

SRDA BALCONY ENCLOSURE

230 N. UNION AVE.
PUEBLO, COLORADO 81003

CONSULTANTS:



830 N. MAIN ST., SUITE 140 • PUEBLO, CO 81003
719-696-8249 (O)

SRDA BALCONY ENCLOSURE for

230 N. Union Avenue
Pueblo, CO 81003

STAMP:

ISSUE RECORD:
Construction Documents 10-10-17

PROJECT NUMBER: 2015-24
DRAWN BY: L. Ramos
REVIEWED BY: S. Weidner

Cover Sheet
G1

Abbreviations

#	AND	INT	INTERIOR
●	AT	IRRIG	IRRIGATION
#	FOUND OR NUMBER	JNT	JOINT
ACT	ACOUSTICAL CEILING TILE	JST	JOIST
ADJ	ADJUSTABLE	LAM	LAMINATED
ALUM	ALUMINUM	LAV	LAVATORY
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH	ARCHITECTURAL	MECH	MECHANICAL
BRG	BEARING	MFR	MANUFACTURER
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLK	BLOCK	MO	MASONRY OPENING
BLKG	BLOCKING	MTD	MOUNTED
BM	BEAM	MTL	METAL
BO	BY OWNER	NIC	NOT IN CONTRACT
BTM	BOTTOM	NTS	NOT TO SCALE
CAB	CABINET	O	OVER
CI	CAST IRON	OA	OVERALL
CLG	CEILING	OC	ON CENTER
CLO	CLOSET	OD	OUTSIDE DIAMETER
CLR	CLEAR	OPNG	OPENING
COL	COLUMN	OPP	OPPOSITE
CONC	CONCRETE	PCT	PORCELAIN TILE
CONN	CONNECTION	PL	PLATE
CONSTR	CONSTRUCTION	FLAM	FLASTIC LAMINATE
CONT	CONTINUOUS	PLYMD	PLYWOOD
CORR	CORRIDOR	FR	PAIR
CB	COVE BASE	PT	PAINT
CMU	CONCRETE MASONRY UNIT	FT	POINT
CPT	CARPET	RECEPT	RECEPTACLE
CT	CERAMIC TILE	RAD	RADIUS
DBL	DOUBLE	RB	RUBBER BASE
DTL	DETAIL	RD	ROOF DRAIN
DIA	DIAMETER	RE	REFERENCE
DIM	DIMENSION	REINF	REINFORCED
DN	DOWN	REQ'd	REQUIRED
DNR	DRAWER	RM	ROOM
DS	DOWNSPOUT	RO	ROUGH OPENING
DNG	DRAINING	RVT	RESILIENT VINYL
(E) or EXIST	EXISTING	SAG	SUSPENDED
EA	EACH	SC	ACOUSTICAL GRID
EJ	EXPANSION JOINT	SC	SEALED CONCRETE
ELEC	ELECTRICAL	SC	SOLID CORE
ELEV	ELEVATION	SCHED	SCHEDULE
EMER	EMERGENCY	SECT	SECTION
ENCL	ENCLOSURE	SF	STORE FRONT
EP	EPOXY	SHT	SHEET
EPT	EPOXY PAINT	SHT MTL	SHEET METAL
EQPT	EQUAL	SIM	SIMILAR
EQPT	EQUIPMENT	SOL	SOLID SURFACE
EXIST	EXISTING	SPEC	SPECIFICATION
EXP	EXPANSION	SQ	SQUARE
EXT	EXTERIOR	SS	STAINLESS STEEL
FA	FIRE ALARM	STD	STANDARD
FD	FLOOR DRAIN	STL	STEEL
FND	FOUNDATION	STOR	STORAGE
FE	FIRE EXTINGUISHER	STRUCT	STRUCTURAL
FF	FACTORY FINISH	SUSP	SUSPENDED
FG	FLOAT GLAZE	SV	SHEET VINYL
FIN	FINISH	SYM	SYMMETRICAL
FLJOR	FLOUORESCENT	TEL	TELEPHONE
FOB	FACE OF BLOCK	TER	TERRAZZO
FOC	FACE OF CONCRETE	T&G	TONGUE AND GROOVE
FOF	FACE OF FINISH	THK	THICK
FOS	FACE OF STUDS	TV	TELEVISION
FRP	FIBERGLASS REINFORCED	TOW	TOP OF WALL
FT	FOOT OR FEET	TYP	TYPICAL
FTG	FOOTING	TO	TOP OF
FURR	FURRING	TOP	TOP OF PARAPET
FFE	FINISHED FLOOR	UNO	UNLESS NOTED OTHERWISE
GA	GAUGE	UR	URINAL
GALV	GALVANIZED	VCT	VINYL COMPOSITE
GC	GENERAL CONTRACTOR	VERT	VERTICAL
GL	GLASS	VEST	VESTIBULE
GRD	GRADE	VIF	VERIFY IN FIELD
GYP BD	GYPSPUM BOARD	VTR	PLUMBING VENT THRU ROOF
GB	GYPSPUM BOARD	W	WITH
HB	HOSE BIB	WC	WATER CLOSET
HC	HOLLOW CORE	WD	WOOD
HPND	HARDWOOD	WO	WITHOUT
HPWR	HARDWARE	WP	WATERPROOF
HM	HOLLOW METAL	WR	WATER RESISTANT
HORIZ	HORIZONTAL	WRB	WATER RESISTANT GYPSPUM BOARD
HT	HEIGHT	WST	WAINSCOT
ID	INSIDE DIAMETER	WT	WEIGHT
IG	INSULATED GLAZE		
INSUL	INSULATION		

General Notes

- ALL WORK CALLED FOR IN THESE PLANS SHALL BE EXECUTED WITH EXTREME CONCERN FOR CRAFTSMANSHIP AND SAFETY IN FULL ACCORDANCE WITH THE ADOPTED CODES AND ORDINANCES OF THE GOVERNING AGENCY IN WHICH THIS PROJECT IS BEING CONSTRUCTED.
- ALL WORK, WHETHER SPECIFICALLY CALLED FOR OR NOT, SHALL BE CONSTRUCTED UNDER THE LATEST CODES AND ORDINANCES AS ADOPTED BY GOVERNING AGENCY.
- THE GENERAL CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THESE DOCUMENTS PRIOR TO PROCEEDING WITH ANY CONSTRUCTION AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WITH ANY WORK. SHOULD ANY DEVIATIONS BE MADE TO THESE PLANS WITHOUT WRITTEN CONSENT FROM THE ARCHITECT, THE OWNER / GENERAL CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR SUCH DEVIATION (S).
- INFREQUENT SITE VISITS BY THE ARCHITECT IN NO WAY ALLEVIATES THE GENERAL CONTRACTORS RESPONSIBILITY IN REGARDS TO CODE COMPLIANCE, SAFETY AND THOROUGHNESS.
- ALL SUBCONTRACTORS SHALL VISIT JOB SITE WITHIN 24 HOURS PRIOR TO COMMENCING WITH WORK. THE SUBCONTRACTOR TO BE RESPONSIBLE FOR REVIEWING RELATED TRADES SUBSURFACE PREPARATION AND SHALL REPORT ANY NON- CONFORMING DISCREPANCY TO THE GENERAL CONTRACTOR. EXECUTION OF WORK BY ANY SUBCONTRACTOR INDICATES ACCEPTANCE OF PREVIOUS TRADES WORK.
- THE OWNER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND THE ARCHITECT, HIS EMPLOYEES AND CONSULTANTS AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES AND COST OF DEFENSE ARISING OUT OF THE ERRORS AND OMISSIONS, OR NEGLIGENT ACTS CAUSED BY THE UNAUTHORIZED MODIFICATIONS TO THESE PLANS.
- ANY CHANGE (S), MODIFICATION (S), OR ALTERATION (S) TO THESE PLANS SHALL BE AT THE SOLE RISK OF PERSON (S) MAKING OR CAUSING THE SAME.
- THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL AND DISPOSAL OF OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.

Symbol Legend

	= EMERGENCY EGRESS DOOR
	= PORTABLE FIRE EXTINGUISHER, W/BACKET or W/CABINET, 10# TYPE ABC
	= ELEVATION DATUM
	= EXTERIOR ELEVATION CALLOUT
	= SECTION CALLOUT
	= DETAIL CALLOUT
	= INTERIOR ELEVATION
	= DOOR CALLOUT, WINDOW CALLOUT, ROOM CALLOUT, WALL TYPE TAG
	= SHEET TITLE
	= DETAIL TITLE

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GENERAL	
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ARCHITECTURAL	
DI	DEMOLITION FLOOR PLAN & ELEVATIONS
A1	FLOOR PLAN, REFLECTED CEILING PLAN, ROOM FINISH SCHEDULE, DOOR & WINDOW ELEVATIONS & SCHEDULES
A2	ELEVATIONS
A3	BUILDING CROSS SECTION & DETAILS
MECHANICAL/PLUMBING	
MO.1	DRAWING INDEX, GENERAL NOTES, LEGENDS, AND DIAGRAMS
MI.1	FLOOR PLAN - HVAC
ELECTRICAL	
EO.1	ELECTRICAL DEMOLITION PLAN, AND SINGLE LINE DIAGRAM
EI.1	LIGHTING PLAN, CONTROL DETAIL, LIGHTING LEGEND AND FIXTURE SCHEDULE
E2.1	POWER/IT ROUGH-IN PLANS AND POWER SYMBOL LEGEND

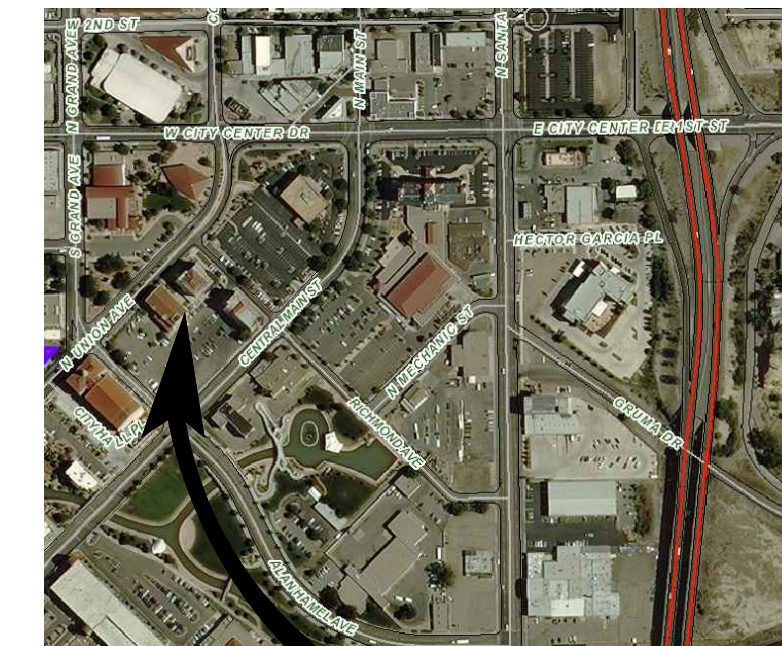
Project Description

ENCLOSED EXISTING BALCONY 1088 S.F.

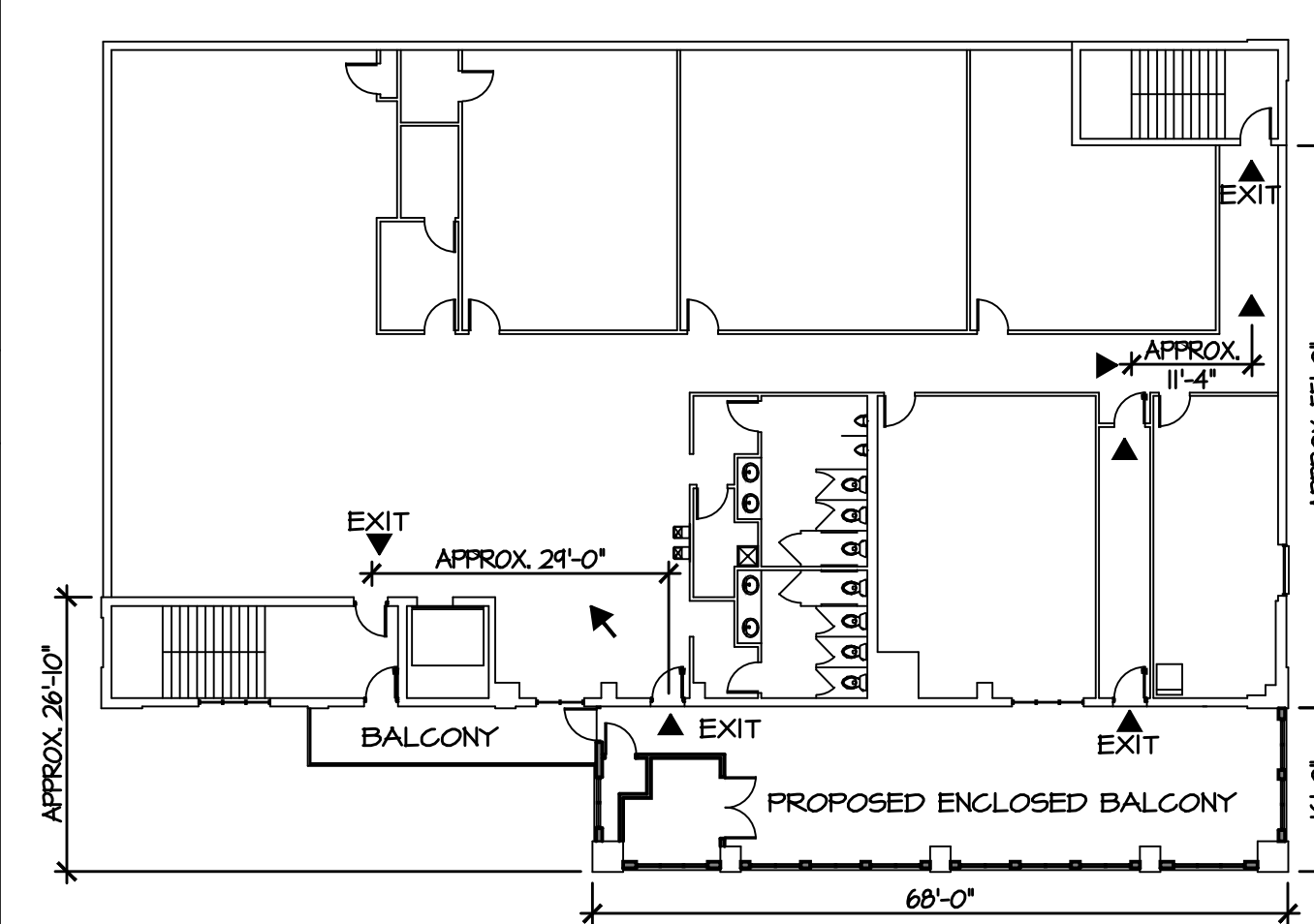
Consultants / Contacts

Owner: SRDA SENIOR CENTER PUEBLO, CO	Electrical Engineer: Kohert Electrical Engineers Mike Kohert, PE 411 South 8th Street Suite 200 Colorado Springs, CO 80906 1-719-633-2637 email@kohertee.com
Architect: Weidner & Associates, L.L.C. Steve Weidner, RA 830 North Main Street Suite 140 Pueblo, CO 81003 719-696-8244 Steve@WeidnerAndAssociates.net	Mechanical Engineer: AE Associates, INC Roger Lemmon, P.E. 308 West Fillmore Suite 200 Colorado Springs, CO 80907 719-262-4430 roger.lemmon@aeassociates.net

Vicinity Map



SITE




SECOND FLOOR EXIT PLAN
NOT TO SCALE

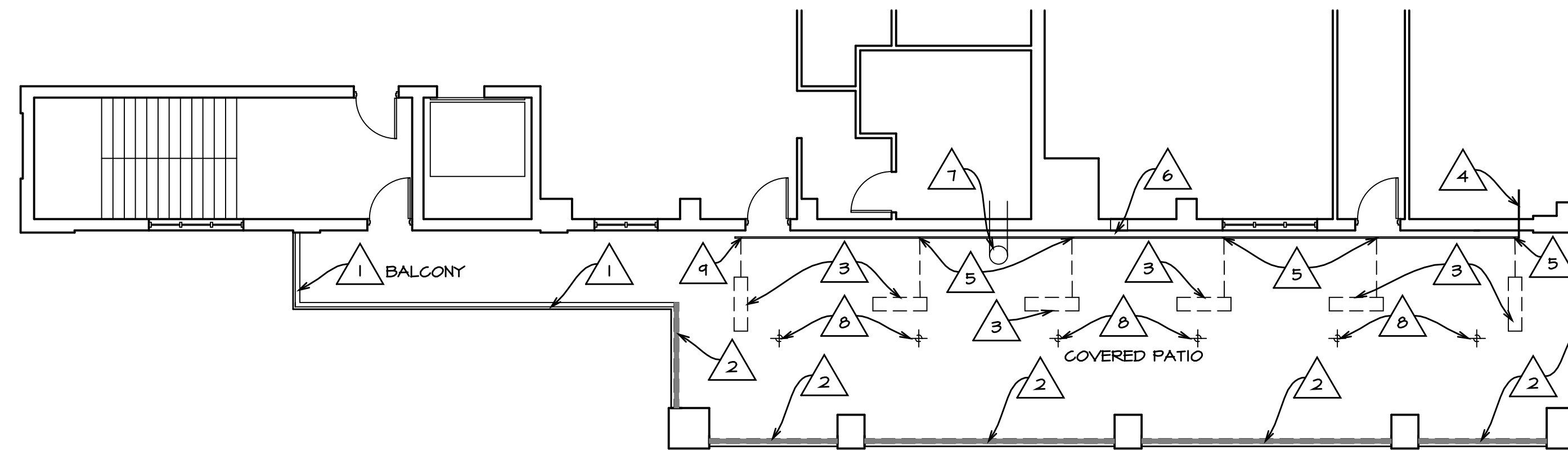
ORIGINAL BUILDING CODE COMPLIANCE:

Codes	1988 UBC	
Building Occupancy (UBC Section 303.1)	A-3	
Construction Type (UBC Table 5-C)	II - 1 Hour	
Allowable Area (UBC Table 5-C)	13,500 sf	
Allowable Height (UBC Table 5-D)	2	
Actual Height and Area	3 - Sprinkled	
Height (Stories)	3	
Area	21,800 sf	
1st floor	6,826	
2nd floor	7,487	
3rd floor	7,487	
Fire Sprinklers	Yes	
Occupant Load	579 Occupants	
1st floor	238 Occ.	
2nd floor	218 Occ.	
3rd floor	123 Occ.	
Required Exiting	2	
Provided Exiting	(2) 1st floor, (2) 2nd and 3rd floors	
Required Exiting Width		
2nd floor	14.4"	
1st floor	43.2"	
Required Exiting Width Provided		
2nd floor	72"	
1st floor	180"	
Existing Plumbing Fixtures		
1st floor - Men - 2 WC, 2 UR, 2 LAV	Women - 4 WC, 2 LAV	DF - 2
2nd floor - Men - 3 WC, 2 UR, 2 LAV	Women - 4 WC, 2 LAV	DF - 2
3rd floor - Men - 2 WC, 2 UR, 2 LAV	Women - 3 WC, 2 LAV	DF - 2

CURRENT CODE COMPLIANCE:

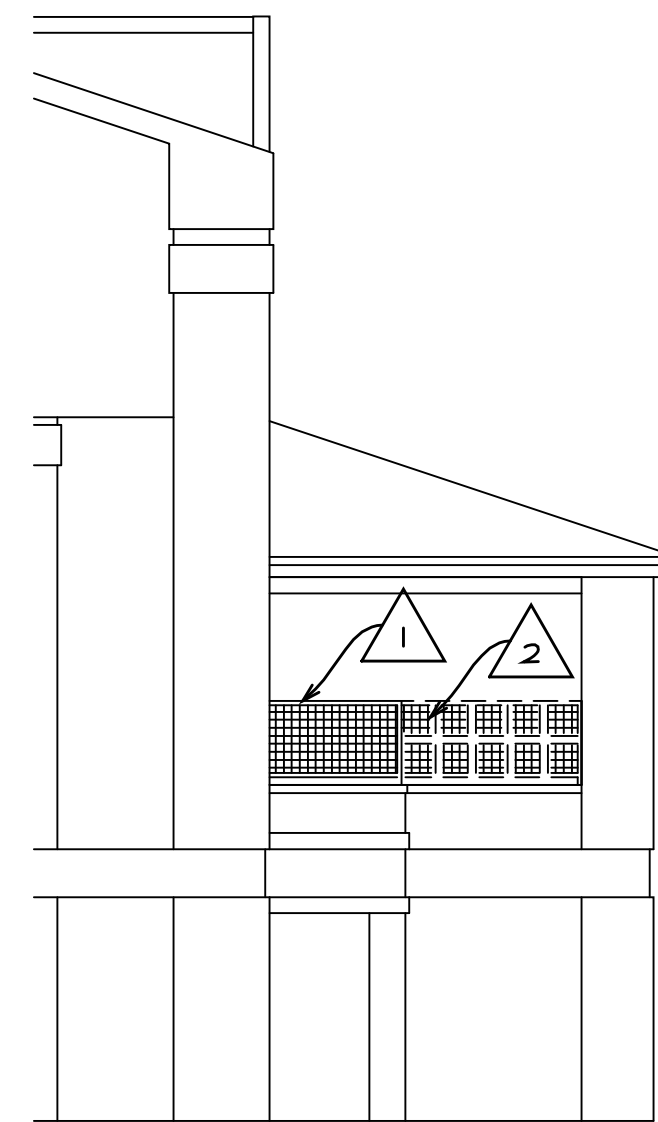
Codes	2015 IBC			
Building Occupancy (IBC Section 303.4)	A-3			
Construction Type (IBC Section 602.3)	Type II-A			
Allowable Height (IBC Table 504.3)	85 Feet			
Allowable Stories (IBC Table 504.4)	3 Stories			
Allowable Area (IBC Table 506.2)	46,500 sf per floor			
Actual Height and Area				
Height (Stories)	3			
Height (Feet)	52 feet +/-			
Area	7,487 sf footprint / 22,888 sf total (1,088 sf at 2nd floor)			
Fire Sprinklers	Yes*			
Existing building is fully sprinkled. EXISTING SYSTEM TO BE EXTENDED INTO BALCONY ENCLOSURE as REQUIRED PER NFPA.				
Occupancy Factor (IBC Table 1004.1.2)	Assembly - T&C 15 net			
Additional Occupant Load	42 Occupants			
618 Useable sf / 15	41.2 Occ.			
113 Storage sf / 300	0.4 Occ.			
Total Occupant Load	621 Occupants			
1st floor	238 Occ.			
2nd floor	260 Occ.			
3rd floor	123 Occ.			
Required Exiting	2			
Provided Exiting	(2) 1st floor, (2) 2nd and 3rd floors			
Required Exiting Width (IBC Section 105.3)				
2nd floor	14.4"			
1st floor	43.2"			
Required Exiting Width Provided				
2nd floor	72"			
1st floor	180"			
Required Plumbing Fixtures for A-3 Occupancy (IBC Table 2902.1)				
Men - 1/125	Women - 1/65	LAV - 1/200	DF - 1/500	Service Sink - 1
1st floor - 238 Occ.	Men - 1 WC, 1 LAV	Women - 2 WC, 1 LAV	DF - 1	
2nd floor - 280 Occ.	Men - 2 WC, 1 LAV	Women - 3 WC, 1 LAV	DF - 1	
3rd floor - 123 Occ.	Men - 1 WC, 1 LAV	Women - 1 WC, 1 LAV	DF - 1	

- DEMOLITION NOTES:** 
1. EXISTING GUARD RAILING TO REMAIN.
 2. REMOVE EXISTING GUARD RAILING FOR NEW CONSTRUCTION.
 3. REMOVE EXISTING GAS FIRED RADIANT HEATERS.
 4. EXISTING GAS LINE TO REMAIN.
 5. CAP BRANCH GAS LINE AT MAIN RUN.
 6. EXISTING WALL LOUVER TO REMAIN.
 7. EXISTING EXHAUST DUCT THRU ROOF TO REMAIN.
 8. REMOVE EXISTING CEILING LIGHT FIXTURES.
 9. CONNECT NEW GAS LINE TO EXISTING GAS LINE. RE. MECHANICAL PLANS.



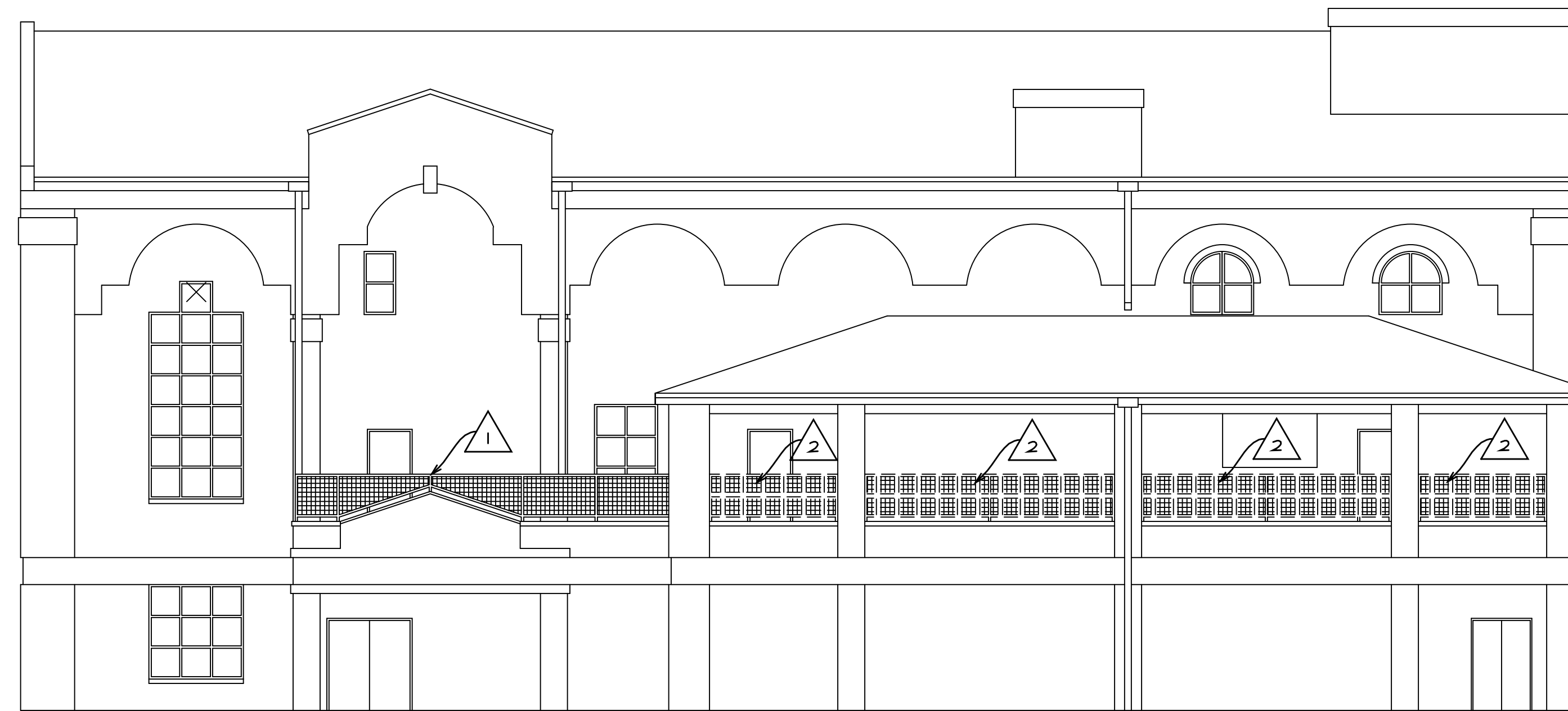
DEMOLITION FLOOR PLAN

1/8" = 1' - 0"



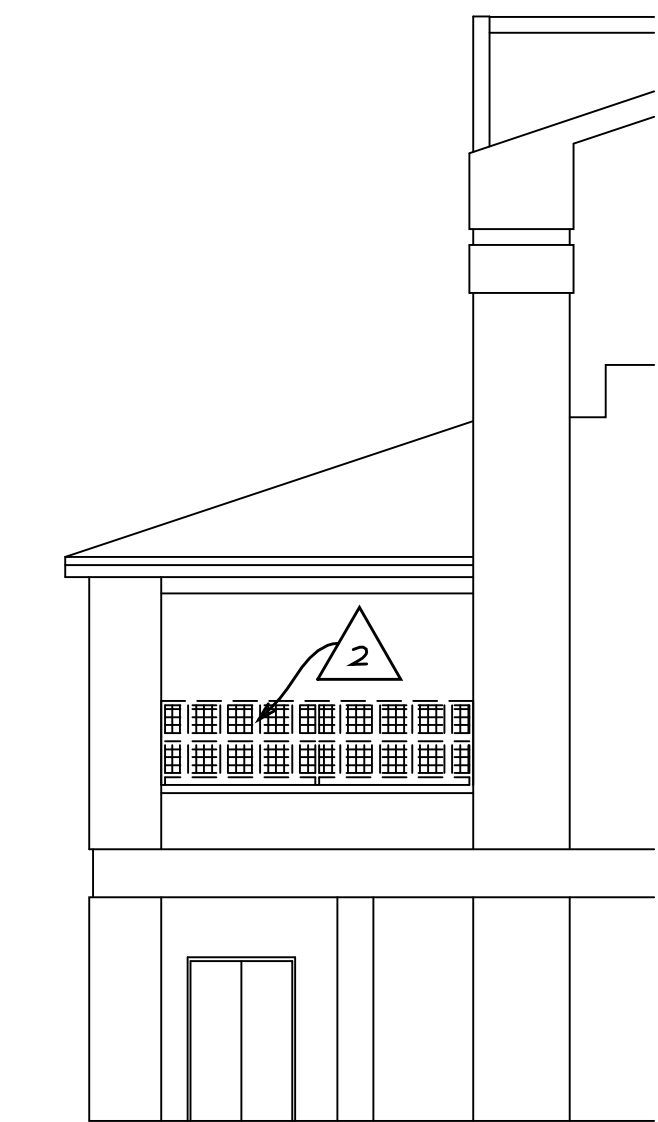
DEMOLITION WEST ELEVATION

1/8" = 1' - 0"



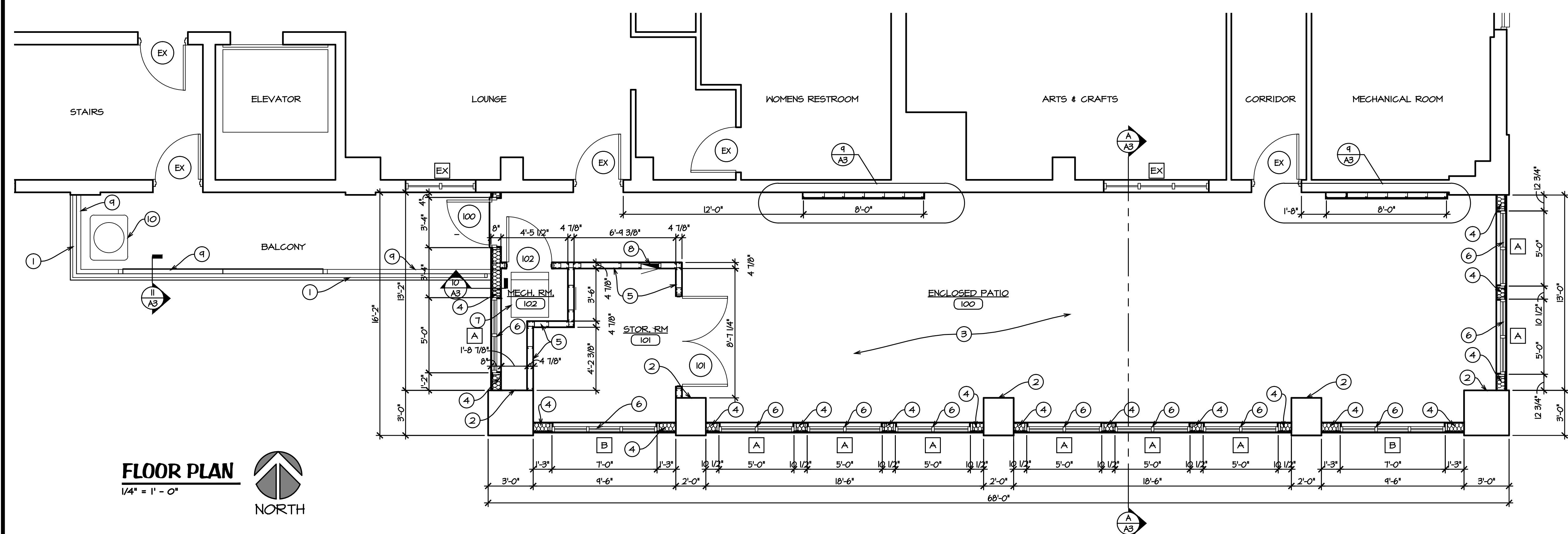
DEMOLITION SOUTH ELEVATION

1/8" = 1' - 0"



DEMOLITION EAST ELEVATION

1/8" = 1' - 0"



- CONSTRUCTION NOTES: #**
- EXISTING GUARD RAILING TO REMAIN. RE: DETAIL 10/A3 FOR ATTACHMENT TO NEW BUILDING.
 - EXISTING MASONRY COLUMNS TO REMAIN FOR ATTACHMENT OF NEW EXTERIOR WALL. PROVIDE SELF LEVELING CONCRETE GAP ON EXISTING CONCRETE FLOOR.
 - 6" METAL STUDS (20 GAGE) FRAMING AT 16" O.C. WITH R-14 BATT INSULATION, 5/8" TYPE 'X' GYPSUM BOARD (INTERIOR), 3/8" DENSGLAS FIREGUARD SHEATHING AND 3" STUCCO WITH BUILDING WRAP AND WIRE MESH (EXTERIOR).
 - 3/8" METAL STUD (20 GAGE) FRAMING @ 16" O.C. WITH 5/8" TYPE 'X' GYPSUM BOARD EACH SIDE. 2"x4" STOREFRONT ALUMINUM WINDOW FRAME (COLOR: WHITE MATCH EXISTING) WITH 1" INSULATED GLASS (TEMPERED/MEDIUM BRONZE TINT)
 - NEW FURNACE, RE: MECHANICAL PLANS.
 - NEW ELECTRICAL PANEL, RE: ELECTRICAL PLANS.
 - NEW 1/4 GAGE GALVANIZE SHEET METAL CHASE FOR ELECTRICAL AND MECHANICAL CONDUITS. FASTEN TO EXISTING TUBE STEEL BOTTOM RAIL. RE: DETAIL 11/A3, ALSO ELECTRICAL AND MECHANICAL PLANS.
 - NEW CONDENSING UNIT, RE: MECHANICAL PLANS.

FLOOR PLAN
1/4" = 1' - 0"
NORTH

SCHEDULE OF MATERIALS AND FINISHES

RM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS	RM NO.				
		MAT	FIN	NORTH	EAST	SOUTH	WEST				
100	ENCLOSED PATIO	VCT	RB	MAS	EX	GYP BD	P	ACT	9'-0"	100	
101	STORAGE ROOM			GYP BD	P	GYP BD	P	GYP BD	P	VARIES	101
102	MECHANICAL ROOM			GYP BD	P	GYP BD	P	GYP BD	P	VARIES	102

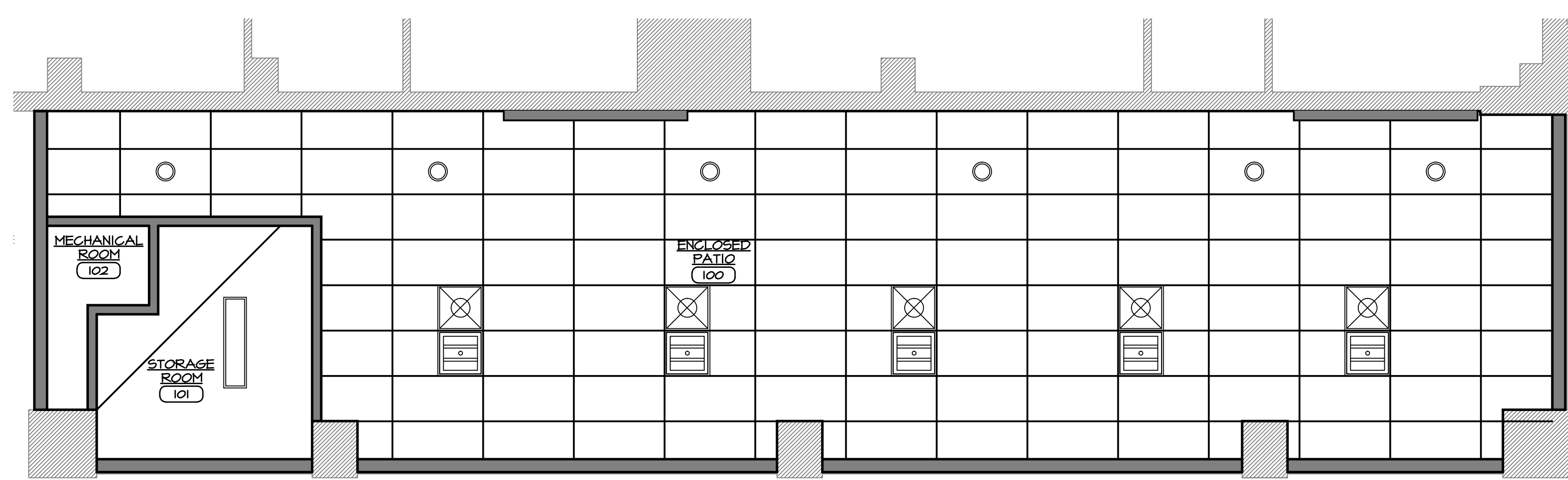
FLOOR: VCT VINYL COMPOSITE TILE 12"x12" ARMSTRONG (EXCELON IMPERIAL)
BASE: RB RUBBER BASE 4"
WALL: GYP BD GYPSUM BOARD 5/8" TYPE 'X'
CEILING: ACT ACOUSTICAL CEILING TILE 24"x48" FISSURED, SQUARE LAY-IN, 1/2" WHITE

- DOOR HARDWARE: #**
- HINGES: (3 PER DOOR) 4.5x4.5 STANDARD BALL BEARING. FINISH : 626.
 - LOCKSET: FALCON T SERIES LEVER (DANE). FINISH : 626. VERIFY KEYING REQUIREMENTS BY OWNER.
 - HEAD AND SILL BOLTS. FINISH : 626.
 - HINGES, LOCKSET AND ALL HARDWARE BY ALUMINUM STOREFRONT SUPPLIER. FINISH : 626.

DOOR SCHEDULE

DOOR MARK	DOOR SIZE	DOOR	FRAME	DETAILS	FIRE LABEL	UPPER GROUP	SWING	REMARKS	DOOR MARK			
		MAT	FIN	HEAD	JAMB	SILL						
100	3'-0"x6'-8"x1 1/2"	I	ALUM.	I	ALUM.	4 / A3	5 / A3	6 / A3	4	100		
101	(2) 3'-0"x6'-8"x1 1/2"	2	WD.	S.	II	H.M.	P.	7 / A3	8 / A3	1, 2, 3	RE: MECH. FOR VENTS	101
102	3'-0"x6'-8"x1 1/2"	3	WD.	S.	III	H.M.	P.	7 / A3	8 / A3	1, 2	102	
EX	EXISTING											EX

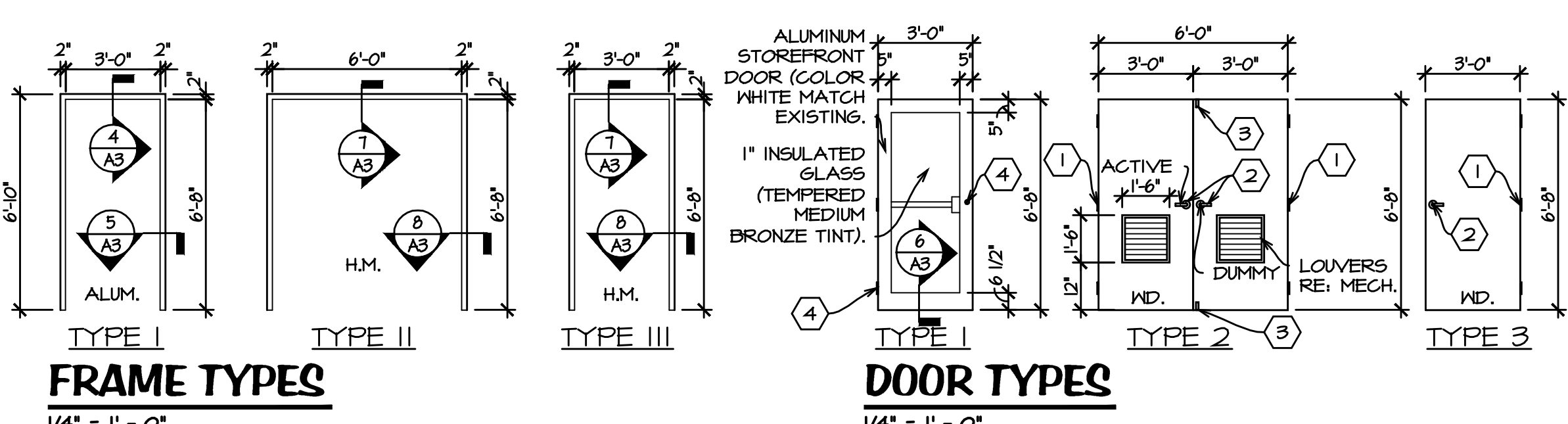
ABBREVIATIONS: ALUM. ALUMINUM, H.M. HOLLOW METAL, WD. WOOD, P. PAINT, S. STAIN



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

- LEGEND**
- 6" RECESSED LED LIGHT FIXTURE RE: ELECTRICAL
 - 4" NARROW LED LIGHT FIXTURE RE: ELECTRICAL
 - 2"x2' FLUORESCENT LIGHT FIXTURE RE: ELECTRICAL
 - 2"x2' SUPPLY-AIR DIFFUSER RE: MECHANICAL

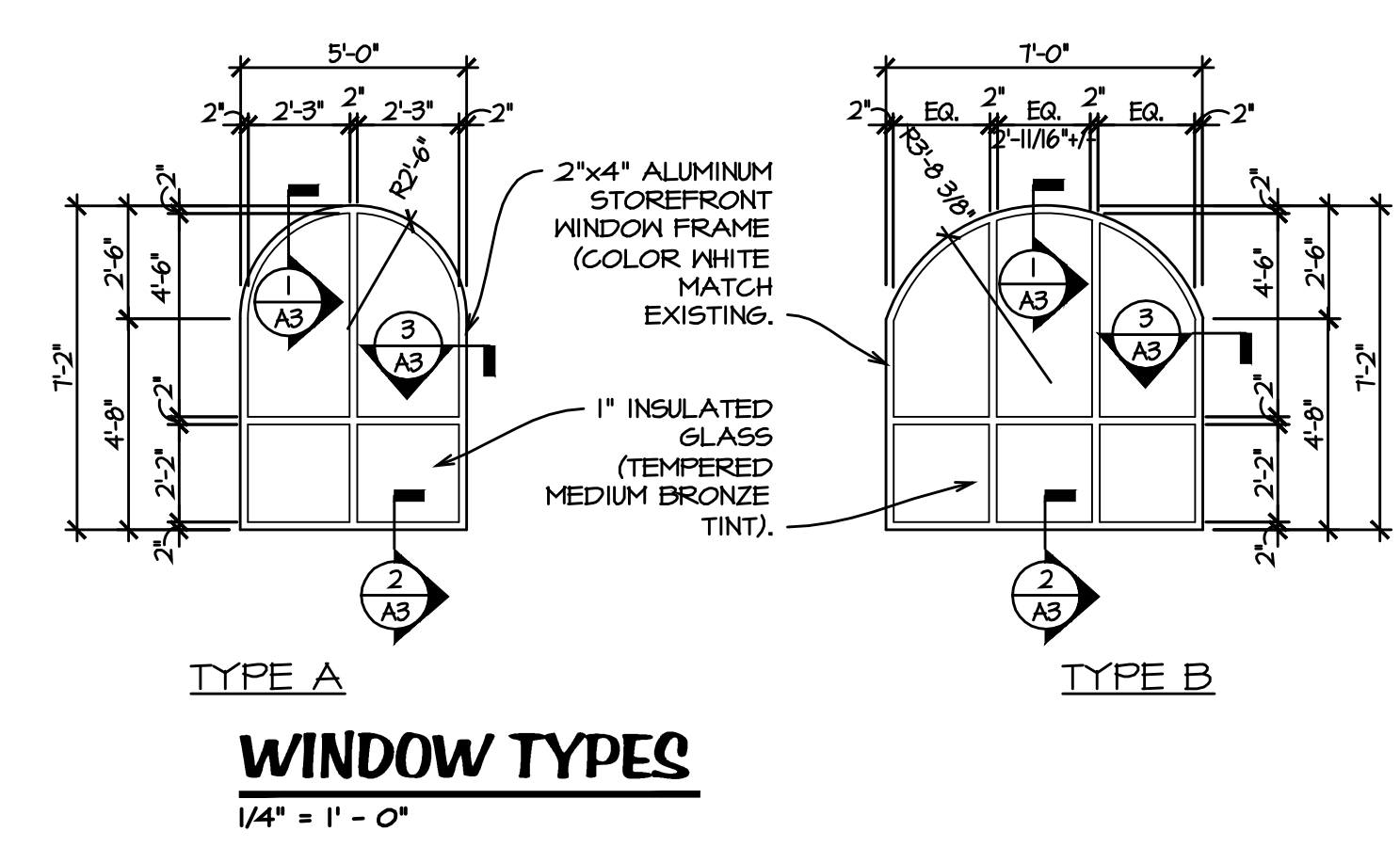
- NOTES:**
- COORDINATE HVAC DIFFUSER AND REGISTER LOCATIONS WITH MECHANICAL PLANS
 - COORDINATE LIGHT FIXTURE PLACEMENT WITH ELECTRICAL PLANS.



WINDOW SCHEDULE

WINDOW MARK	WINDOW SIZE	WINDOW	FRAME	DETAILS	REMARKS	WINDOW MARK					
		TYPE	GLAZING	MAT	FIN	HEAD	JAMB	SILL	MULL		
A	5'-0"x1'-2"	A	TEMP.	ALUM.		1 / A3	3 / A3	2 / A3		1" INSULATED TEMPERED GLASS	A
B	7'-0"x7'-2"	B	TEMP.	ALUM.		1 / A3	3 / A3	2 / A3		1" INSULATED TEMPERED GLASS	B
EX	EXISTING										

ABBREVIATIONS: TEMP. TEMPERED, ALUM. ALUMINUM, INSUL. INSULATED



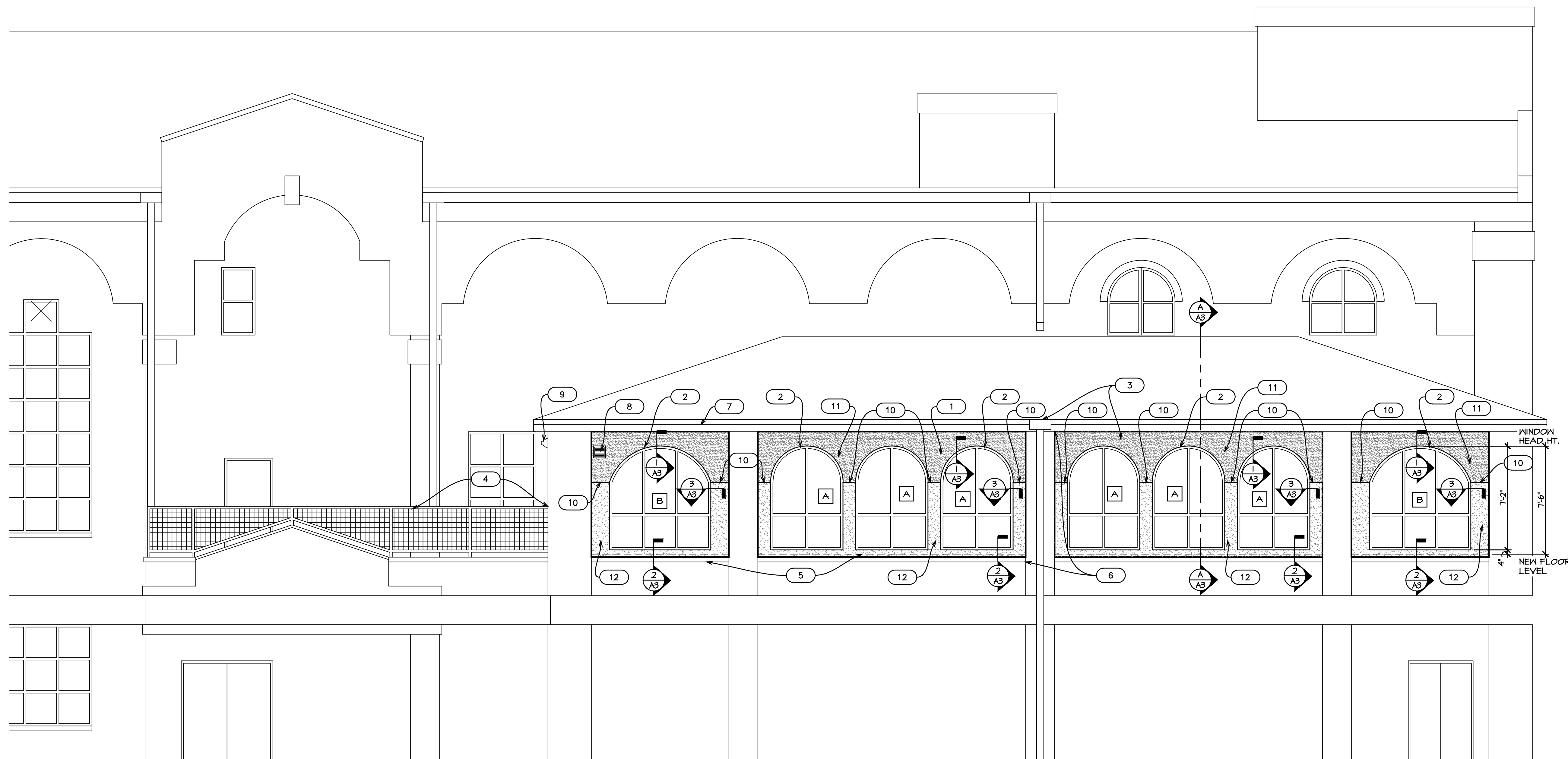
SRDA BALCONY ENCLOSURE

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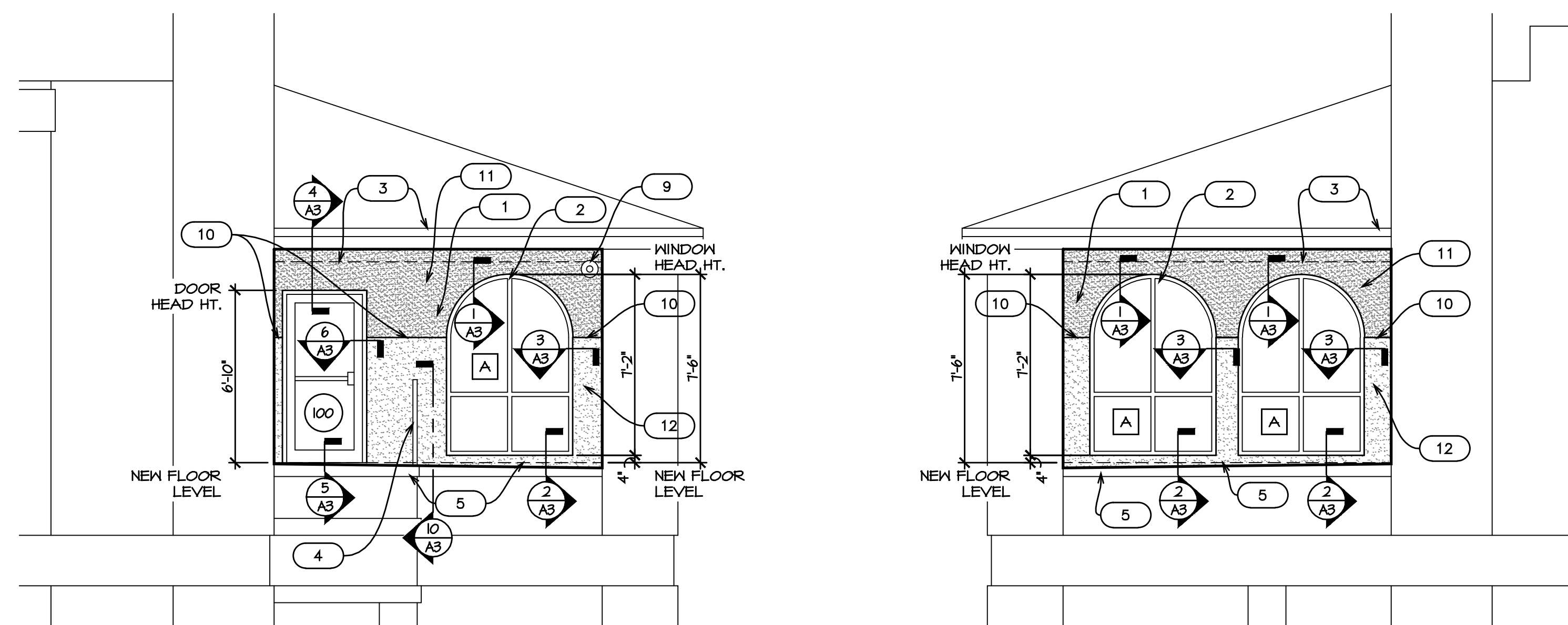
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FLOOR PLAN
REFLECTED
CEILING PLAN
& SCHEDULES
A1



SOUTH ELEVATION
 1/4" = 1' - 0"

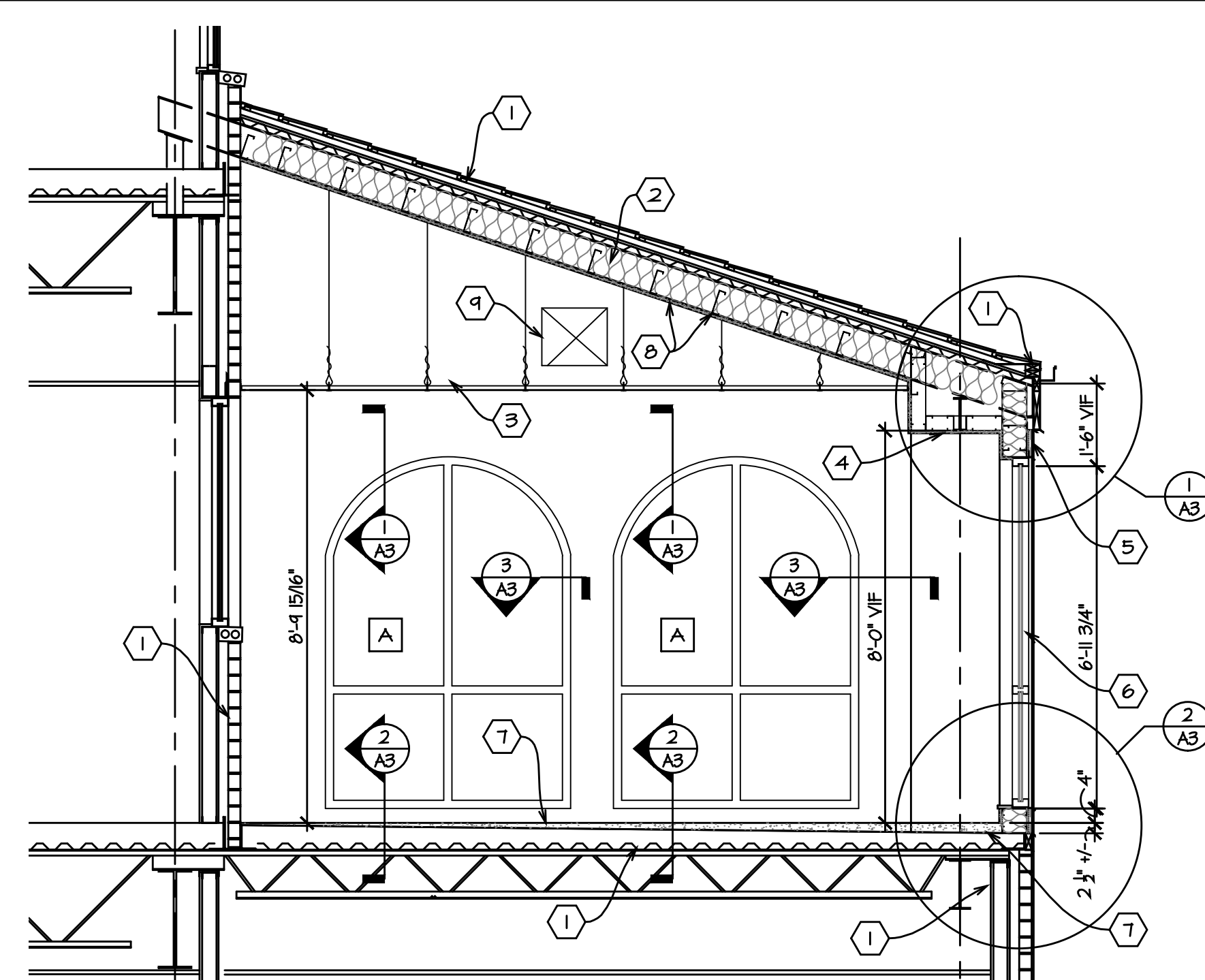


WEST ELEVATION
 1/4" = 1' - 0"

EAST ELEVATION
 1/4" = 1' - 0"

EXTERIOR ELEVATION NOTES: #

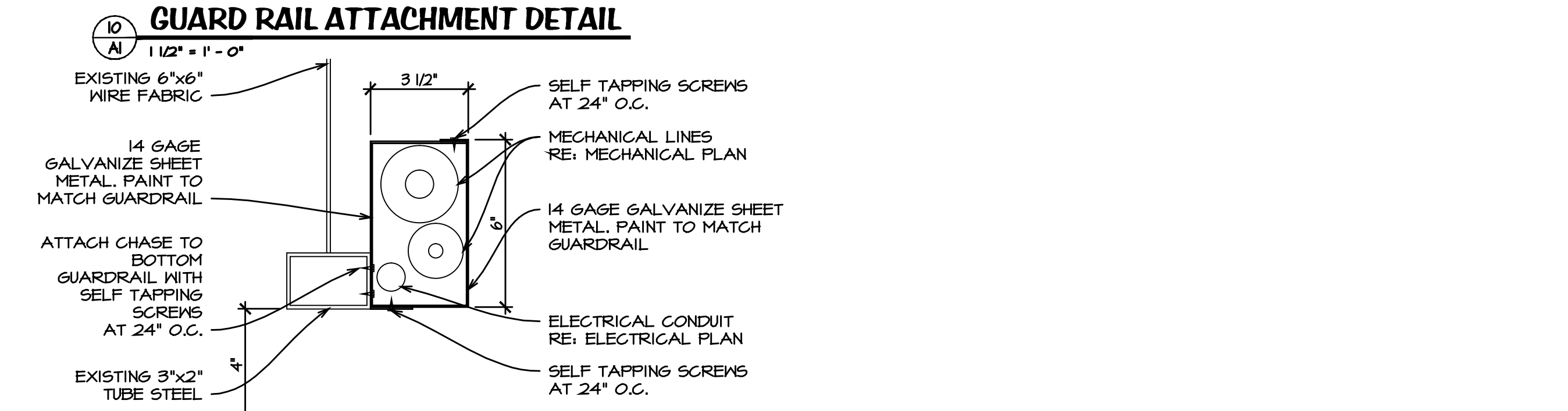
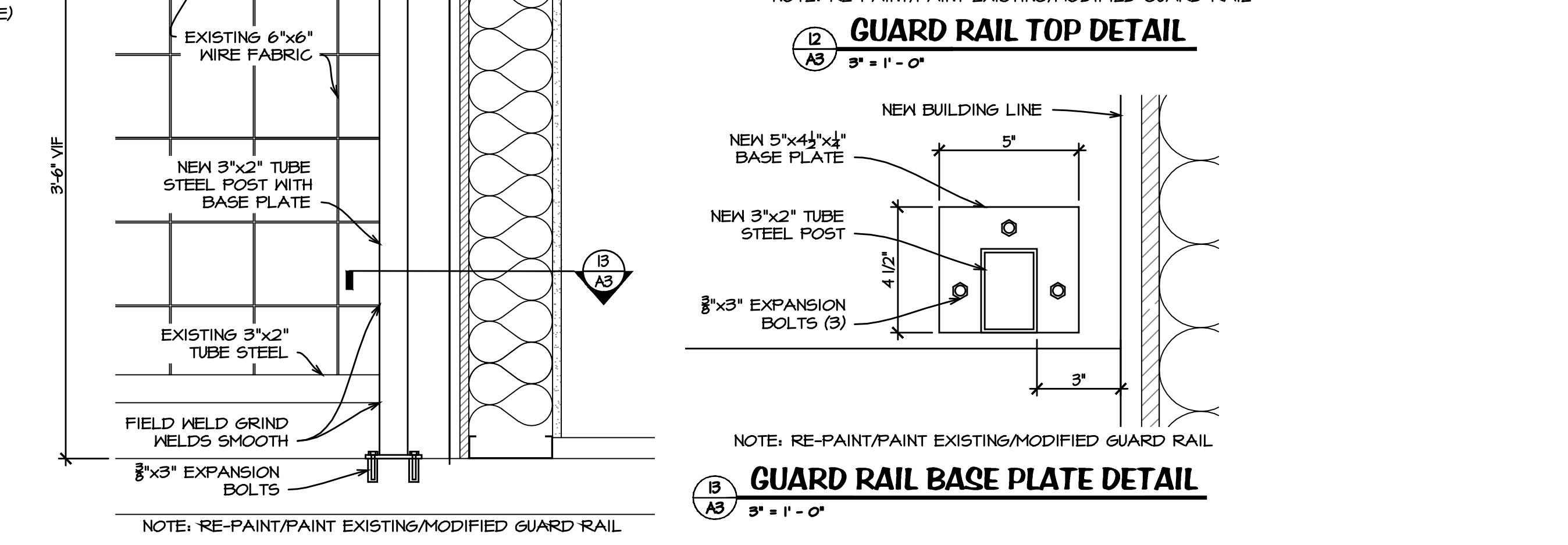
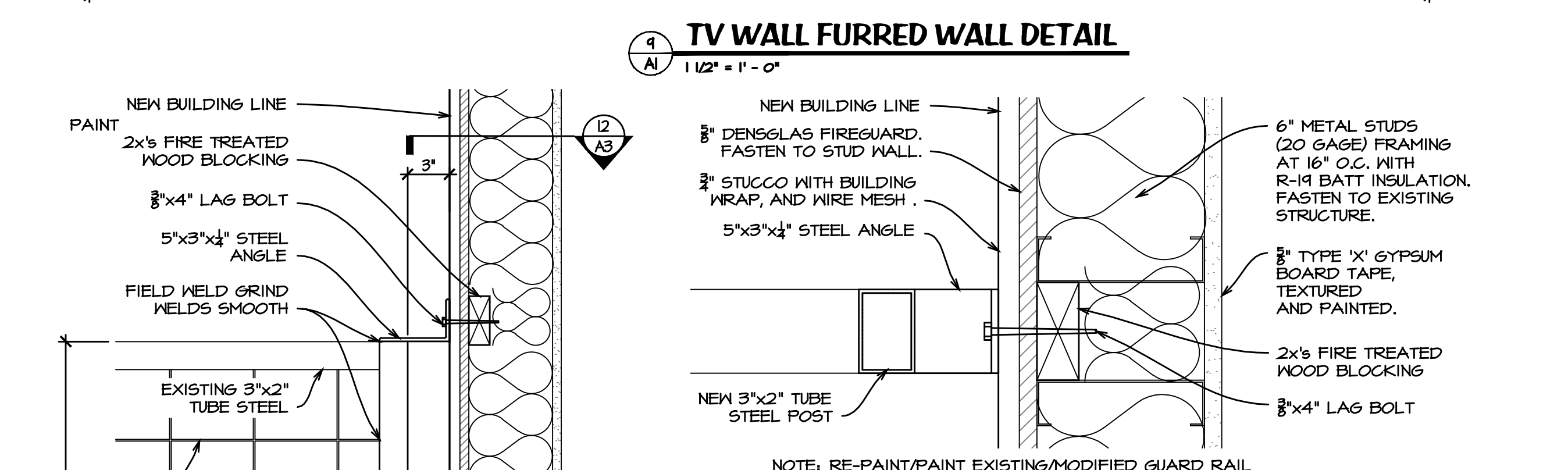
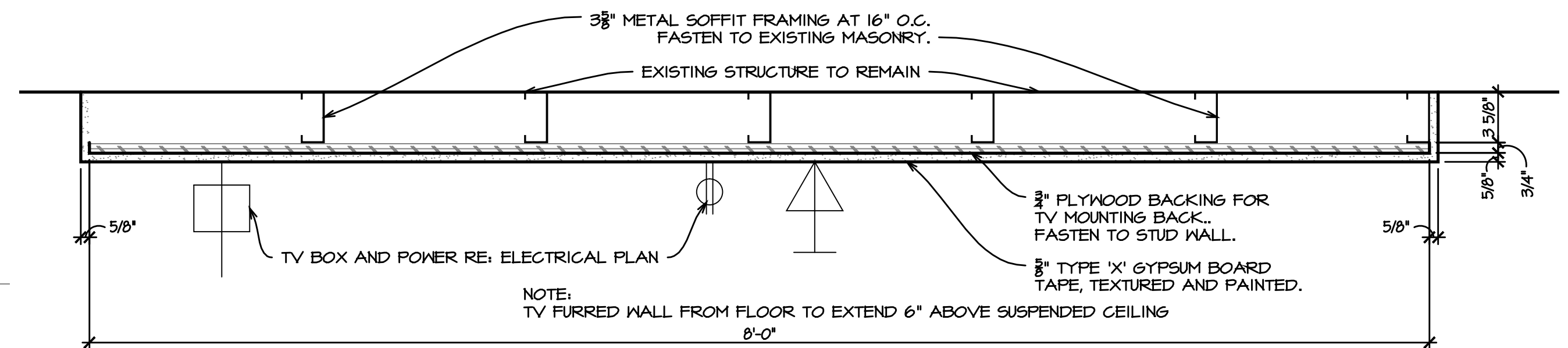
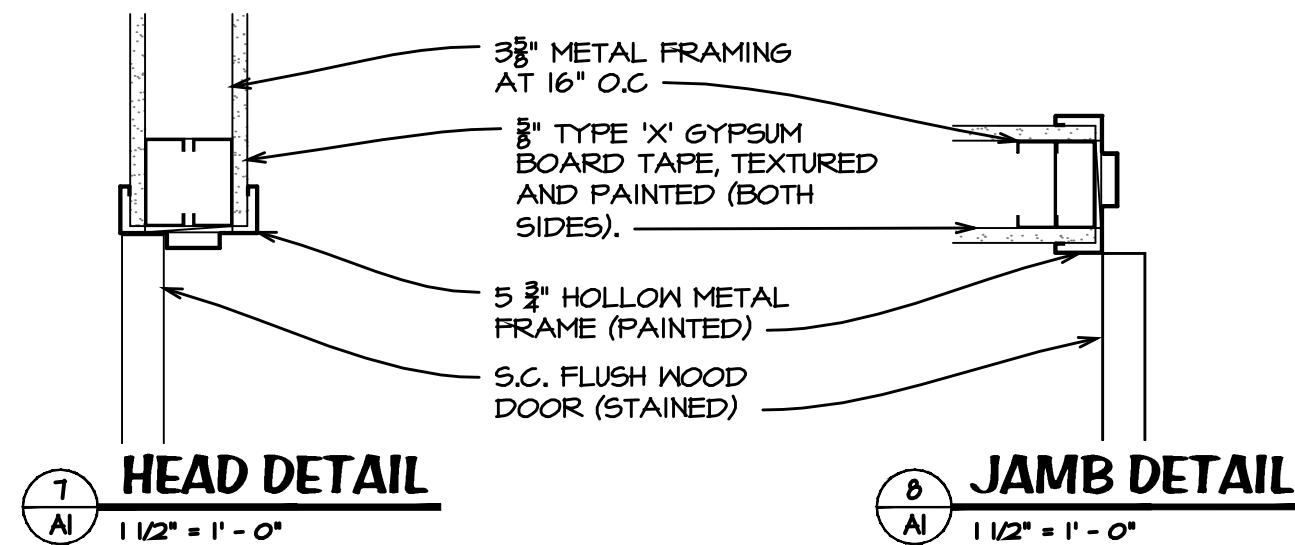
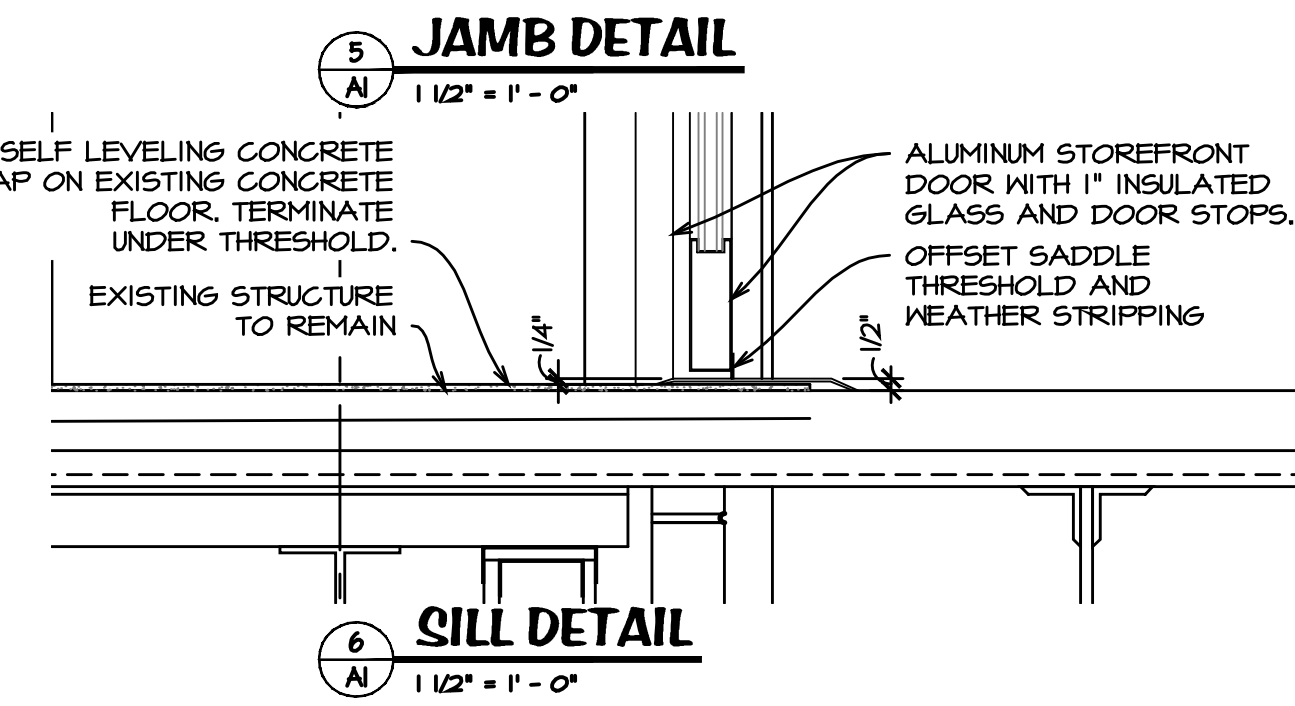
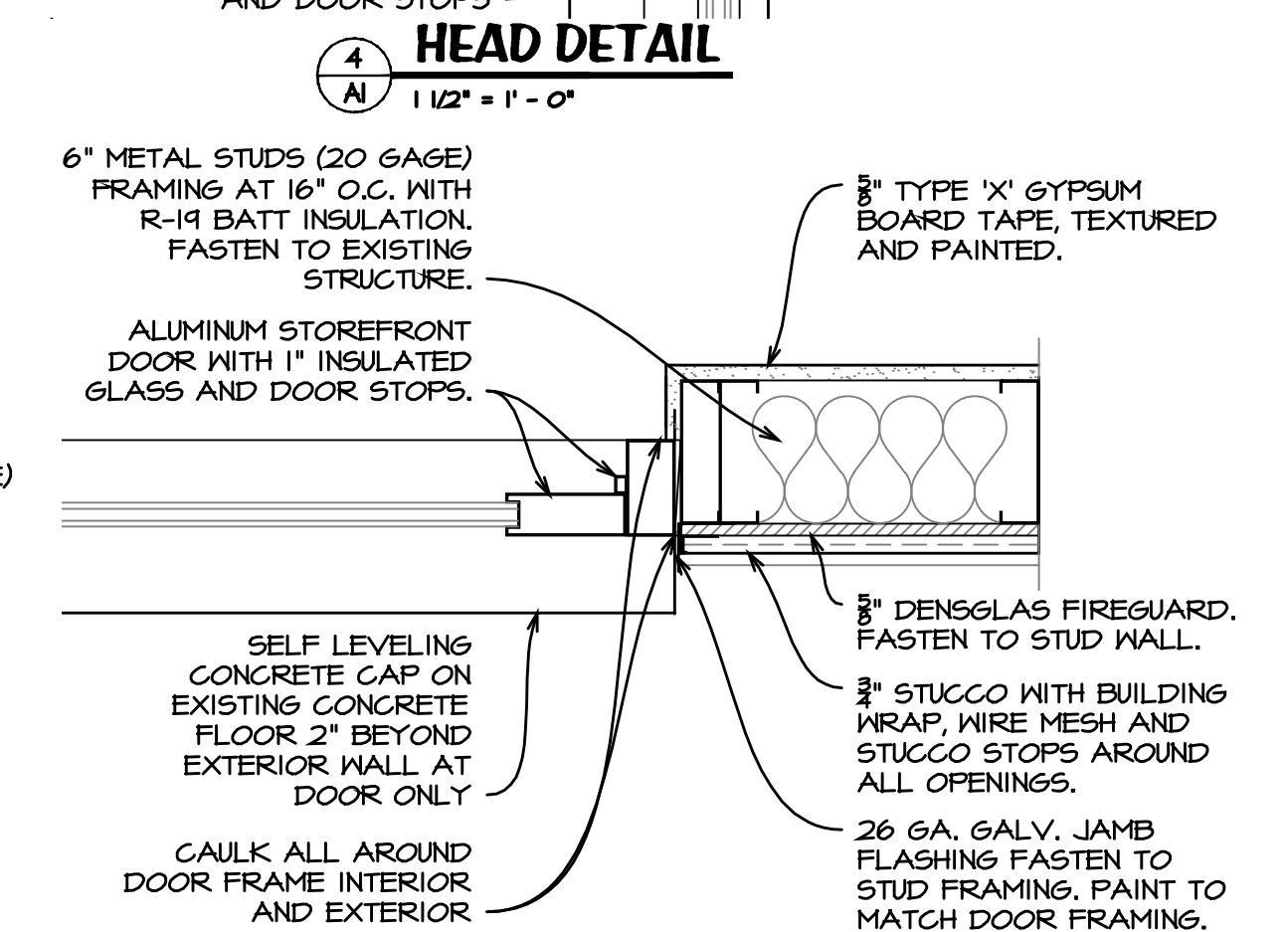
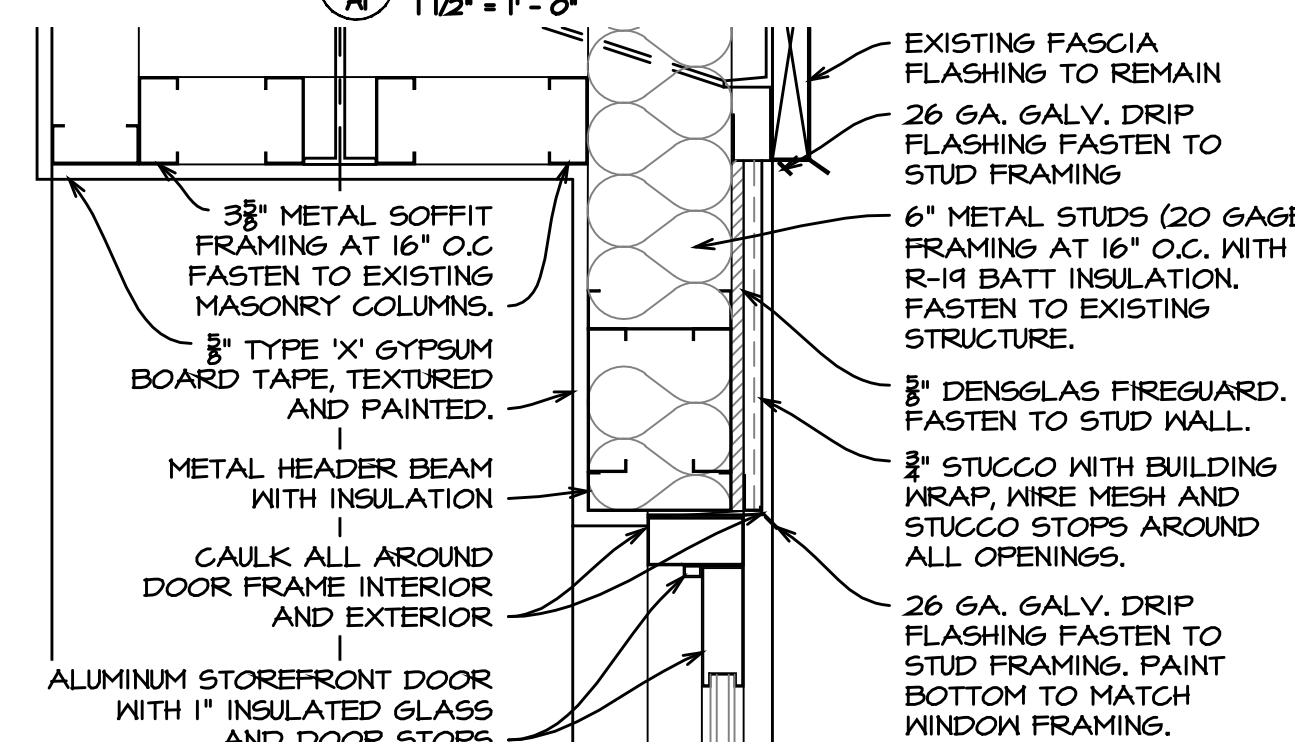
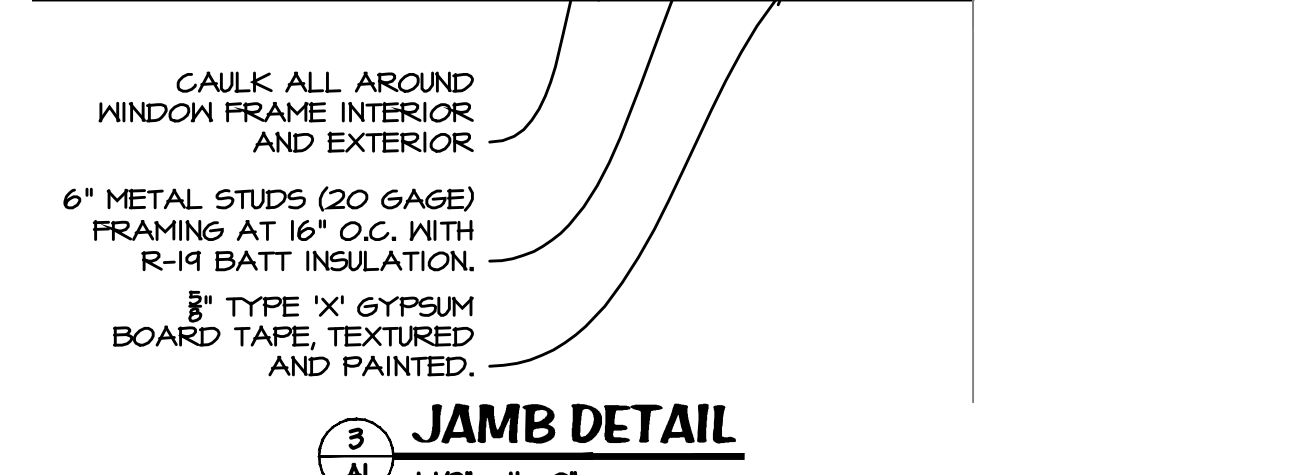
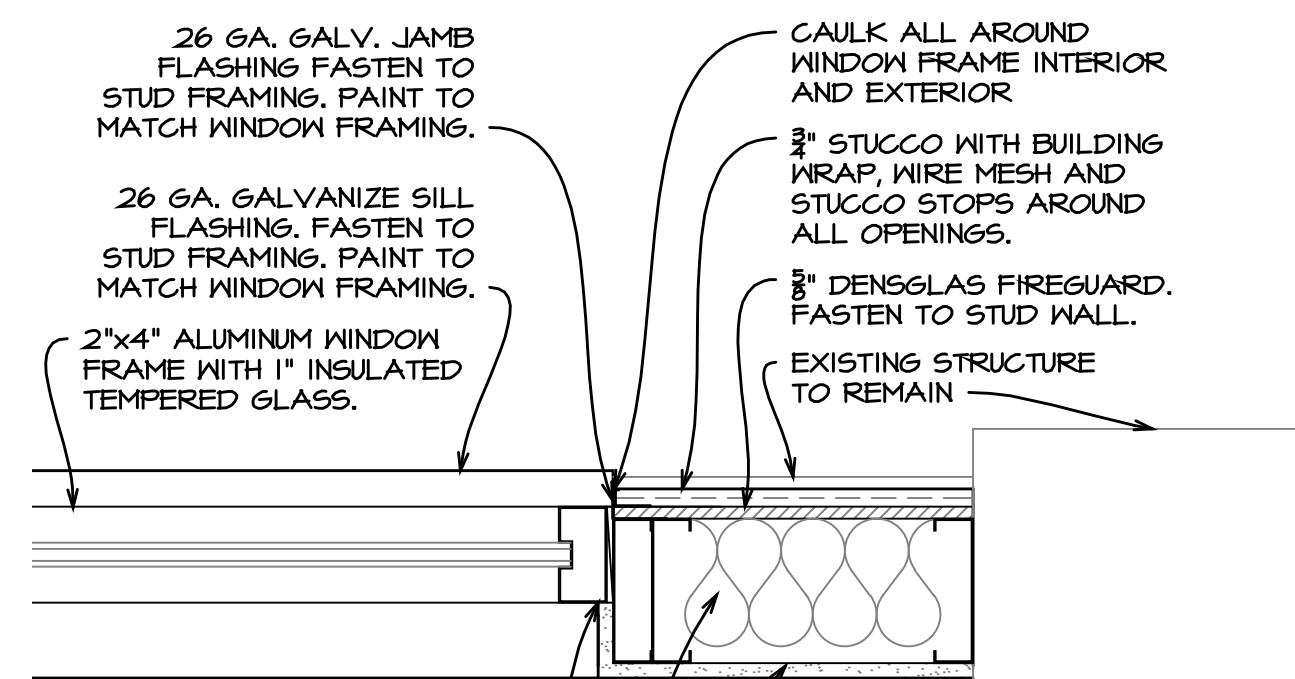
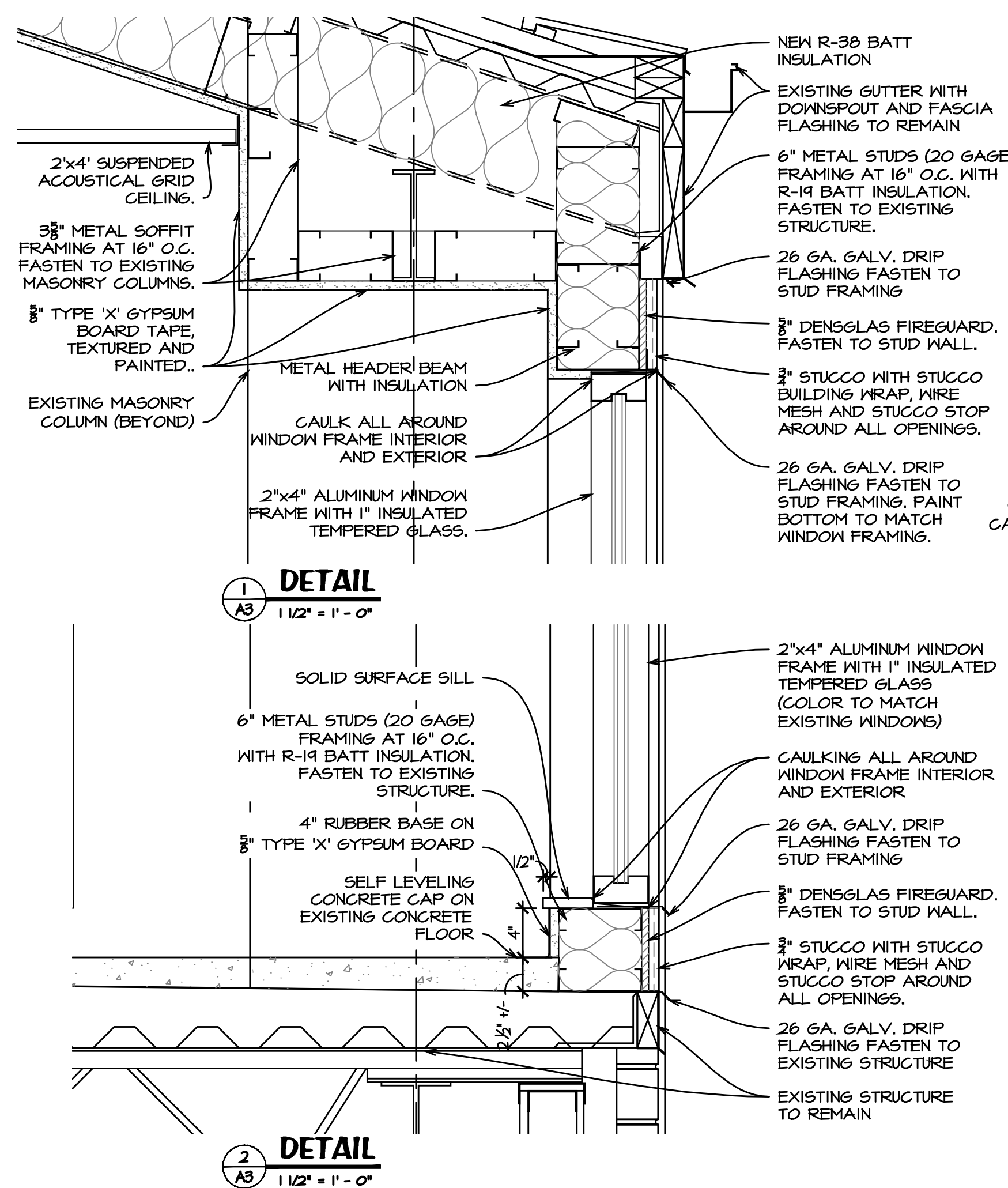
1. 6" METAL STUDS (20 GAGE) FRAMING AT 16" O.C. WITH R-19 BATT INSULATION, 5/8" TYPE 'X' GYPSUM BOARD (INTERIOR), 5/8" DENSGLAS FIREGUARD SHEATHING AND 3/8" STUCCO WITH BUILDING WRAP AND WIRE MESH (EXTERIOR).
2. 2"x4" ALUMINUM WINDOW FRAME WITH 1" INSULATED TEMPERED GLASS (COLOR TO MATCH EXISTING WINDOWS)
3. EXISTING STEEL SUPPORT BEAM, METAL FASCIA AND GUTTER WITH DOWNSPOUT TO REMAIN.
4. EXISTING GUARD RAILING TO REMAIN. RE: DETAIL 10/A3 FOR ATTACHMENT AT NEW EXTERIOR WALL. PREPARE AND RE-PAINT ENTIRE EXISTING GUARD RAILING.
5. EXISTING BASE FLASHING AND CONCRETE FLOOR TO REMAIN. PROVIDE NEW LIGHT WEIGHT LEVELING CONCRETE CAP ON EXISTING CONCRETE FLOOR.
6. REPAIR AS REQUIRED (FIELD VERIFY) EXISTING BRICK COLUMN AT EXISTING FLOOR AND ROOF.
7. REPAIR AS REQUIRED LEAK IN EXISTING GUTTER (FIELD VERIFY).
8. MECHANICAL FRESH AIR INTAKE, RE: MECHANICAL PLANS. PAINT COVER TO MATCH STUCCO COLOR.
9. CONCENTRIC TERMINATION KIT, RE: MECHANICAL PLANS. PAINT EXPOSED KIT TO MATCH STUCCO COLOR.
10. STUCCO CONTROL JOINT.
11. STUCCO COLOR #1
12. STUCCO COLOR #2

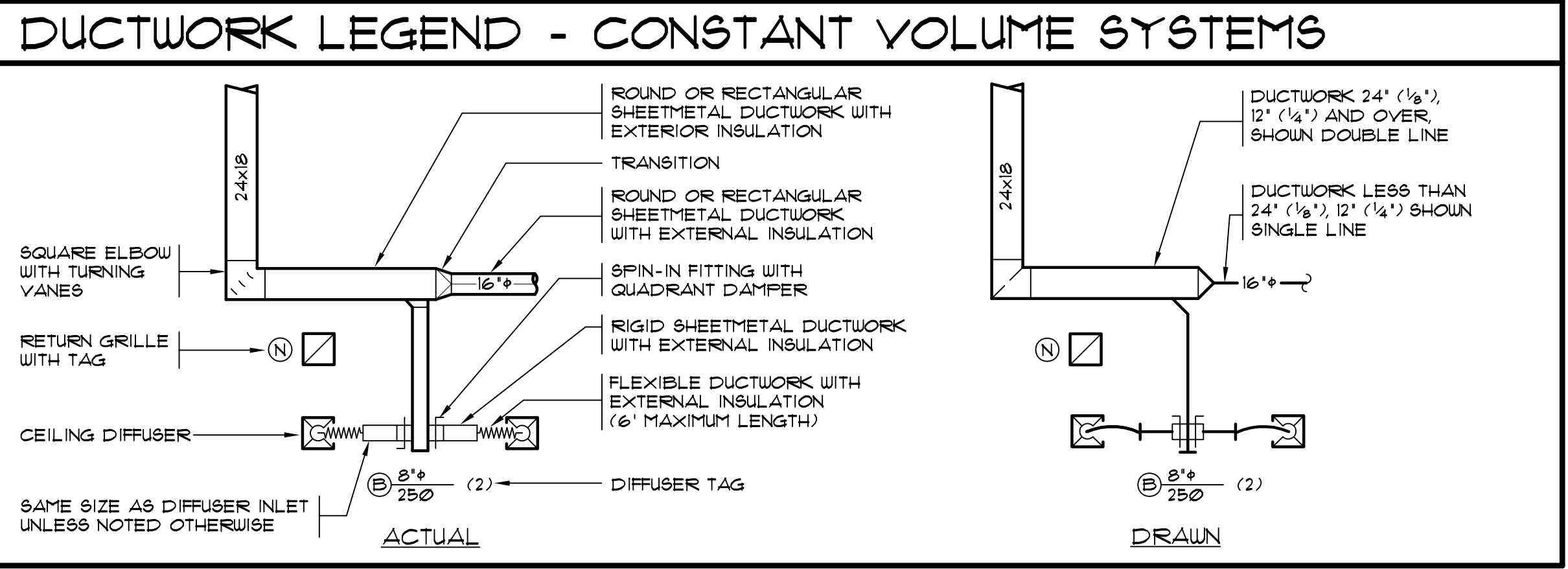


BUILDING CROSS SECTION A-A

3/8" = 1' - 0"

- BUILDING CROSS SECTION NOTES:**
- EXISTING BUILDING STRUCTURE TO REMAIN
 - R-38 BATT INSULATION.
 - 2"x4" SUSPENDED ACOUSTICAL GRID CEILING.
 - 3/8" METAL SOFFIT FRAMING AT 16" O.C. FASTEN TO EXISTING MASONRY COLUMNS. 1/2" TYPE 'X' GYPSUM BOARD TAPE, TEXTURED AND PAINTED.
 - 6" METAL STUDS (20 GAGE) FRAMING AT 16" O.C. WITH R-19 BATT INSULATION, 1/2" TYPE 'X' GYPSUM BOARD (INTERIOR), 3/8" DENSGLAS FIREGUARD SHEATHING AND 3/8" STUCCO WITH BUILDING WRAP, WIRE MESH AND STUCCO STOPS AROUND ALL OPENINGS. (EXTERIOR).
 - 2"x4" ALUMINUM WINDOW FRAME WITH 1" INSULATED TEMPERED GLASS (COLOR TO MATCH EXISTING WINDOWS).
 - SELF LEVELING CONCRETE CAP ON EXISTING CONCRETE FLOOR.
 - 6" METAL JOIST (20 GAGE) AT 16" O.C. FASTEN TO EXISTING STRUCTURAL BEAMS. 1/2" TYPE 'X' GYPSUM BOARD TAPE JOINTS.
 - HVAC SUPPLY DUCT RE: MECHANICAL PLANS.





LEGEND (NOT ALL ITEMS WILL BE USED)

ABBR	SYMBOL	DESCRIPTION
		UNION, FLANGE, BLIND FLANGE
		SOV GATE VALVE, BALL VALVE, GLOBE VALVE, BUTTERFLY VALVE
		CHECK VALVE, STRAINER
		BALANCING VALVE, CALIBRATED, DYNAMIC BALANCING VALVES
		LUBRICATED PLUG VALVE, PRESSURE REDUCING VALVE
		PIPE ELBOW DOWN, PIPE TEE DOWN, PIPE TEE UP, PIPE ELBOW UP
		PIPE ANCHOR, PIPE GUIDE, PIPE SLEEVE
		FLEX CONNECTION, PIPE EXPANSION JOINT
		SQUARE DUCT ELBOW WITH TURNING VANES
		DOWN AND BACK UP UNDER BEAM OR OBSTACLE
		SUPPLY AIR, RETURN/OUTSIDE AIR AND EXHAUST AIR
		DUCTWORK UNLINED AND DUCTWORK LINED
		FLEXIBLE AND RIGID ROUND DUCT
		DUCTWORK TO BE REMOVED
		FIRE, SMOKE, COMBINATION FIRE AND SMOKE, RADIATION SMOKE AND RADIATION DAMPERS
		BAROMETRIC, MOTORIZED AND MANUAL DAMPERS, SMOKE DETECTOR
T, H, SD, NO, CO, C2		THERMOSTAT, HUMIDISTAT, SMOKE DETECTOR, NITROGEN DIOXIDE SENSOR, CARBON MONOXIDE OR CARBON DIOXIDE SENSOR
		WORK NOTE I, REVISION NO. I, DEMOLITION NOTE I, POINT OF CONNECTION
		SUPPLY AIR, RETURN AIR/EXHAUST AIR/OUTSIDE AIR FLOW ARROWS
		SECTION A ON SHEET M-1 DIAGRAM I ON SHEET M-1
		EQUIPMENT TYPE EQUIPMENT NUMBER

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

NOTES: 1) STANDARD FACTORY FINISH. 2) VOLUME DAMPER. 3) SEE DRAWINGS FOR NECK SIZE AND AIR QUANTITY.

TAG	MANUF.	MODEL	DESCRIPTION	NOTES
(A)	TITUS	TM6	SUPPLY DIFFUSER, 24x24 LOUVERED FACE, STEEL CONSTRUCTION, CEILING MOUNT	1, 2, 3
(B)	TITUS	350ZR	RETURN GRILLE, LINEAR BAR, 3/4\"/>	

DRAWING INDEX

NUMBER	DRAWING TITLE	REVISIONS									
		PROGRESS	PROGRESS	CONSTRUCTION	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE
M01	DRAWING INDEX, GENERAL NOTES, LEGENDS AND DIAGRAMS	○	○	○							
M11	FLOOR PLAN - HVAC	○	○	○							

● ISSUED FOR CONSTRUCTION
 ○ ISSUED FOR REFERENCE ONLY, NOT FOR CONSTRUCTION

- ### GENERAL NOTES - HVAC
- RESOLVE ALL QUESTIONS OR CONFLICTS WITH ENGINEER BEFORE ANY EQUIPMENT IS ORDERED, MATERIALS FABRICATED OR SYSTEMS INSTALLED.
 - COORDINATE THE INSTALLATION OF MECHANICAL SYSTEMS WITH OTHER TRADES, ESPECIALLY STRUCTURAL, PLUMBING, ELECTRICAL AND ARCHITECTURAL CEILING HEIGHTS.
 - COORDINATE ALL PENETRATIONS THROUGH STRUCTURAL MEMBERS WITH THE GENERAL CONTRACTOR.
 - COORDINATE AND VERIFY THAT ALL OPENINGS IN WALLS ABOVE CEILING / DOOR LOUVERS / DOOR UNDERCUTS ARE PROVIDED AS INDICATED ON THESE DRAWINGS.
 - PROVIDE OFFSETS AS NECESSARY TO ACCOMMODATE STRUCTURE AND OTHER TRADES.
 - ALL BUILDING EXHAUSTS/VENTS TO BE MINIMUM 10'-0" FROM BUILDING VENTILATION INTAKES.
 - SEAL ALL ROOF PENETRATIONS WATERTIGHT WITH SEALANT/CAULKING OR SYSTEM COMPATIBLE WITH ROOFING.
 - ELECTRICAL TO PROVIDE SERVICE OUTLETS WITHIN 25 FEET OF ALL ROOF MOUNTED EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS.
 - INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2009 INTERNATIONAL MECHANICAL CODE, APPLICABLE SECTIONS OF THE UNIFORM BUILDING CODE.
 - INSTALL HAIL GUARDS ON CONDENSING UNITS.
 - INSTALL SHEET METAL COVERS FOR ALL EXPOSED REFRIGERATION PIPING.

- ### DUCT SYSTEM NOTES
- ALL DUCTWORK UNLESS SPECIFICALLY INDICATED SHALL BE GALVANIZED SHEET METAL INSTALLED IN ACCORDANCE WITH THE SMACNA DUCT CONSTRUCTION STANDARDS; DIMENSIONS SHOWN ARE NET CLEAR INSIDE DIMENSIONS. ALLOWANCES MUST BE MADE FOR DUCT LINER WHERE CALLED FOR.
 - ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCTWORK SHALL HAVE DUCTMATE OR ALL JOINTS SEALED WITH 'HARDCAST' OR EQUAL DUCT SEALER/MASTIC.
 - ALL CONCEALED, ROUND SUPPLY AIR DUCTS 12" AND SMALLER SHALL BE GALVANIZED SHEET METAL SNAP-LOCK. ROUND SUPPLY DUCT GREATER THAN 12" SHALL BE GALVANIZED SHEET METAL SPIRAL. PROVIDE 1" FIBERGLASS INSULATION WRAP. INSULATED FLEXIBLE DUCT MAY BE USED FOR THE CONNECTION TO THE AIR OUTLET PROVIDED THE LENGTH OF THE FLEXIBLE DUCT DOES NOT EXCEED 6' LINEAR FEET.
 - FACTORY MADE AIR DUCTS SHALL CONFORM TO UL 181 AND INCLUDE APPROPRIATE LABEL. FLEXIBLE DUCTWORK SHALL BE APPROVED CLASS 0 OR CLASS 1.
 - ALL BRANCH DUCT CONNECTIONS TO AIR OUTLETS, AIR INLETS, VARIABLE VOLUME TERMINALS AND BOXES SHALL BE THE SAME SIZE AS THE DEVICE NECK UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 - ALL DUCTWORK WITH THE EXCEPTION OF EXHAUST DUCTWORK SHALL BE WRAPPED WITH 1/2" FIBERGLASS INSULATION.
 - DUCT HANGERS SHALL BE A MINIMUM 1/2"x26 GAUGE GALVANIZED STEEL.
 - PROVIDE SINGLE THICKNESS TURNING VANES IN ALL SQUARE AND RECTANGULAR ELBOUS IN SUPPLY, RETURN AND GENERAL EXHAUST SYSTEMS.

FURNACE SCHEDULE

NOTES: 1) HEAVY GAUGE ALUMINIZED STEEL HEAT EXCHANGER. 2) PROGRAMMABLE THERMOSTAT. 3) 10 YEAR COMMERCIAL WARRANTY ON HEAT EXCHANGER. 4) UP FLOW. 5) DIRECT VENT. CONDENSING FURNACE. 6) CATEGORY IV VENTING. 7) AFUE 92.1.

TAG	MANUF.	MODEL	COOLING COIL	INPUT MBH	AIR QUANTITY IN CFM		AIRSIDE ΔT	ESP "/>				
					OA	SA						
FU-01	TRANE	TUX1B00A9H3B	CC-01	80	60	1150	58	0.6	115/1	1/2	150	1, 2, 3, 4, 5, 6, 7

COOLING COIL SCHEDULE

NOTES: 1) PROVIDE IN CABINET CASE, MATCHED TO FURNACE SIZE. 2) PROVIDE LINE SETS OF ADEQUATE SIZE AND CONFIGURATION FOR FURNACE/COIL AND CONDENSING UNIT LOCATION. CONFIRM LINE SET SIZE WITH MANUFACTURER. 3) PROVIDE P-TRAP FOR CONDENSATE. SLOPE DRAIN A MINIMUM 1/4" PER FOOT. ROUTE TO BASEMENT DRAIN.

TAG	MANUF.	MODEL	SERVES	CFM	TONS	WEIGHT (LBS)	NOTES
CC-01	TRANE	4TXCB036BC3HC	CU-01	1200	3	50	1, 2, 3, 4

CONDENSING UNIT SCHEDULE

NOTES: 1) REFRIGERANT LINE FILTER/DRYER. 2) R-410A. 3) RUN REFRIGERANT LINES ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

TAG	MANUF.	MODEL	SERVICE	NOMINAL TONS	VOLTS/PH	MCA	MOCP	WEIGHT (LBS)	NOTES
CU-01	TRANE	4TTA3036A1	FU-01	3	230/3	15	25	230	1, 2, 3

CONSULTANTS:



SRDA BALCONY ENCLOSURE
for

230 N. Union Avenue
Pueblo, CO 81003

STAMP:

ISSUE RECORD:
Construction Documents 10-10-17

PROJECT NUMBER: 2015-24
DRAWN BY:
REVIEWED BY:

Dwg Index, Gen.
Notes, Legends &
Diagrams

M0.1

20151257.00_M01.dwg
 10/12/2017
 DRAWING LIMITS: 36x24
 DRAWING SIZE: 36x24
 PLOT SCALE: 1:1
 DRAWING NO: 20151257.00_M01



830 N. MAIN ST., SUITE 140 • PUEBLO, CO 81003
719-696-8249 (O)

SRDA BALCONY ENCLOSURE
for
230 N. Union Avenue
Pueblo, CO 81003

STAMP:

ISSUE RECORD:
Construction Documents 10-10-17

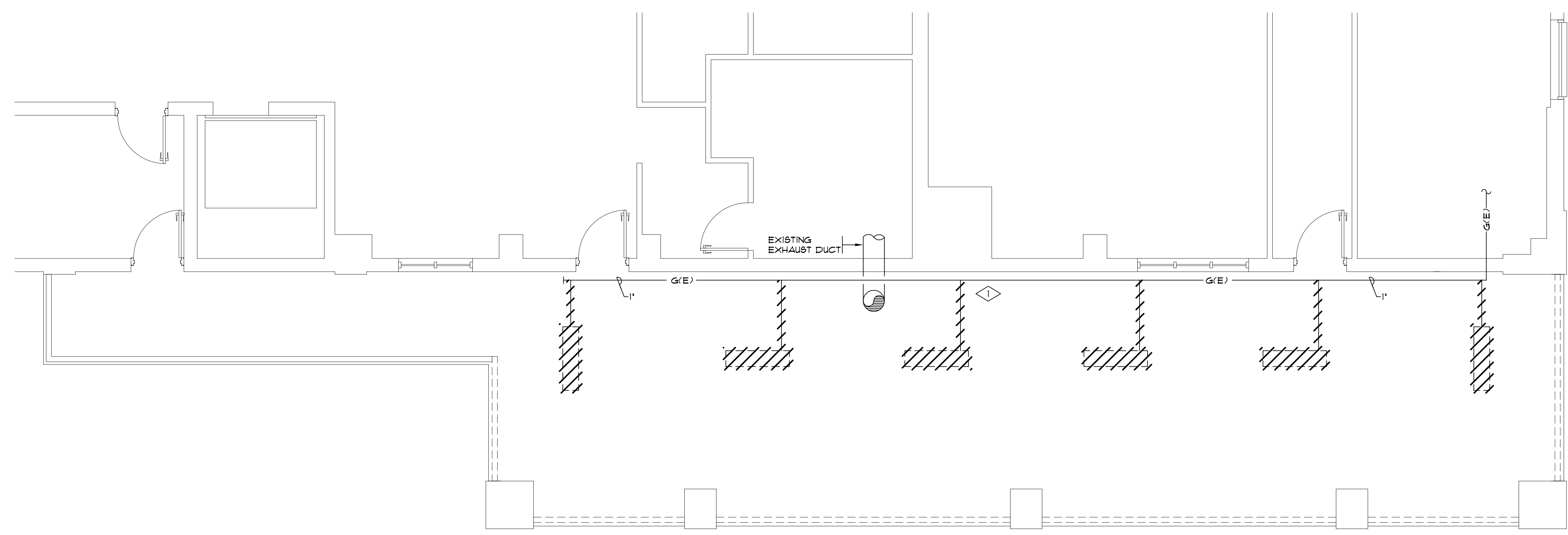
PROJECT NUMBER: 2015-24
DRAWN BY:
REVIEWED BY:

Floor Plan - HVAC

M1.1

DEMO NOTES (THIS SHEET ONLY)

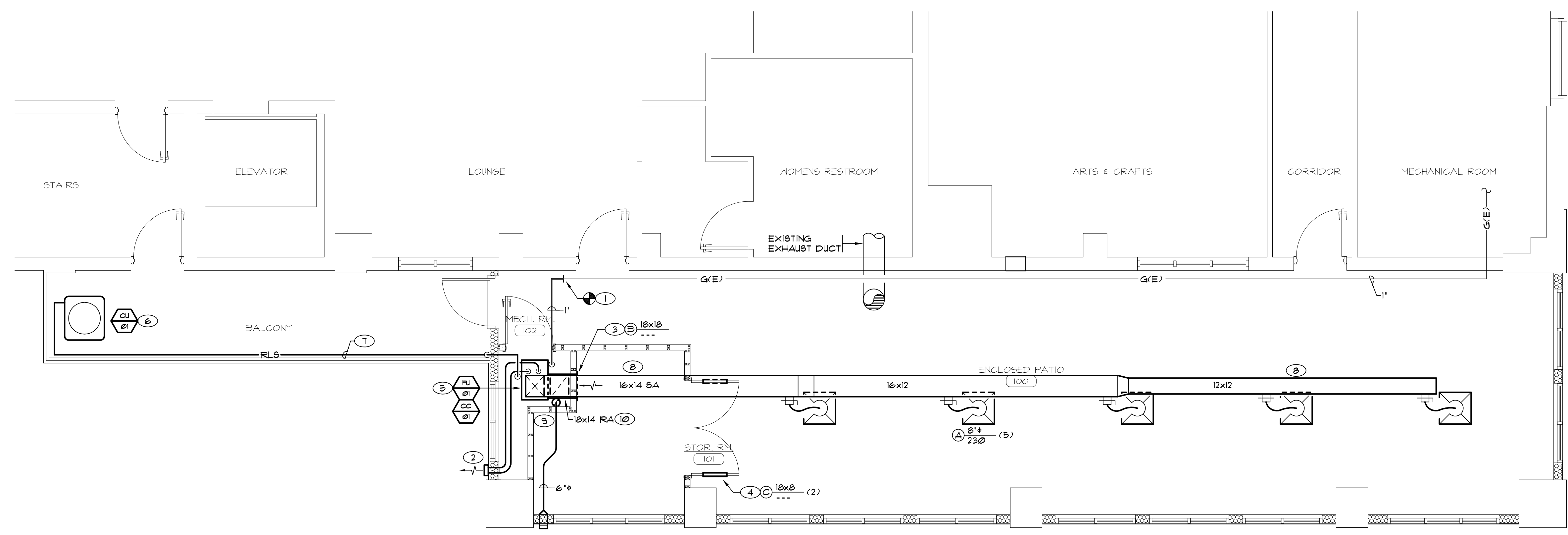
- ◇ DEMO GAS FIRED RADIANT HEATERS AND CAP BRANCH GAS LINES AT THE MAIN RUN. EACH HEATER IS 20 MBH. THIS IS A TOTAL OF 120 MBH.



FLOOR PLAN - HVAC DEMO
SCALE: 1/4" = 1'-0"

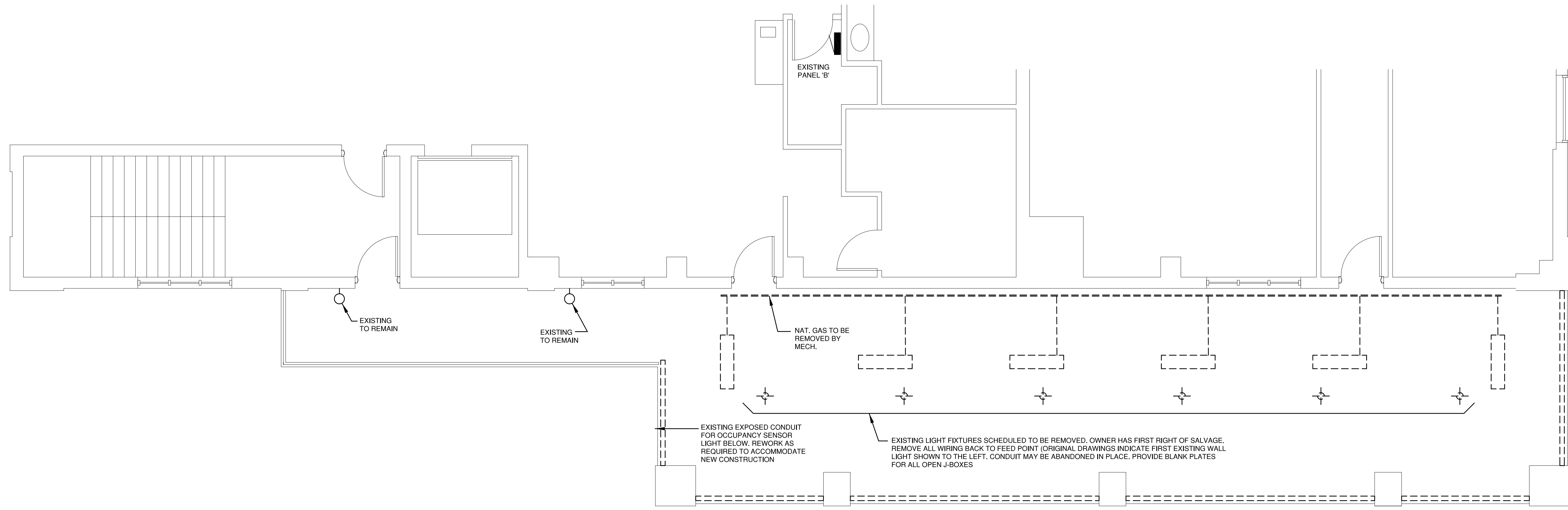
WORK NOTES (THIS SHEET ONLY)

- 1 CONNECT 1" GAS LINE TO EXISTING 1" GAS LINE. INSTALL ISOLATION VALVE, UNION AND DRIP LEG IMMEDIATELY UPSTREAM OF FURNACE. (SINCE THE EXISTING GAS LINE SERVED 120 MBH AND THE NEW GAS LINE IS A SIMPLE EXTENSION, THE 1" GAS LINE IS SUFFICIENT FOR THE 80 MBH FURNACE).
- 2 RUN 3" COMBUSTION AIR AND EXHAUST FLUE TO WEST WALL AS SHOWN. PENETRATE HIGH WITH CONCENTRIC TERMINATION KIT.
- 3 LOCATE APPROXIMATELY 12" AFF.
- 4 LOCATE LOUVERS 12" ABOVE BOTTOM OF DOORS.
- 5 RUN 3/4" CONDENSATE DRAIN TO FLOOR BELOW AND DAY LIGHT.
- 6 ANCHOR TO BALCONY.
- 7 RUN REFRIGERATION LINE SET ALONG BALCONY FLOOR. INSULATE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. ANCHOR USING CUSH CLAMPS. SEE ARCHITECTURAL DRAWINGS FOR ENCLOSURE TO PROTECT PIPING.
- 8 WRAP DUCTWORK WITH 1 1/2" OF FIBERGLASS WITH AN EXTERNAL VAPOR BARRIER.
- 9 CONNECT 6" OA DUCT TO RA DUCT. RUN HIGH ABOVE THE CEILING TO EXTERIOR WALL. WALL PENETRATION TO BE 8"x8" WITH A WEATHER PROOF LOUVER ON EXTERIOR SIDE. SEE ARCHITECTURAL DRAWINGS.
- 10 TURN RA DUCT DOWN TO CONNECT TO FURNACE RA OPENING. PROVIDE DISPOSABLE FILTER IN RA DUCTWORK.

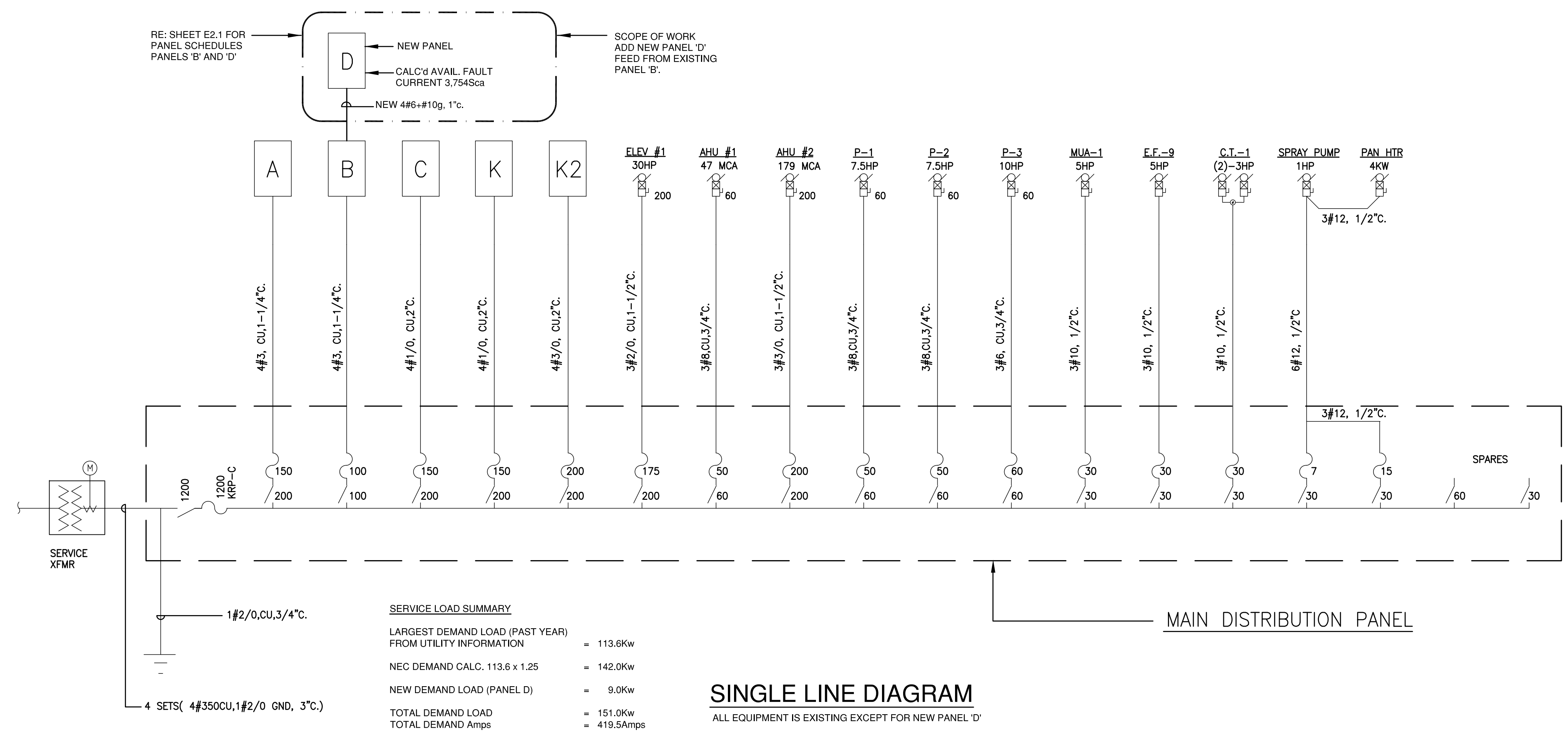


FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"

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 10/12/2017
 DRAWING LIMITS: 36x24
 DRAWING SIZE: 36x24
 PLOT SCALE: 1/4"
 DRAWING NO: 20151257.00 M1.1



Electrical Demolition Plan
 SCALE: 1/4" = 1' - 0"
 0 2' 4' 8'



SERVICE LOAD SUMMARY

LARGEST DEMAND LOAD (PAST YEAR) FROM UTILITY INFORMATION	= 113.6kw
NEC DEMAND CALC. 113.6 x 1.25	= 142.0kw
NEW DEMAND LOAD (PANEL D)	= 9.0kw
TOTAL DEMAND LOAD	= 151.0kw
TOTAL DEMAND Amps	= 419.5Amps

SINGLE LINE DIAGRAM
 ALL EQUIPMENT IS EXISTING EXCEPT FOR NEW PANEL 'D'

CONSULTANTS:

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 Colorado Springs Co 80905
 Phone (719) 633-2637
 Fax: (719) 633-3465
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WEDNER & ASSOCIATES, LLC ARCHITECTURE
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SRDA BALCONY ENCLOSURE
 for
 230 N. Union Avenue
 Pueblo, CO 81003

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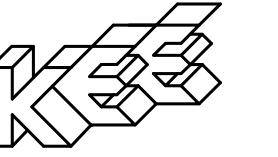
- INDEX TO ELECTRICAL DRAWINGS**
- E0.1 ELECTRICAL DEMOLITION PLAN AND SINGLE LINE DIAGRAM
 - E1.1 LIGHTING PLAN, LIGHTING LEGEND, FIXTURE SCHEDULE AND LIGHTING CONTROLS DIAGRAM
 - E2.1 POWER/IT ROUGH-IN PLAN, POWER SYMBOL LEGEND, PANEL SCHEDULE AND ELECTRICAL SPECIFICATIONS

ISSUE RECORD:

Construction Documents	10-10-17

PROJECT NUMBER: 2015-24
 DRAWN BY: MSK
 REVIEWED BY: LMAK

Elec. Demo.
 Plan and
 Single Line
 Diagram
E0.1



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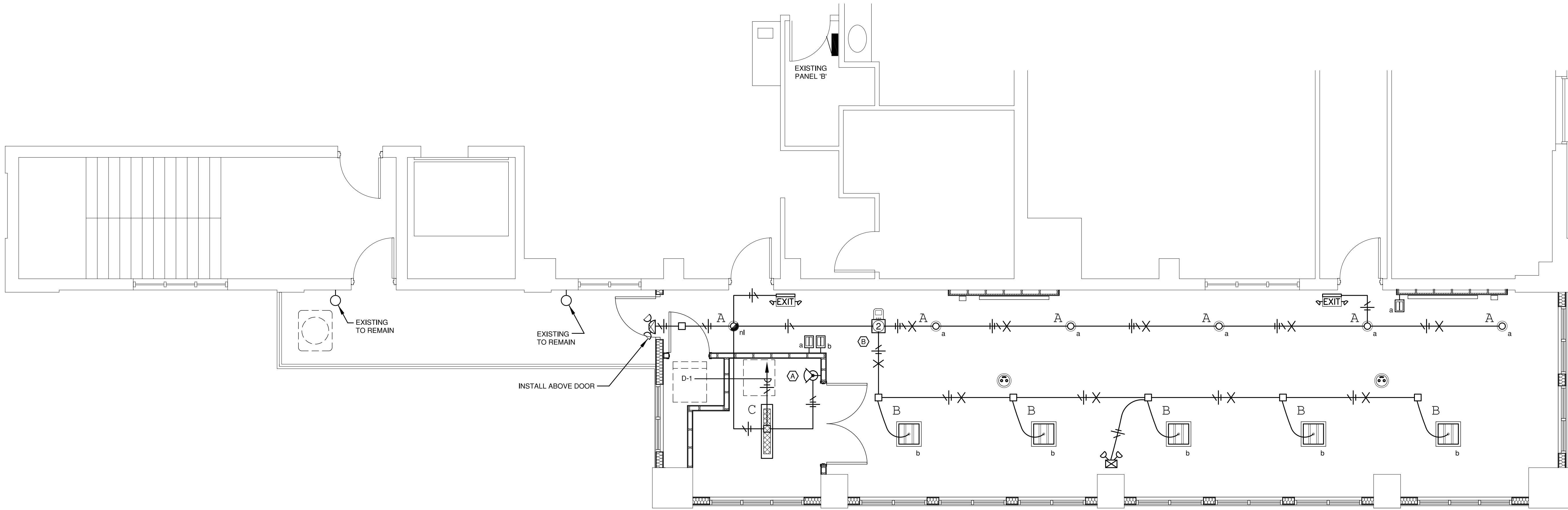
ISSUE RECORD:
Construction Documents 10-10-17

PROJECT NUMBER: 2015-24
DRAWN BY: MSK
REVIEWED BY: LMAK

Lighting Plan
Controls Detail
Lighting Legend
Fixture Schedule

E1.1

Z:\2016\2016.003\2016.003 SRDA Electrical CD 10-10-17.dwg Oct 11, 2017 - 12:41pm



Lighting Plan

SCALE: 1/4" = 1'- 0"
0 2' 4' 8'



LIGHTING DEVICE SYMBOL LEGEND	
SYMBOL	FIXTURE DESCRIPTION
	FLUORESCENT OR LED FIXTURE. UPPER CASE LETTER INDICATES TYPE. LOWER CASE LETTER INDICATES CONTROLLING SWITCH AND NUMBER IS CIRCUIT NUMBER.
	LIGHT FIXTURE WIRED HOT AS NIGHT LIGHT.
	CEILING MOUNTED SELF CONTAINED - EXIT SIGN/EM LIGHT. RE: FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. WIRE AHEAD OF LOCAL SWITCH OR TO HOT CIRCUIT INDICATED.
LINE VOLTAGE SWITCH	
	WALL MOUNTED 120V DUAL TECHNOLOGY MOTION SENSOR SWITCH WITH MANUAL ON-OFF OPERATION AND ADJUSTABLE TIME DELAY. FLUSH MOUNTED AT + 45" A.F.F. WATTSTOPPER #DW-100 OR APPROVED EQUIVALENT. DEVICE REQUIRES A HOT AND NEUTRAL.
DIGITAL CONTROLS	
	DIGITAL SINGLE BUTTON WALL DIMMER FOR ON/OFF OPERATION WITH LED STATUS, IR TRANSCIEVER AND "PLUG n" GO AUTOMATIC CONFIGURATION. WATTSTOPPER #LMDM-101-X OR APPROVED EQUIVALENT.
	DIGITAL DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR WITH LCD DISPLAY, IR TRANSCIEVER AND "PLUG n" GO AUTOMATIC CONFIGURATION. WATTSTOPPER #LMDC-100 OR APPROVED EQUIVALENT.
	DIGITAL PLENUM RATED RELAY ROOM CONTROLLER/S WITH LED STATUS INDICATOR AND "PLUG n" GO AUTOMATIC CONFIGURATION. RE: WIRING DIAGRAM THIS SHEET.

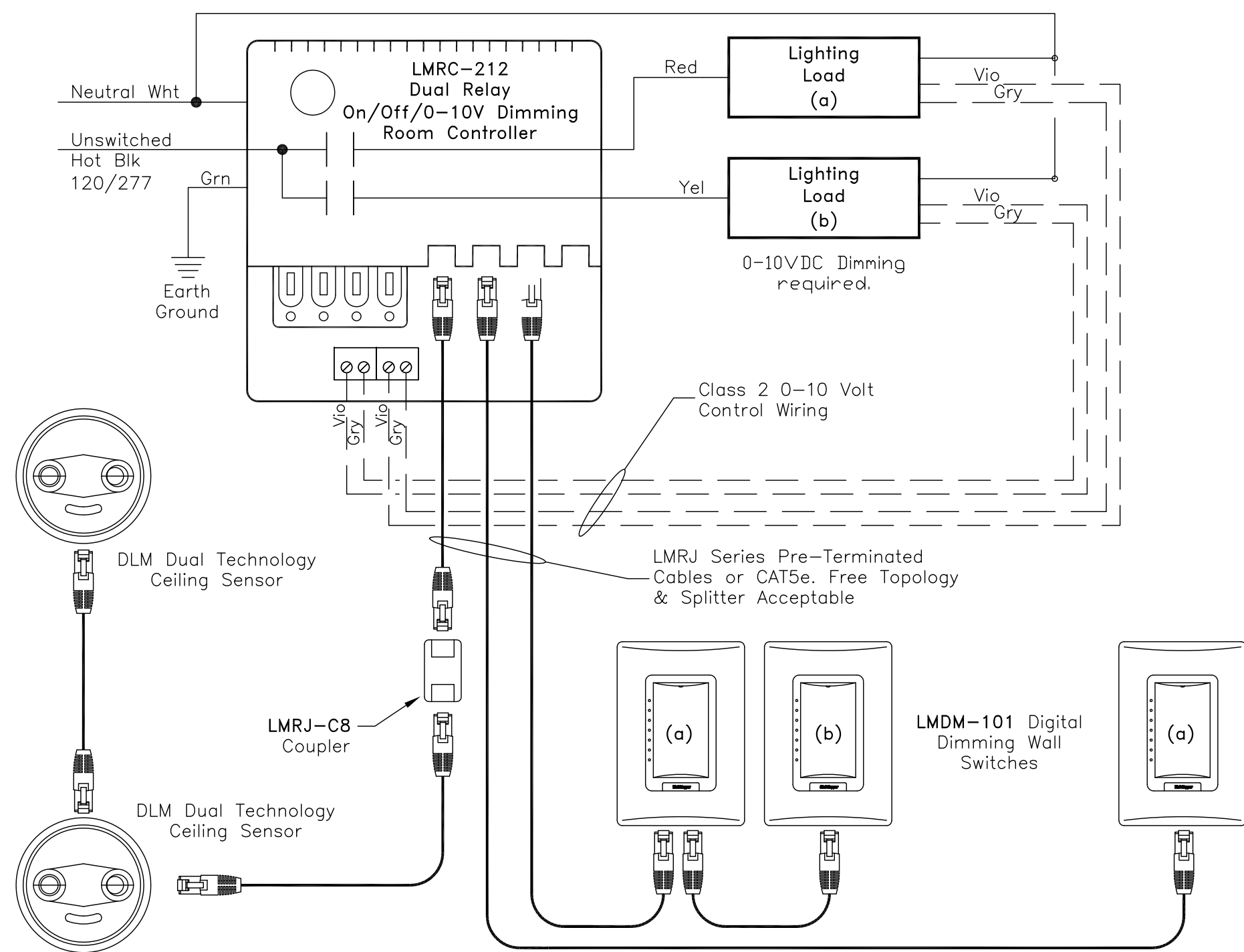
LIGHTING PLAN : WORK NOTES

- LIGHT(S) CONTROLLED BY A 1-P WALL MOUNTED (120V) DUAL TECHNOLOGY OCCUPANCY SENSOR.
- LIGHTING IN THIS ROOM IS CONTROLLED BY A MODULAR LOW VOLTAGE RELAY SYSTEM WITH LOW VOLTAGE DIMMING CONTROL. SYSTEM IS FOR TRIPLE RELAY OUTPUT. RE: WIRING THIS SHEET.

FIXTURE SCHEDULE - SRDA PATIO INFILL						
TYPE	PICTORAL	DESCRIPTION & MANUFACTURES CATALOGUE NUMBERS ALL BALLASTS ARE 120V UNLESS NOTED OTHERWISE	NOTES	FINISH	LOCATION	LAMP(S)
						NO. TYPE
A		6" RECESSED LED DOWNLIGHT WITH SEMI-DIFFUSE CONE, 120V : 0-10V ELECTRONIC DIMMING DRIVER AND WHITE TRIM RING. PRESCOLITE #LF6LEDG4-X-X-6LFLED5G4-35-X-X-WT OR APPROVED EQUIVALENT	1	WHITE	OPEN AREA	15W 1100 Lumen 3500 Deg K
B		2' x 2' RECESSED LED FIXTURE WITH HIGH EFFICIENT OPTICAL SYSTEM, LIFT AND SHIFT FRAME AND 120V : 0-10V DIMMABLE DRIVER. CEILING: LAY-IN ACOUSTICAL GRID. FINELITE #HPR-A-2x2-DCO-LED-HO-3500K-120V-SO-C1 OR APPROVED EQUIVALENT	1	WHITE	OPEN AREA	57W 4800 Lumen 3500 Deg K
C		4" NARROW LED WRPAROUND WITH CLEAR ACRYLIC DIFFUSER, INJECTION MOLDED PLASTIC END CAPS AND 120V ELECTRONIC DRIVER. COLUMBIA #LAW-4-35-ML-E-U OR APPROVED EQUIVALENT	1	WHITE	STORAGE	51W 4400 Lumen 3500 Deg K
		SELF CONTAINED GREEN LED EXIT SIGN WITH (2) EMERGENCY LIGHT HEADS, HIGH IMPACT RESISTANT THERMO-PLASTIC HOUSING, SELF DIAGNOSTICS FEATURE AND UNIVERSAL VOLTAGE ELECTRONIC DRIVER	2	WHITE	OPEN AREA	13W ~ 560 Lumen 4000 Deg K
		CEILING MOUNTED LED EMERGENCY LIGHT WITH (2) LIGHT HEADS, HIGH IMPACT RESISTANT THERMO-PLASTIC HOUSING, SELF DIAGNOSTICS FEATURE AND UNIVERSAL VOLTAGE ELECTRONIC DRIVER	2	WHITE	OPEN AREA	13W ~ 560 Lumen 4000 Deg K
		SELF CONTAINED WET LOCATION LISTED EMERGENCY LIGHT WITH DIE-CAST ALUMINUM HOUSING AND INTEGRAL HEATER TO OPERATE AT -22 Deg F. DUALLITE #PG-X-HTR OR APPROVED EQUIVALENT.	1	BRONZE	EXTER. DOOR	2W 4000 Deg K

NOTES:

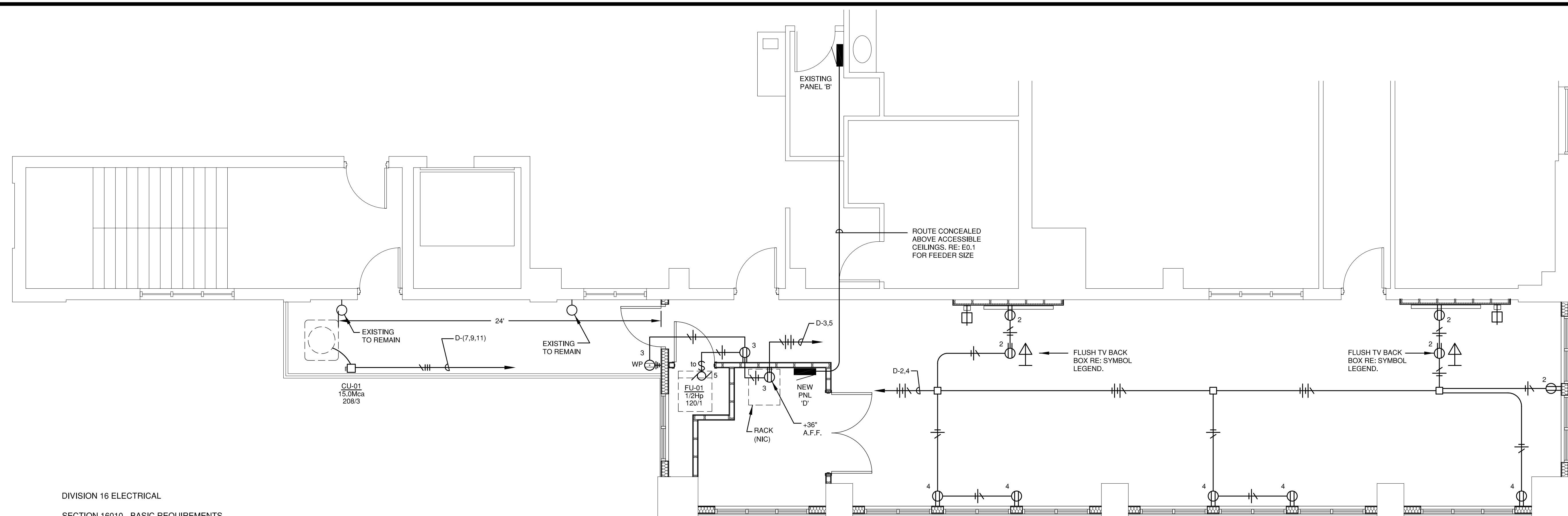
1. SUBMIT REQUEST FOR SUBSTITUTION FIXTURE 7 WORKING DAYS PRIOR TO BID. APPROVED FIXTURES WILL BE LISTED IN AN ADDENDUM.
2. REQUEST FOR SUBSTITUTION PRIOR TO BID NOT REQUIRED, HOWEVER, ONLY SPECIFICATION GRADE PRODUCT WILL BE ACCEPTED.



DEVICES ARE PRESET FOR PLUG n GO™ OPERATION



Sequence of Operation: The LMRC-212 defaults to multi-level automatic-on/automatic-off operation. Load (a) on the LMRC-212 turns on automatically, while Load (b) defaults to manual-on control; all relays turn off automatically.



DIVISION 16 ELECTRICAL

SECTION 16010 - BASIC REQUIREMENTS

Part 1. General

- A. Provisions of the General Conditions apply to the Electrical Work.
- B. Coordinate work with other trades.
- C. Obtain & pay for required permits; schedule building inspections.
- D. The installation shall conform to the 2014 National Electrical Code.

SECTION 16050 - BASIC MATERIALS & METHODS

Part 1. Conduit

- A. Use GRC where exposed up to 5' above floor, EMT elsewhere.
- B. Flexible conduit limited to 6' length.
- C. Use metal bushings w/insulated throat (OZ type "BLO").
- D. Use raintight compression fittings on all exterior conduits.

Part 2. Outlets

- A. One piece only, 4"sq min. for wall outlets w/appropriate ring.
- B. Weatherproof: Cast box w/NEC Art.410-57(b) approved cover.

Part 3. Wiring, Devices & Plates:

- A. Receptacles - 15 or 20A Ivory, Commercial grade or better.

Part 4. Wire

- A. Copper, min. 75 degree C. insulated (THHN, THWN or XHHW).
- B. Branch circuit conductors #12 minimum.
- C. Wiring in lighting fixtures, 90 degree C. rated.

Part 5. Installation

- A. Support conduit from structure, not from ceiling suspension wires. Supports to be maximum of 7' apart.

SECTION 16180 EQUIPMENT WIRING SYSTEMS

Part 1. Mechanical Units

- A. Raintight liquid flexible conduit.
- B. Heavy Duty Disconnects, Nema 3R for Exterior Application.

SECTION 16190 SUPPORTING DEVICES

Part 1. Conduits

- A. One or two hole straps or adjustable steel hanger attached to structure.

Part 2. Boxes and Cabinet Supports

- A. Surface mounted cabinets - provide a min. of (4) anchors.
- B. Flush mid cabinets - provide channel support top & bottom.

Part 3. Anchors

- A. Hollow masonry - Toggle bolts.
- B. Solid masonry - Lead expansion anchors and preset inserts.
- C. Metal surfaces - Machine screws, bolts or welded studs.

SECTION 16195 - ELECTRICAL IDENTIFICATION

PART 1 GENERAL

- A. Directory Cards - Type written with erasable letters for 'Spares'
- B. Engraved Nameplates - For Main Service Disconnects & Panelboards

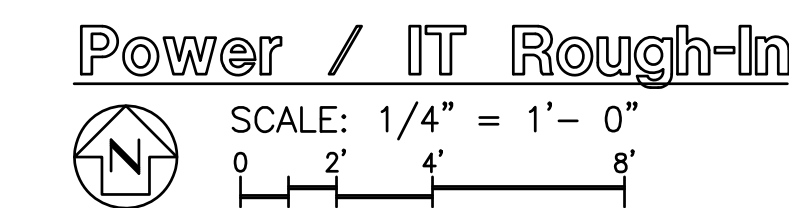
PART 2 PRODUCTS - MATERIALS

- A. Engraved Plastic Plates: Black letters on white background with self-adhesive back. 1/2" High Letters for Part 1.- B.
- B. Directory Cards: Manufacturer's standard pre-printed form under clear plastic protective cover.

SCHEDULE FOR PANEL B						
VOLTS/PHASE/WIRE			MAIN DEVICE			MLO
MOUNTING SURFACE			S.C. RATING			AIC
120/208/3ph-4w			100a			10,000
NOTES: GE' A Series Panel : 'E' Indicates Existing Brkr/Load			N' = New Load : Replace Existing 20/1 Breakers with New Indicated			
LOAD FACTOR INCLUDES NEC CONTINUOUS DUTY LOADS, NEC DEMAND FACTORS, AND DEMANDS APPLIED BY THE ENGINEER.						
PHASE A (KVA)		11.1		CONNECTED KVA		32.80
PHASE B (KVA)		10.7		LOAD FACTOR		1.05
PHASE C (KVA)		11.0		DUTY/DEMAND KVA		34.77
AVERAGE AMPS/LEG BASED ON DUTY/DEMAND KVA 96.6						
#	DESCRIPTION	LOAD	BRKR	PH	BRKR	LOAD
1	Receptacle	720	E20/1	A	E20/1	720
3	Receptacle	900	E20/1	B	E20/1	720
5	Receptacle	900	E20/1	C	E20/1	720
7	Othr : Hand Dryer	1,500	E20/1	A	E20/1	1,080
9	Othr : Hand Dryer	1,500	E20/1	B	E20/1	1,080
11	Receptacle	1,080	E20/1	C	E20/1	1,260
13	Receptacle	1,080	E20/1	A	E20/1	1,080
15	Lighting	1,360	E20/1	B	E20/1	360
17	Lighting	1,440	E20/1	C	E20/1	1,320
19	Lighting	720	E20/1	A	E20/1	860
21	Corridor Lighting	840	E20/1	B	E20/1	1,220
23	Patio Lighting	140	E20/1	C	E20/1	1,540
25	New Panel 'D'	2,800	N60/3	A	E20/1	560
27	Do	2,700	Do	B	E20/1	
29	Do	2,600	Do	C	E20/1	
ENCLOSURE TYPE: NEMA 1 BREAKER TYPE: BOLT ON						
CLASS OF EQUIPMENT: PANELBOARD NO. CIRCUITS: 30						

SCHEDULE FOR PANEL D						
VOLTS/PHASE/WIRE			MAIN DEVICE			MLO
MOUNTING SURFACE			S.C. RATING			AIC
120/208/3ph-4w			100a			10,000
NOTES: New Panel						
N/A						
LOAD FACTOR INCLUDES NEC CONTINUOUS DUTY LOADS, NEC DEMAND FACTORS, AND DEMANDS APPLIED BY THE ENGINEER.						
PHASE A (KVA)		2.8		CONNECTED KVA		8.05
PHASE B (KVA)		2.7		LOAD FACTOR		1.12
PHASE C (KVA)		2.6		DUTY/DEMAND KVA		8.98
AVERAGE AMPS/LEG BASED ON DUTY/DEMAND KVA 24.9						
#	DESCRIPTION	LOAD	BRKR	PH	BRKR	LOAD
1	Ltg : Open Area	435	20/1	A	20/1	900
3	Rec : Entry	540	20/1	B	20/1	720
5	Mtr : Furnace	1,130	20/1	C	20/1	
7	AC : Condensing Unit	1,440	15/3	A	20/1	
9	Do	1,440	Do	B	20/1	
11	Do	1,440	Do	C	20/1	
13	Space			A		
15	Space			B		
17	Space			C		
ENCLOSURE TYPE: NEMA 1 BREAKER TYPE: BOLT ON						
CLASS OF EQUIPMENT: PANELBOARD NO. CIRCUITS: 18						

POWER & SIGNAL LEGEND	
SYMBOL	DESCRIPTION
	20A, DUPLEX RECEPTACLE NEMA TYPE 5-20R. MOUNT AT +18" UNLESS NOTED OTHERWISE.
	20A, 'GFCI' DUPLEX RECEPTACLE. 'WP' INDICATES 'RAINTIGHT WHILE IN-USE' COVER. INSTALL AT +24" A.F.F.
	JUNCTION BOX.
	HEAVY DUTY, NEMA 3R, MOTOR RATED DISCONNECT SWITCH.
	SURFACE MOUNTED BRANCH CIRCUIT PANEL.
	FLUSH MOUNTED BRANCH CIRCUIT PANEL.
	BRANCH CIRCUIT CONDUIT RUN CONCEALED. PROVIDE (GREEN) EQUIPMENT GROUND IN ALL RUNS. DEDICATED NEUTRALS REQUIRED FOR ALL SINGLE POLE CIRCUITS.
	PROVIDE FLUSH TV BACK BOX (NOMINAL 11" x 11" x 3 1/2" Deep) BOX WITH A 15A DUPLEX RECEPTACLE AND 1 - 1" STUBBED INTO ACCESSIBLE CEILING CAVITY. LEGRAND 'EVOLUTION SERIES - EFSB2 WALL BOX OR EQUIVALENT. PROVIDE INSULATED BUSHINGS ON EACH END OF CONDUIT. COORDINATE FINAL MOUNTING LOCATION AND HEIGHT WITH THE OWNER'S REPRESENTATIVE.
	PROVIDE FLUSH 4S BOX WITH SINGLE GANG RING AND 1" INTO ACCESSIBLE CEILING CAVITY (FOR OWNER CONTROL PANEL). PROVIDE INSULATED BUSHING ON EACH END OF CONDUIT. COORDINATE FINAL MOUNTING LOCATION AND HEIGHT WITH THE OWNER'S REPRESENTATIVE.



CONSULTANTS:

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SRDA BALCONY ENCLOSURE
 for
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 Pueblo, CO 81003

STAMP:

ISSUE RECORD:

Construction Documents 10-10-17

PROJECT NUMBER: 2015-24
 DRAWN BY: MSK
 REVIEWED BY: LMAK

Power/IT
 Rough-In Plan
 and Power
 Symbol Legend

E2.1