

EL DORADO COUNTY PUBLIC SAFETY FACILITY MORGUE BUILDING

240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619

EL DORADO COUNTY

BOARD OF SUPERVISORS
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EL DORADO COUNTY SHERIFF

JOHN D'AGOSTINI

UNDERSHERIFF

RANDY PESHON

ISSUE DATE: 06-18-2018



BUILDING AREA (PER 502.1 & CHAPTER 2)	
Area	
4,945 SF	

DEFERRED SUBMITTALS

DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

- LIST OF DEFERRED SUBMITTALS:
- FIRE ALARM SYSTEM
 - EQUIPMENT STRUCTURAL ANCHORAGE

APPLICABLE CODES

THIS PROJECT IS DESIGNED TO COMPLY WITH THE FOLLOWING CODES:

- 2016 CBC (CALIFORNIA BUILDING CODE)
- 2016 CMC (CALIFORNIA MECHANICAL CODE)
- 2016 CPC (CALIFORNIA PLUMBING CODE)
- 2016 CEC (CALIFORNIA ENERGY CODE)
- 2016 EEC (CALIFORNIA ELECTRICAL CODE)
- 2016 IFC (CALIFORNIA FIRE CODE)
- 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen)
- 2010 ADAAG (AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN)

CODE DATA SUMMARY

BUILDING NAME:	MORGUE
BUILDING IDENTIFICATION:	MO
OCCUPANCY CLASSIFICATION:	SINGLE OCCUPANCY
OCCUPANCY GROUP:	B/S-1
CONSTRUCTION TYPE:	II-B
SPRINKLER / FIRE PROTECTION REQ.:	Yes
SPRINKLER / FIRE PROTECTION:	Yes
BUILDING AREA:	4,945 SF
TABULAR BUILDING HEIGHT SECTION:	TABLE 503
GROUP:	B/S-1
TABLE ALLOWABLE STORIES:	1
TABLE MAXIMUM HEIGHT:	10'
HEIGHT & STORY INCREASE:	Yes
MAXIMUM ALLOWABLE STORIES:	1
MAXIMUM BUILDING HEIGHT:	10'
ACTUAL STORIES:	1
ACTUAL HEIGHT:	24'

1 STORIES ALLOWABLE > 1 STORIES PROVIDED, THEREFORE **OK**
10' HEIGHT ALLOWABLE > 24' HEIGHT PROVIDED, THEREFORE **OK**

TABULAR ALLOWABLE FLOOR AREA (A ₁):	TABLE 503
GROUP:	B/S-1
TABLE ALLOWABLE FLOOR AREA:	5,000 SF

ALLOWABLE AREA INCREASES:
ALLOWABLE AREA (A₂) FLOOR CALCULATION PER SECTION 506.1

FRONTAGE INCREASE I _f :	Yes	F = FRONTAGE =	400'
I _f = [F / P - 0.25] W / 30		P = TOTAL PERIMETER =	294'
I _f = [400' / 448' - 0.25] 25' / 30		W = WIDTH =	25'
I _f = 0.54			

SPRINKLER INCREASE I_s : 0

A₂ = (A₁ + [A₁ x I_f] + [A₁ x I_s])
A₂ = (5,000 + [5,000 x 0.54] + [5,000 x 0])
A₂ = 7,679 SF
A₂ = 83,125 SF > 4,945 SF , THEREFORE **OK**



EL DORADO COUNTY PUBLIC SAFETY FACILITY
MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619



NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KSM/MG
DRAWN BY: SSR/RJ
APPROVED BY: MC
SHEET TITLE:
MORGUE
GENERAL
COVER SHEET

SHEET NUMBER:
MO-G-0.0

BICYCLE PARKING SCHEDULE

Description	QTY. UNITS	QTY. SPACES
HOOP RACK - SHORT TERM PARKING	8	16
STORAGE UNIT - LONG TERM PARKING - SINGLE	7	7
STORAGE UNIT LONG TERM PARKING - DOUBLE	4	8
TOTALS	19	31

PARKING SCHEDULE

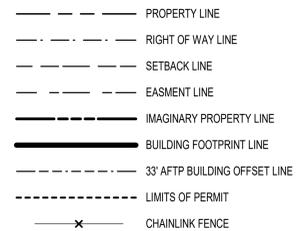
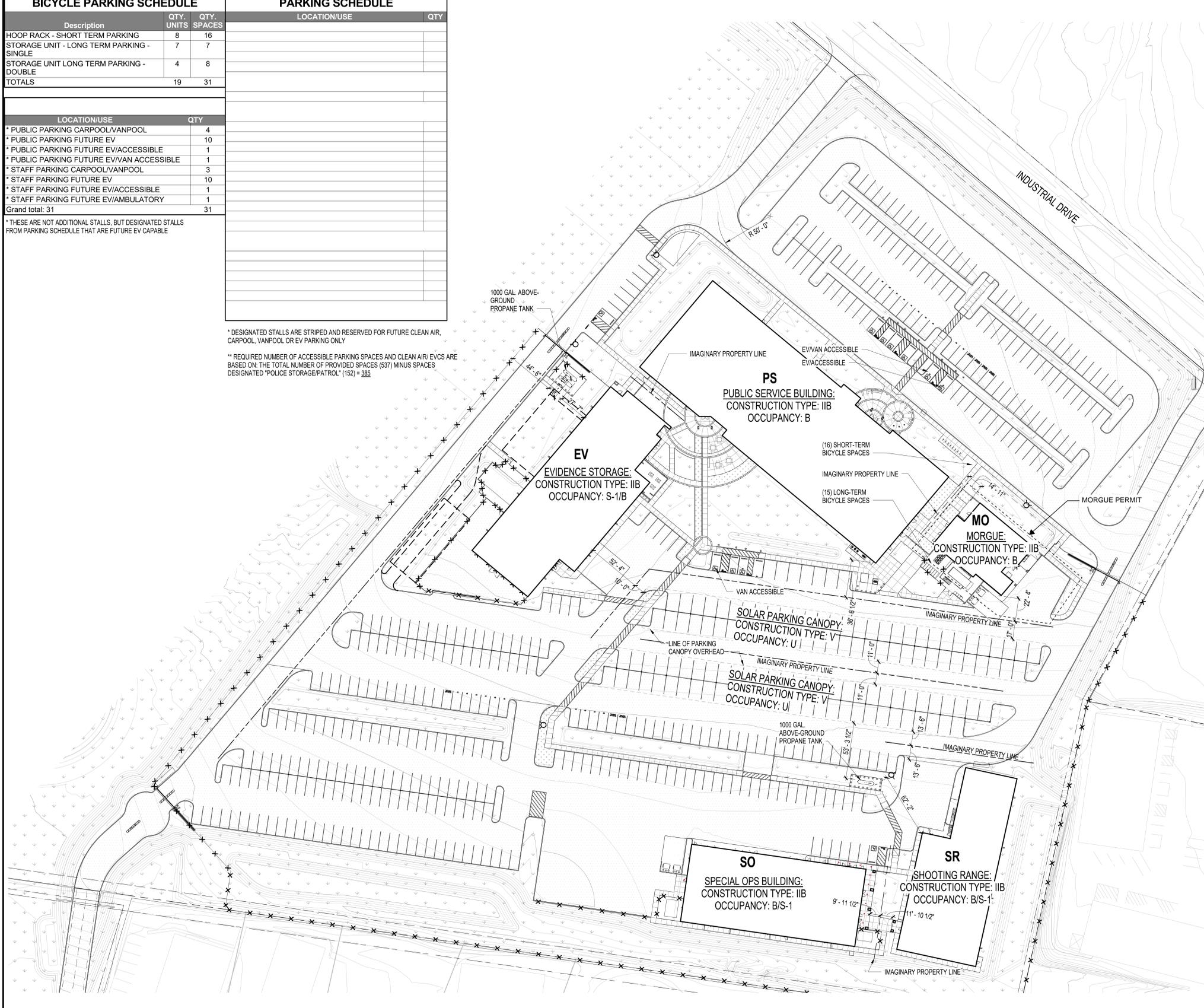
LOCATION/USE	QTY
* PUBLIC PARKING CARPOOL/VANPOOL	4
* PUBLIC PARKING FUTURE EV	10
* PUBLIC PARKING FUTURE EV/ACCESSIBLE	1
* PUBLIC PARKING FUTURE EV/VAN ACCESSIBLE	1
* STAFF PARKING CARPOOL/VANPOOL	3
* STAFF PARKING FUTURE EV	10
* STAFF PARKING FUTURE EV/ACCESSIBLE	1
* STAFF PARKING FUTURE EV/AMBULATORY	1
Grand total:	31

LOCATION/USE	QTY
* PUBLIC PARKING CARPOOL/VANPOOL	4
* PUBLIC PARKING FUTURE EV	10
* PUBLIC PARKING FUTURE EV/ACCESSIBLE	1
* PUBLIC PARKING FUTURE EV/VAN ACCESSIBLE	1
* STAFF PARKING CARPOOL/VANPOOL	3
* STAFF PARKING FUTURE EV	10
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Grand total:	31

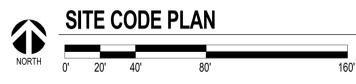
* THESE ARE NOT ADDITIONAL STALLS, BUT DESIGNATED STALLS FROM PARKING SCHEDULE THAT ARE FUTURE EV CAPABLE

* DESIGNATED STALLS ARE STRIPED AND RESERVED FOR FUTURE CLEAN AIR, CARPOOL, VANPOOL OR EV PARKING ONLY.

** REQUIRED NUMBER OF ACCESSIBLE PARKING SPACES AND CLEAN AIR/ EVCS ARE BASED ON: THE TOTAL NUMBER OF PROVIDED SPACES (537) MINUS SPACES DESIGNATED "POLICE STORAGE/PATROL" (152) = 385



NOTE: FOR REFERENCE ONLY, SITE WORK INCLUDED IN PREVIOUS PERMIT



APPLICABLE CODES

- THIS PROJECT IS DESIGNED TO COMPLY WITH THE FOLLOWING CODES:**
- 2016 CBC (CALIFORNIA BUILDING CODE)
 - 2016 CMC (CALIFORNIA MECHANICAL CODE)
 - 2016 CFC (CALIFORNIA PLUMBING CODE)
 - 2016 CEC (CALIFORNIA ENERGY CODE)
 - 2016 CEA (CALIFORNIA ELECTRICAL CODE)
 - 2016 CFA (CALIFORNIA FIRE CODE)
 - 2010 ADAAG (AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN)
 - 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen)

ACCESSIBILITY NOTES:

1. ACCESSIBILITY SHALL BE PROVIDED IN ACCORDANCE WITH 2016 CALIFORNIA BUILDING CODE, CHAPTER 11B.
2. AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE PROVIDED TO ALL PORTIONS OF EACH BUILDING AND BETWEEN BUILDINGS.
3. ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED IN THE SAME NUMBER AS REQUIRED FOR EXITS IN ACCORDANCE WITH THE 2016 CBC.
4. REST ROOMS HAVE BEEN DESIGNED FOR ACCESSIBILITY TO THE DISABLED.
5. ACCESSIBLE EGRESS ROUTES OF TRAVEL DO NOT PASS THROUGH KITCHENS, STORE ROOMS, REST ROOMS OR SIMILAR PLACES.

GENERAL NOTES:

1. SEE INDIVIDUAL CODE PLANS FOR EACH BUILDING'S DETAILED CODE ANALYSIS.
2. EACH BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER / SUPPRESSION SYSTEM
3. ALL PRODUCTS LISTED BY ICC/NER NUMBERS SHALL BE INSTALLED PER THE REPORT AND MANUFACTURER'S WRITTEN INSTRUCTIONS. PRODUCT SUBSTITUTIONS FOR PRODUCTS LISTED SHALL ALSO HAVE ICC APPROVED EVALUATION REPORTS OR BE APPROVED AND LISTED BY OTHER NATIONALLY RECOGNIZED TESTING AGENCY.
4. ABOVE-GROUND PROPANE TANKS SHALL BE INSTALLED PER NFPA 58-2014. LOCATE TANKS 25'-0" MIN. FROM ANY PROPERTY LINES OR BUILDINGS PER NFPA 58, TABLE 6.3.1.
5. FIRE LANES SHALL BE POSTED ON BOTH SIDES WITH SIGNS AS REQUIRED BY THE DIAMOND SPRINGS-EL DORADO FIRE MARSHAL WITH THE WORDS "NO PARKING - FIRE LANE"
6. KEY BOXES PER CFC 2016 SECTION 506 SHALL BE PROVIDED IN LOCATIONS DESIGNATED BY THE DIAMOND SPRINGS-EL DORADO FIRE MARSHAL. KEY BOXES SHALL BE UL 1037 LISTED.
7. TABLE REFERENCES 601 AND 602 BELOW ARE APPLICABLE TO ALL BUILDINGS ON THE SITE (TYPE IIB OR V CONSTRUCTION TYPES).

ZONING CODE SITE DATA

GENERAL:

- REFERENCE: EL DORADO COUNTY ZONING ORDINANCE
- ZONING: INDUSTRIAL LOW
- USE: COUNTY SERVICES

C-2 ZONING DIMENSIONAL REQUIREMENTS:

- MINIMUM PROPERTY SIZE: 10,000 SF
- MINIMUM LOT WIDTH: 60 FEET
- FRONT YARD SETBACK: 10 FEET
- SIDE YARD SETBACK: 5 FEET
- REAR YARD SETBACK: 10 FEET
- MAXIMUM BUILDING HEIGHT: 50 FEET
- MAXIMUM FLOOR AREA RATIO: 0.85

LOT INFORMATION:

- LOT AREA: 30.36 ACRES
- LOT WIDTH: 833'
- FLOOR AREA RATIO: 1,322,482 x 0.85 = 1,124,109 SF

COUNTY PARKING REQUIREMENTS:

- OFFICE: 1 SPACE PER 250 SF OF AUA
- STORAGE: 1 SPACE PER 1,000 SF (FIRST 10,000), 1 SPACE PER 3,000 SF (OVER 10,000)
- SHOOTING RANGE: 1 SPACE PER SHOOTING LANE (USED GOLF DRIVING RANGE RATIO AS EQUIVALENT)

- TOTAL OFFICE AUA = 65,304.4 SF/250 = 262 SPACES REQUIRED
- TOTAL STORAGE AUA = 21,259.5 SF
- 1 PER 1,000 FOR 1ST 10,000 SF = 10 SPACES REQUIRED
- 1 PER 3,000 > 10,000 SF = 4 SPACES REQUIRED
- 1 SPACE PER SHOOTING LANE x 10 SHOOTING RANGE LANES = 10 SPACES REQUIRED

286 TOTAL PARKING SPACES REQUIRED

REQUIRED PARKING CALCULATION

537 TOTAL PROVIDED PARKING
 - 152 POLICE STORAGE / PATROL
 385 NET PROVIDED PARKING > 286 TOTAL REQUIRED PARKING PER COUNTY ZONING ORDINANCE

8 TOTAL ACCESSIBLE PARKING REQUIRED PER CBC TABLE 11B-208.2 AND 11B-208.2.4

6 STANDARD ACCESSIBLE REQUIRED
 2 VAN ACCESSIBLE REQUIRED (1 PER 6 OR FRACTION OF 6 REQUIRED)

31 CLEAN AIR/CARPOOL/VANPOOL PARKING REQUIRED (8% OF 385) PER CALGREEN 5.106.5.2

24 FUTURE ELECTRIC VEHICLE CHARGING STATIONS REQUIRED (6% OF 85) PER CALGREEN 5.106.5.3.3

PER CBC TABLE 11B-812.6.3:

- 1 VAN ACCESSIBLE EVCS REQUIRED
- 1 STANDARD ACCESSIBLE EVCS REQUIRED
- 0 AMBULATORY EVCS REQUIRED

15 SHORT-TERM BICYCLE PARKING REQUIRED (5% OF 286) PER CALGREEN 5.106.4

15 LONG-TERM BICYCLE PARKING REQUIRED (5% OF 286) PER CALGREEN 5.106.4



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REGISTRANT SEAL

EL DORADO COUNTY PUBLIC SAFETY FACILITY
SITE
200 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619



NO.	REVISION	DATE

PROJECT NO.: 2017.033
 DATE: 06-01-2018
 DESIGNED BY:
 DRAWN BY:
 APPROVED BY:
 SHEET TITLE:
 SITE GENERAL
 SITE CODE DATA PLAN

SHEET NUMBER:
PS-G-1.1

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS PER 2016 CBC TABLE 601

CONSTRUCTION TYPE	STRUCTURAL FRAME	BEARING WALLS	NON-BRG. WALLS & PARTITIONS (EXT.)	NON-BRG. WALLS & PARTITIONS (INT.)	FLOOR CONSTRUCTION	ROOF CONSTRUCTION
IIB / V REQUIRED	0	0	0	0	0	0
IIB / V PROVIDED	0	0	0	0	0	0
UL DESIGN NO.	N/A	N/A	N/A	N/A	N/A	N/A

BUILDING IDENTIFICATION: -

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION: IIB / V				OCCUPANCY GROUP(S): SEE PLAN			
	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H ¹	OCCUPANCY GROUP F-1, M, S-1 ²	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2 ¹ , U ³	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2 ¹ , U ³	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2 ¹ , U ³	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2 ¹ , U ³	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2 ¹ , U ³
X < 5 ⁴	ALL	3	2	1				
5 ≤ X < 10	IA	3	2	1				
	Others	2	1	1				
10 ≤ X < 30	IA, IB	2	1	1 ⁴				
	IIB, VB	1	0	0				
	Others	1	1	1 ⁴				
X ≥ 30	ALL	0	0	0				

a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table 601.
 b. For special requirements for Group U occupancies, see Section 408.3.
 c. See Section 706.1.1 for party walls.
 d. Open parking garages complying with Section 406 shall not be required to have a fire-resistance rating.
 e. The fire-resistance rating of an exterior wall is determined based upon the fire separation distance of the exterior wall and the story in which the wall is located.
 f. For special requirements for Group H occupancies, see Section 415.5.
 g. For special requirements for Group S aircraft hangars, see Section 412.4.1.
 h. Where Table 705.5 permits nonbearing exterior walls with unlimited areas of unprotected openings, the required fire-resistance rating for the exterior walls is 0 hours.

TABLE 5.504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{2,3}
Grams of VOC per Liter of Coating,
Less Water and Less Exempt Compounds

COATING CATEGORY	CURRENT LIMIT
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
SPECIALTY COATINGS	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coatings (sign paints)	500
High temperature coatings	420
Industrial maintenance coatings	250
Low solids coatings ¹	120
Magnesium cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Rust preventative coatings	250
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

- Grams of VOC per liter of coating, including water and including exempt compounds.
- The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
- Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

TABLE 5.504.4.1
ADHESIVE VOC LIMIT^{1,2}
Less Water and Less Exempt Compounds in Grams Per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesive not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	250
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

- If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.
- For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168, <http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF>.

REQUIREMENTS CHECKLIST

2016 CALIFORNIA GREEN BUILDING STANDARDS¹

NON-RESIDENTIAL MANDATORY MEASURES

¹Including January 2017 Errata

Project Name: El Dorado County - MO Bldg.
Project Number: 2017.033
Date: June 18, 2018 - 100% CD Submittal

Chapter 5 - NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 - PLANNING AND DESIGN

Item #	Code Section	Requirement	Design	Permit	Const.	Responsible Party	Reference	Comments
1.01	5.106.1.2	Best Management Practices (BMP)			X	CR	Civil Sheets 14, 15, 16	BMPs will be per CASQA (California Stormwater Quality Association)
1.02	5.106.4.1.1	Bicycle Parking: Short-Term Bicycle Parking	X			A	See Permitted Sheet PS-G-1.1	(15) Short-term bicycle spaces are provided.
1.03	5.106.4.1.2	Bicycle Parking: Long-Term Bicycle Parking	X			A	See Permitted Sheet PS-G-1.1	(15) Long-term bicycle parking spaces are provided
1.04	5.106.5.2	Clear Air Vehicle Designated Parking	X			A	See Permitted Sheet PS-G-1.1	(31) Clean Air/Carpool/Vanpool spaces are provided.
1.05	5.106.5.3	Future Electric Vehicle Charging	X			A/E	See Permitted Sheet PS-G-1.1	(31) EV Capable parking space, conduit and OCP provided
1.06	5.106.8	Light Pollution Reduction	X			E		See Electrical Plans
1.07	5.106.10	Grading & Paving	X			C	See Civil Sheets 3-13	See Civil Grading and Storm Drainage Plans.

DIVISION 5.2 - ENERGY EFFICIENCY

Item No.	Code Section	Requirement	Design	Permit	Const.	Responsible Party	Reference	Comments
2.01	5.201		NA					Building Complies with California Energy Code
	CEC 110.6	Mandatory requirements for fenestration and doors	X			A	Specifications 08 11 13, 08 11 19, 08 41 13, 08 42, 29.23, 08 80 00	Exterior Doors NTE .3 cfm/ft2 of glazed area, or door area of single swing doors. NTE 1.0 cfm/ft2 double swing door area per NFRC-400 or ASTM E283 at 1.57 psi
	CEC 110.7	Mandatory requirements to limit air leakage			X	CR		Building Complies with California Energy Code Section 110.7
	CEC 110.8	Mandatory requirements for insulation, roofing products and radiant barriers	X			A	Specifications 07 21 00, 07 41 13.16, 07 54 19	Building Complies with California Energy Code Section 110.8
	CEC 120.7	Mandatory insulation requirements	X			A		Weighted average U-factor NTE .075 (R-13.3)
	CEC 140.2(a)	Building Envelope - Prescriptive Compliance				A		See below
	CEC 140.3(a)1A	Exterior roofs and ceilings - Roofing Products	X			A	Specifications 13 34 19 and 07 54 19	Low-sloped roof: Min. aged SRI = .63, Min. thermal emittance = .75, Min. SRI = .75
	CEC 140.3(a)1B	Exterior roofs and ceilings - Roof insulation	X			A		Max. U-Factor .034 (Min. R-value=29.4)
	CEC 140.3(a)2	Exterior Walls	X			A		Mass wall: Max. U-Factor 0.160 (Min. R-value=6.25)
	CEC 140.3(a)3	Demising Walls	X			A		Not applicable
	CEC 140.3(a)4	Exterior floors and soffits	X			A		Max. U-Factor 0.039 (Min. R-value=25.64) Roof insulation extends over soffit areas.
	CEC 140.3(a)5A	Fenestration - Window area	X			A		West-facing fenestration: 61.82 SF vertical fenestration < (1164.16 SF wall x .40) = 465.67 SF max Total glazing at MO building: 154.82 SF total vertical fenestration < (5,943.13 SF gross exterior wall area x .4) = 2,377.25 max. fenestration - OK
	CEC 140.3(a)5B	Fenestration - U-Factor	X			A	Specification 08 80 00	Fixed: .36 Max., Storefront: .41 Max., Glazed Doors: .45 Max.
	CEC 140.3(a)5C	Fenestration - RSHGC	X			A	Specification 08 80 00	Fixed: .25 Max., Storefront: .26 Max., Glazed Doors: .23 Max.
	CEC 140.3(a)5D	Fenestration - Visible Transmission	X			A	Specification 08 80 00	Fixed: .42 Min., Storefront: .46 Min., Glazed Doors: .17 Min.
	CEC 140.3(a)6	Skylights	X			A	Specification 08 62 70	51.29SF Solatubes area < Roof area = 4273.15SF * .10 = 427.32SF
	CEC 140.3(a)7	Exterior Doors	X			A	Specification 08 11 13	Non swinging doors: Max. U-Factor= .50, Swing doors: Max. U-Factor=.70 (See also requirements for glazed doors, above)
	CEC 140.3(a)8	Relocatable public school buildings						Not applicable
	CEC 140.3(a)9	Air barrier	X			A		Precast concrete exterior walls and fully adhered single-ply roof membrane (meets Table 140.3-A)

DIVISION 5.3- WATER EFFICIENCY AND CONSERVATION

Item No.	Code Section	Requirement	Design	Permit	Const.	Disp.	Reference	Comments
3.01	5.303.1.1	Meters: New Buildings or Additions in Excess of 50,000 S.F.				P		N/A - No leased, rented or tenant spaces in building to sub-meter.
3.02	5.303.1.2	Meters: Excess Consumption				P		N/A - Building is not projected to consume more than 1,000 gal./day.
3.03	5.303.3	Water Conserving Plumbing Fixtures and Fittings	X			P	See Sheet MO-P-5.01	Selected plumbing fixtures and faucets comply with the maximums indicated in Section 5.303.3
3.04	5.303.3.1	Water Closets	X			P	See Sheet MO-P-5.01	Selected Fixtures comply with the 1.28 gal. max. flush volume
3.05	5.303.3.2	Urinals	X			P	See Sheet MO-P-5.01	Selected Fixtures comply with the 0.125 gal. max. flush volume
	5.303.3.3	Showerheads	X			P	See Sheet MO-P-5.01	Selected Fixtures comply with the 2.0 GPM @ 80 psi flow rate
3.06	5.303.3.4.1	Nonresidential Lavatory Faucets	X			P	See Sheet MO-P-5.01	Selected Faucets comply with the 0.5 gal./minute max. flow rate at 60 psi.
3.07	5.303.3.4.2	Kitchen Faucets	X			P	See Sheet MO-P-5.01	Selected Faucets comply with the 1.8 gal./minute max. flow rate at 60 psi.
	5.303.3.4.3	Wash Fountains	X			P		N/A - None in project
3.08	5.304.1	Outdoor Water Use	X			L	See Spec Section 32 8000	Meets MWEL0 requirements
3.09	5.304.2	Outdoor Potable Water Use >500 SF	X			L		N/A -
3.10	5.304.3	Irrigation Design ≥ 2,500 SF	X			L		Complies with 5.304.2(1)

DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

Item No.	Code Section	Requirement	Design	Permit	Const.	Responsible Party	Reference	Comments
4.01	5.407.1	Weather Protection	X			A	See Spec Sections: 07 14 13, 07 19 00, 07 24 13, 07 25 00, 07 42 13.13, 07 6200, 07 9200 and wall sections MO-A-3.2 - MO-A-3.3	Provide weather-resistant exterior wall and foundation envelope. Must meet CBC 1403.2 & CEC Section 150
4.02	5.407.2.1	Moisture Control: Sprinklers	X			L		See Irrigation Plans
4.03	5.407.2.2	Moisture Control: Entries & Openings	X			A		Provide 4'-0" D overhangs, or recessed 4'-0"
4.04	5.407.2.2.2	Flashing	X			A	See Door and Window details Sheets MO-A-9.2.1	Door and window frames shall have flashings integrated with the drainage plane.
4.05	5.408.1.1	Construction Waste Management Plan			X	CR	Specification 01 74 19	To be Edited and Maintained by the General Contractor
4.06	5.408.1.2	Construction Waste Management Plan: Waste Management Company			X	CR	Specification 01 74 19	To be Edited and Maintained by the General Contractor
4.07	5.408.1.4	Construction Waste Management Plan: Documentation			X	CR	Specification 01 74 19	To be Edited and Maintained by the General Contractor
4.08	5.408.3	Excavated Soil & Land Clearing Debris			X	CR	See Spec Section 32 9000	Materials as indicated by the specifications shall be removed from the site and taken to the Greenwaste Recycling Center.
4.90	5.410.1	Recycling By Occupants	X			O		Will meet locally enacted recycling ordinance
4.1	5.410.4	Testing & Adjusting				See Below	SPECIFICATIONS per Mechanical, Electrical & Plumbing Plans	HVAC, indoor lighting, and water heating to be tested
4.10a	5.410.4.2	Systems			X	CR		
4.10b	5.410.4.3	Procedures			X	CR		
4.10c	5.410.4.3.1	Procedures: HVAC Balancing			X	CR		
4.10d	5.410.4.4	Reporting			X	CR		
4.10e	5.410.4.5	Operation & Maintenance Manual			X	CR		
4.10f	5.410.4.5.1	Inspections & Reports			X	CR		

TABLE 5.504.4.2
SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural	250
Nonporous	775
Porous	500
Modified bituminous	500
Marine deck	760
Other	750

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

TABLE 5.504.4.5
FORMALDEHYDE LIMITS¹
Maximum Formaldehyde Emissions in Parts per Million

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard ²	0.13

- Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see *California Code of Regulations*, Title 17, Sections 93120 through 93120.12.
- Thin medium density fiberboard has a maximum thickness of 3/16 inch (8 mm).



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"DIGITALLY CERTIFIED"

EL DORADO COUNTY PUBLIC SAFETY FACILITY
MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619



NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KSM/G
DRAWN BY: SSR/J
APPROVED BY: MC

SHEET TITLE:
MORGUE
GENERAL
CALGREEN
SPREADSHEET

SHEET NUMBER:

MO-G-1.7



EL DORADO COUNTY PUBLIC SAFETY FACILITY
MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619

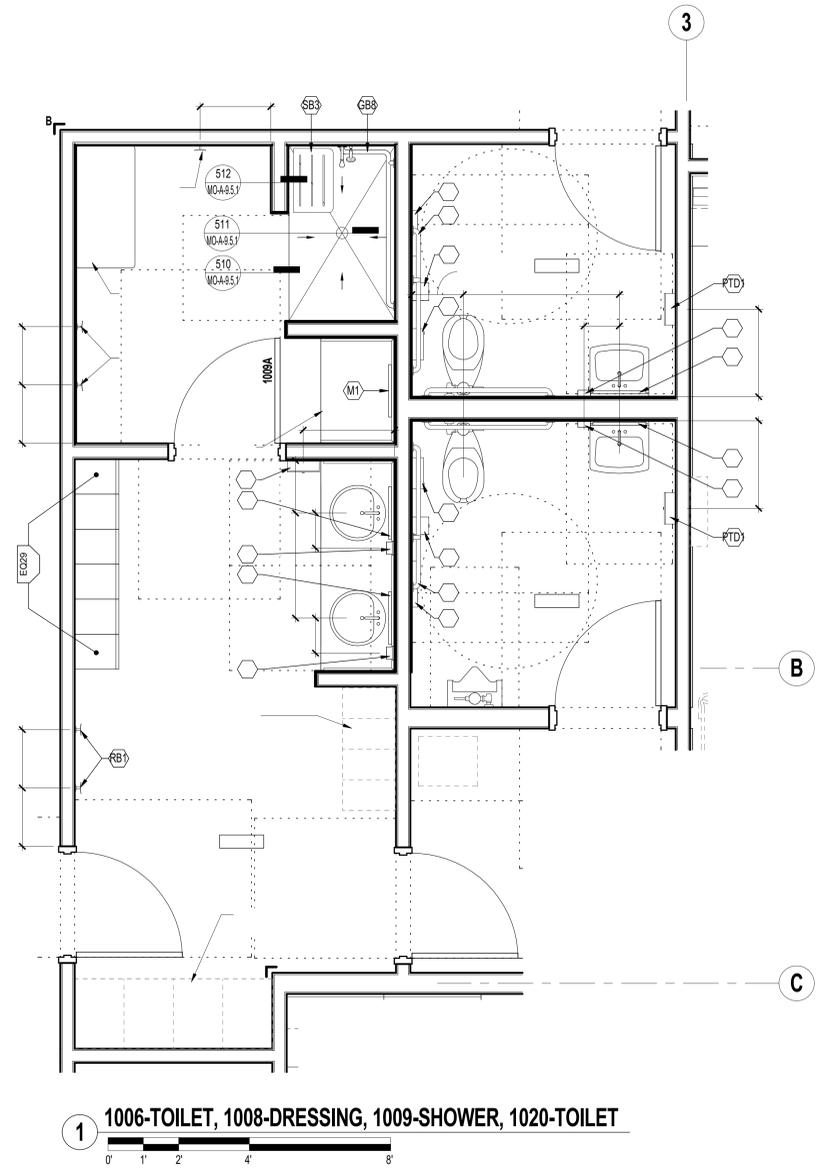


NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KS/MG
DRAWN BY: SS/RJ
APPROVED BY: MC

SHEET TITLE:
MORGUE
ARCHITECTURAL
ENLARGED PLANS

SHEET NUMBER:
MO-A-2.2



FLOOR PLAN LEGEND

- └─ A CORNER GUARD, STAINLESS STEEL
- └─ B CORNER GUARD, VINYL
- PJ PANEL JOINT

GENERAL LEGEND

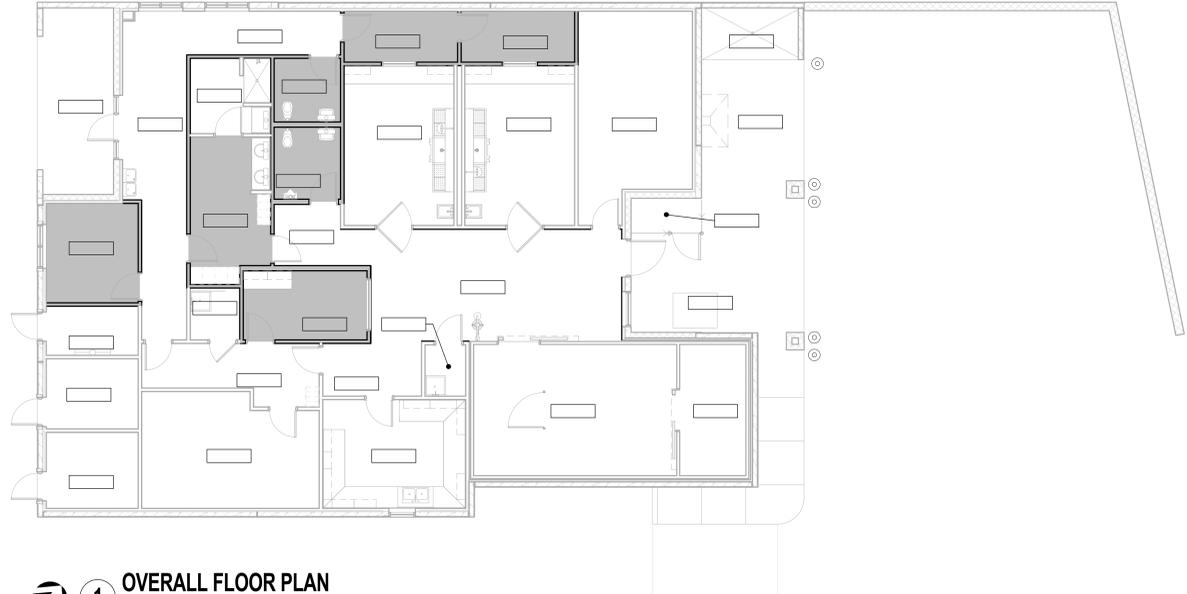
- (X) PLUMBING FIXTURES & ACCESSORIES REF. MO-G-2.1
- (PT-1) FINISH LEGEND REF. MO-A-5.4
- (MB.1-1) WALL TYPES REF. MO-A-5.1
- (EQ-001 01) EQUIPMENT REF. MO-A-5.4



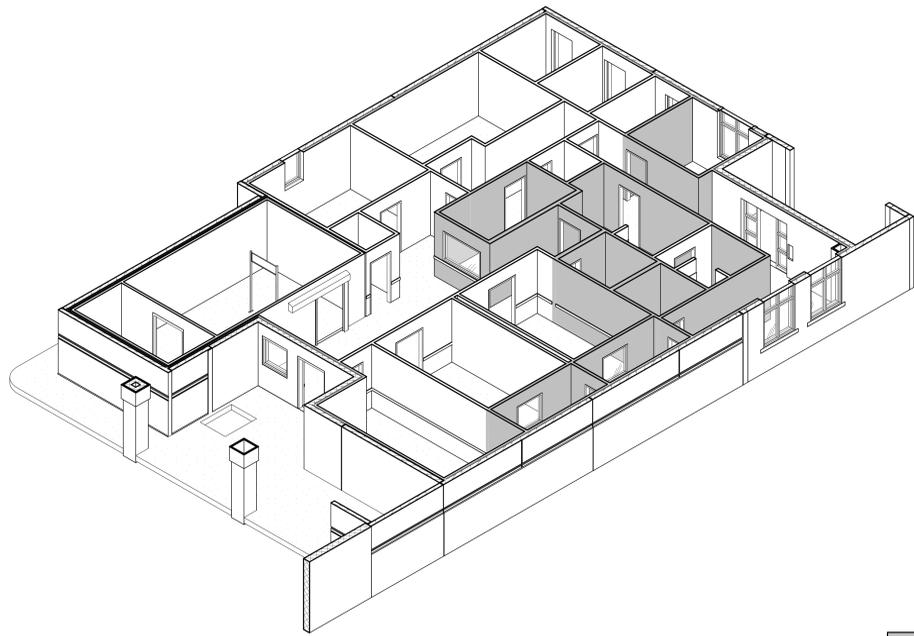
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**EL DORADO COUNTY PUBLIC SAFETY FACILITY
 MORGUE BUILDING
 240 INDUSTRIAL DRIVE
 DIAMOND SPRINGS, CA 95619**



1 OVERALL FLOOR PLAN



SHEET TITLE:

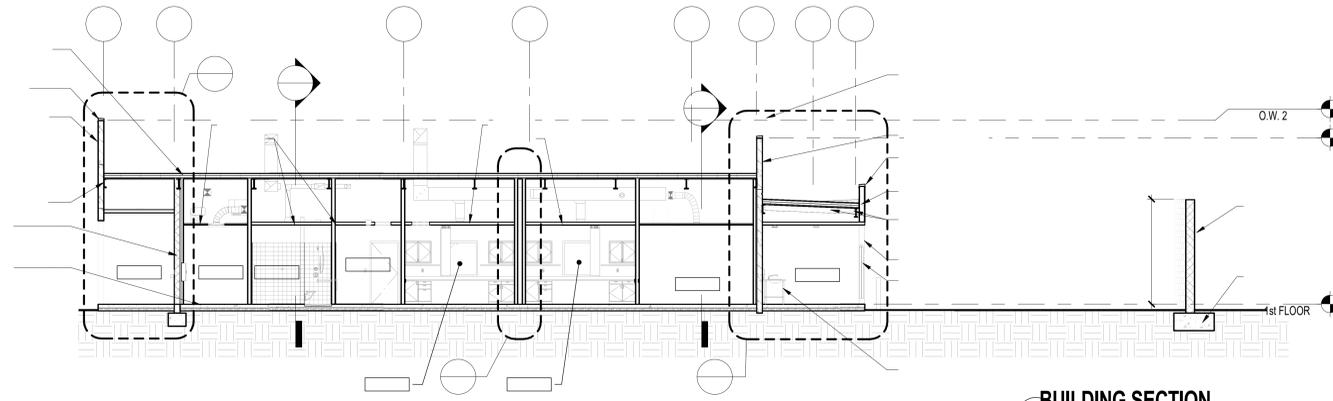
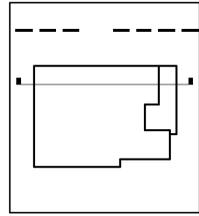
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NO.	REVISION	DATE

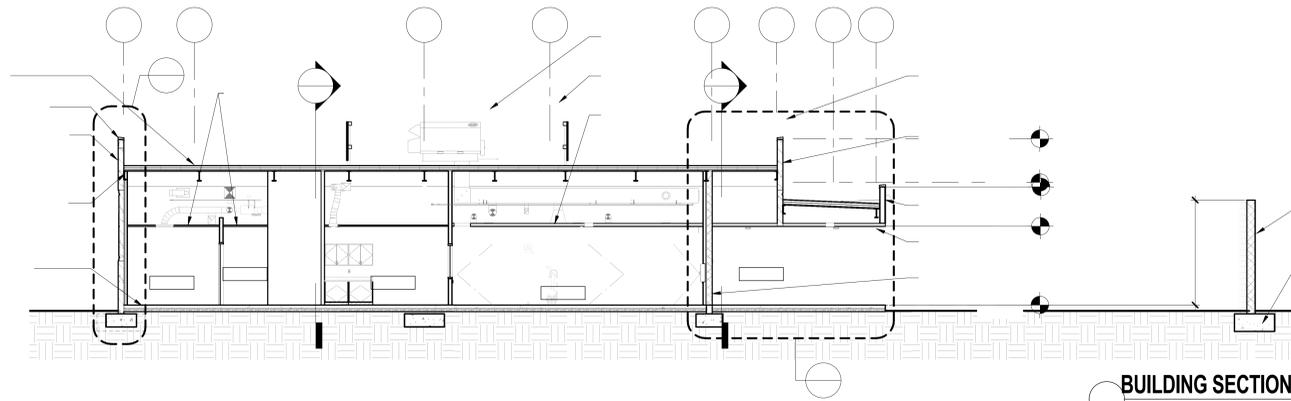
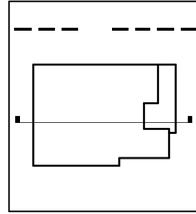
PROJECT NO.: 2017.033
 DATE: 06-18-2018
 DESIGNED BY: KS/MG
 DRAWN BY: SS/RJ
 APPROVED BY: MC

MORGUE
 ARCHITECTURAL
 WALL MATERIAL, STC
 RATINGS

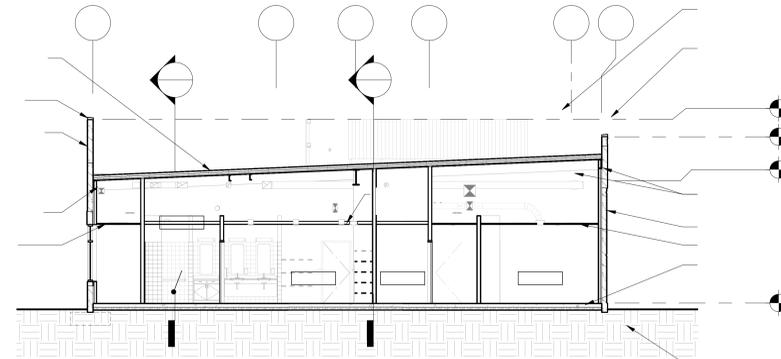
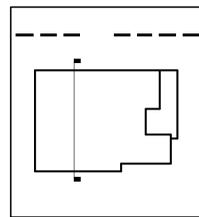
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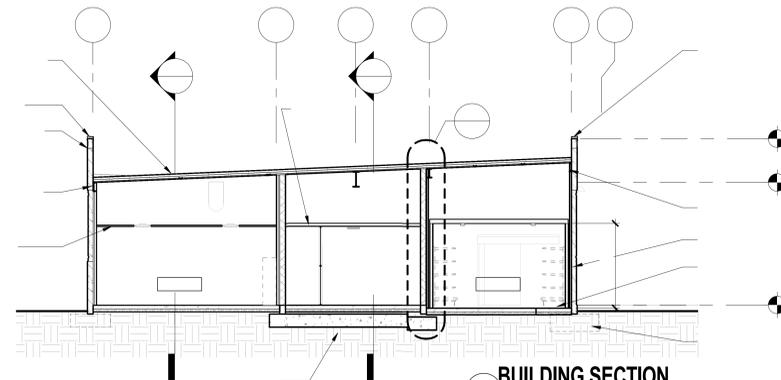
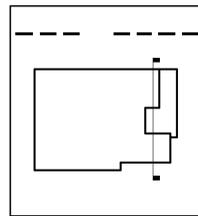
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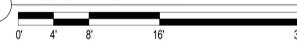
BUILDING SECTION



BUILDING SECTION



BUILDING SECTION



NO.	REVISION	DATE



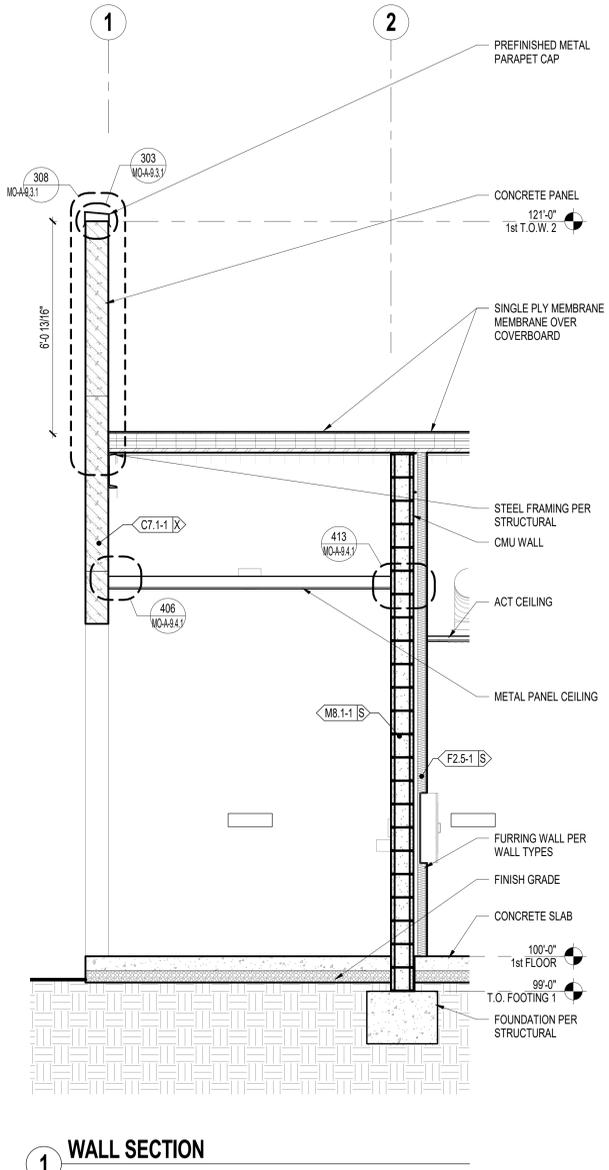
EL DORADO COUNTY PUBLIC SAFETY FACILITY
MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619



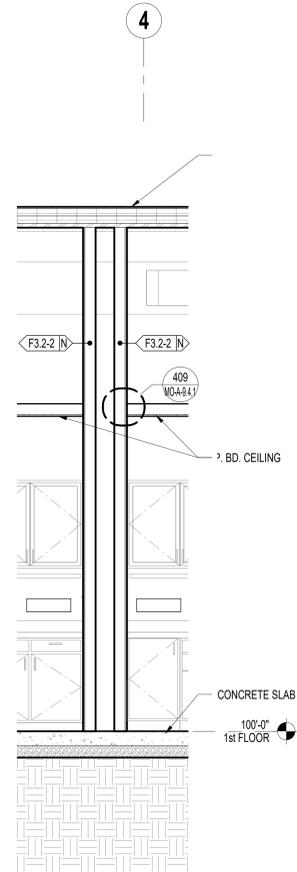
NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KS/MG
DRAWN BY: SS/RJ
APPROVED BY: MC

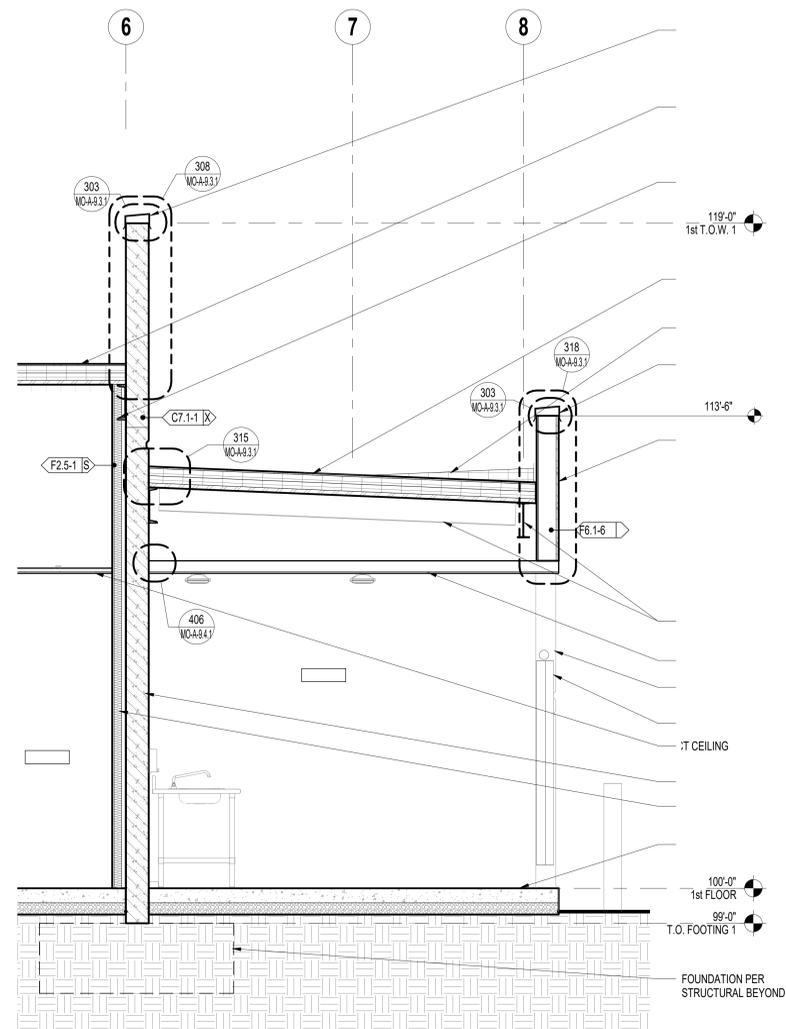
SHEET TITLE:
MORGUE
ARCHITECTURAL
WALL SECTIONS
SHEET NUMBER:
MO-A-3.2



1 WALL SECTION



2 WALL SECTION



3 WALL SECTION



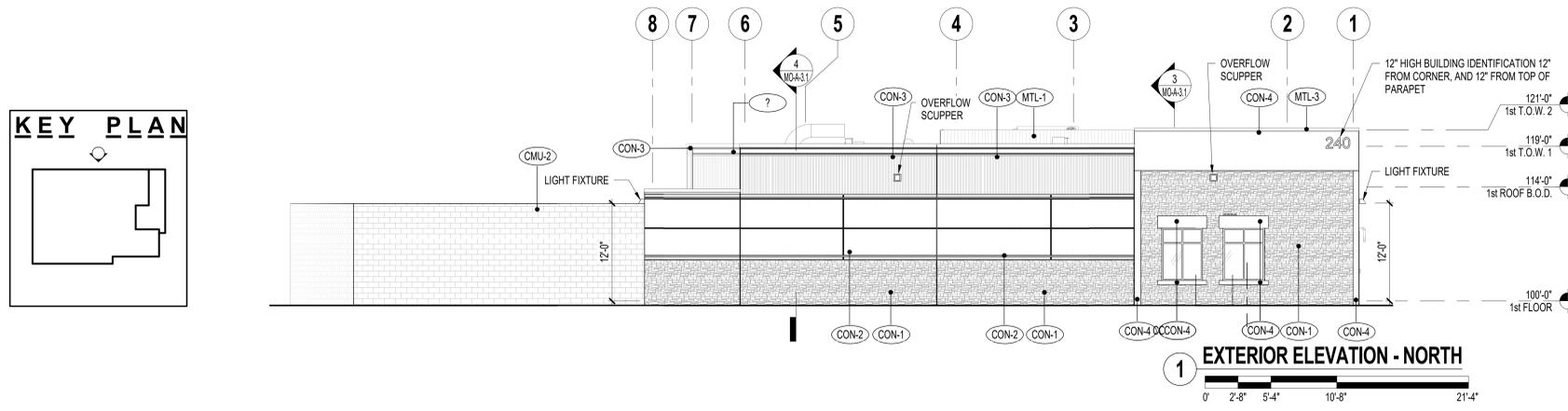
GENERAL NOTES

- A. REFERENCE DOOR AND WINDOW SCHEDULES FOR FRAME FINISHES.
- B. REFERENCE PANEL ELEVATIONS FOR ADDITIONAL MATERIAL INFORMATION ON PRE-CAST PANELS.
- C. REFERENCE CURTAIN WALL ELEVATIONS FOR FRAME FINISHES

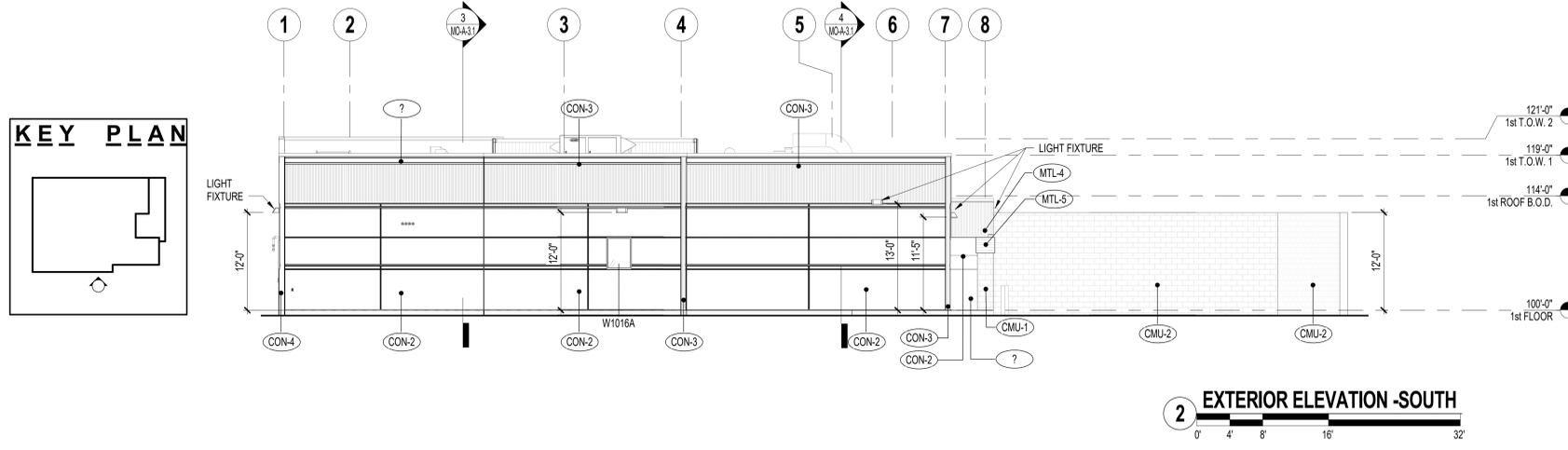
FINISH SCHEDULE - EXTERIOR			
CODE	DESCRIPTION	MANUFACTURER	PRODUCT INFO
CMU-1	8"x8"x16" CMU WALL, PAINTED COLOR 2	TBD	TBD
CMU-2	8"x8"x16" CMU WALL, PAINTED COLOR 1	TBD	TBD
CON-1	CONCRETE PANEL, LIMESTONE, ROUGH, COURSED ASHLAR COLOR 3	TBD	TBD
CON-2	CONCRETE PANEL, PAINTED COLOR 8	TBD	TBD
CON-3	CONCRETE PANEL, FORM LINER, PAINTED COLOR 8	TBD	TBD
CON-4	CONCRETE PANEL, PAINTED COLOR 2	TBD	TBD
CON-5	CONCRETE PANEL, PAINTED COLOR 9	TBD	TBD
MTL-1	VERTICLE METAL PANEL MECHANICAL SCREEN WALL COLOR 1	TBD	TBD
MTL-2	METAL PARAPET CAP, PAINTED COLOR 8	TBD	TBD
MTL-3	METAL PARAPET CAP, PAINTED COLOR 2	TBD	TBD
MTL-4	METAL WALL PANEL, FORM LINER, PAINTED COLOR 9	TBD	TBD
MTL-5	METAL PANEL 4" HORIZONTAL, FACTORY FINISH	TBD	TBD



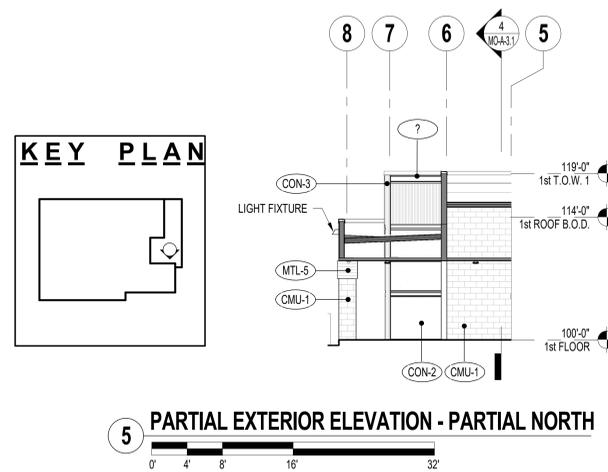
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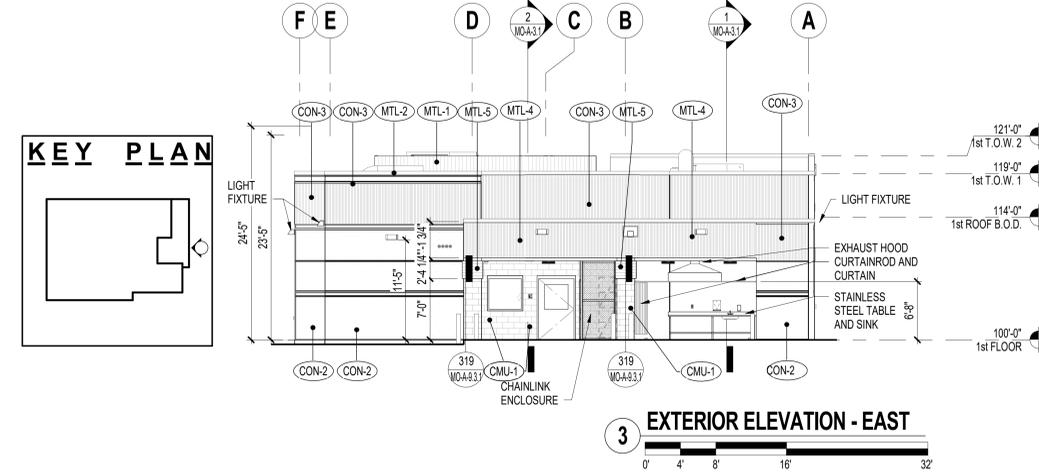
1 EXTERIOR ELEVATION - NORTH



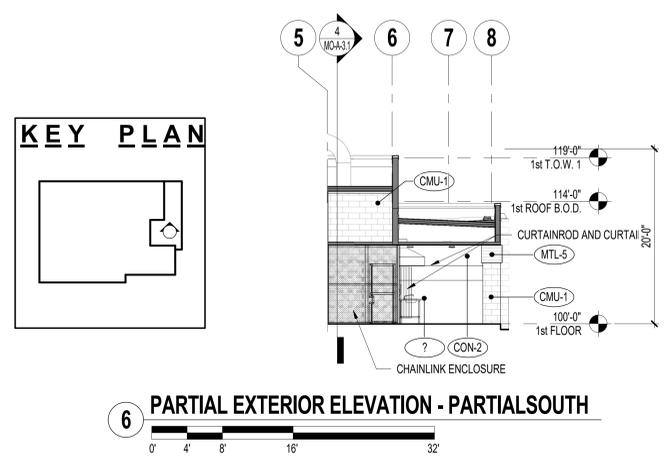
2 EXTERIOR ELEVATION - SOUTH



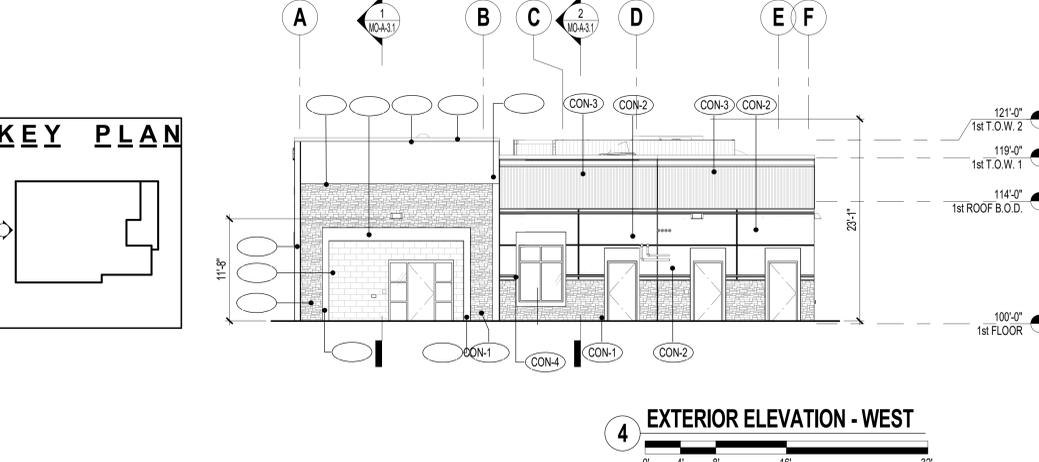
5 PARTIAL EXTERIOR ELEVATION - PARTIAL NORTH



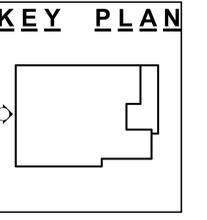
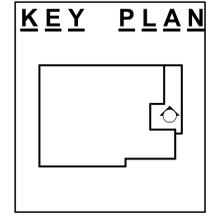
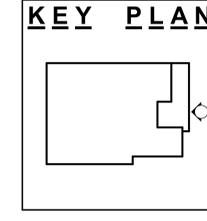
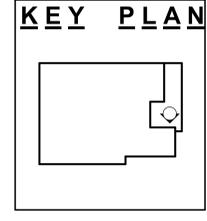
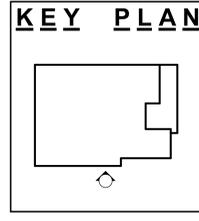
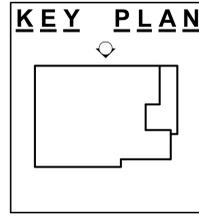
3 EXTERIOR ELEVATION - EAST



6 PARTIAL EXTERIOR ELEVATION - PARTIAL SOUTH



4 EXTERIOR ELEVATION - WEST



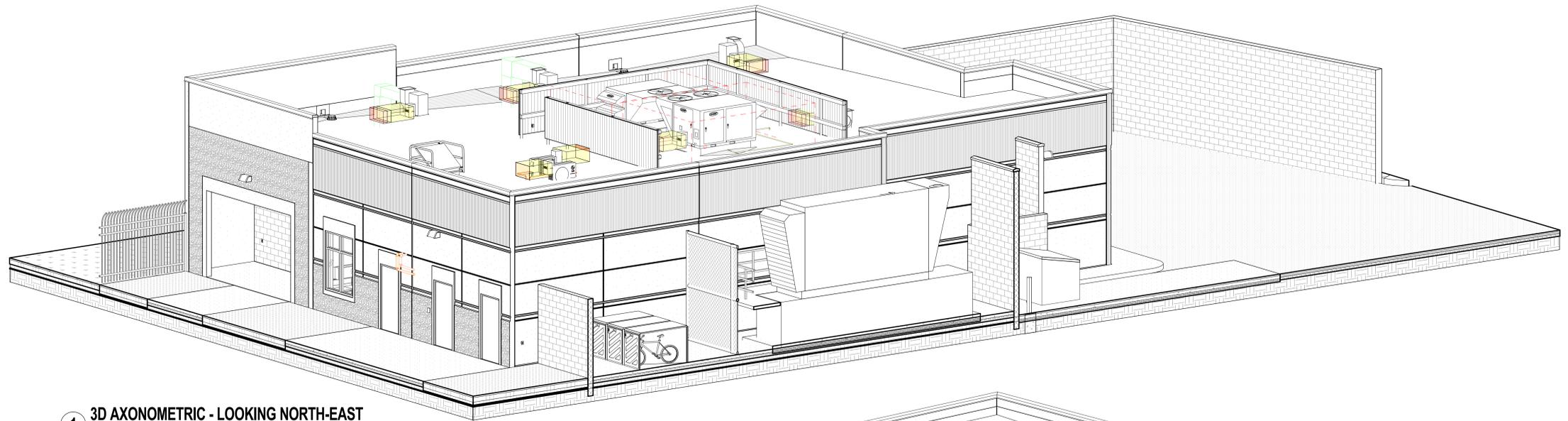
**EL DORADO COUNTY PUBLIC SAFETY FACILITY
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240 INDUSTRIAL DRIVE
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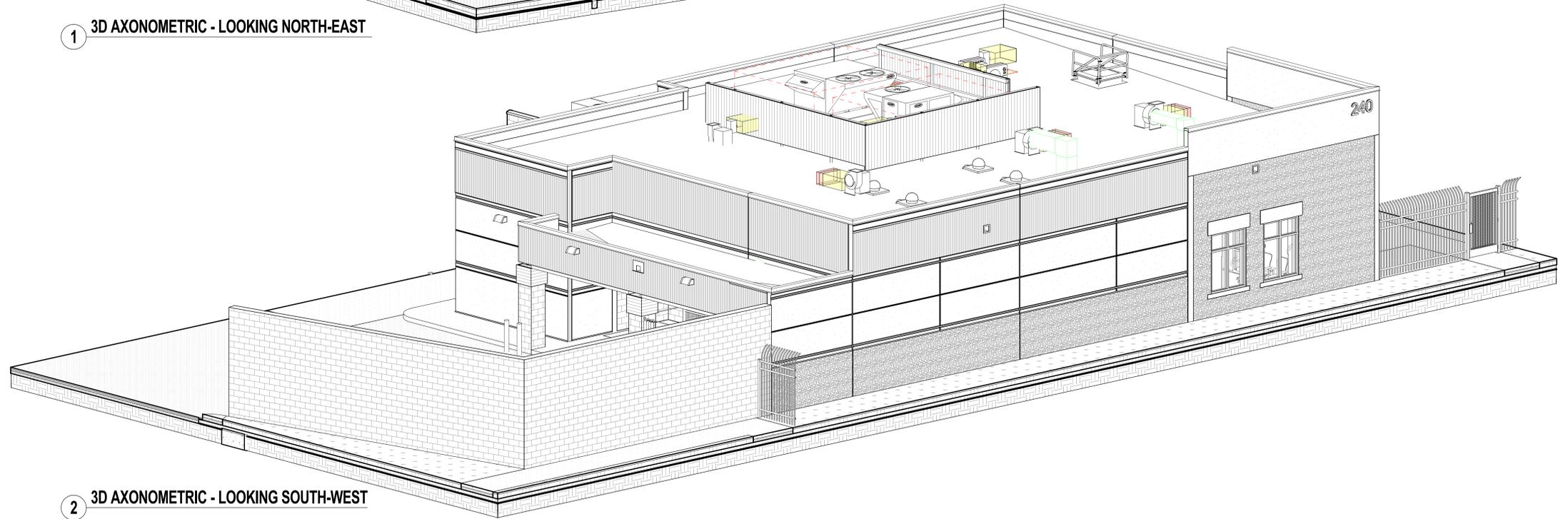
NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KSM/G
DRAWN BY: SS/RJ
APPROVED BY: MC
SHEET TITLE:
MORGUE ARCHITECTURAL EXTERIOR ELEVATIONS

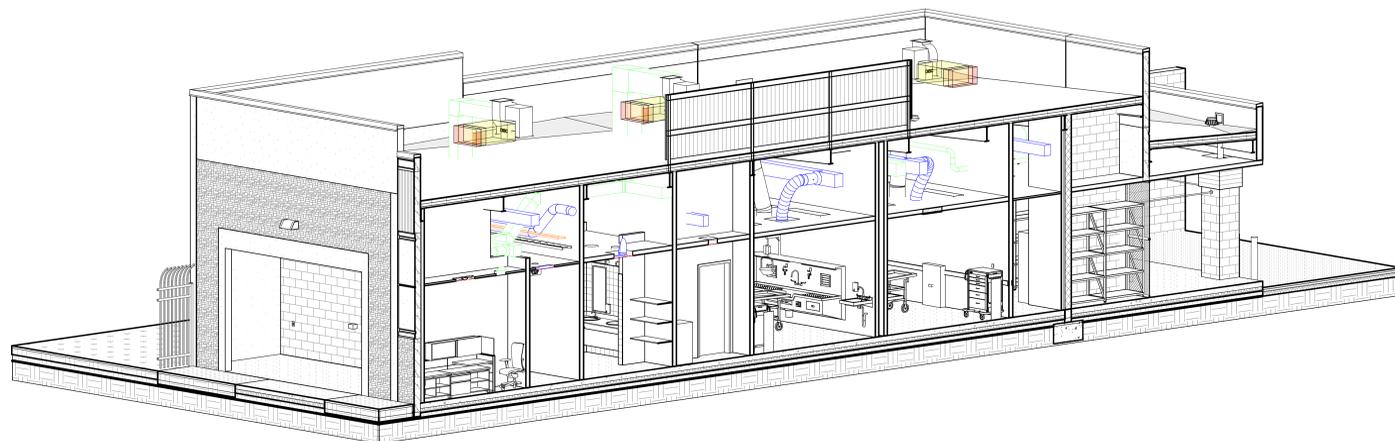
SHEET NUMBER:
MO-A-4.1



1 3D AXONOMETRIC - LOOKING NORTH-EAST



2 3D AXONOMETRIC - LOOKING SOUTH-WEST



3 3D AXONOMETRIC SECTION - LOOKING NORTH-EAST



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MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619



NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KSM/G
DRAWN BY: SSR/J
APPROVED BY: MC
SHEET TITLE:
MORGUE
ARCHITECTURAL
3D AXONOMETRIC -
OVERALL VIEWS

SHEET NUMBER:
MO-A-4.2

FINISH SCHEDULE - EXTERIOR			
CODE	DESCRIPTION	MANUFACTURER	PRODUCT INFO
CMU-1	8"x8"x16" CMU WALL, PAINTED COLOR 2	TBD	TBD
CMU-2	8"x8"x16" CMU WALL, PAINTED COLOR 1	TBD	TBD
CON-1	CONCRETE PANEL, LIMESTONE, ROUGH, COURSED ASHLAR COLOR 3	TBD	TBD
CON-2	CONCRETE PANEL, PAINTED COLOR 8	TBD	TBD
CON-3	CONCRETE PANEL, FORM LINER, PAINTED COLOR 8	TBD	TBD
CON-4	CONCRETE PANEL, PAINTED COLOR 2	TBD	TBD
CON-5	CONCRETE PANEL, PAINTED COLOR 9	TBD	TBD
MTL-1	VERTICLE METAL PANEL MECHANICAL SCREEN WALL COLOR 1	TBD	TBD
MTL-2	METAL PARAPET CAP, PAINTED COLOR 8	TBD	TBD
MTL-3	METAL PARAPET CAP, PAINTED COLOR 2	TBD	TBD
MTL-4	METAL WALL PANEL, FORM LINER, PAINTED COLOR 9	TBD	TBD
MTL-5	METAL PANEL 4" HORIZONTAL, FACTORY FINISH	TBD	TBD



C/S BROWARD builders

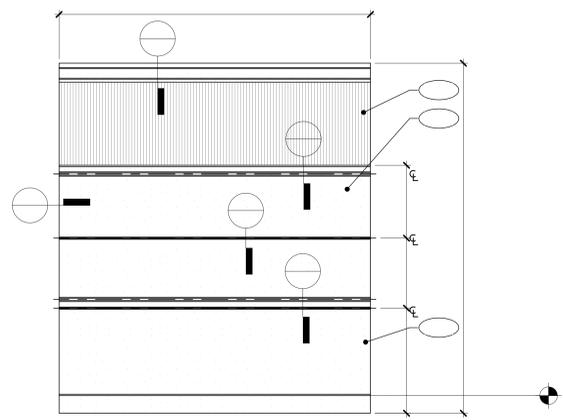


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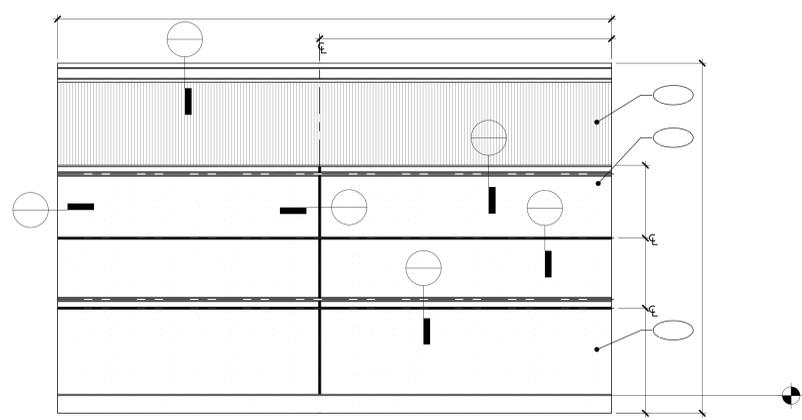
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GENERAL NOTES

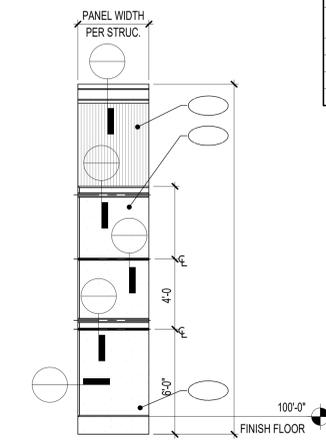
ENINGS. REFER TO STRUCTURAL SHEET (MO -S4.1) FOR PANEL SIZE AND STRUCTURAL INFORMATION.



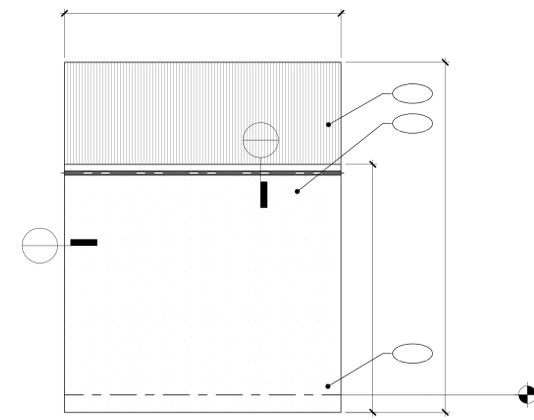
PANEL TYPE "N" ELEVATION



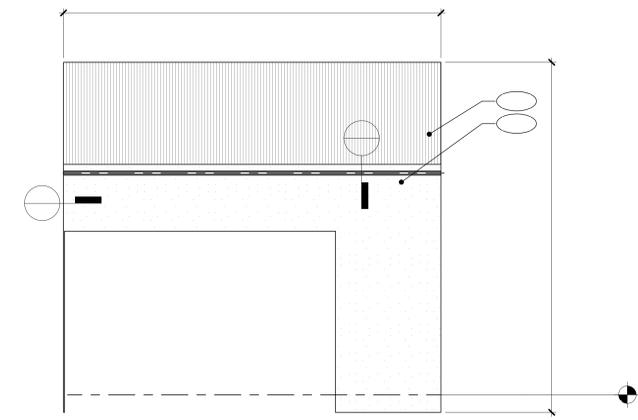
PANEL TYPE "M" ELEVATION



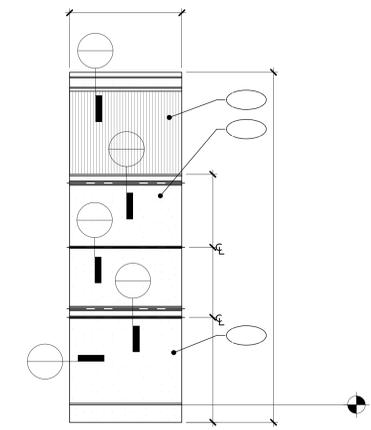
PANEL TYPE "L" ELEVATION



PANEL TYPE "R" ELEVATION



PANEL TYPE "Q" ELEVATION



PANEL TYPE "P" ELEVATION



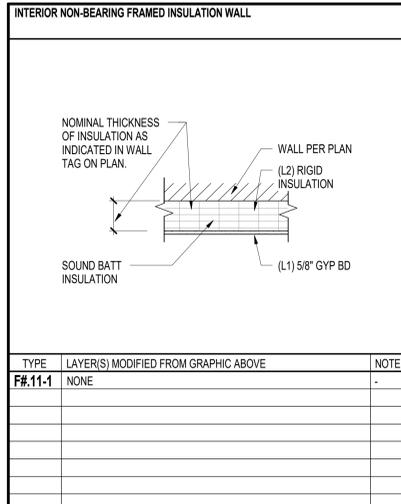
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MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619**



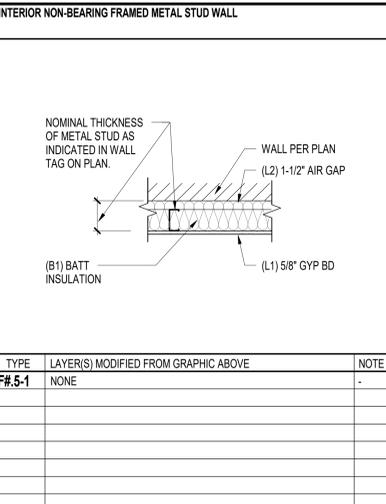
NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KS/MG
DRAWN BY: SS/RJ
APPROVED BY: MC
SHEET TITLE:
MORGUE ARCHITECTURAL PANEL ELEVATIONS

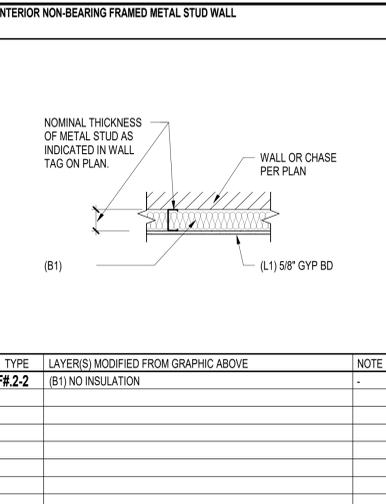
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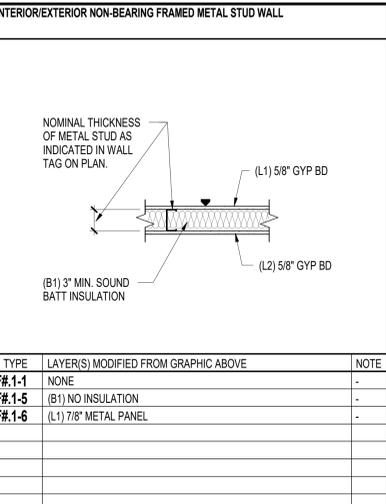
TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
F#-1-1	NONE		NR	0		



TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
F#-5-1	NONE		NR	0		



TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
F#-2-2	(B1) NO INSULATION		NR	0		



TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
F#-1-1	NONE		NR	45		
F#-1-5	(B1) NO INSULATION		NR	0		
F#-1-6	(L1) 7/8\"/>					

WALL TYPE GRAPHICS NOTES:

- MASONRY CMU TYPES HAVE PATTERN AND/OR TEXTURE CHANGES, REFER TO ELEVATIONS.
- CONCRETE PANELS HAVE PATTERN AND/OR TEXTURE CHANGES, REFER TO PANEL ELEVATIONS.

WALL TYPE GRAPHICS LEGEND

▼ INDICATES SIDE OF WALL WITH SPECIAL CONDITION, REFER TO FLOOR PLANS FOR ROOM SIDE THAT SPECIAL CONDITION IS TO BE LOCATED ON.

FIRE-RATED WALLS:
 NR = NOT RATED
 1-HR = ONE HOUR RATED
 2-HR = TWO HOUR RATED
 U### = UNDERWRITERS LABORATORIES (UL) LISTING FOR TESTED ASSEMBLY

STC-RATED WALLS:
 STC = SOUND TRANSMISSION COEFFICIENT
 GA = GYPSUM ASSOCIATION
 WP### = GYPSUM ASSOCIATION FILE NUMBER

WALL TYPE TAG LEGEND

X#-##-# VARIATION NUMBER: 1, 2, 3...
 SEQUENCE NUMBER: 1, 2, 3...
 NOMINAL THICKNESS OF PRIMARY WALL STRUCTURE: NEAREST 1 INCH INCREMENT OF CORE WALL TYPE.

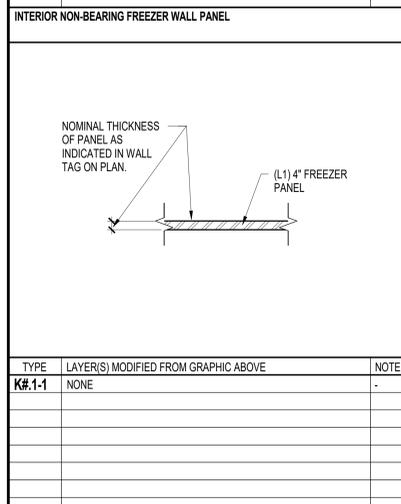
WALL TYPE:
 M = MASONRY
 F = FRAME WALL (METAL OR WOOD)
 C = CONCRETE
 P = METAL BUILDING PANEL
 K = FREEZER PANEL

WALL TYPE NOMINAL THICKNESS LEGEND

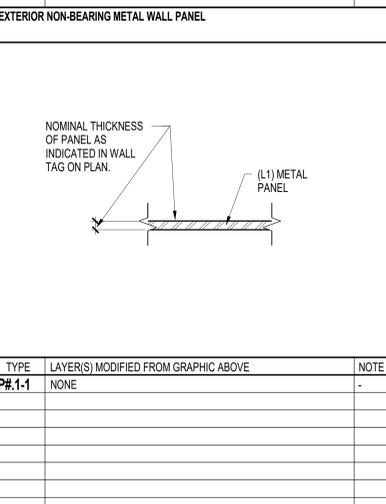
MASONRY WALL	FRAME WALL	CONCRETE WALL	METAL BUILDING PANEL
M4 = 3-5/8"	F1 = 1-5/8"	C4 = 4"	P0 = 7/8"
M6 = 5-5/8"	F2 = 2-1/2"	C7 = 7-3/4"	P1 = 1-1/2"
M8 = 7-5/8"	F3 = 3-5/8"	C8 = 8"	P2 = 2"
M12 = 11-5/8"	F4 = 4"	C9 = 9"	P6 = 6"
	F5 = 6"	C12 = 12"	P8 = 8"
	F8 = 8"	C14 = 14"	P10 = 10"
FREEZER PANEL:	F10 = 10"		
	F4 = 4"	F12 = 12"	

GENERAL NOTES (WALL TYPE GRAPHICS):

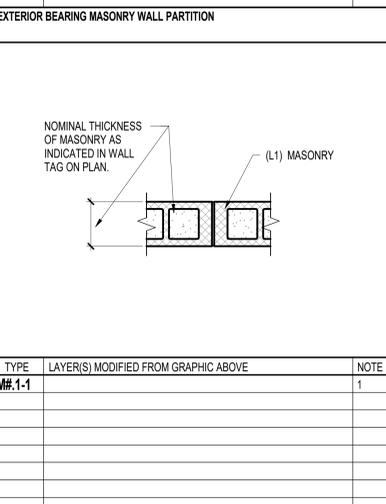
- PROVIDE VERTICAL AND HORIZONTAL CONTROL JOINTS IN GYPSUM BOARD SURFACES AT 30'-0" ON CENTER MAXIMUM, UNLESS NOTED OTHERWISE. LOCATE CONTROL JOINTS AT TOP CORNERS OF DOORS OR OPENINGS TO THE GREATEST EXTENT POSSIBLE.
- IF GYPSUM BOARD IS ONE SIDE ONLY, PROVIDE HORIZONTAL BRACING AT 5'-0" ON CENTER VERTICALLY.
- PROVIDE WATER (MOISTURE) RESISTANT GYPSUM BOARD AT ALL TOILET ROOM PARTITIONS AND AT ALL PARTITIONS WHERE PLUMBING FIXTURES ARE MOUNTED, UNLESS NOTED OTHERWISE.
- PROVIDE SOLID FIRE-RETARDANT TREATED WOOD BLOCKING WITHIN STUD PARTITIONS AT WALL HUNG FIXTURES, EQUIPMENT, WALL MOUNTED ARCHITECTURAL WOODWORK, FINISH CARPENTRY, FURNITURE, ACCESSORIES, DOOR BUMPERS, ETC., UNLESS NOTED OTHERWISE.
- ALL LIGHT GAUGE METAL FRAMING STUDS SHALL BE MINIMUM 20 GAUGE WITH A MAXIMUM SPACING AT 16" ON CENTER, UNLESS OTHERWISE NOTED OR REQUIRED DIFFERENTLY FOR SPAN AND HEIGHT REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR USING THE MINIMUM SIZE, GAUGE AND SPACING REQUIRED FOR ALL LIGHT GAUGE FRAMING. NOTIFY THE CONTRACTING OFFICER WHERE DISCREPANCIES OCCUR. REFER TO SPAN TABLES CHART FOR CONDITIONS NOT DESCRIBED IN THE DETAILS OR NOTES. HEIGHT LIMITATIONS ARE BASED UPON 5 PSF SURFACE LOAD, L/240 DEFLECTION LIMIT, AND UNBRACED LENGTHS.
- PROVIDE MINIMUM 20-GAUGE DOUBLE STUD FRAMING AT DOOR AND OPENING JAMBS SHALL CONTINUE TO UNDERSIDE OF DECK ABOVE OR TOP OF PARTITION.
- PROVIDE 3" DEEP LEGS AT ALL TOP OF PARTITIONS.
- SCREW ATTACH OR WELD TRACK LEG AT BOTTOM OF PARTITION TO EACH STUD.
- ADD ACOUSTICAL SOUND ATTENUATION BLANKETS TO STUD CAVITY WHERE SHOWN ON PLAN OR WHERE SPECIFICALLY SHOWN IN THE PARTITION TYPE DETAIL.
- PROVIDE 3" ACOUSTICAL SOUND ATTENUATION BLANKETS IN STUD CAVITY OF PLUMBING PARTITIONS.
- AT ALL PARTITIONS SHOWN WITH AN STC RATING OR NIC RATING, SEAL ALL PENETRATIONS AND PERIMETERS OF PARTITION WITH ACOUSTICAL SEALANT.
- FOR CONCRETE MASONRY PARTITIONS, REINFORCING IF SHOWN IS MINIMUM REQUIRED FOR NON-LOAD BEARING PARTITIONS. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AND FOR LOAD BEARING PARTITION REINFORCING.
- ALL GYPSUM BOARD PARTITIONS SHALL BE TAPED AND SANDED SMOOTH WITH NO VISIBLE JOINTS. PROVIDE GALVANIZED METAL CORNER BEADS AND SIMILAR CONCEALED TRIM AT ALL EXPOSED EDGES. USE EXPOSED ONLY AS APPROVED BY CONTRACTING OFFICER.
- REFER TO STRUCTURAL FOR REINFORCEMENT LOCATIONS / SPACING.
- REFER TO SHEET A-## FOR SPAN TABLE.
- "WRAPPED ENDS" REFERS TO WRAPPING ENDS OF PROTRUDING WALLS.
- WHERE AN AIR GAP OCCURS AT FURRED OUT WALLS, PROVIDE 18 GA. FURRING CLIPS @ 16" O.C. ATTACHED WITH .157" DIA. HILTI X-U SHOTPIPS (ICC-ES REPORT ESR-2269) WITH 1" EMBEDMENT.



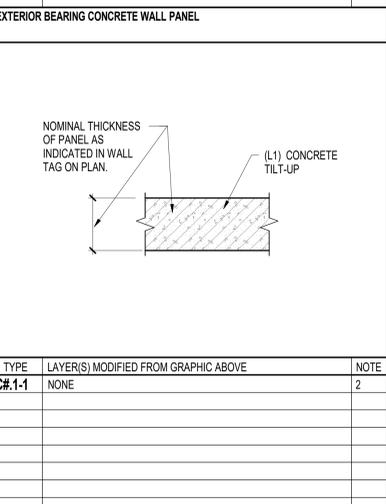
TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
K#-1-1	NONE		NR	0		



TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
P#-1-1	NONE		NR	0		



TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
M#-1-1			NR	0		

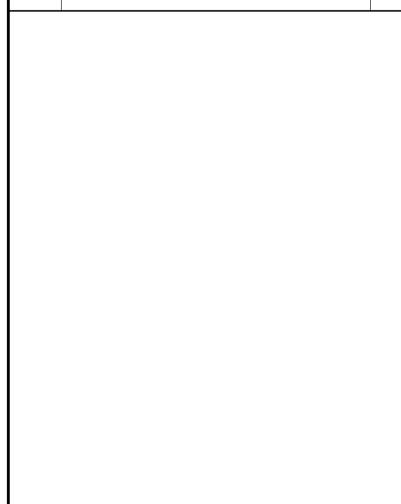


TYPE	LAYER(S) MODIFIED FROM GRAPHIC ABOVE	NOTE	FIRE RATING (MINUTES)	UL ASSEMBLY (UL ASSEMBLY NO.)	STC RATING (STC NO.)	LEVEL (LEVEL)
C#-1-1	NONE		NR	0		

WALL TO BOTTOM OF STRUCTURE

TYPE 'V' CORRIDOR WALLS: STUFF VOIDS WITH MINERAL WOOL AND COVER WITH FLEXIBLE FIRESTOP SEALANT

ALL CORRIDOR WALLS SHALL BE BUILT TO WITHIN 1" ON ALL SIDES OF PENETRATING STRUCTURAL MEMBERS



LEGEND - SPAN TABLES

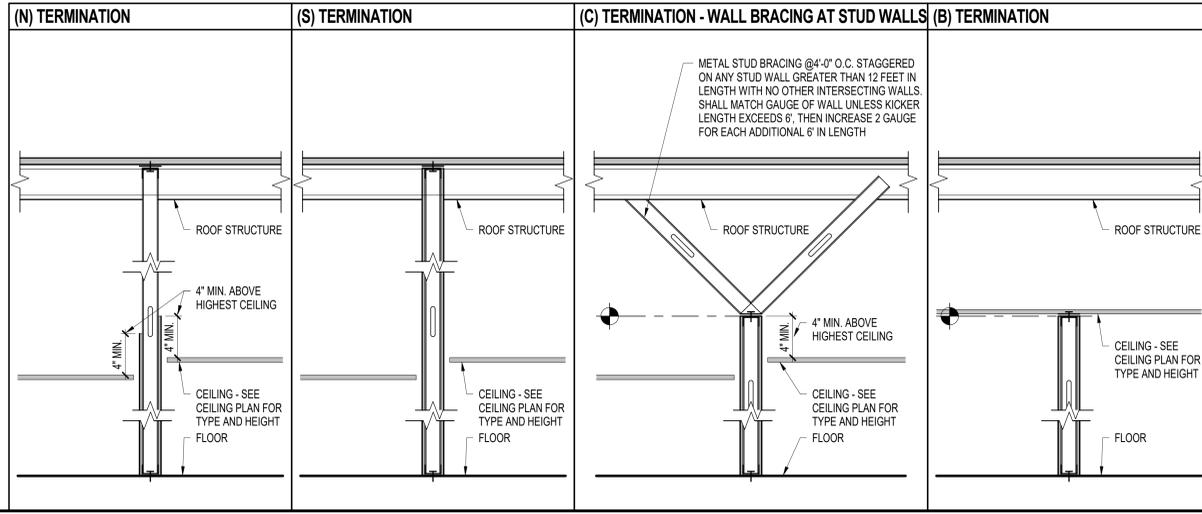
A. INTERIOR WALL HEIGHTS - COMPOSITE

SECTION	F _y (KSI)	SPACING IN O.C.	PARTITION HEIGHT			
			5 PSF		7.5 PSF	
			L/240	L/360	L/240	L/360
250S125-33 (2-1/2", 20GA)	33	16	14'-3"	12'-5"	12'-5"	10'-10"
			24	12'-5"	10'-10"	9'-5"
350S125-33 (3-1/2", 20GA)	33	16	16'-7"	14'-6"	14'-6"	12'-8"
			24	14'-6"	12'-8"	10'-10"
362S125-33 (3-5/8", 20GA)	33	16	17'-5"	15'-3"	15'-3"	13'-4"
			24	15'-3"	13'-4"	11'-4"
400S125-33 (4", 20GA)	33	16	18'-3"	15'-11"	15'-11"	13'-11"
			24	15'-11"	13'-11"	12'-0"
600S125-33 (6", 20GA)	33	16	25'-6"	22'-3"	22'-3"	19'-5"
			24	22'-3"	19'-5"	16'-11"

FROM THE SSMA "PRODUCT TECHNICAL GUIDE"
 1. ALLOWABLE COMPOSITE LIMITING HEIGHTS ARE CALCULATED USING ICC-ES AC08-2012.
 2. NO FASTENERS ARE REQUIRED FOR ATTACHING THE STUD TO THE TRACK.
 3. STUD END BEARING MUST BE A MINIMUM OF 1 INCH.
 4. COMPOSITE LIMITING HEIGHTS ARE BASED ON A SINGLE LAYER OF 5/8" TYPE X GYPSUM BOARD INSTALLED IN THE VERTICAL ORIENTATION TO BOTH SIDES OF THE WALL OVER FULL HEIGHT USING MINIMUM NO. 6 TYPE S DRYWALL SCREWS SPACED A MAXIMUM OF 12" O.C. FOR STUDS AT 24" SPACING, AND 16" O.C. FOR STUDS AT 16" SPACING.
 5. MAXIMUM ALLOWABLE DEFLECTION AS FOLLOWS:
 A. WALLS RECEIVING GYPSUM WALL BOARD FINISHES: L/240.
 B. WALLS RECEIVING PLASTER AND BRITTLE FINISHES, INCLUDING STUCCO, STONE MASONRY, AND MIRRORS: L/360
 C. WALLS RECEIVING CERAMIC AND STONE TILE FINISHES: L/360.
 D. LATERAL BRACING SHALL BE IN ACCORDANCE WITH SSMA GUIDELINES.

B. CEILING JOIST TABLE: VALUES BASED ON SIMPLE SPAN CONDITIONS.

SECTION	JOIST SPACING	ALLOWABLE SPAN - L/240				ALLOWABLE SPAN - L/360			
		4 PSF		6 PSF		4 PSF		6 PSF	
		UNSUPPORTED	SUPPORTED	UNSUPPORTED	SUPPORTED	UNSUPPORTED	SUPPORTED	UNSUPPORTED	SUPPORTED
350S125-33 (3-1/2", 20 GA)	16"	10'-5"	14'-9"	9'-4"	13'-2"	10'-5"	14'-8"	9'-4"	12'-10"
362S125-33 (3-5/8", 20 GA)	16"	10'-7"	14'-10"	9'-5"	13'-3"	10'-7"	14'-10"	9'-5"	13'-2"
400S125-33 (4", 20 GA)	16"	10'-10"	15'-3"	9'-8"	13'-8"	10'-10"	15'-3"	9'-8"	13'-8"
600S125-33 (6", 20 GA)	16"	12'-3"	17'-7"	11'-0"	15'-10"	12'-3"	17'-7"	11'-0"	15'-10"
600S137-33 (6", 20 GA)	16"	13'-9"	19'-10"	12'-5"	17'-10"	13'-9"	19'-10"	12'-5"	17'-10"



WALL TAG UPPER TERMINATION LEGEND

X UPPER TERMINATION OF WALL:

B = TO BOTTOM OF CEILING: WALL EXTENDS TO UNDERSIDE OF CEILING. TERMINATE WITH "J" MOULD AT GYPSUM BOARD WALLS.

C = ABOVE HIGHEST CEILING: WALLS WILL TERMINATE AT A MINIMUM OF 4" ABOVE HIGHEST ADJOINING CEILING UNLESS NOTED OTHERWISE ON PLAN. TERMINATE 1 FULL COURSE ABOVE AT MASONRY WALLS.

J = JUST ONE SIDE TO BOTTOM OF STRUCTURE: WALL WILL TERMINATE TO BOTTOM OF ROOF DECK ONE SIDE & THE OTHER SIDE SHALL TERMINATE AT A MINIMUM OF 4" ABOVE HIGHEST ADJOINING CEILING UNLESS NOTED OTHERWISE ON PLAN. TERMINATE 1 FULL COURSE ABOVE AT MASONRY WALLS.

N = NO SIDES TO BOTTOM OF STRUCTURE: WALLS WILL TERMINATE AT A MINIMUM OF 4" ABOVE HIGHEST ADJOINING CEILING UNLESS NOTED OTHERWISE ON PLAN. TERMINATE 1 FULL COURSE ABOVE AT MASONRY WALLS.

P = PARTIAL HEIGHT WALL, REFER TO PLANS:

S = TO BOTTOM OF STRUCTURE: WALLS WILL TERMINATE TO BOTTOM OF ROOF DECK.

V = TO BOTTOM OF STRUCTURE AND VAPOR TIGHT / SMOKE SEAL: WALLS WILL TERMINATE TO BOTTOM OF ROOF DECK WITH CONTINUOUS SEALANT JOINT.

F = TO BOTTOM OF STRUCTURE AND FIRE-RATED JOINT CONDITION: WALLS WILL TERMINATE TO BOTTOM OF ROOF DECK AND BE SEALED WITH MINERAL WOOL AND FIRESTOP JOINT SEALANT. REFER TO TOP OF WALL DETAILS.

X = SPECIAL CONDITION; REFER TO BUILDING AND WALL SECTIONS:

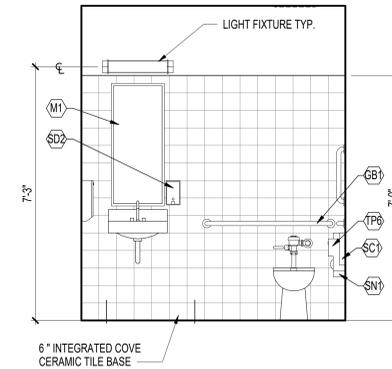
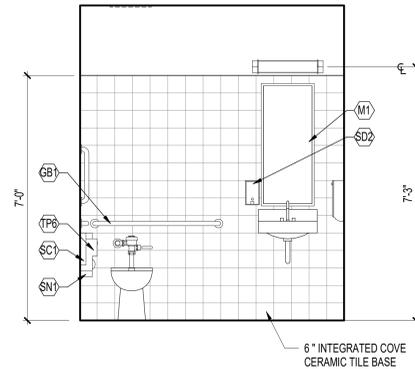
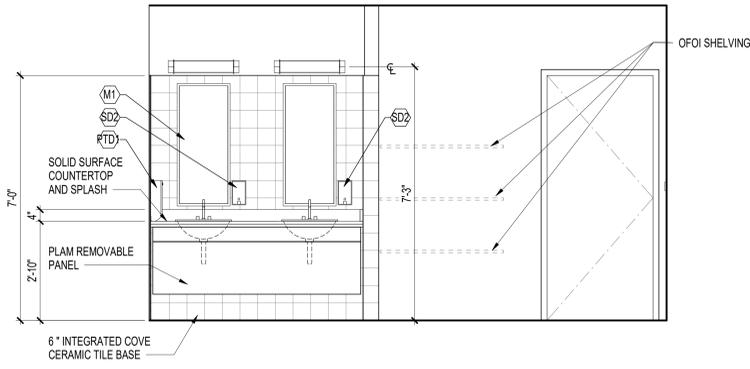


EL DORADO COUNTY PUBLIC SAFETY FACILITY
 MORGUE BUILDING
 240 INDUSTRIAL DRIVE
 DIAMOND SPRINGS, CA 95619

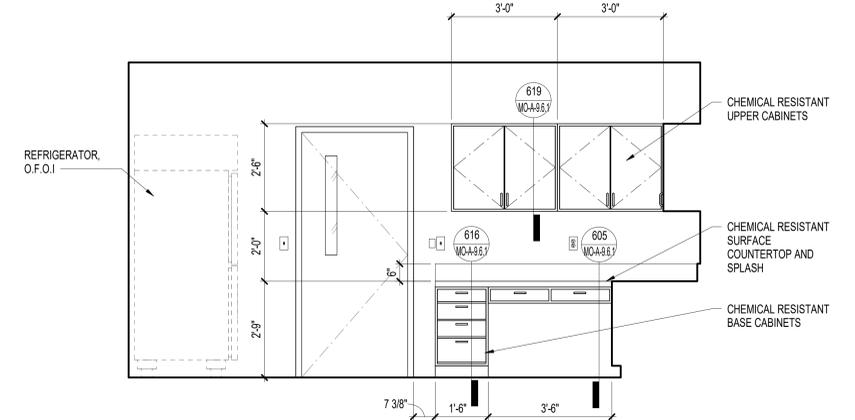
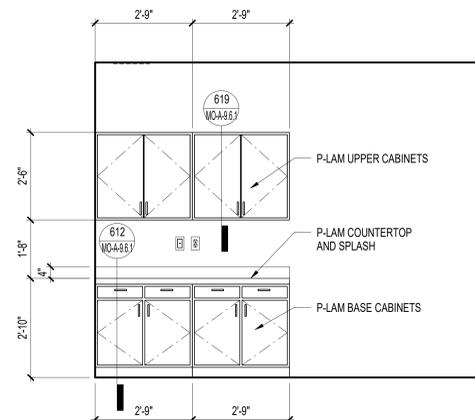
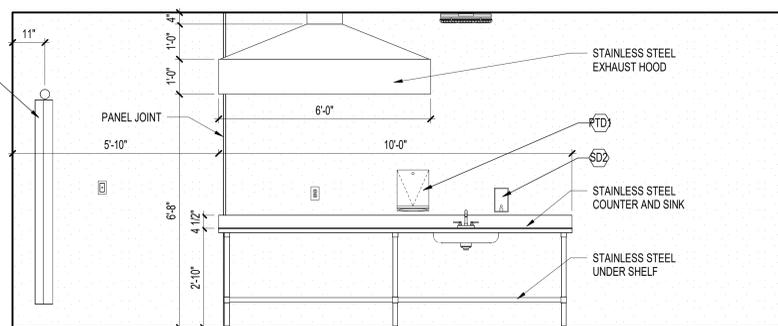
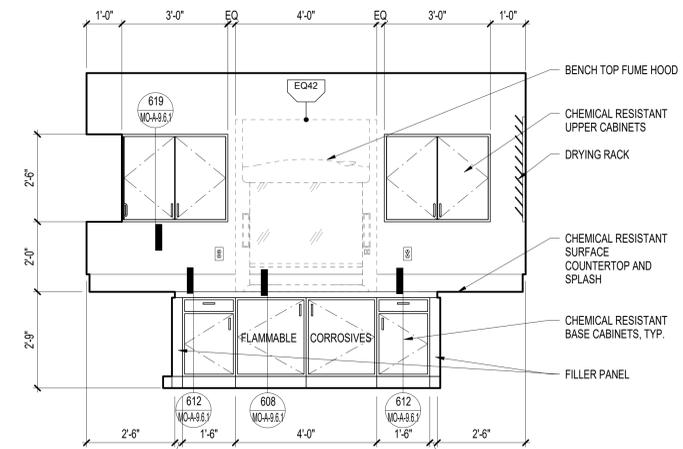
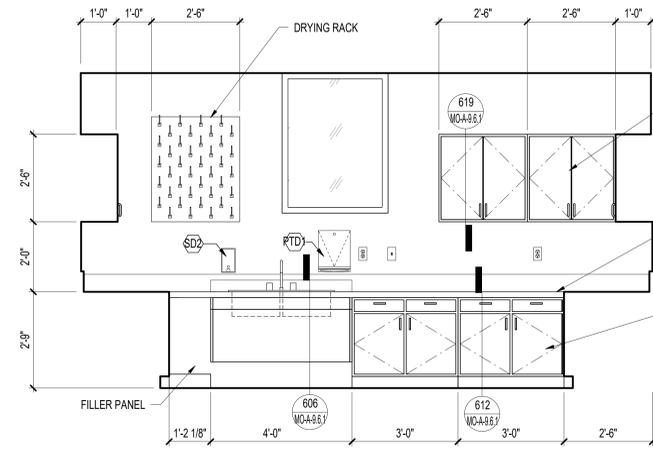
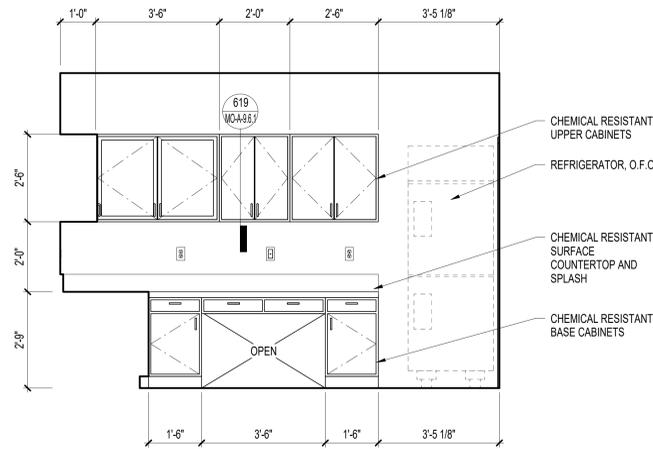
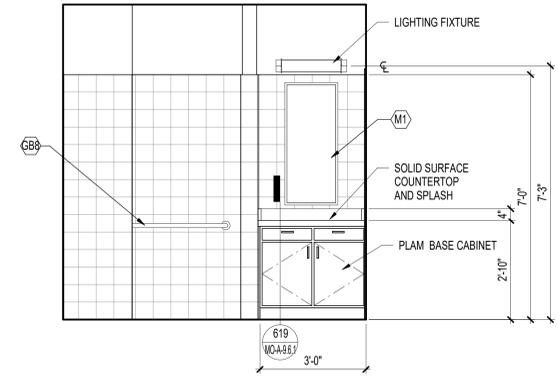
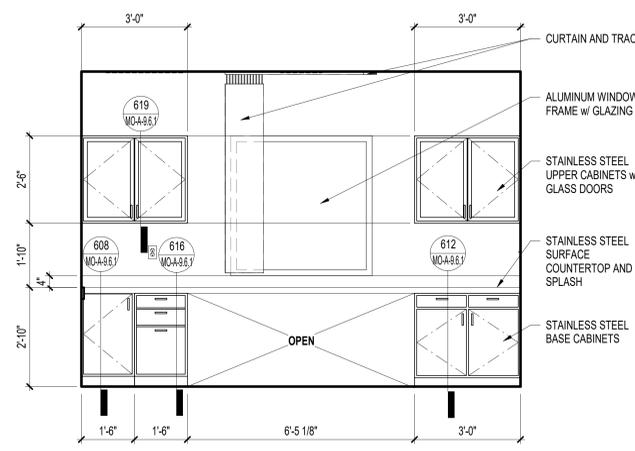
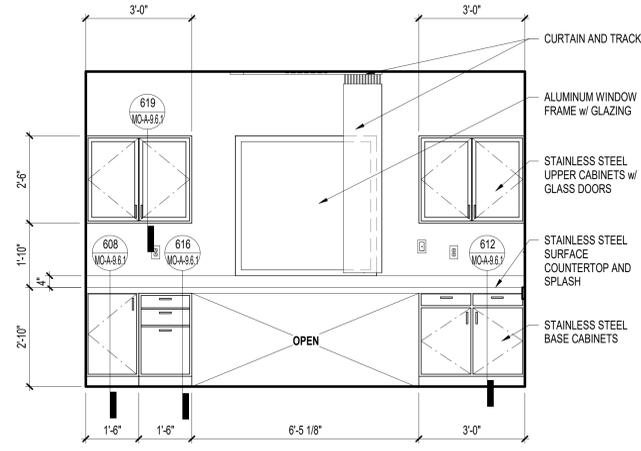


NO.	REVISION	DATE

PROJECT NO.: 2017.033
 DATE: 06-18-2018
 DESIGNED BY: KSM/GM
 DRAWN BY: SRS/RJL
 APPROVED BY: MC
 SHEET TITLE: MORGUE ARCHITECTURAL WALL TYPES, WALL TYPES SCHEDULE & SPAN TABLES
 SHEET NUMBER: MO-A5-1
 18-0936 B 22 of 36



FIXTURE TAG LEGEND	
TYPE	DESCRIPTION
DB5	DETECTABLE WARNING BAR: DRINKING FOUNTAIN BI-LEVEL
GB1	GRAB BAR: ACCESSIBLE TOILET
GB8	GRAB BAR: (ACCESSIBLE SHOWER 36"x36") 'L' SHAPED
M1	MIRROR: FRAMED (18" WIDE x 48" HIGH)
MR1	MOP AND BROOM RACK
PTD1	PAPER TOWEL DISPENSER: SURFACE MOUNT
RB1	ROBE HOOK, DOUBLE
SB3	SHOWER BENCH: (ACCESSIBLE SHOWER 36"x60") WALL MOUNT FOLDING
SC1	TOILET SEAT COVER DISPENSER: SURFACE MOUNTED
SCR1	SHOWER CURTAIN / ROD
SD2	SOAP DISPENSER: WALL MOUNT, SURFACE
SN1	TOILET SANITARY NAPKIN DISPOSAL: SURFACE MOUNT
TP6	TOILET PAPER DISPENSER: SURFACE MOUNT
US1	UTILITY SHELF



EL DORADO COUNTY PUBLIC SAFETY FACILITY
 MORGUE BUILDING
 240 INDUSTRIAL DRIVE
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NO.	REVISION	DATE

PROJECT NO.: 2017.033
 DATE: 06-18-2018
 DESIGNED BY: KSM/G
 DRAWN BY: SSR/J
 APPROVED BY: MC
 SHEET TITLE: MORGUE ARCHITECTURAL INTERIOR ELEVATIONS

SHEET NUMBER:
MO-A-6.1
 18-0936 B 26 OF 36

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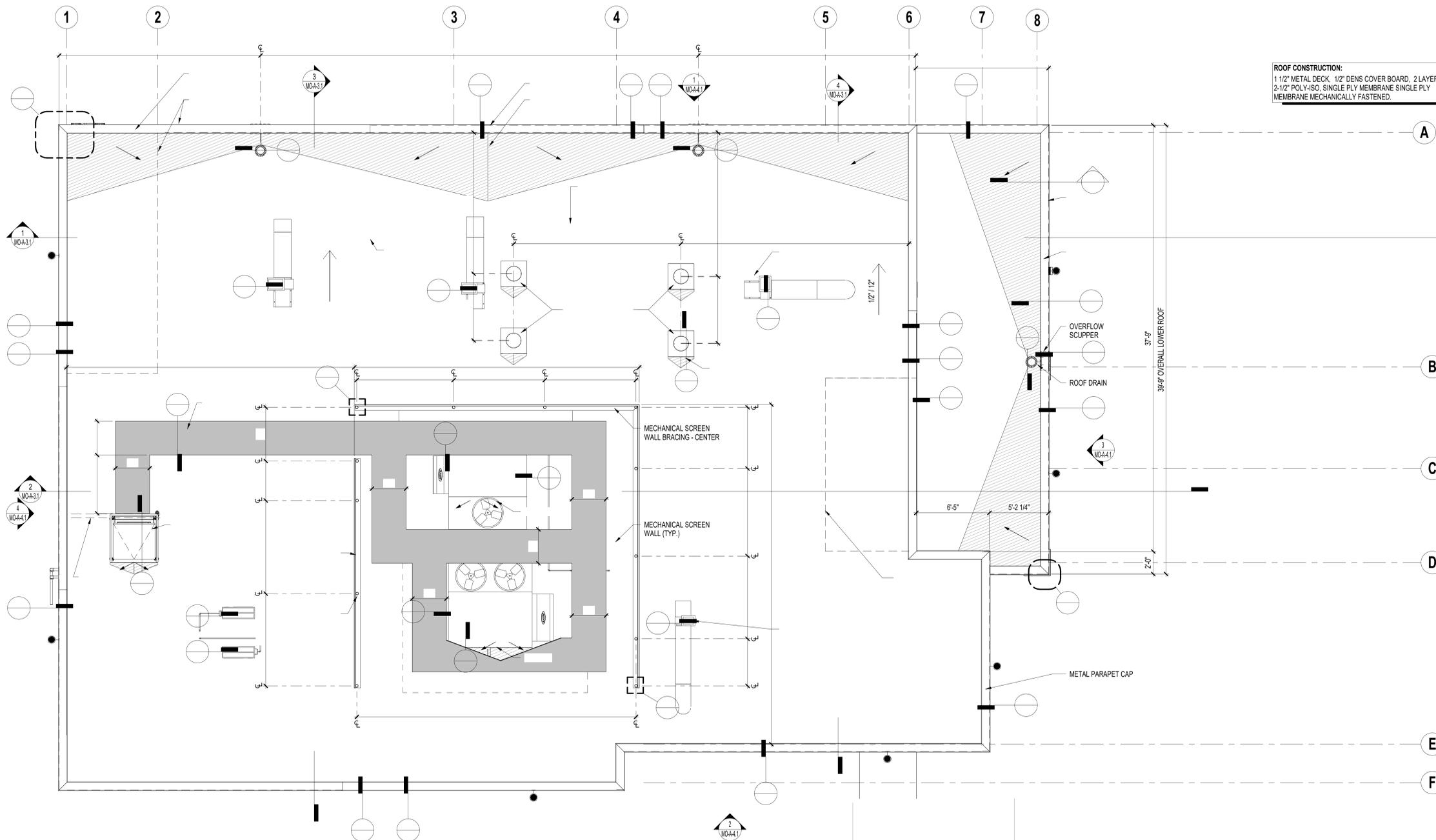
ROOF PLAN LEGEND

-  ROOF CRICKET SLOPE
-  WALK PAD SYSTEM
-  ROOF DRAIN
-  VTR - VENT THROUGH ROOF

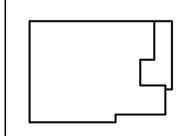
GENERAL NOTES

- A. PROVIDE TAPERED POLYISOCYANURATE BOARD CRICKETS AT ALL LOCATIONS INDICATED ON PLAN AND AT ALL HIGH SIDE OF ROOF PENETRATIONS.
- B. ALL ROOF AREAS SHALL BE MINIMUM 1/2" SLOPE PER FOOT.
- C. ROOFING CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
- D. ROOF SUBSTRATES SHALL BE MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS.
- E. SEE STRUCTURAL DRAWINGS FOR SIZE, SPACING AND CONNECTION DETAILS OF FRAMING MEMBERS.
- F. ALL THRU PENETRATIONS SHALL BE FULL SEALED PER ROOFING MANUFACTURER'S DETAILS UNLESS NOTED OTHERWISE.
- G. ALL PARAPET WALLS SHALL HAVE CONTINUOUS ROOFING SYSTEM TO UNDERSIDE OF PARAPET CAP FLASHING UNLESS OTHERWISE NOTED.
- H. TERMINATION BAR AND COUNTER FLASHING TO 8" MIN ABOVE ADJACENT ROOF WHERE NOTED.
- I. A PRECONSTRUCTION MEETING REQUIRED PRIOR TO ROOFING CONSTRUCTION.
- J. SPRAY ADDITIONAL TOP COAT PER SPEC AT INDICATED WALK PATH.
- K. REFER TO MPE FOR ADDITIONAL ROOF PENETRATIONS.
- L. ALL WOOD NAILERS ARE TO BE ACQ TREATED LUMBER OR EQUIVALENT. USE HOT-DIP GALVANIZED (ASTM A653 WITH A 90 OR GREATER) OR STAINLESS STEEL FASTENERS.
- M. THE BASE OF ALL MEMBRANE FLASHING SHALL EXTEND OUT ON TO THE PLANE OF THE DECK, BEYOND THE WOOD NAILER TO A MAXIMUM WIDTH OF 8".
- N. VERTICAL FLASHING SHALL BE TERMINATED NO LESS THAN 8" ABOVE THE PLANE OF THE DECK WITH APPROVED TERMINATION BAR OR METAL CAP FLASHING.
- O. VERTICAL WALL FLASHING TERMINATIONS SHALL NOT EXCEED 30" WITHOUT ADDITIONAL PARALLEL HORIZONTAL ROWS OF TERMINATION BARS BETWEEN THE DECK AND THE TERMINATION POINT OF THE FLASHING. SPACING BETWEEN HORIZONTAL ROWS SHALL NOT EXCEED 24".
- P. ROOF SADDLES CRICKETS TO THE HIGH SIDE OF CURBS SHALL BE A MIN. OF TWICE THE ROOF SLOPE ON FLAT PARAPETED ROOFS.

ROOF CONSTRUCTION:
 1 1/2" METAL DECK, 1/2" DENS COVER BOARD, 2 LAYERS OF 2-1/2" POLY-ISO, SINGLE PLY MEMBRANE SINGLE PLY MEMBRANE MECHANICALLY FASTENED.



KEY PLAN



1 OVERALL ROOF PLAN




C/S BROWARD builders



Arrington Watkins Architects

2024 Opportunity Drive, Suite 150
 Roseville, California 95678
 Telephone: (916) 538-7707
 Fax: (888) 510-3055

REGISTRANT SEAL



C-36681
 REN. 9/30/2019
 6/18/2018
 STATE OF CALIFORNIA
 "DIGITALLY CERTIFIED"

**EL DORADO COUNTY PUBLIC SAFETY FACILITY
 MORGUE BUILDING
 240 INDUSTRIAL DRIVE
 DIAMOND SPRINGS, CA 95619**



NO.	REVISION	DATE

PROJECT NO.: 2017.033
 DATE: 06-18-2018
 DESIGNED BY: KS/MG
 DRAWN BY: SS/RJ
 APPROVED BY: MC

SHEET TITLE:
 MORGUE ARCHITECTURAL OVERALL ROOF PLAN

SHEET NUMBER:
MO-A-7.1

18-0936 B 27 of 36

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CEILING & SOFFIT TYPE LEGEND

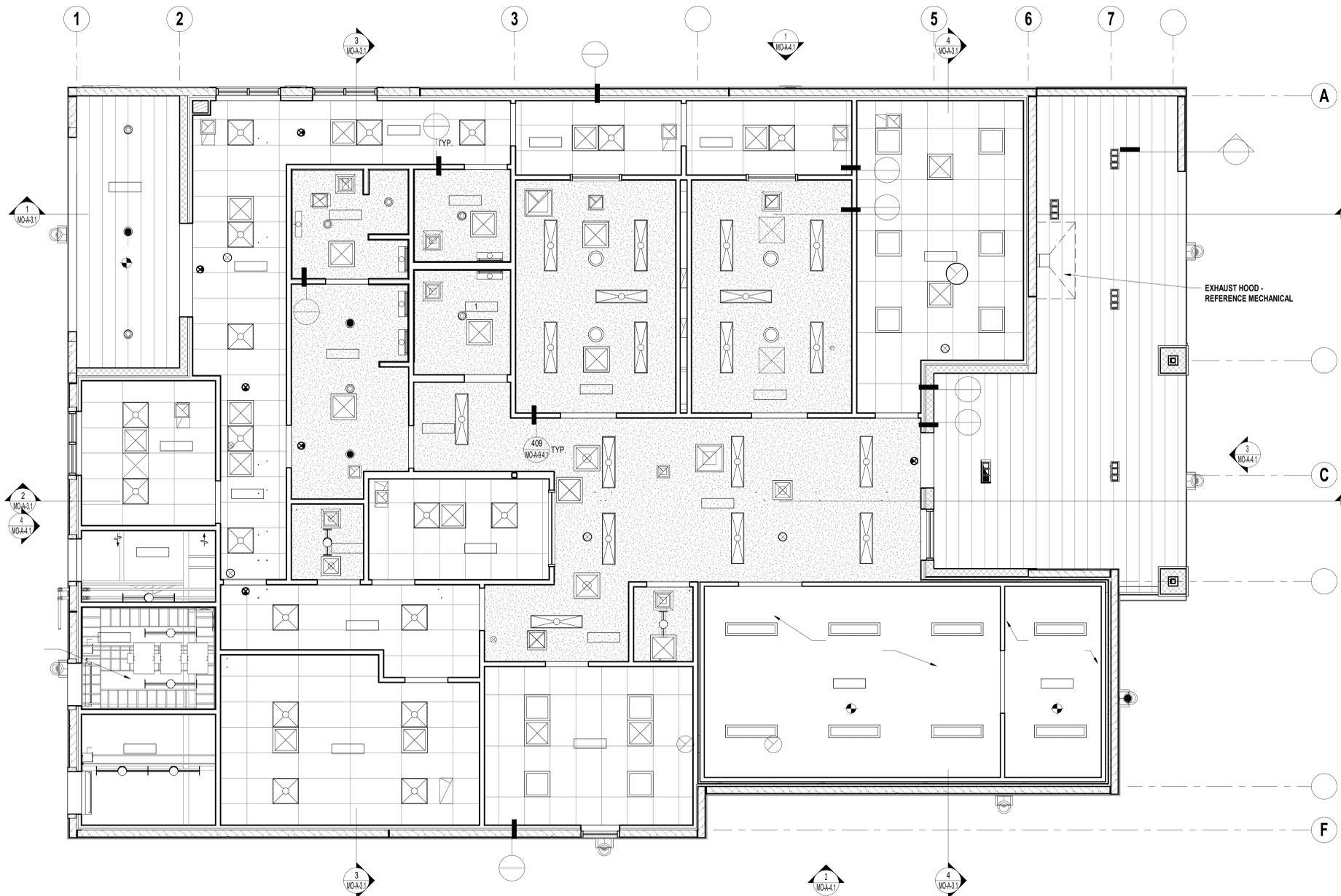
-  C1.3 - 24"x48" SUSPENDED ACOUSTICAL CEILING TILE
-  METAL PANELS
-  GYPSUM BOARD SHEATHING, PAINTED
-  EXPOSED STRUCTURE

CEILING / SOFFIT FIXTURE LEGEND

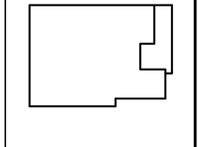
-  AIR REGISTER SUPPLY
-  AIR REGISTER RETURN
-  AIR REGISTER EXHAUST
-  24"x48" RECESSED LIGHT FIXTURE
-  24"x24" RECESSED LIGHT FIXTURE
-  24"x48" SURFACE MOUNT LIGHT FIXTURE
-  24"x24" SURFACE MOUNT LIGHT FIXTURE
-  48" SURFACE MOUNT STRIP LIGHT FIXTURE
-  48" SUSPENDED STRIP LIGHT FIXTURE
-  48" WALL MOUNT STRIP LIGHT FIXTURE
-  48" SUSPENDED LINEAR LIGHT FIXTURE
-  DOWN LIGHT ROUND OR SQUARE RECESSED
-  WALL-MOUNTED LIGHT
-  EXTERIOR WALL MOUNTED LIGHT FIXTURE
-  EXIT SIGN
-  SOLATUBE SKYLIGHT

GENERAL NOTES

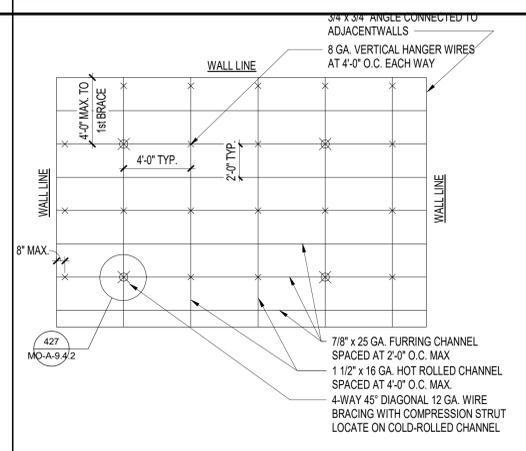
- A. ALL CEILING HEIGHTS ARE 9'-0" UNLESS NOTED OTHERWISE.
- B. CEILING ELEVATIONS: ARE MEASURED FROM FINISH FLOOR DIRECTLY BELOW TO FACE OF FINISH UNLESS NOTED OTHERWISE.
- C. SOFFIT DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH.
- D. SEE MECHANICAL & ELECTRICAL DRAWINGS FOR HVAC & LIGHTING FIXTURE TYPES.
- E. ALL EXIT LIGHTS TO BE WALL MOUNTED. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- F. FOR CEILING PANEL SEISMIC BRACING SEE DETAIL 420.
- G. FOR GYP. BOARD CEILING SEISMIC BRACING SEE DETAIL 410.
- H. ACCESS PANELS TO BE PROVIDED IN HARD LID CEILINGS IF EQUIPMENT IS LOCATED ABOVE THE CEILING WHETHER SHOWN ON PLAN OR NOT.
- I. SPRINKLER HEAD LAYOUT TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- J. SPRINKLER HEAD LOCATION TO BE CENTERED IN 24" X 48" ACOUSTIC TILE.



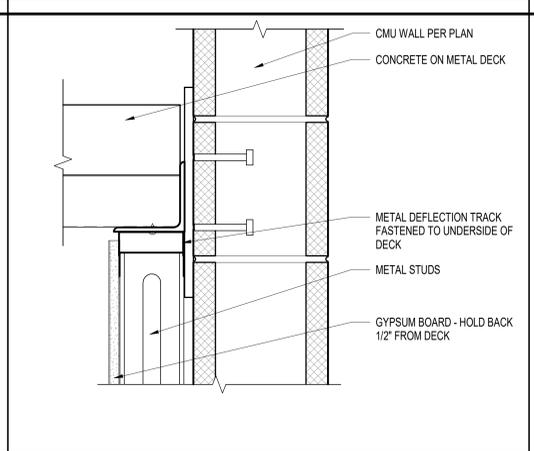
KEY PLAN



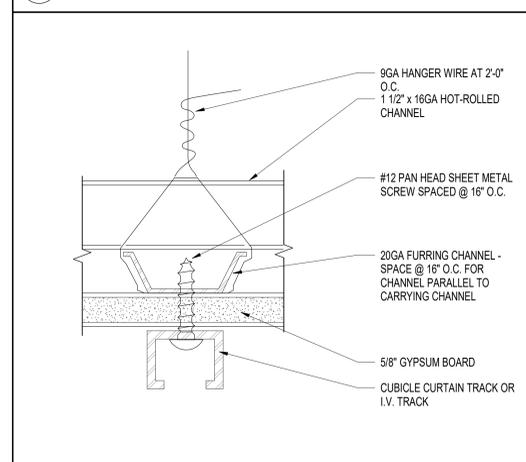
OVERALL REFLECTED CEILING PLAN



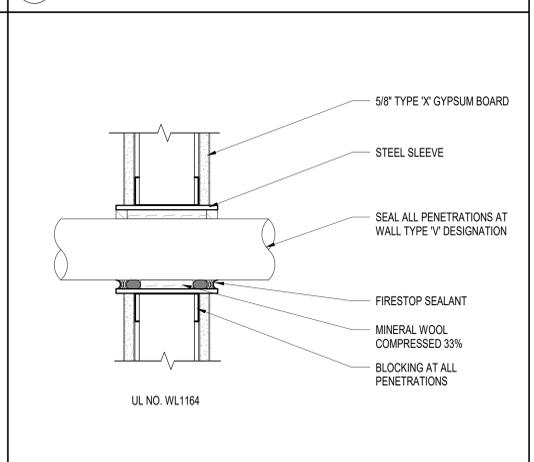
425 DIAGRAMMATIC GYPSUM BOARD CEILING



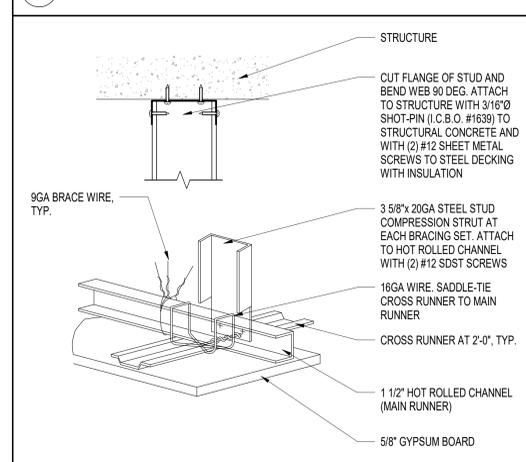
421 CONCRETE ON METAL DECK AT FURRED CMU WALL



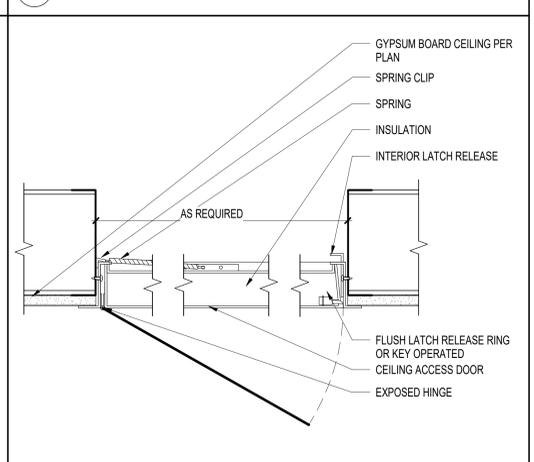
426 CURTAIN OR I.V. TRACK ATTACHMENT GYP. BD.



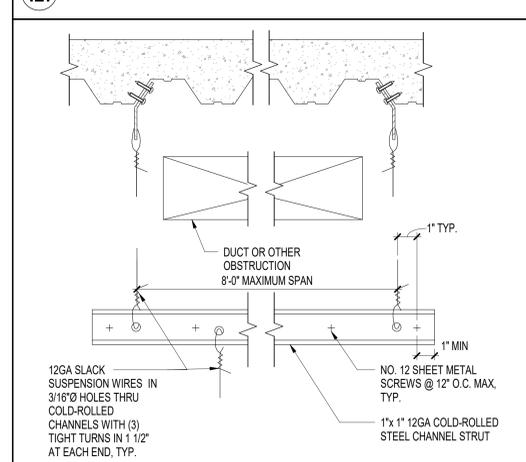
422 VAPOR TIGHT PENETRATION AT STUD WALL



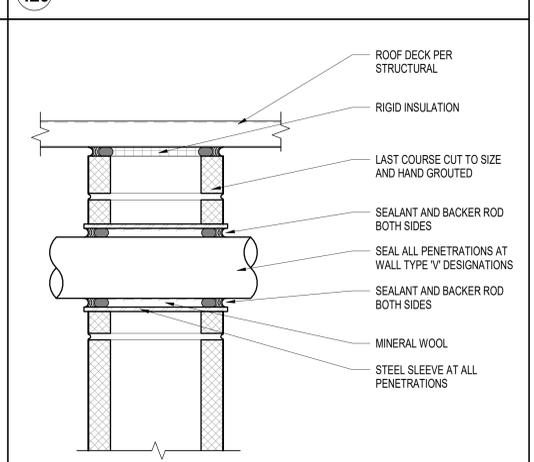
427 COMPRESSION STRUT DETAIL



423 CEILING ACCESS DOOR



428 CHANNEL STRUT SPREADER BAR ASSEMBLY



424 MASONRY WALL AT VAPOR TIGHT DESIGNATION

C/S BROWARD builders

Arrington Watkins Architects

2024 Opportunity Drive, Suite 150
Roseville, California 95678
Telephone: (916) 338-7707
Fax: (888) 510-3055

REGISTRANT SEAL

"DIGITALLY CERTIFIED"

EL DORADO COUNTY PUBLIC SAFETY FACILITY
MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619

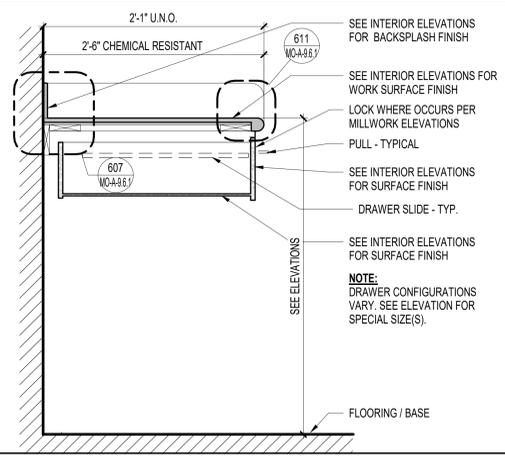


NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KSM/MG
DRAWN BY: SSR/JL
APPROVED BY: MC
SHEET TITLE:
MORGUE ARCHITECTURAL CEILING DETAILS 421-440

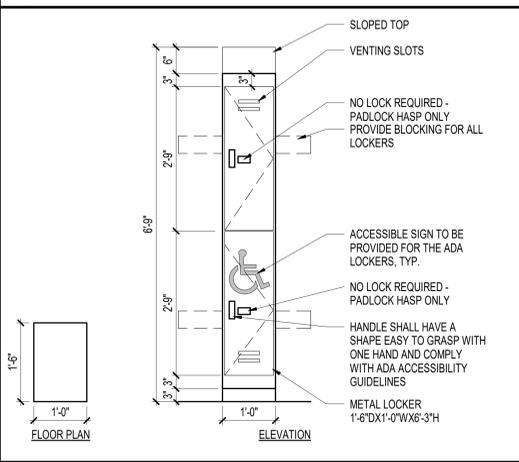
SHEET NUMBER:
MO-A-9.4.2

- CASEWORK: "CUSTOM" GRADE, STYLE 'A', TYPE 1, FLUSH OVERLAY AS DEFINED BY THE WOODWORK INSTITUTE.
- FINISH EXPOSED AND SEMI-EXPOSED SURFACES OF CASEWORK INCLUDING THE INTERIOR OF OPEN CASEWORK AND SHELVING WITH PLASTIC LAMINATE. COUNTERTOPS SHALL BE SOLID SURFACE UNLESS NOTED OTHERWISE. INTERIOR OF ENCLOSED CABINETS SHALL BE WHITE MELAMINE. EDGES OF CABINETS DOORS AND DRAWER UNITS SHALL BE TRIMMED WITH 3 MM SINGLE PLY MEMBRANE EDGING STRIP (COLOR PER INTERIOR DRAWINGS).
- BASES ON CASEWORK SHALL BE 4" UNLESS OTHERWISE NOTED. PROVIDE SAME FINISH BASE MATERIAL AS ADJACENT WALLS. SEE INTERIOR FINISH SCHEDULE. EXTEND BASE TO WALL AT ALL CABINET RETURNS AND END PANELS.
- IN CASES OF CABINET INSTALLATIONS BETWEEN WALLS, VERIFY DIMENSIONS IN FIELD AND PROVIDE FILLER PANEL STRIPS AT ENDS OR REDUCE END CABINETS WIDTH AS REQUIRED TO FIT SPACE AS INDICATED.
- UPPER AND LOWER CABINET DOORS AND FULL HEIGHT CABINETS SHALL HAVE PULLS MOUNTED VERTICALLY. DRAWERS SHALL HAVE HORIZONTAL PULLS. PULLS SHALL BE 4" WIRE WITH POLISHED CHROME FINISH U.N.O.
- HINGES: "BLUM" 125 DEGREE SELF CLOSING CLIP HINGE.
- DRAWER SLIDES: "ACCURIDE" 75 lb. FULL EXTENSION SLIDES. FILE DRAWER SLIDES SHALL BE 100 # CAPACITY.
- FILE DRAWERS: SIZED FOR 8 1/2"x 11" FORMS. PROVIDE FILE RODS EXTENDING FRONT TO BACK OF DRAWER UNIT. TYPICAL COORDINATE HEIGHT AND LOCATION OF BACKING PLATES FOR CASEWORK WITH STUD FRAMING CONTRACTOR.
- FOR BACKING PLATE DETAILS, REFER TO DETAILS ON SHEET A-9.6.
- PROVIDE (1) 2" DIA. GROMMET WITH PLASTIC COVER AT EACH KNEE SPACE, CENTERED OVER OUTLETS.
- COORDINATE QUANTITY AND LOCATION OF LOCKS FOR CABINETRY PER THE INTERIOR ELEVATIONS.

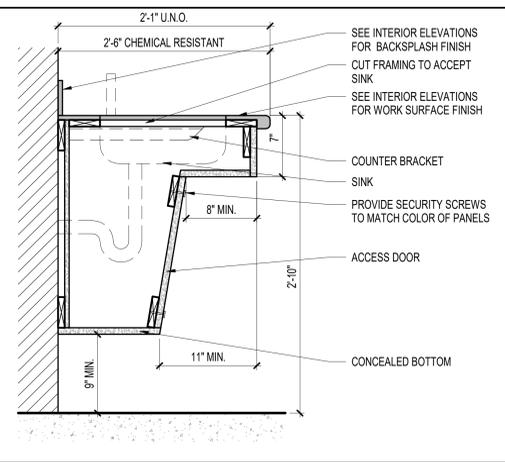


605 UNDER COUNTER DRAWERS

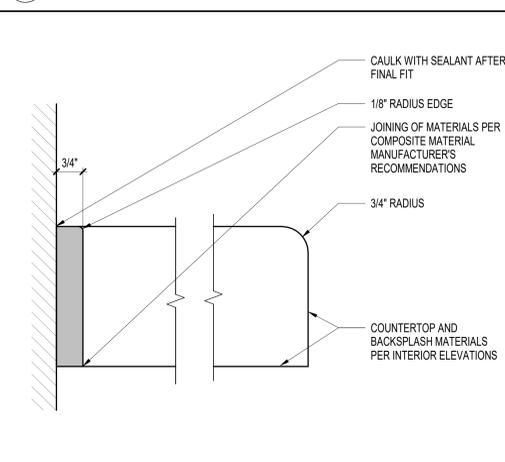
601 MILLWORK GENERAL NOTES



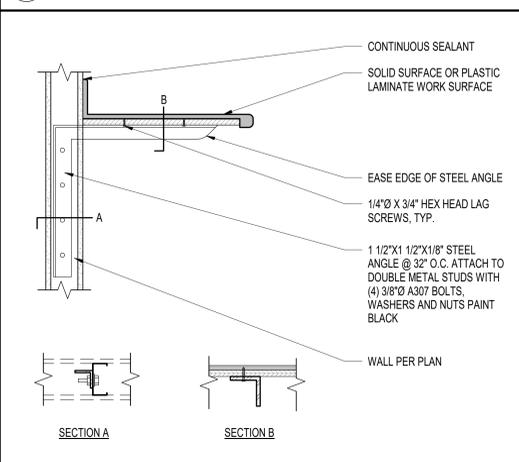
602 LOCKERS



606 ACCESSIBLE SINK W/ CABINET SHROUD



607 BACKSPLASH AT COUNTERTOP



603 COUNTERTOP SUPPORT



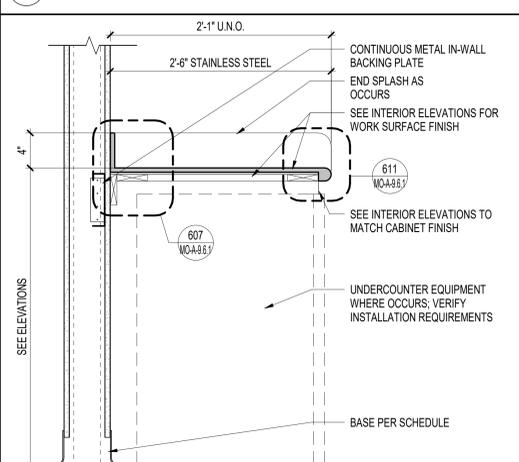
611 COUNTERTOP EDGE PROFILES



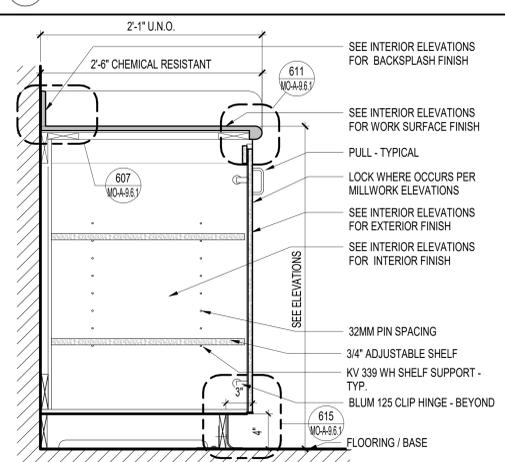
615 FINISHED END & TOE SPACE



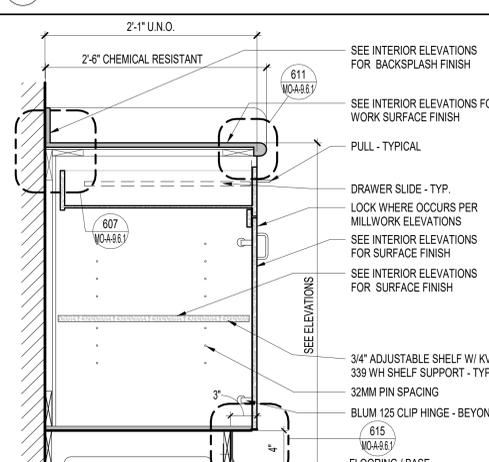
619 DT_6019 UPPER CABINETS W/ADJ. SHELVES



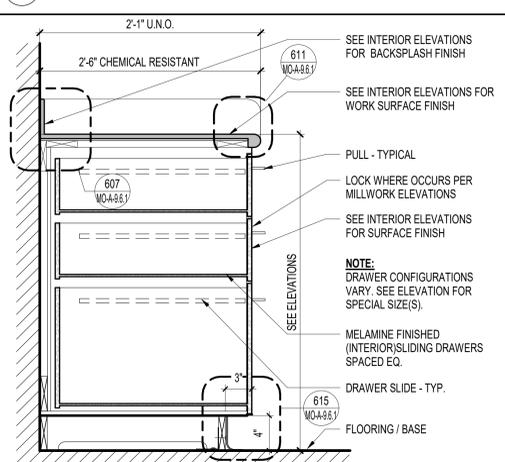
604 COUNTERTOP OPEN BELOW



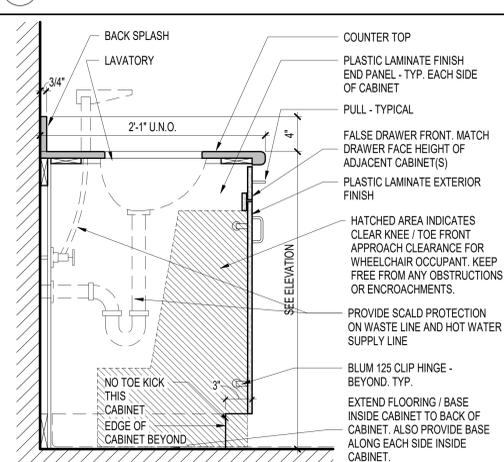
608 BASE CABINET W/ADJUSTABLE SHELVES



612 BASE CABINET W/DOOR + 1 DRAWER



616 BASE CABINET 2 BOX & ONE FILE DRAWERS



620 ACCESSIBLE SINK BASE CABINET



2024 Opportunity Drive, Suite 150
 Roseville, California 95678
 Telephone: (916) 338-7707
 Fax: (888) 510-3055



EL DORADO COUNTY PUBLIC SAFETY FACILITY
 MORGUE BUILDING
 240 INDUSTRIAL DRIVE
 DIAMOND SPRINGS, CA 95619

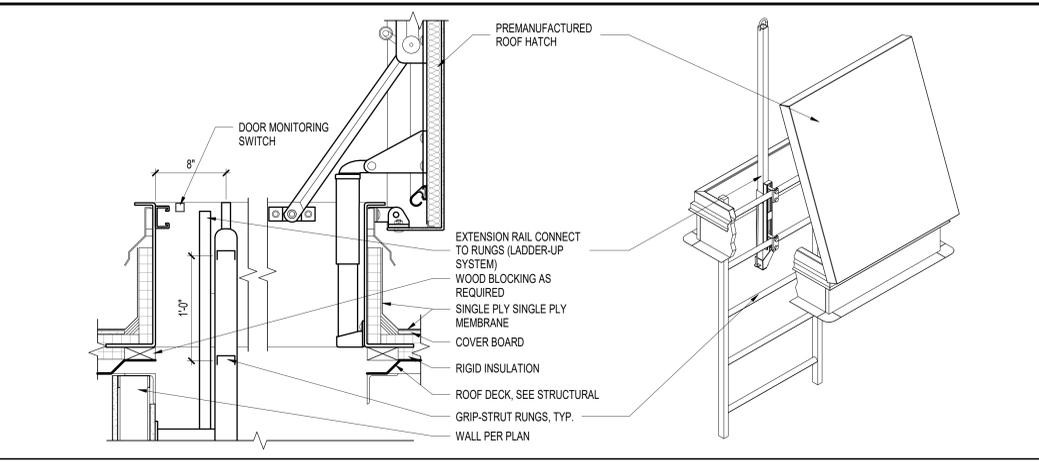


NO.	REVISION	DATE

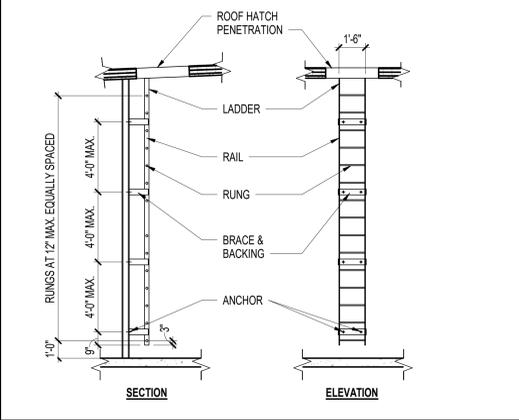
PROJECT NO.: 2017.033
 DATE: 06-18-2018
 DESIGNED BY: KS/MG
 DRAWN BY: SS/RJ
 APPROVED BY: MC

SHEET TITLE:
 MORGUE
 ARCHITECTURAL
 VERTICAL CIRCULATION
 DETAILS - (801-812)

SHEET NUMBER:
MO-A-9.8.1



805 ROOF ACCESS HATCH



802 WALL MOUNTED LADDER



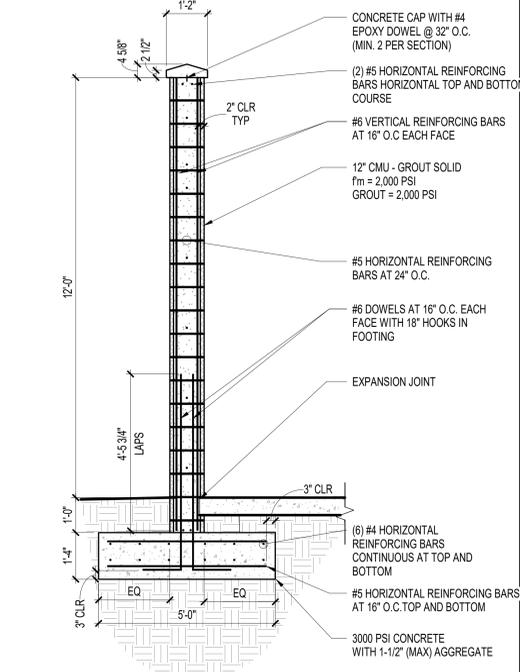
EL DORADO COUNTY PUBLIC SAFETY FACILITY
MORGUE BUILDING
240 INDUSTRIAL DRIVE
DIAMOND SPRINGS, CA 95619



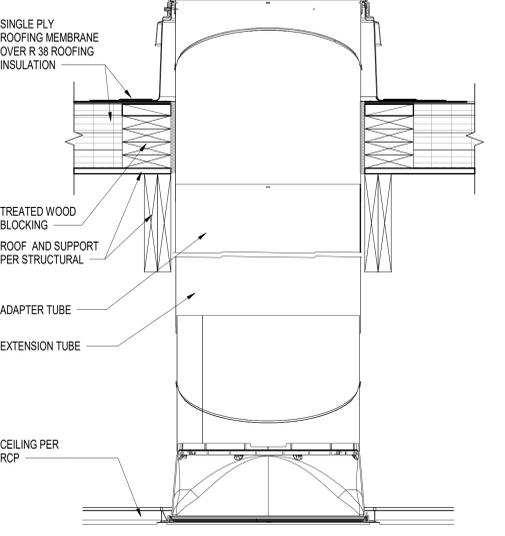
NO.	REVISION	DATE

PROJECT NO.: 2017.033
DATE: 06-18-2018
DESIGNED BY: KSM/MG
DRAWN BY: SSR/JL
APPROVED BY: MC
SHEET TITLE:
MORGUE ARCHITECTURAL MISCELLANEOUS DETAILS - (901-912)

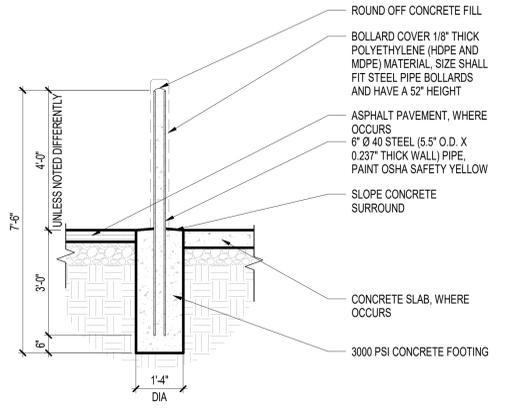
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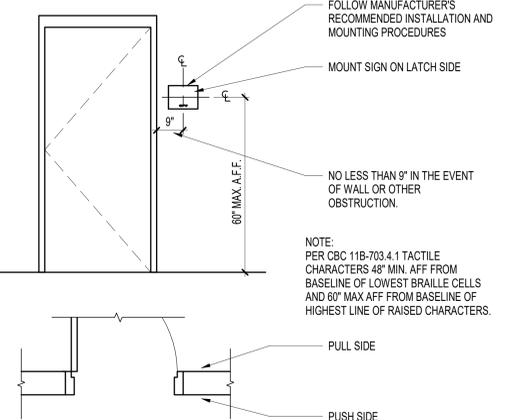
906 SOLATUBE DETAIL



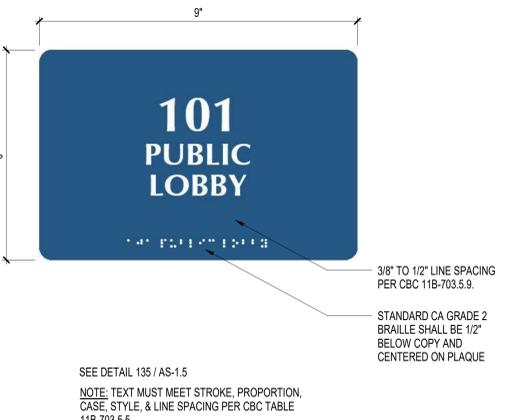
902 SOLATUBE DETAIL



907 PIPE BOLLARD



903 SIGN MOUNTING LOCATION



904 ROOM NUMBER AND NAME SIGN