUS OR MINUS 1/4" TYPICAL UNLESS NOTED OTHERWISE.

FIELD BENDING OR STRAIGHTENING OF DEFORMED BARS SHALL BE LIMITED TO #5 BARS AND SMALLER AND SHALL BE FIELD BENT OR STRAIGHTENED ONLY ONCE. ANY BEND SHALL BE LIMITED TO 90 DEGREES. IF FIELD BENDING OR STRAIGHTENING OF #6 BARS OR LARGER IS REQUIRED, OR IF A SECOND BEND IS REQUIRED FOR #5 BARS AND SMALLER, HEAT SHALL BE APPLIED FOR BENDING OR STRAIGHTENING. CONTRACTOR SHALL SUBMIT PROCEDURE FOR APPLYING HEAT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BENDING OR STRAIGHTENING BARS.

STRUCTURAL STEEL:

GENERAL:

ALL CONSTRUCTION PER LATEST AISC STEEL CONSTRUCTION MANUAL. ALL WIDE FLANGE STEEL SHALL BE ASTM A992 (F_y = 50 KSI). ALL MISCELLANEOUS STEEL UNLESS NOTED OTHERWISE SHALL BE ASTM A36 (F_y = 36 KSI). IF CALLED OUT ON PLANS, F_y = 50 KSI PLATE STEEL SHALL BE ASTM A572 OR A572.

ALL STRUCTURAL ROLLED STEEL MEMBERS WITH F_y GREATER THAN 36 KSI ARE TO BE IDENTIFIED WITH AN ASTM SPECIFICATION MARK OR TAG PER IBC SEC. 2203.1.

PROTECT ALL EXPOSED STEEL BELOW GRADE WITH #1017 ASPHALT EMULSION PRODUCT. EXTEND A MINIMUM OF 2 INCHES ABOVE FINISHED GRADE.

WELDING:

UNLESS NOTED OTHERWISE, ALL WELDS PER LATEST EDITION OF THE AWS STANDARDS. ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CERTIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING DONE BY E70 SERIES UNLESS NOTED OTHERWISE. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. THESE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS; THE CONTRACTOR MAY SHOP WELD OR FIELD WELD AT THEIR DISCRETION. SHOP WELDS AND FIELD WELDS SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW.

SCREW FASTENERS:

ALL SCREWS 3/4" MIN. LENGTH U.N.O.

ALL STEEL SCREWS SHALL BE IN ACCORDANCE WITH AISI-GENERAL AND AISI-NAS. F_y = 50 ksi AND F_t = 70 ksi FOR ALL SCREWS. MINIMUM NOMINAL TENSILE STRENGTH = 2900 LB. MINIMUM NOMINAL SHEAR STRENGTH = 1962 LB.

- MINIMUM SPACING OF SCREWS SHALL NOT BE LESS THAN 3 TIMES THE NOMINAL DIAMETER. MINIMUM EDGE DISTANCE FOR SCREWS SHALL NOT BE LESS THAN 1.5 TIMES THE NOMINAL SCREW DIAMETER.
- THE HEAD OF THE SCREW OR WASHER SHALL HAVE A DIAMETER, D_w, OF NOT LESS THAN 5/16". WASHERS SHALL BE AT LEAST 0.05" THICK.

SCREW NUMBER DESIGNATION	8	10	12 (12-14)	14
NOMINAL DIAMETER	0.164"	0.190"	0.216"	0.250"

STEEL DECKING:

GENERAL:

ALL STEEL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBER". STEEL DECK SHALL BEAR ON SUPPORTS A MINIMUM OF 2 INCHES. ENDS OF SHEETS MUST BE LAPPED A MINIMUM OF 2 INCHES OVER SUPPORTS.

COLD FORMED STRUCTURAL STEEL FRAMING:

GENERAL:

ALL COLD FORMED STRUCTURAL STEEL FRAMING AND COMPONENTS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF AISC'S "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".

FRAMING:

ALL WELDING TO BE PERFORMED BY WELDERS HOLDING A VALID CERTIFICATE AND HAVING CURRENT EXPERIENCE IN LIGHT GAUGE STEEL. CERTIFICATES SHALL BE ISSUED BY AN ACCEPTED TESTING AGENCY. DO NOT NOTCH FLANGES OF MEMBERS WITHOUT EXPRESSED APPROVAL OF THE ENGINEER OF RECORD. ALL WELDING TO BE PERFORMED IN AN APPROVED FABRICATORS SHOP.

COLD FORMED STRUCTURAL STEEL MEMBERS SHALL HAVE A MINIMUM YIELD STRENGTH OF F_y = 55,000 PSI. THE GRADE AND THE ASTM SPECIFICATION NUMBER OR OTHER SPECIFICATION DESIGNATION SHALL BE INDICATED BY PAINTING, BECAL, TAGGING OR OTHER SUITABLE MEANS ON EACH BUNDLE OF FABRICATED ELEMENTS. IT IS ACCEPTABLE TO USE THE F_y SHOWN ON THE MILL CERTIFICATION IN LIEU OF THE "ORDERED" F_y.

THE STEEL PURLINS DO NOT HAVE TO BEAR DIRECTLY ON THE STEEL BEAMS. IT IS ACCEPTABLE AND COMMON TO USE THE PURLINS TO NEED TO BE RAISED A LITTLE (1/2" MAXIMUM) TO ASSIST IN LEVELING AND "TUNING" THE STRUCTURE. THE LOAD BETWEEN THE PURLIN AND THE BEAM IS TRANSFERRED ENTIRELY THROUGH THE SCREWS CONNECTING THE PURLIN TO THE PURLIN CLIP. THE PURLIN DOES NOT NEED TO BEAR ON THE BEAM.

MILS	GAGE NO.	MIN DELIVERED THICKNESS	DESIGN THICKNESS
12	30	0.0120"	0.0126"
14	29	0.0132"	0.0139"
16	26	0.0174"	0.0183"
33	20	0.0336"	0.0354"
43	18	0.0447"	0.0470"
54	16	0.0561"	0.0590"
68	14	0.0713"	0.0750"
97	12	0.0998"	0.1050"
118	10	0.1283"	0.1350"
150	9	0.1430"	0.1500"

GENERAL NOTES:

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. EXCEPT WHERE NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT HERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA. ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THE PROJECT.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS WHERE NO DETAILS ARE SHOWN. CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, PLUMBING AND ELECTRICAL ITEMS WITH THE APPROPRIATE TRADE DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, APPROVALS AND THE COORDINATION OF THE WORK WITH ALL RELATED TRADES AND SUPPLIERS.

SPECIAL INSPECTION - STRUCTURAL ONLY:

(IF REQUIRED BY THE JURISDICTION HAVING AUTHORITY):

FOR SPECIAL STRUCTURAL INSPECTIONS: CONTACT CARUSO TURLEY SCOTT, INC. AT 480-774-1700 PRIOR TO CONSTRUCTION:

SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A STATE REGISTERED STRUCTURAL ENGINEER WHO IS FAMILIAR WITH THE STRUCTURAL DESIGN OF THIS PROJECT. THE SUPERVISING STRUCTURAL ENGINEER SHALL SEAL THE SPECIAL INSPECTION CERTIFICATE.

SPECIAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION. "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE BUILDING JURISDICTION INSPECTIONS REQUIRED BY SECTION 109 OF THE INTERNATIONAL BUILDING CODE. SPECIAL INSPECTION IS REQUIRED PER CHAPTER 17 FOR THE FOLLOWING:

CONCRETE CONSTRUCTION:

- CONCRETE/SSI EXCEPTION BASED ON F_c = 2,500 PSI;
 - NO INSPECTION IS REQUIRED FOR THE PLACEMENT OF FOUNDATION CONCRETE. INSPECTION OF FOUNDATION REINFORCING AND ANCHOR BOLTS IS REQUIRED PER "REINFORCING STEEL" SECTION BELOW.
- REINFORCING STEEL: INSPECTION OF IN-PLACE REINFORCING FOR PERFORMANCE PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE JOBSITE FOR THE FOLLOWING:
 - REINFORCING FOR ALL CONCRETE REQUIRED TO HAVE INSPECTION NOTED ABOVE.
 - REINFORCING FOR SPREAD FOOTING CONCRETE FOUNDATIONS.

STEEL CONSTRUCTION:

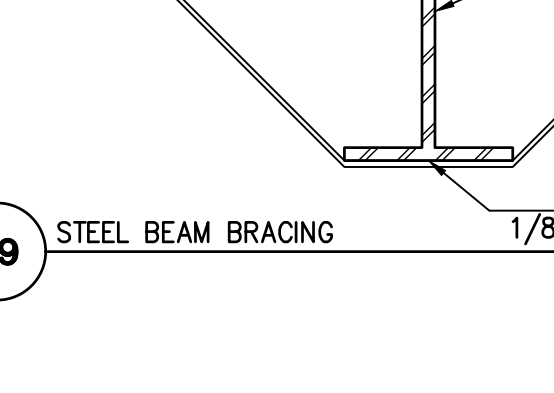
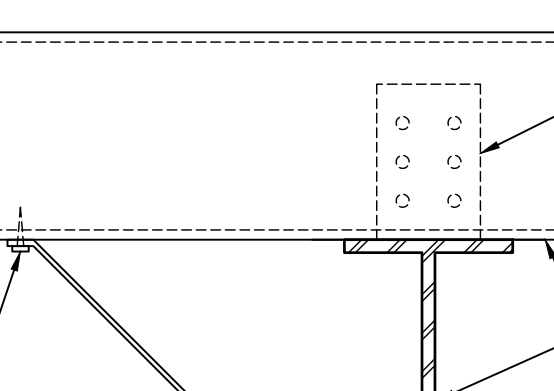
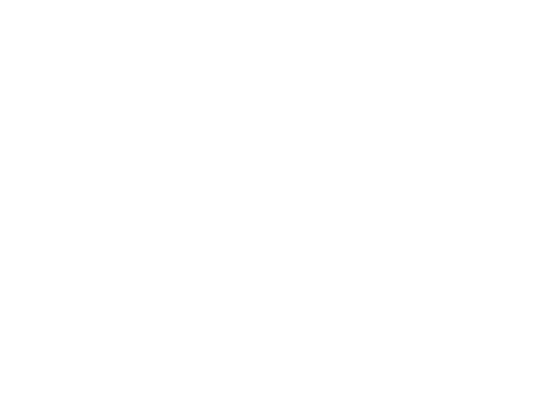
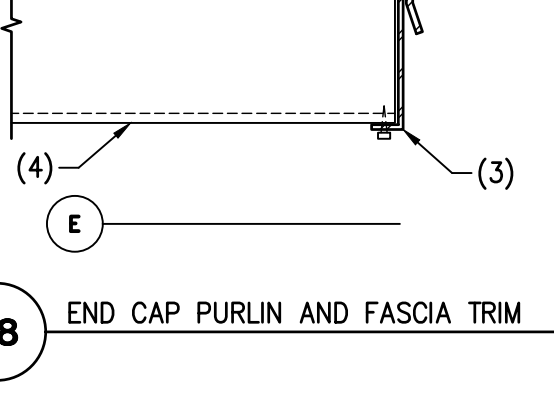
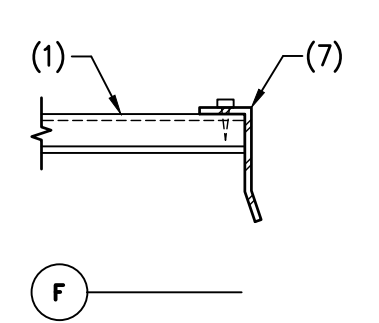
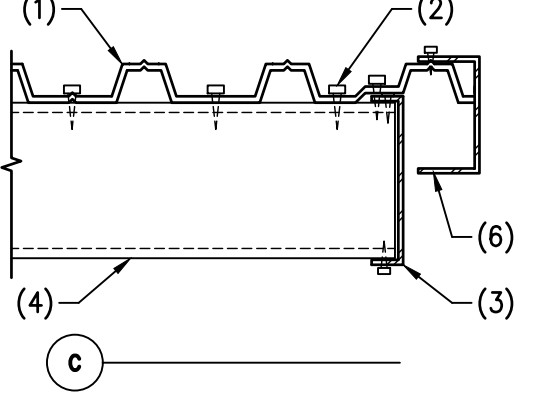
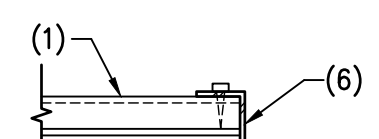
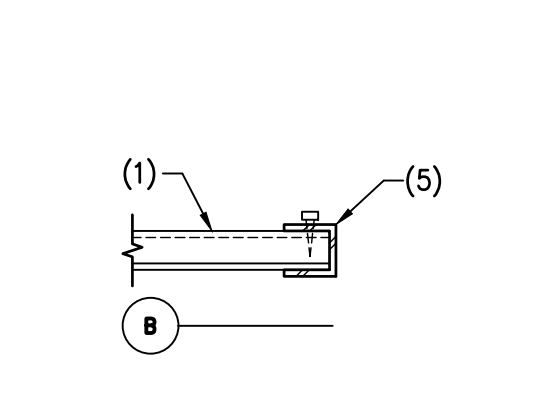
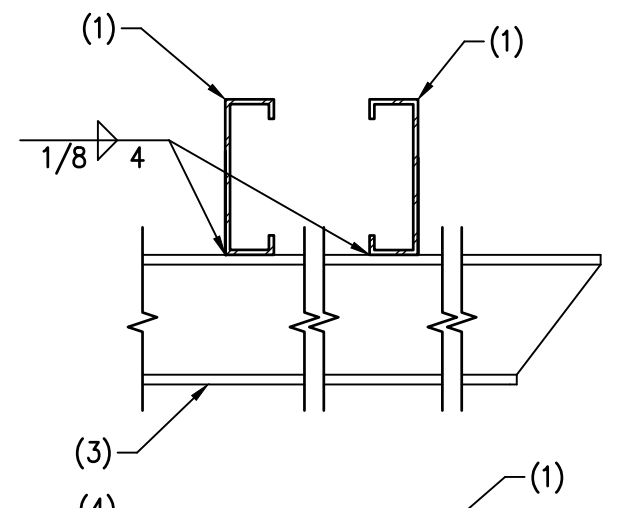
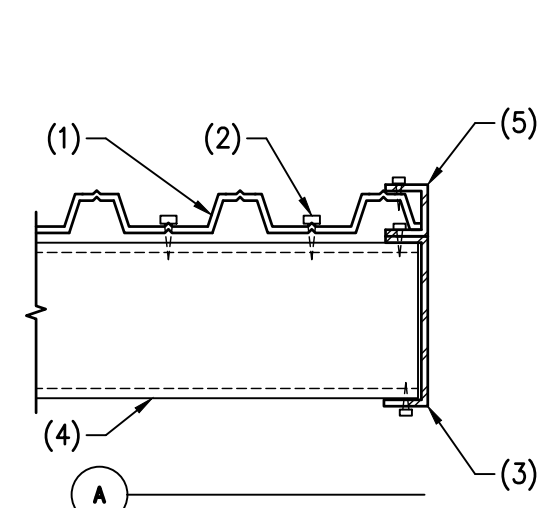
- WELDING:
 - PERIODIC VISUAL INSPECTION OF ALL FIELD WELDS.
 - CONTINUOUS INSPECTION OF ALL MULTIPASS FILLET WELDS OR SINGLE PASS FILLET WELDS LARGER THAN 5/16".
 - NON-DESTRUCTIVE TESTING OF ALL COMPLETE PENETRATION WELDS BY AN AWS CERTIFIED INDEPENDENT TESTING LABORATORY AT THE CONTRACTOR'S EXPENSE.
 - VERIFICATION OF VALID WELDER'S CERTIFICATES.
 - ALL STRUCTURAL STEEL FABRICATORS SHALL EMPLOY AN AWS CERTIFIED INDEPENDENT TESTING LAB TO PROVIDE SHOP WELD INSPECTIONS PER CODE. INSPECTION REPORTS SHALL BE SUBMITTED TO ENGINEER OF RECORD PRIOR TO STEEL INSTALLATION. EXCEPTION: NO SHOP INSPECTION IS REQUIRED IF THE FABRICATOR IS ON THE CITY OF PHOENIX APPROVED STEEL FABRICATOR LIST.
- STEEL FRAMES: VERIFICATION OF BRACING, STIFFENING, MEMBER LOCATIONS, AND PROPER JOINT DETAIL APPLICATION AT ALL STEEL FRAME CONNECTIONS.

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATION.
- THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS, AND ALL DEVIATIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA WRITTEN REQUEST FOR INFORMATION (RFI).
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. ACCESS SHALL BE PROVIDED BY IN-PLACE LADDERS, SCAFFOLDS, LIFTS AND/OR OTHER EQUIPMENT OPERATED BY THE CONTRACTOR'S PERSONNEL AS REQUIRED FOR SAFE OBSERVATION. INSPECTOR IS NOT RESPONSIBLE OR AUTHORIZED TO OPERATE CONTRACTOR'S EQUIPMENT.
- UPON COMPLETION OF THE ASSIGNED WORK THE ENGINEER OR ARCHITECT SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF THEIR KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

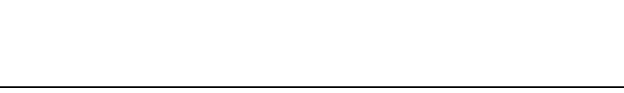
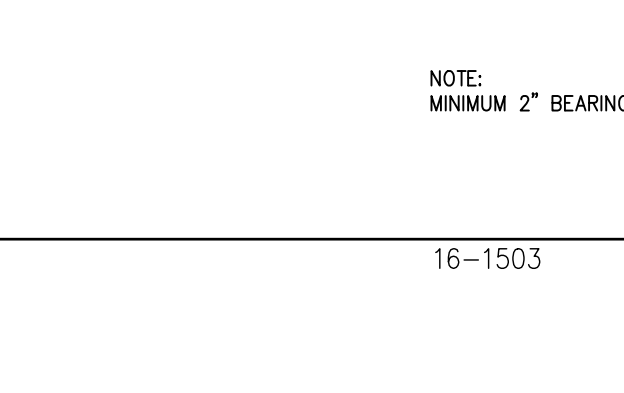
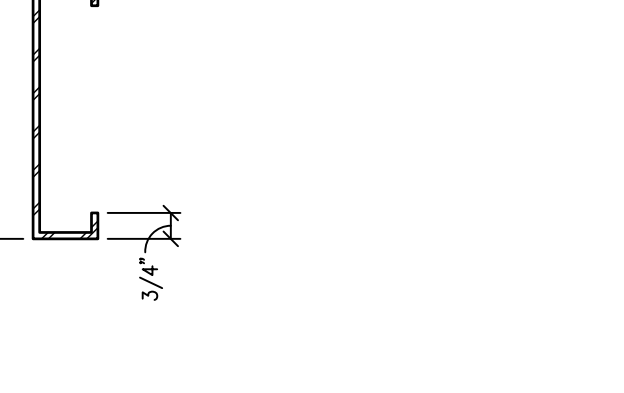
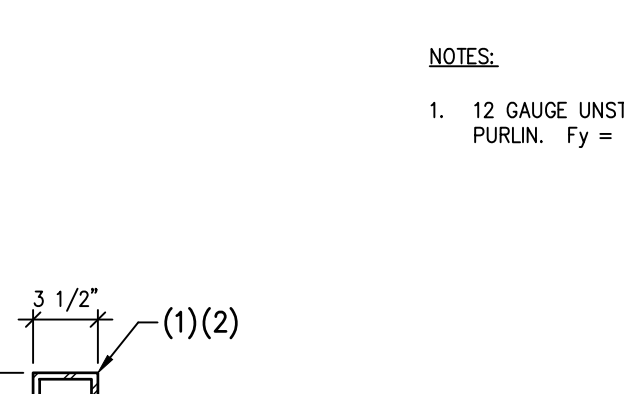
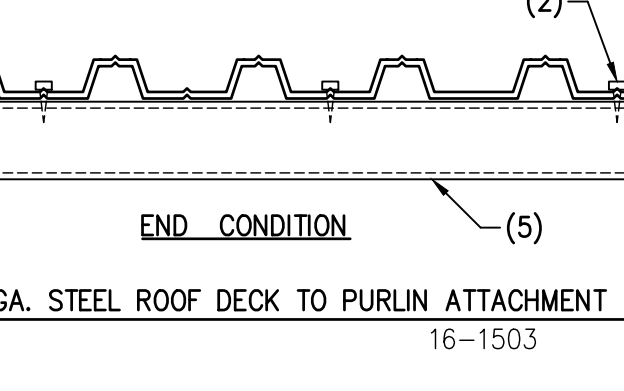
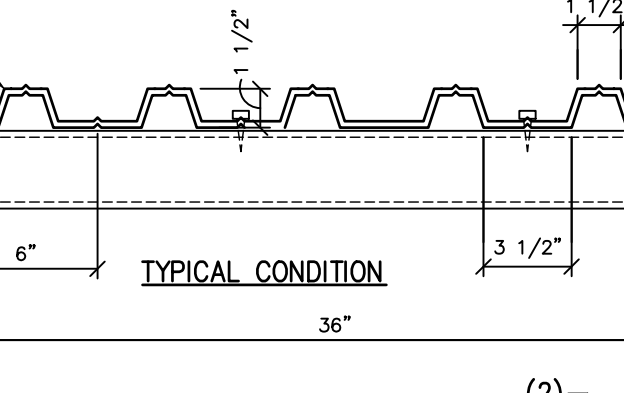
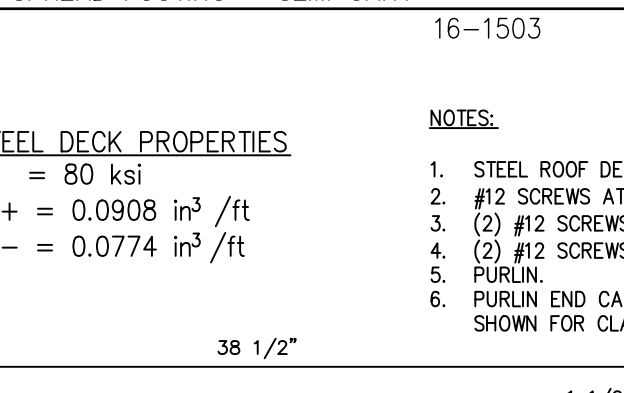
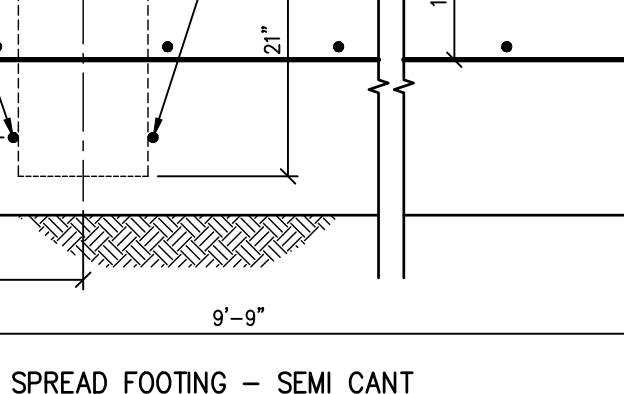
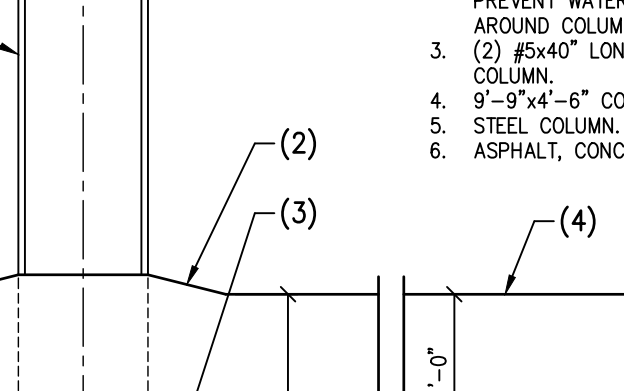
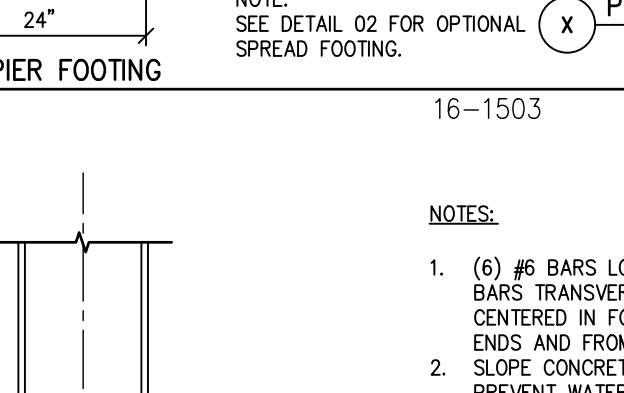
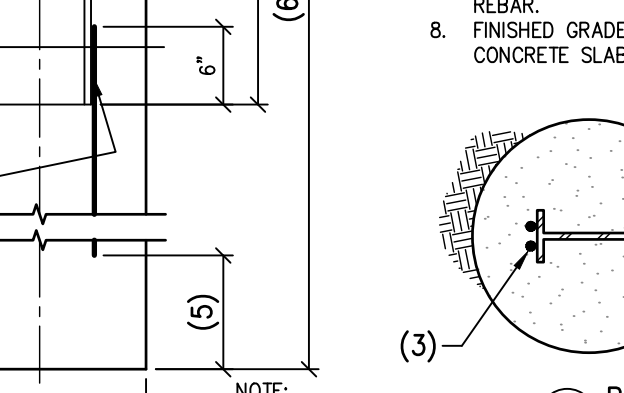
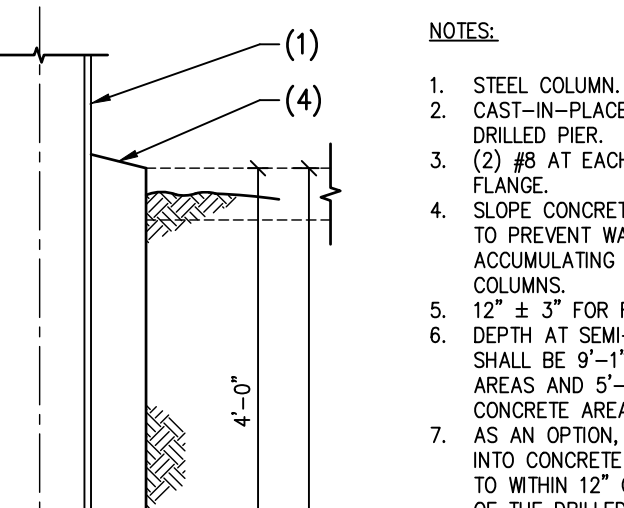
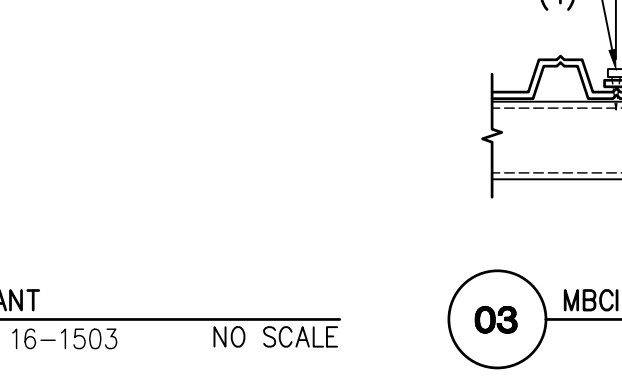
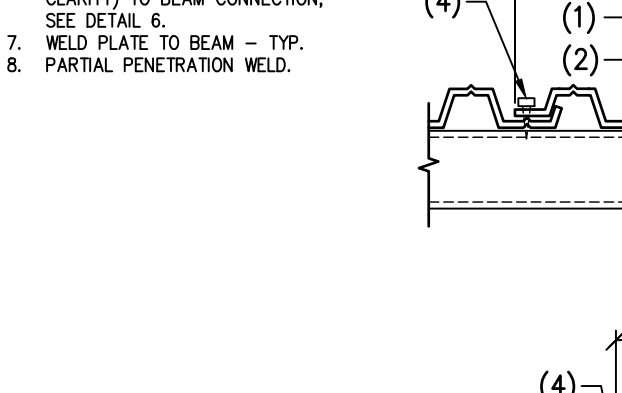
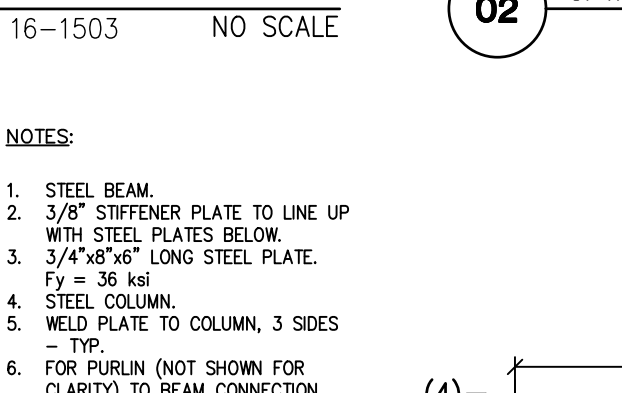
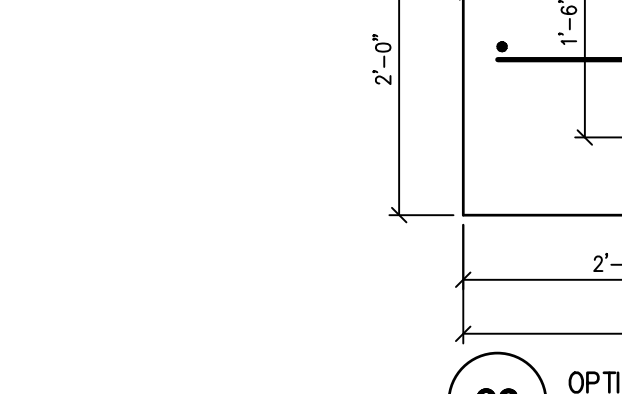
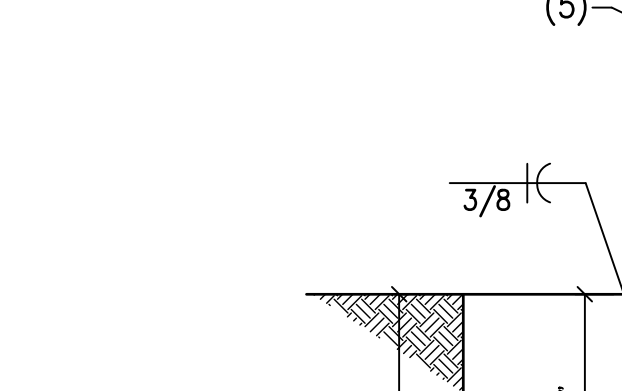
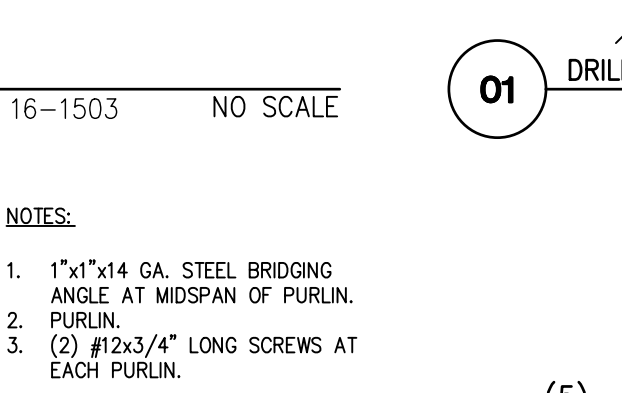
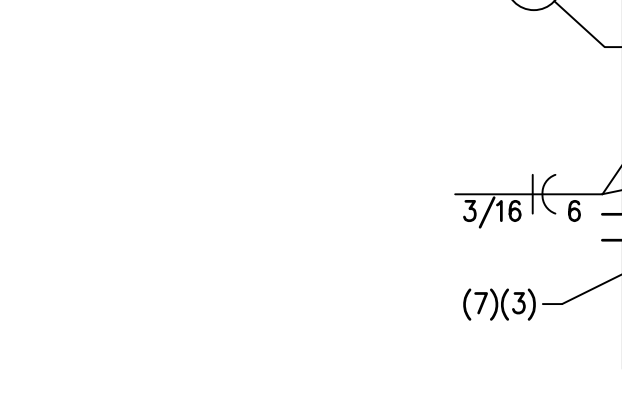
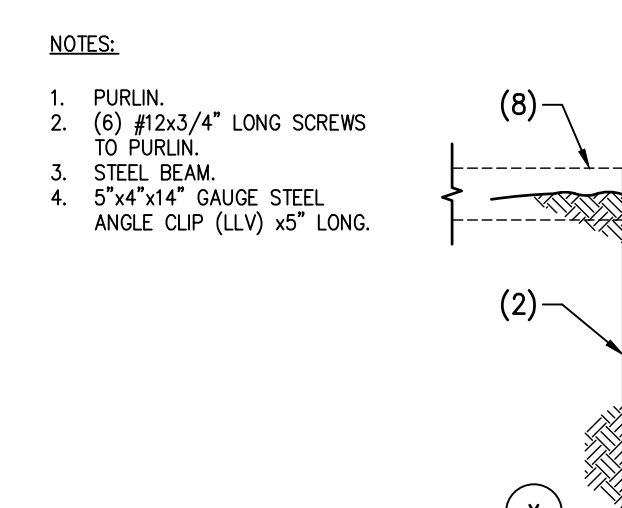
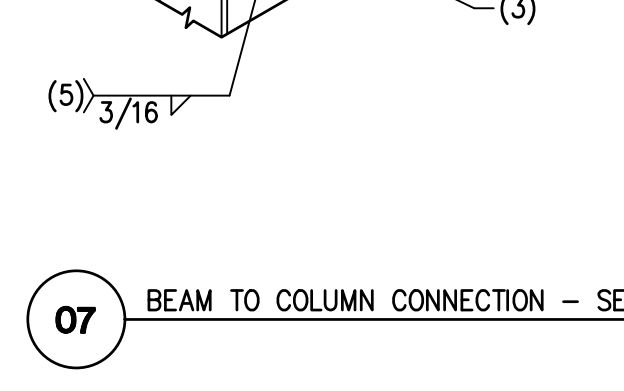
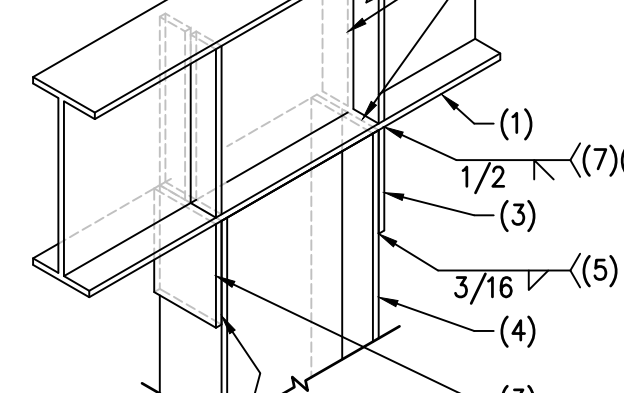
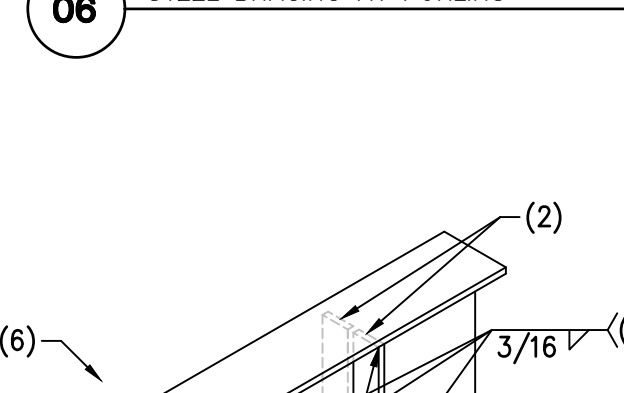
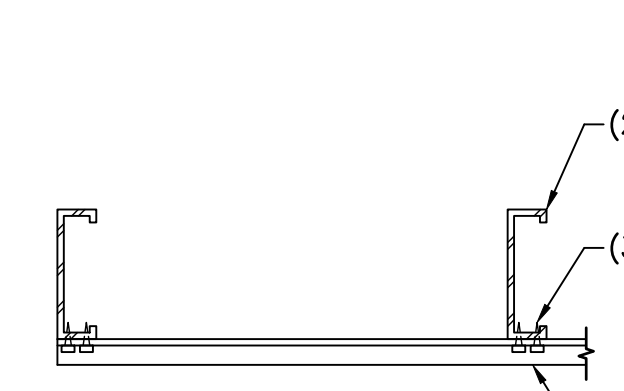
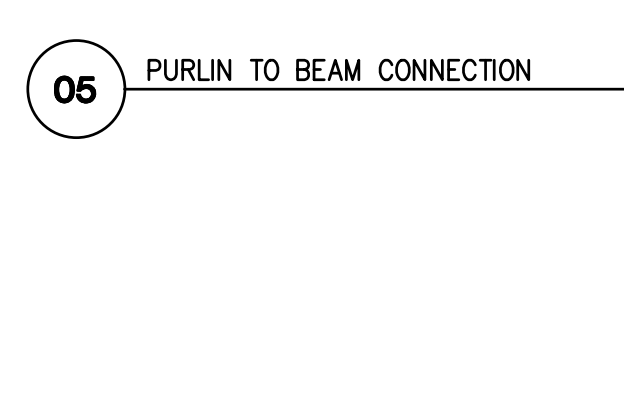
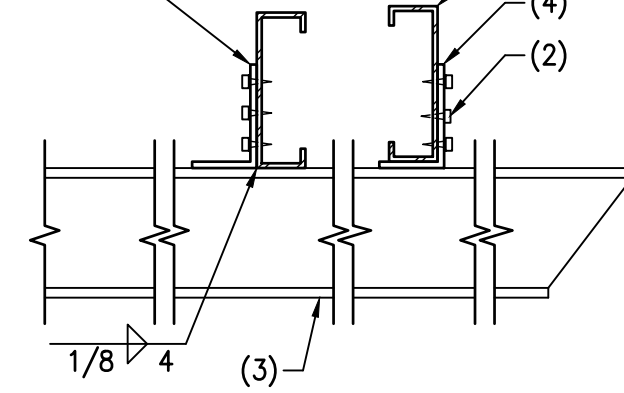
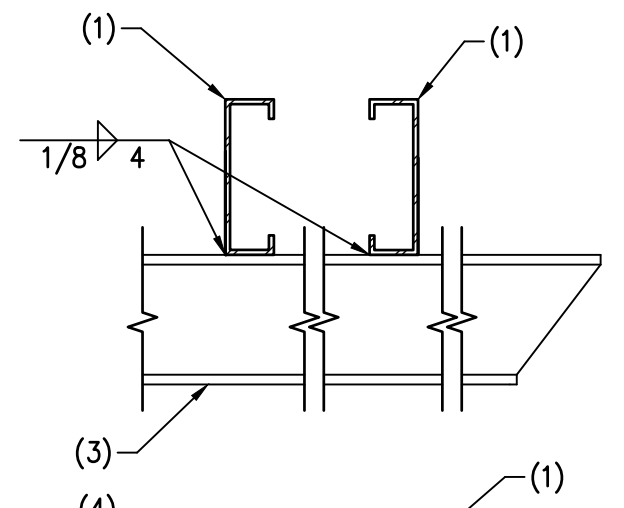
NOTES:

- STEEL ROOF DECK PER DETAIL 03.
- SCREWS PER DETAIL 03 AND PLAN.
- CONTINUOUS END CAP TRIM. ATTACH TO PURLIN WITH #12x3/4" SCREWS AT TOP AND BOTTOM FLANGE AND SCREWS AT 12" O.C. INTO STEEL ROOF DECK.
- PURLIN.
- FASCIA TRIM ATTACH TO STEEL ROOF DECK WITH #8x3/4" LONG SCREWS AT 12" O.C.
- 6" MAXIMUM FASCIA TRIM (OPTIONAL) ATTACH TO ROOF DECK WITH #8x3/4" LONG SCREWS AT 12" O.C.
- DRIP EDGE (OPTIONAL) ATTACH TO STEEL ROOF DECK WITH #8x3/4" LONG SCREWS AT 12" O.C.



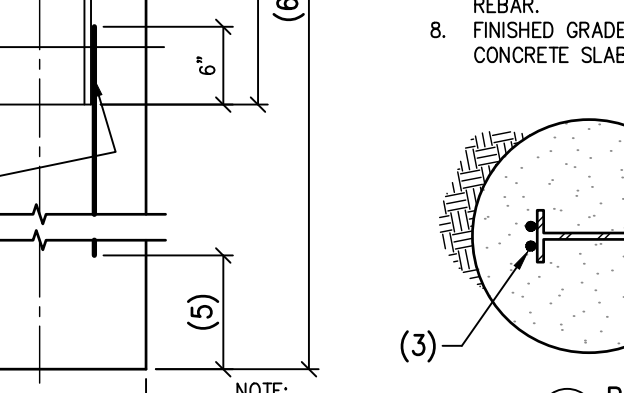
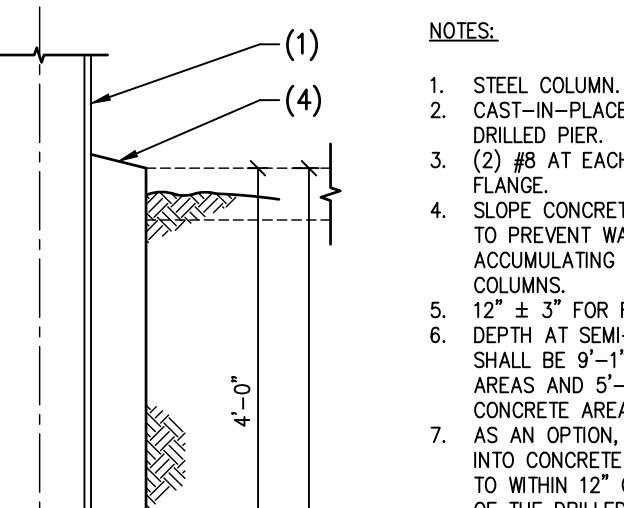
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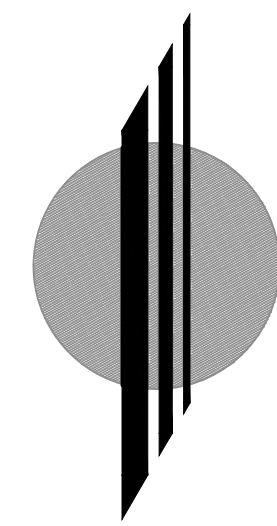
- PURLIN.
- (6) #12x3/4" LONG SCREWS TO PURLIN.
- STEEL BEAM.
- 5"x4"x1/4" GAUGE STEEL ANGLE CLIP (L.V.) x3" LONG.



NOTES:

- STEEL COLUMN.
- CAST-IN-PLACE CONCRETE DRILLED PIER.
- (2) #8 AT EACH COLUMN FLANGE.
- SLOPE CONCRETE UP SLIGHTLY TO PREVENT WATER FROM ACCUMULATING AROUND COLUMNS.
- 12" ± 3" FOR REBAR.
- DEPTH AT SEMI-CANTILEVER SHALL BE 9'-11" IN ASPHALT AREAS AND 5'-11" IN CONCRETE AREAS.
- AS AN OPTION, EMBED COLUMN INTO CONCRETE DRILLED PIER TO WITHIN 12" OF THE BOTTOM OF THE DRILLED PIER AND OMIT REBAR.
- FINISHED GRADE, ASPHALT OR CONCRETE SLAB ON GRADE.

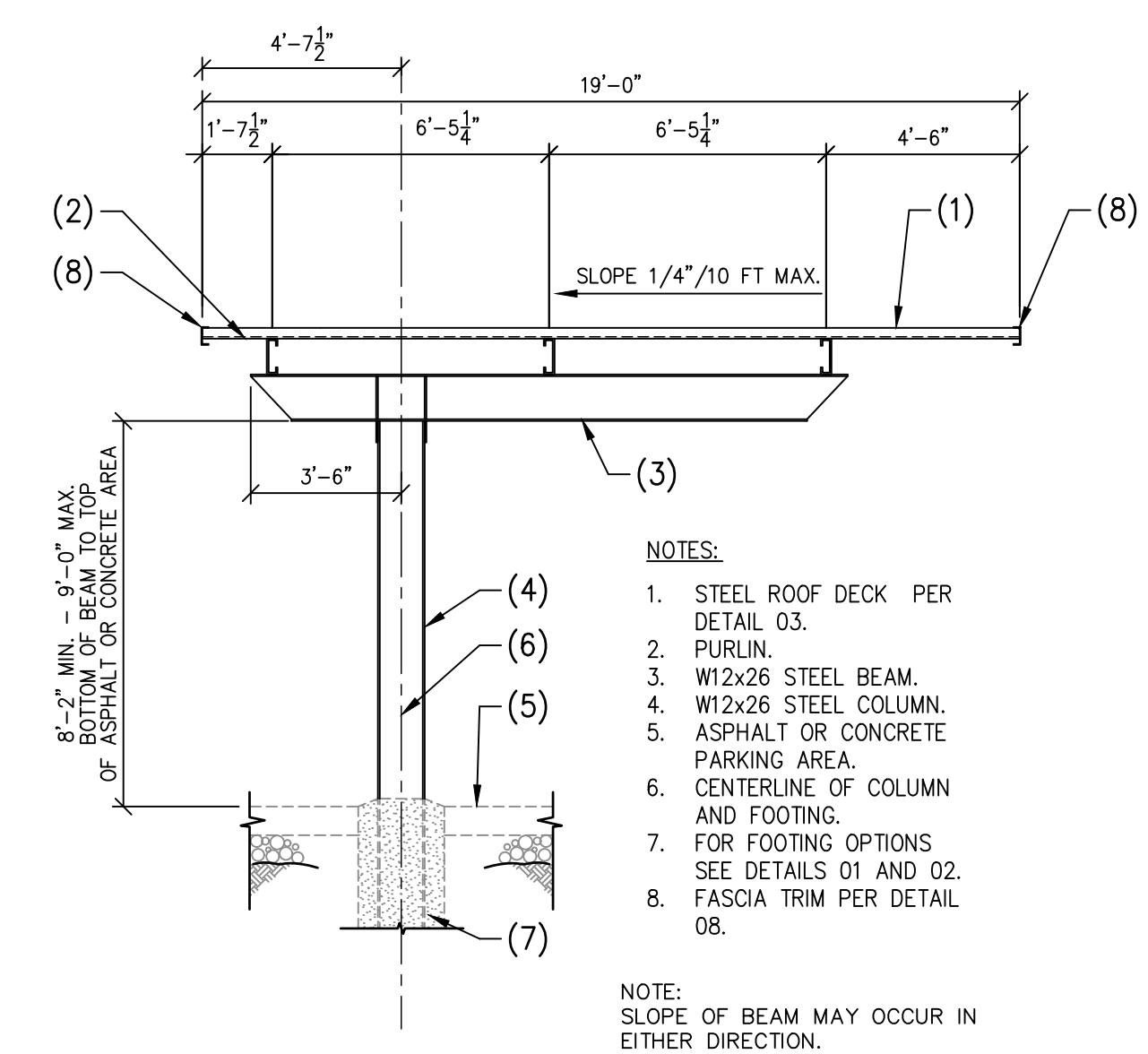




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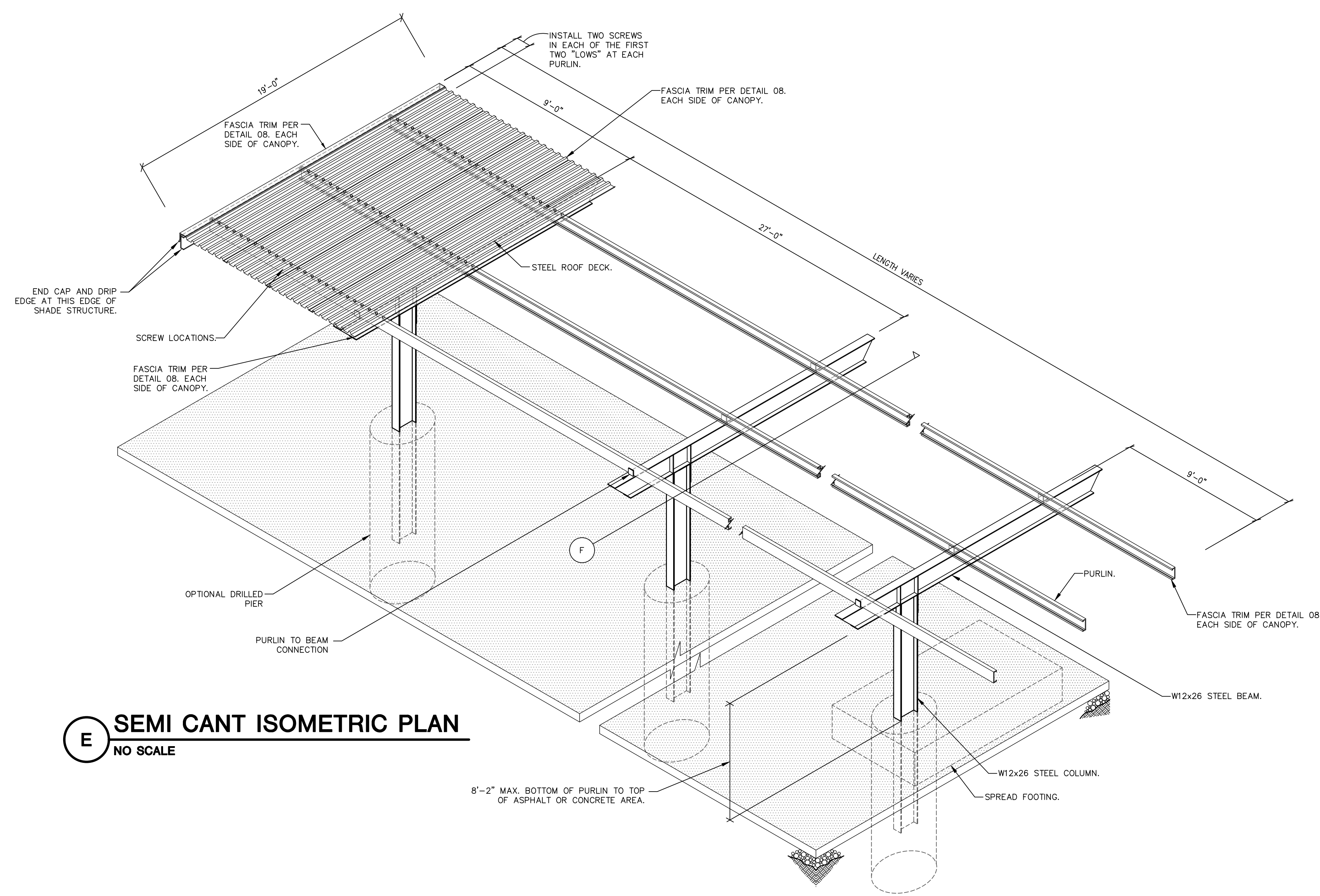
1215 W. Rio Salado Pkwy
Suite 200
Tempe, Arizona 85281
(480) 774-1700
(480) 774-1701 FAX
www.ctsaz.com



- NOTES:**
1. STEEL ROOF DECK PER DETAIL 03.
 2. PURLIN.
 3. W12x26 STEEL BEAM.
 4. W12x26 STEEL COLUMN.
 5. ASPHALT OR CONCRETE PARKING AREA.
 6. CENTERLINE OF COLUMN AND FOOTING.
 7. FOR FOOTING OPTIONS SEE DETAILS 01 AND 02.
 8. FASCIA TRIM PER DETAIL 08.

NOTE:
SLOPE OF BEAM MAY OCCUR IN EITHER DIRECTION.

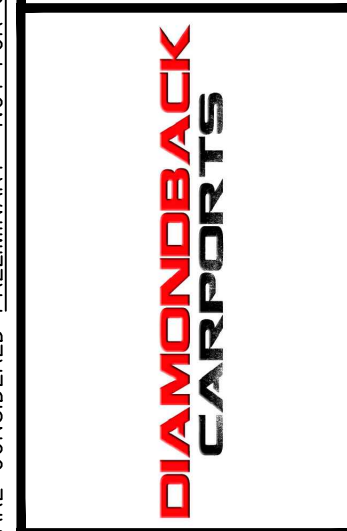
F SEMI CANT SECTION
NO SCALE



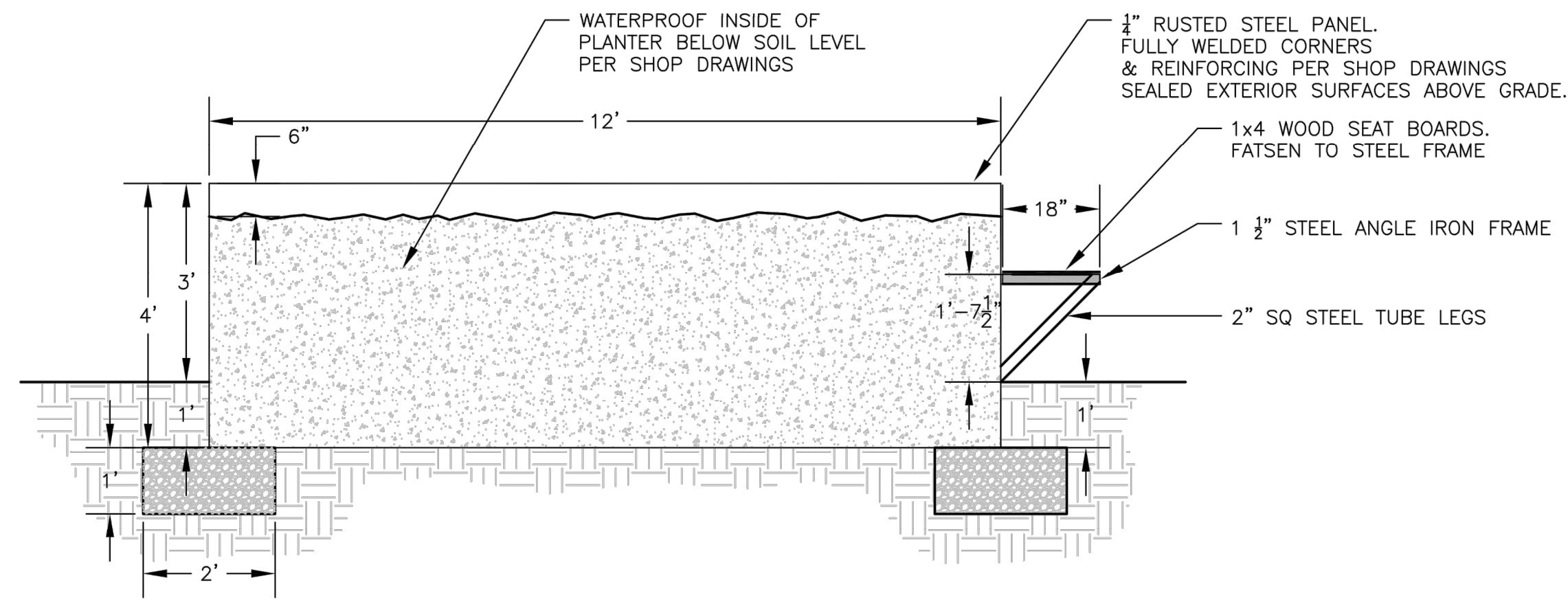
E SEMI CANT ISOMETRIC PLAN
NO SCALE

THESE DRAWINGS/CALCULATIONS ARE CONSIDERED PRELIMINARY - NOT FOR CONSTRUCTION OR RECORDING - UNLESS THE STRUCTURAL ENGINEER OF RECORD'S SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

TEE SHADE STRUCTURES
BRIO SHADE STRUCTURE
250 E. RAY RD.
CHANDLER, AZ 85225

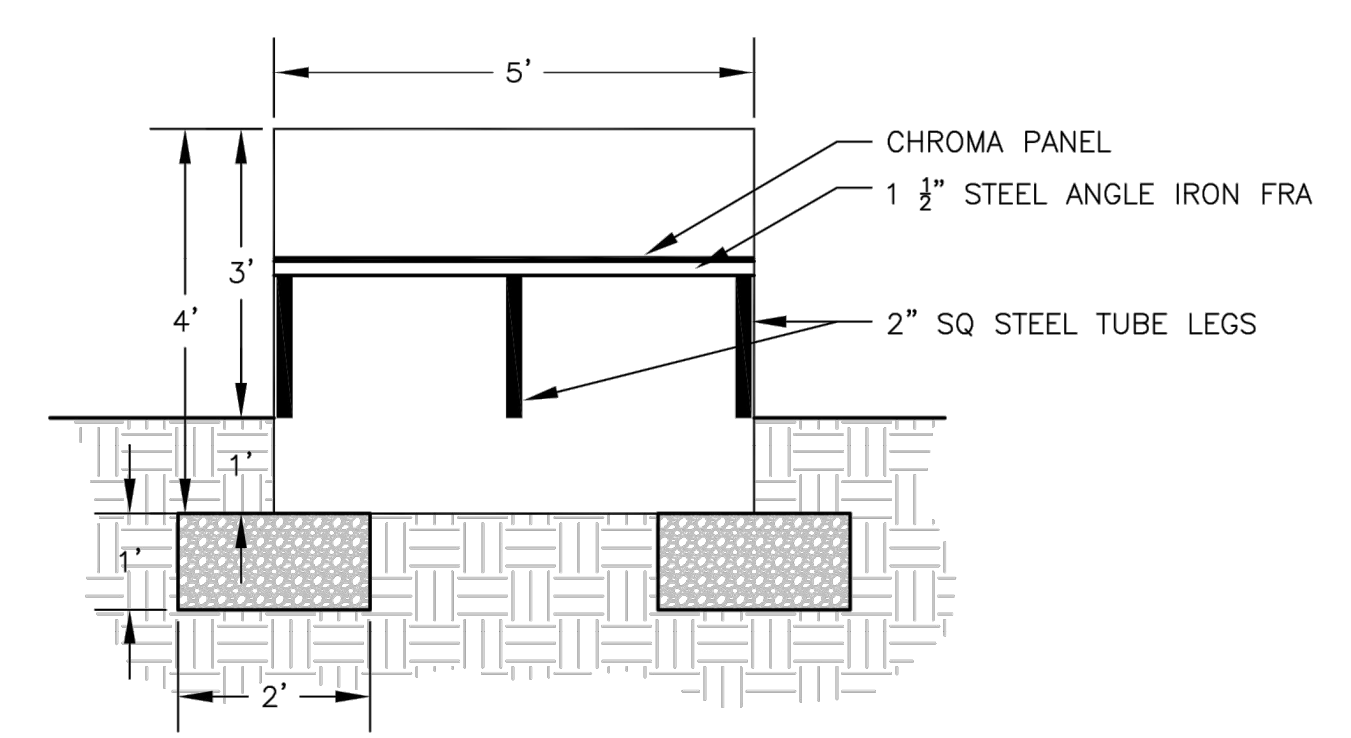


DRAWING EDITION:	
REVISIONS:	
JOB NUMBER: 16-1503	
DRAWN: JMG	ENGINEER: JSR
CHECKED: PGS	SCALE: AS NOTED
DATE: 12-13-2016	
SHEET: 2	



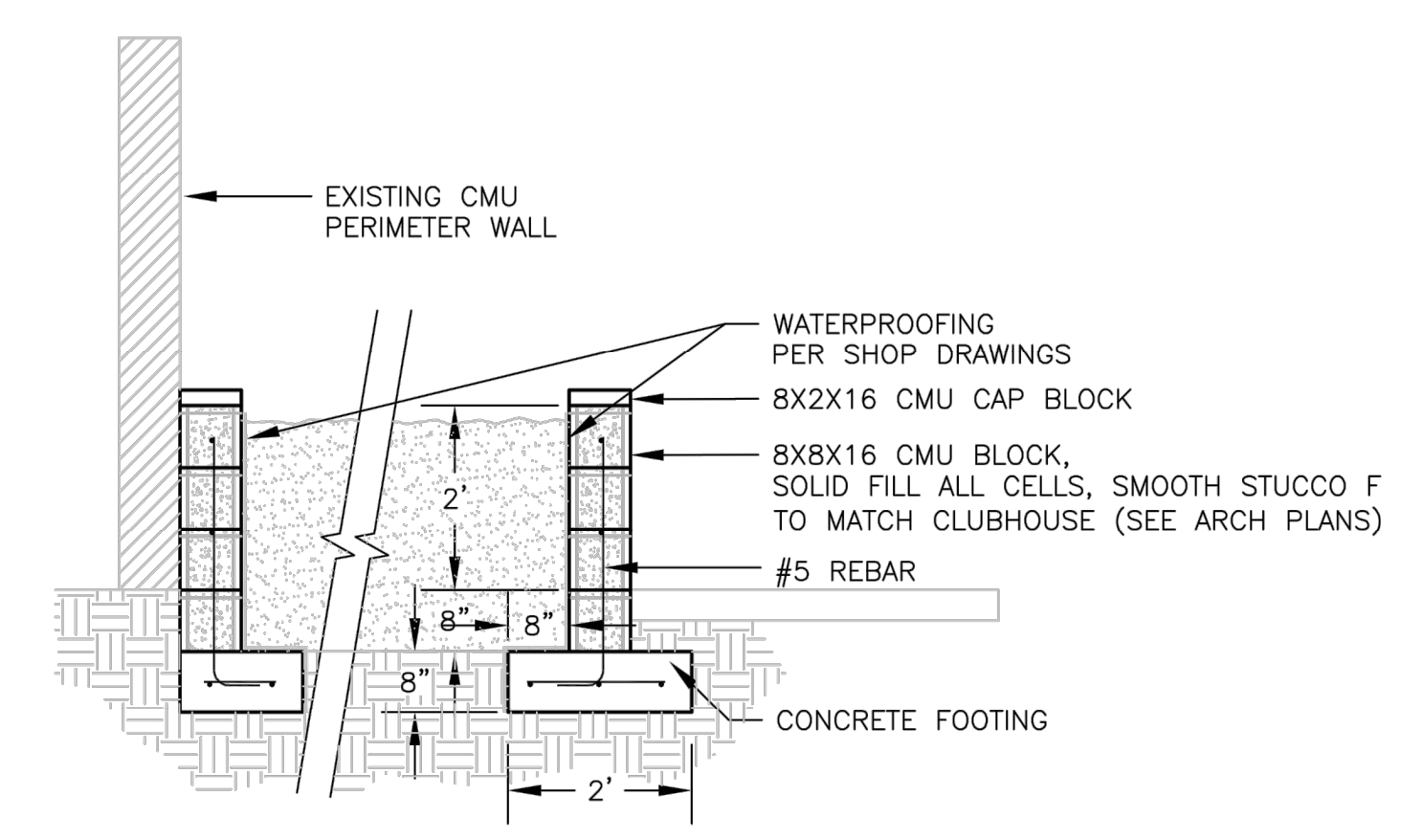
14 RAISED STEEL PLANTER - SIDE SECTION

1/2"=1'



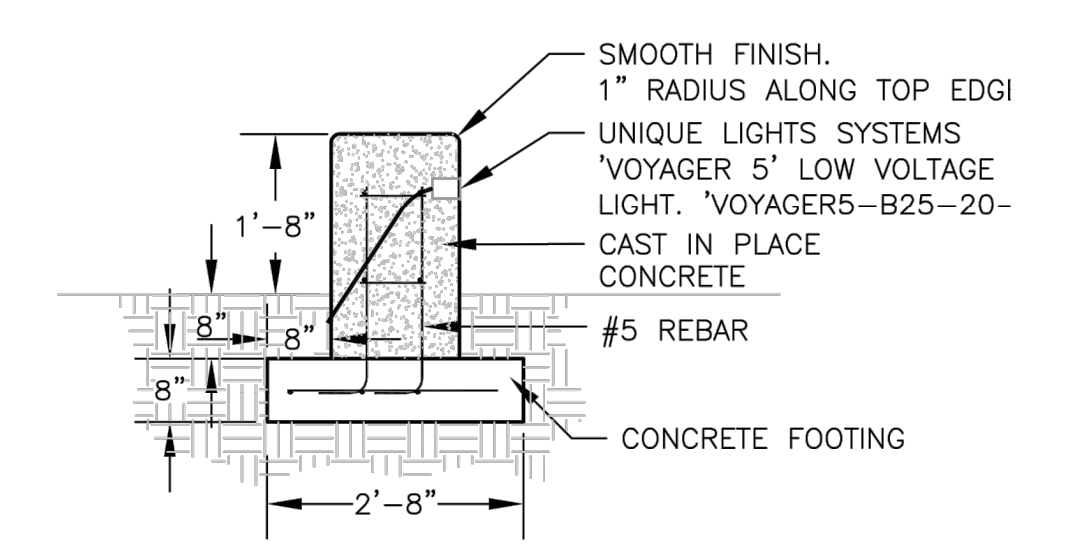
15 RAISED STEEL PLANTER - FRONT SECTION

1/2"=1'



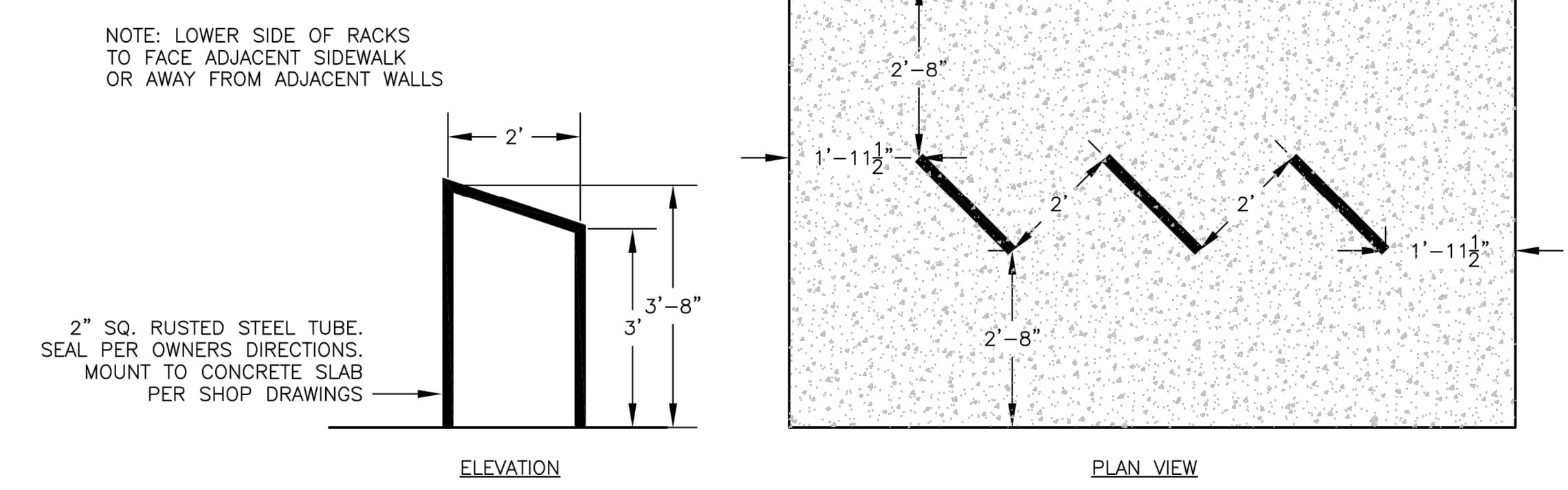
16 RAISED PLANTER SECTION

1/2"=1'



17 SEAT WALL SECTION

1/2"=1'



19 BICYCLE RACK

1/2"=1'

