



# ALBANY POLICE STATION

## 90% CONSTRUCTION DOCUMENT SET - 01/08/16

SITE AREA MAP  
NOT TO SCALE

VICINITY MAP  
NOT TO SCALE

### ABBREVIATIONS

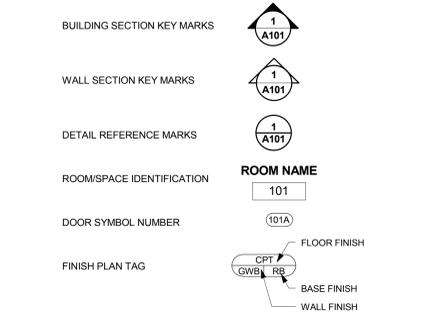
AB	ANCHOR BOLT	FOM	FACE OF MASONRY	PLYWD	PLYWOOD
AC	ASPHALTIC CONCRETE	FOS	FACE OF STUD	PNL	PANEL
ADJ	ADJACENT/ADJUSTABLE	FW	FACE OF WALL	PR	PAIR
ADDL	ADDITIONAL	FS	FAR SIDE	PS	POUR STRIP
AFF	ABOVE FINISH FLOOR	FT	FEET/FOOT/FIRE TREATED	PSF	POUNDS PER SQUARE FEET
AL	ALUMINUM	FTG	FOOTING	PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	FWC	FABRIC WALL COVERING	PT	PRESSURE TREATED/PORCELAIN TILE
AN	ANODIZED	GA	GALVE	PVC	POLYVINYL CHLORIDE
APPROX	APPROXIMATE	GB	GRAB BAR	PVMT	PAVEMENT
ARCH	ARCHITECTURAL	GALV	GALVANIZED	R	RADIUS
		GEN	GENERAL	GR	GRID
		GLB	GLU-LAM BEAM	GRD	GRID ONLY
BT	BOTTOM OF	GRD	GRID ONLY	RAD	RADIAL
BATT	BATTEN INSULATION	HB	HOSE BIB	RBE	RUBBER BASE
BD	BOARD	HC	HOLLOW CORE/HANDICAP	RBF	ROOF BEARING ELEVATION
BLDG	BUILDING	HDP	HIGH DENSITY POLYETHYLENE	RCE	REFLECTED CEILING PLAN
BLK	BLOCK	HDR	HEADER	REF	REFERENCE / REFRIGERATOR
BLKG	BLOCKING	HDR	HEADER	REIN	REINFORCING
BM	BENCH MARK/BEAM	HDR	HEADER	REQD	REQUIRED
BN	BOUNDARY NAIL	HGR	HANGER	REV	REVISION
BOIT	BOTTOM	HMK	HOLLOW METAL KNOCKDOWN	RF	RESILIENT FLOORING
BRG PL	BEARING PLATE	HM	HOLLOW METAL WELDED	RM	ROOM
BSMT	BASEMENT	HORIZ	HORIZONTAL	RO	ROUGH OPENING
BTWN	BETWEEN	HR(S)	HOURS	ROW	RIGHT OF WAY
		HS	HEADED STUD	S	STAIN
		HSS	HIGH STRENGTH BOLT	SAT	SUSPENDED ACOUSTICAL TILE
CAB	CABINET	HTG	HEATING	SC	SEALED CONCRETE/SOLID CORE
CB	CATCH BASIN	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	SCM	SCHED SCHEDULE
CD	CAST IRON	HWS	HEADWELD STUD	SF	STRUCTURAL CLAY MASONRY
CJ	CONTROL JOINT			SG	SQUARE FEET/STORE FRONT
CL	CENTER LINE			SHG	SHEDDING
CLG/CLNG	CEILING			SHG	SHEDDING
CLR	CLEAR			SHG	SHEDDING
CMP	CORRUGATED METAL PIPE	IBC	INTERNATIONAL BUILDING CODE	SHG	SHEDDING
CMP	CONCRETE MASONRY UNIT	IFC	INTERNATIONAL FIRE CODE	SHG	SHEDDING
CNTR	CENTER	IMC	INTERNATIONAL MECHANICAL CODE	SHG	SHEDDING
CO	CLEAN OUT	IPC	INTERNATIONAL PLUMBING CODE	SHG	SHEDDING
CO	COLUMN	ID	INSIDE DIMENSION	SHG	SHEDDING
CONC	CONCRETE	IE	INSIDE ELEVATION	SHG	SHEDDING
CONN	CONNECTION	IF	INSIDE FACE	SHG	SHEDDING
CONST	CONSTRUCTION	INFO	INFORMATION	SHG	SHEDDING
CONT	CONTINUOUS	INSUL	INSULATION	SHG	SHEDDING
CONTR	CONTRACTOR	INT	INTERIOR	SHG	SHEDDING
CORR	CORRUGATED(ION)	JNT	JOINT	SHG	SHEDDING
COORD	COORDINATE	JST	JOIST	SHG	SHEDDING
CSP	CONCRETE SEWER PIPE			SHG	SHEDDING
CNTR	CENTER			SHG	SHEDDING
CSK	COUNTERSINK	L	ANGLE	SHG	SHEDDING
CSP	CONCRETE SEWER PIPE	LAM	LAMINATE	SHG	SHEDDING
CTOP	COUNTERTOP	LAV	LAVATORY	SHG	SHEDDING
		LB	LIVE LOAD	SHG	SHEDDING
		L	LONG LEG VERTICAL	SHG	SHEDDING
d	PENNY (NAILS)	LLV	LONG LEG VERTICAL	SHG	SHEDDING
DBA	DEFORMED BAR ANCHOR	LONGIT	LONGITUDINAL	SHG	SHEDDING
DBL	DOUBLE	LP	LOW POINT	SHG	SHEDDING
DET/DTL	DETAIL	LWC	LIGHT WEIGHT CONCRETE	SHG	SHEDDING
DF	DRINKING FOUNTAIN	M	MIRROR	SHG	SHEDDING
DIA	DIAPHRAGM	ME/P	MECHANICAL/ELECTRICAL/PLUMBING OR PROCESS	SHG	SHEDDING
DIAM	DIAMETER	MAS	MASONRY	SHG	SHEDDING
DIAPH	DIAPHRAGM	MATL	MATERIAL	SHG	SHEDDING
DM	DEAD LOAD	MAX	MAXIMUM	SHG	SHEDDING
DN	DOWN	MB	MACHINE BOLT	SHG	SHEDDING
DR	DOOR	MDF	MEDIUM DENSITY FIBERBOARD	SHG	SHEDDING
DS	DOWNSPOUT	MDO	MEDIUM DENSITY OVERLAY	SHG	SHEDDING
DWG	DRAWING	MECH	MECHANICAL	SHG	SHEDDING
DWLS	DOWELS	MFD	MANUFACTURED	SHG	SHEDDING
		MFG	MANUFACTURING	SHG	SHEDDING
EA	EACH	MFR	MANUFACTURER	SHG	SHEDDING
EA	EACH FACE	MGR	MANAGER	SHG	SHEDDING
EF	EXTERIOR INSULATION FINISH SYSTEM	MH	MAN HOLE	SHG	SHEDDING
ELEV	ELEVATION	MIN	MINIMUM	SHG	SHEDDING
ELECT	ELECTRICAL	MISC	MISCELLANEOUS	SHG	SHEDDING
ENGR	ENGINEER	MK	MARK	SHG	SHEDDING
EOP	EDGE OF PANEL	MTL	METAL	SHG	SHEDDING
EPPM	ETHYLENE PROPYLENE DIENE MONOMER	NFPA	NATIONAL FIRE PROTECTION AGENCY	SHG	SHEDDING
EQ	EQUAL	NIC	NOT IN CONTRACT	SHG	SHEDDING
ETC	EPOXY TRAFFIC COATING / ET CETERA	NO.#	NUMBER	SHG	SHEDDING
EW	EACH WAY	NOM	NOMINAL	SHG	SHEDDING
EX/EXIST	EXISTING	NR	NON-RATED	SHG	SHEDDING
EXP JT	EXPANSION JOINT	NS	NEAR SIDE(D)	SHG	SHEDDING
EXT	EXTENSION	NTE	NEAR TO EXCEED	SHG	SHEDDING
		NTS	NOT TO SCALE	SHG	SHEDDING
		OA	ON CENTER	SHG	SHEDDING
F	FLUSH	OC	ON CENTER	SHG	SHEDDING
F	FACE OF	OH	OPPOSITE HAND	SHG	SHEDDING
FB	FLAT BAR	OH/OVHD	OVERHEAD DOOR	SHG	SHEDDING
FD	FACE OF CURB	OPNG	OPENING	SHG	SHEDDING
FD	FLOOR DRAIN	OPNS	OPENING	SHG	SHEDDING
FDC	FIRE DEPARTMENT CONNECTION	OPNS	OPENING	SHG	SHEDDING
FE	FIRE EXTINGUISHER	OSF/OFACE	OUTSIDE FACE	SHG	SHEDDING
FF	FACTORY FINISH	OSSC	OREGON STRUCTURAL SPECIALTY CODE	SHG	SHEDDING
FFE	FINISH FLOOR ELEVATION	OTS	OPEN TO STRUCTURE	SHG	SHEDDING
FIN	FINISH(D)			SHG	SHEDDING
FLR	FLOOR	P	PAINT	SHG	SHEDDING
FOC	FACE OF CONCRETE	PB	PARTICLE BOARD	SHG	SHEDDING
FM	FACTORY MUTUAL	PDA	POWDER DRIVEN ANCHORS	SHG	SHEDDING
FND	FOUNDATION	PJ	PANEL JOINT	SHG	SHEDDING
FOC	FACE OF CONCRETE	PL	PLATE	SHG	SHEDDING
FOF	FACE OF FINISH	PLB	PARALLAM BEAM	SHG	SHEDDING
FOIC	FURNISH BY OWNER	PLMB	PLUMBING	SHG	SHEDDING
	INSTALL BY CONTRACTOR			SHG	SHEDDING

### SITE INFORMATION

LEGAL DESCRIPTION: 11S04W13AB06900  
11S04W13AB07003

ADDRESS: TBD  
Albany, OR 97321

### SYMBOLS AND REFERENCES



### DRAWING CRITERIA

ALL DRAWINGS ARE IDENTIFIED BY TWO DIGITS AS FOLLOWS:

- A. CATEGORY LETTER REFERRING TO THE DISCIPLINE OR MAJOR DIVISION.
  - T. TITLE SHEET
  - C. CIVIL
  - L. LANDSCAPE
  - A. ARCHITECTURAL
  - S. STRUCTURAL
  - M. MECHANICAL
  - E. ELECTRICAL
  - P. PLUMBING
- B. SUB-CATEGORY NUMBER REFERRING TO TYPE OF DRAWING OR GROUPING.
  - 1. GENERAL
  - 2. PLANS
  - 3. EXTERIOR ELEVATIONS/BUILDING SECTIONS
  - 4. WALL SECTIONS
  - 5. ENLARGED PLANS AND INTERIOR ELEVATIONS
  - 6. REFLECTED CEILING PLANS
  - 7. STAIR AND ELEVATOR SECTIONS, PLANS, AND DETAILS
  - 8. DETAILS
  - 9. SCHEDULES

### DEFERRED SUBMITTALS

- PER SECTION 107.3.4.2 DEFERRED SUBMITTALS: DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN 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.
- FIRE SPRINKLER NFPA 13 SYSTEM
- FIRE ALARM SYSTEM
- ENGINEERED SUSPENDED ACOUSTICAL CEILING SYSTEM
- CARBON MONOXIDE DETECTION SYSTEM
- PROVIDE CALCULATIONS AND DETAILS FOR SEISMIC ANCHORAGE AND BRACING OF ALL MECHANICAL AND ELECTRICAL AND OTHER EQUIPMENT WEIGHING MORE THAN 400LBS AND ATTACHED TO A FLOOR OR ROOF LEVEL, OR WEIGHING MORE THAN 75LBS AND ATTACHED MORE THAN 4'-0" ABOVE THE FLOOR OR ROOF LEVEL.
- STOREFRONT SYSTEM DESIGN AND ATTACHMENT
- REFER TO S1.0

### CLIENT

**ALBANY POLICE DEPARTMENT**  
1117 SE JACKSON STREET  
ALBANY, OR 97322

CONTACT: JEFF WOODWARD  
DAVID EVANS AND ASSOCIATES, INC  
OWNER'S REPRESENTATIVE

### ARCHITECTURAL / STRUCT / CIVIL/LANDSCAPE

PHONE: 503.480.1386  
FAX: 503.224.9560  
EMAIL: jmw@deainc.com

**MACKENZIE**  
RIVEREAST CENTER  
1515 SE WATER AVE #100  
PORTLAND, OREGON 97214

CONTACT: JEFF HUMPHREYS or CAITLIN CRANLEY  
PHONE: 503.224.9560  
FAX: 503.228.1285  
EMAIL: jhumphreys@mcknze.com or coranley@mcknze.com

### STRUCT

**MACKENZIE**  
RIVEREAST CENTER  
1515 SE WATER AVE #100  
PORTLAND, OREGON 97214

CONTACT: LONDON HARMON  
PHONE: 503.224.9560  
EMAIL: lharmon@mcknze.com

### CIVIL

**MACKENZIE**  
RIVEREAST CENTER  
1515 SE WATER AVE #100  
PORTLAND, OREGON 97214

CONTACT: RYAN SUAREZ  
PHONE: 503.224.9560  
EMAIL: rsuarez@mcknze.com

### LANDSCAPE ARCHITECT

**MACKENZIE**  
RIVEREAST CENTER  
1515 SE WATER AVE #100  
PORTLAND, OREGON 97214

CONTACT: RON HEIDEN or TAMI DANISCH  
PHONE: 503.224.9560  
FAX: 503.228.1285  
EMAIL: rheid@mcknze.com or tdanisch@mcknze.com

### M/E/P

**INTERFACE ENGINEERING**  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR 97204

CONTACT: STEVE DACUS  
PHONE: 503.726.3340  
EMAIL: steved@interface.com

### GENERAL CONTRACTOR

**TBD**

CONTACT: PHONE: FAX: EMAIL:

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**CODE ANALYSIS**

**GOVERNING CODES**  
 BASED ON THE 2014 OSSC (OREGON STRUCTURAL SPECIALTY CODE)

**BUILDING CONSTRUCTION DATA**  
 CONSTRUCTION TYPE: II-B  
 FIRE PROTECTION: AUTOMATIC SPRINKLER SYSTEM PROVIDED THROUGHOUT  
 AUTOMATIC SMOKE DETECTION THROUGHOUT (SECTION 9.3.1.1)  
 OCCUPANCY: A-3 (COMMUNITY ROOM)  
 S-1 (EVIDENCE, SALLY PORT)  
 B (POLICE STATION)

\*THE BUILDING CONSISTS OF (B), (A-3), AND (S-1) OCCUPANCIES. THE BUILDING HAS BEEN CALCULATED WITH THE MOST STRINGENT OCCUPANCY (A-3) BASED ON NON-SEPARATED OCCUPANCIES (SECTION 506.3)

**ALLOWABLE AREAS AND HEIGHTS**  
 \*AREAS REFERENCED ARE FOR CODE ANALYSIS ONLY

**AREA PROVIDED**

FIRST FLOOR:	22,813 SF
SECOND FLOOR:	17,554 SF
<b>TOTAL BUILDING AREA:</b>	<b>40,367 SF</b>
EXTERIOR COVERED AREA:	6,092 SF
<b>TOTAL AREA PROVIDED:</b>	<b>46,459 SF</b>

**ALLOWABLE BUILDING AREA FORMULA (SEE SECTION 506.1)**

$A_t = 9,500 SF$   
 $I_f = 0.75$   
 $I_s = 2$

$A_a = A_t + [A_t \times I_f] + [A_t \times I_s]$   
 $A_a = 35,625 SF$

TOTAL BUILDING AREA PROPOSED: 46,459 SF

**AREA DETERMINATION (SEE SECTION 506.4.1)**  
 TOTAL ALLOWABLE BUILDING AREA: 35,625 SF  $\times 2$   
 = 71,250 SF

**FRONTAGE INCREASE CALCULATION (SEE SECTION 506.2)**

$F = 780$        $I_f = [F/P - 0.25] W/30$   
 $P = 780$        $I_f = 0.75$   
 $W = 30.00$

YARDS PROVIDED:  
 NORTH = >30 FEET  
 EAST = >30 FEET  
 SOUTH = >30 FEET  
 WEST = >30 FEET

**BUILDING HEIGHT**  
 ALLOWABLE: 65'-0" / 3 STORY (504.2)  
 PROVIDED: 39'-0" / 2 STORY

**FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS**  
**BUILDING FIRE RESISTIVE REQUIREMENTS (TABLE 601):**

STRUCTURAL FRAME	NR
BEARING WALLS - EXTERIOR	NR
BEARING WALLS - INTERIOR	NR
EXTERIOR NON-BEARING WALLS (X ≥ 30')	NR (TABLE 602)
INTERIOR NON-BEARING WALLS	NR
FLOOR	NR
ROOF	NR
SHAFTS (712.1.8)	NR
STAIRS	NR

**FIRE RESISTIVE RATING FOR EXTERIOR WALL BASED ON FIRE SEPARATION (TABLE 602):**  
 ≥ 30" NR

**FIRE EXTINGUISHERS**  
 FIRE EXTINGUISHERS WITH RATINGS OF NOT LESS THAN 2A: 10-B PROVIDED FOR EACH 3,000 SF OF FLOOR...  
 MAX SEPARATION = 75'-0"

**OCCUPANCY LOAD**  
 USE - MIXED - SEE PLAN FOR DEFINITION OF AREAS  
 OCCUPANT LOAD - TABLE...

FIRST FLOOR	AREA	OCCUPANCY	LOAD FACTOR	OCC	REQUIRED EXITS	PROVIDED EXITS
PROPERTY & EVIDENCE	4,284 SF	S-1	300	15	1	2
SALLYPORT	1,977 SF	S-1	200	10	1	2
COMMUNITY ROOM	1,543 SF	A-3	7	221	2	2
OFFICE	15,009 SF	B	100	151	2	3

SECOND FLOOR	AREA	OCCUPANCY	LOAD FACTOR	OCC	REQUIRED EXITS	PROVIDED EXITS
OFFICE	17,554 SF	B	100	176	2	3

**TOTAL GROSS AREA** 40,367 SF

712.1.8  
**EXITING**

**SECTION 1005 - EGRESS WIDTH**  
 \* WIDTH REQ'D PER TABLE 1005.1

STORAGE (S-1):	0.2 x 15 OCC	3.00 WIDE (36" MIN)
PROPERTY & EVIDENCE		36" PROVIDED AMONG 137C
STORAGE (S-1):	0.2 x 10 OCC	2.00 WIDE (36" MIN)
SALLYPORT		36" PROVIDED AMONG 170C
OFFICE (B):	0.2 x 327 OCC	65.40 WIDE (36" MIN)
		180" PROVIDED AMONG 101A, 132B, 150A & 169A
ASSEMBLY (A-3):	0.2 x 221 OCC	44.20 WIDE (36" MIN)
(COMMUNITY ROOM)		108" PROVIDED AMONG 103A & 103B

**SECTION 1006 - MEANS OF EGRESS ILLUMINATION**  
 \* MEANS OF EGRESS ILLUMINATION PROVIDED AT A MINIMUM OF ONE FOOT CANDLE AT PATH OF EGRESS SHOWN ON PLANS. TO MEET SECTION 1006 - SEE ELECTRICAL DRAWINGS

**SECTION 1007.3/1007.6 - ACCESSIBLE MEANS OF EGRESS**  
 \* AREA OF RESCUE ASSISTANCE NOT REQUIRED (SECTION 1007.3, EXCEPTION 2)

**SECTION 1008 - DOORS, GATES, AND TURNSTILES**  
 \* DOORS  
 RATING SIZE AND HARDWARE PROVIDED TO MEET OSSC SECTION 1008 SEE INDIVIDUAL FLOOR PLANS AND SPECIFICATIONS

**SECTION 1009 - STAIRWAYS AND HANDRAILS**  
 \* WIDTH, ENCLOSURE, RISE AND RUN, AND ALL COMPONENTS OF STAIR TO MEET SECTION 1009 - SEE INDIVIDUAL SHEETS AND SPECIFICATIONS  
 \* WIDTH REQUIRED: 44"  
 \* WIDTH PROVIDED: 144" (44" CLEAR MIN AT EACH STAIR)  
 \* FOR RISE AND RUN, LANDINGS, HEADROOM, HANDRAILS, STAIRWAY CONSTRUCTION, AND IDENTIFICATION, SEE SHEET...

**SECTION 1014 - EXIT ACCESS**  
 \* ALL SPACES EXIT DIRECTLY TO THE EXTERIOR, THROUGH AN ENTRY FOYER OR THROUGH AN INTERVENING ROOM. (SECTION 1014.2)

**SECTION 1016 - EXIT ACCESS TRAVEL DISTANCE**  
 \* ALLOWABLE EXIT ACCESS TRAVEL DISTANCE PER TABLE 1016.2 (FULLY SPRINKLED BUILDING)

A-3 OCCUPANCY:	250 FEET	PROVIDED	62'-0"
B OCCUPANCY:	300 FEET	PROVIDED	203'-0"
S-1 OCCUPANCY:	250 FEET	PROVIDED	91'-0"

\* COMMON PATH OF EGRESS TRAVEL PER TABLE 1014.3 (FULLY SPRINKLED BUILDING)

A-3 OCCUPANCY:	75 FEET	PROVIDED	N/A - ALL PORTIONS HAVE CHOICE OF TWO EXITS
B OCCUPANCY:	100 FEET	PROVIDED	70'-0"
S-1 OCCUPANCY:	100 FEET	PROVIDED	91'-0"

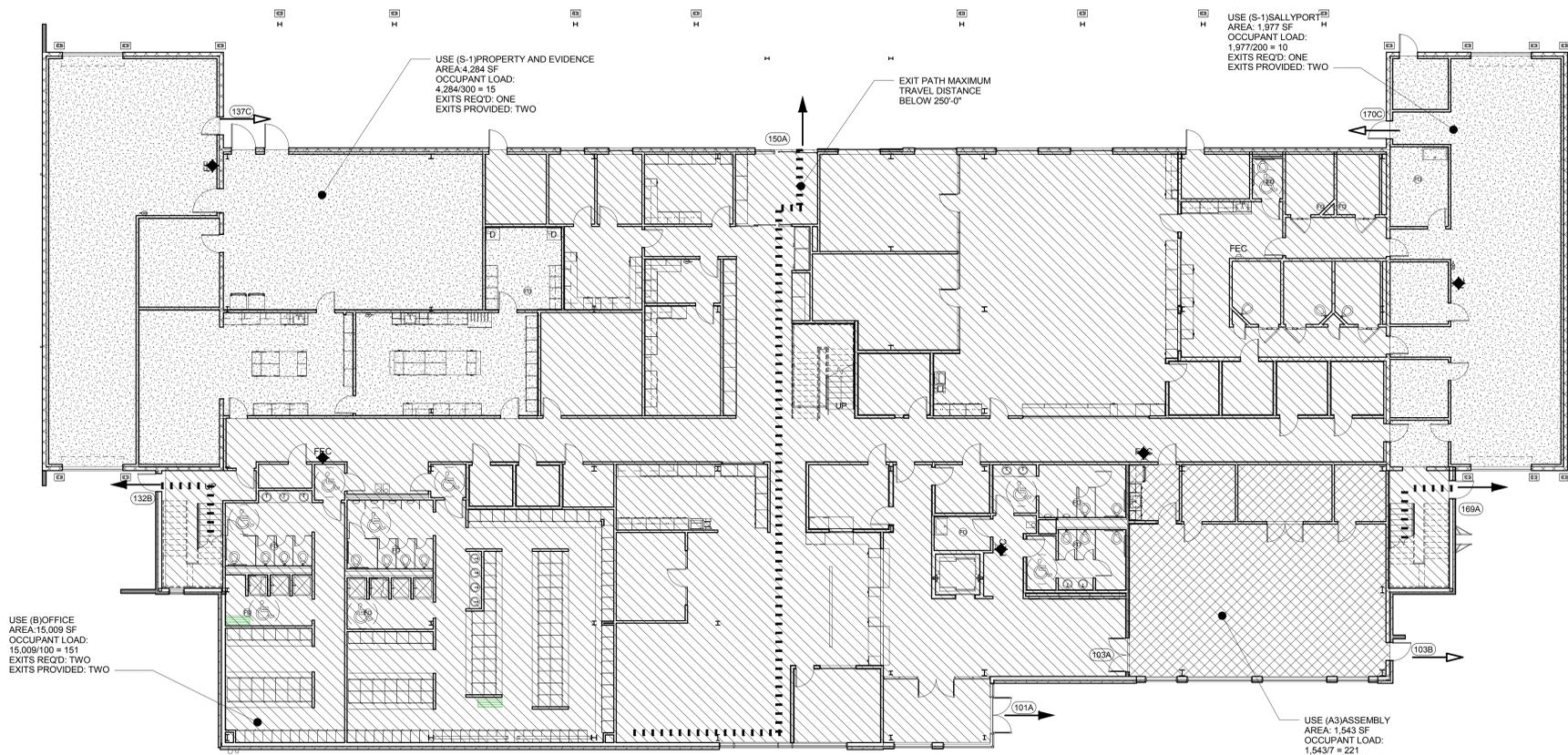
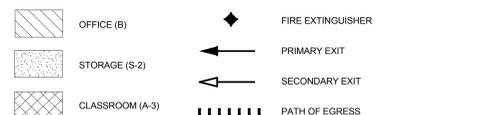
**SECTION 1020 - EXITS**  
 \* COMPONENTS AND OPENINGS ARE SHOWN ON THIS SHEET, INDIVIDUAL FLOOR PLANS, AND IN THE SPECIFICATIONS

**SECTION 1027 - EXIT DISCHARGE**  
 \* ALL EXITS DISCHARGE AT THE GROUND LEVEL - SEE SITE PLANS

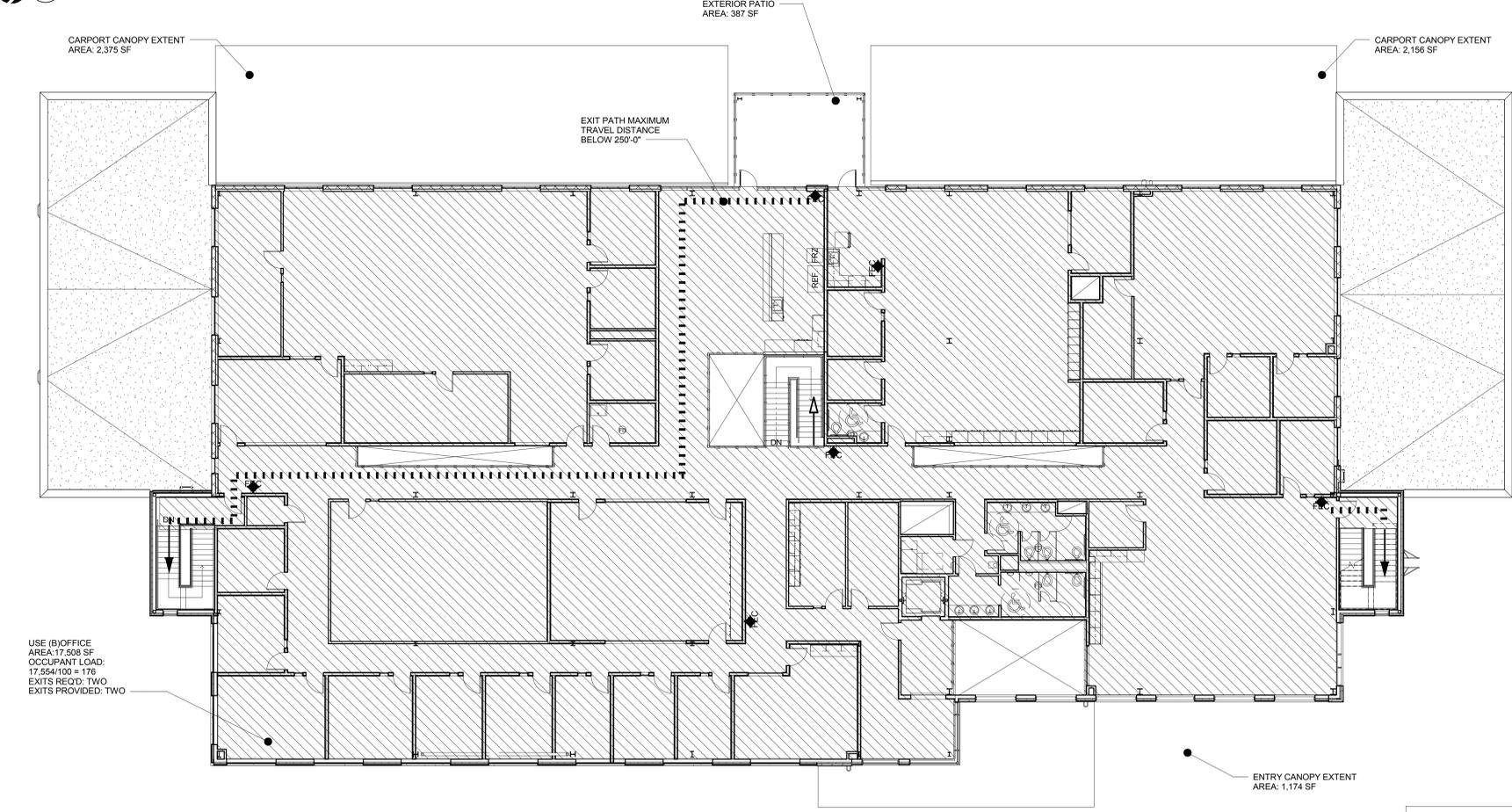
**PLUMBING FIXTURE CALCULATIONS TABLE 2902.1**

OCCUPANCY	WATER CLOSETS			LAVATORIES			SHOWERS				
	USE	LOAD	RATIO	M	F	RATIO	M	F	RATIO	M	F
STORAGE	15	8	N/A	0	0	N/A	0	0	NA	0	0
OFFICE	327	164	1/25 FOR FIRST 50, 1/50 THEREAFTER	4	28	1/40 FOR FIRST 80, 1/80 THEREAFTER	3	3	NA	0	0
ASSEMBLY	221	111	1 PER 125	0.888	0.888	1 PER 200	0.555	0.555	NA	0	0
<b>SUBTOTAL:</b>				<b>5</b>	<b>36</b>		<b>3.605</b>	<b>3.605</b>		<b>0</b>	<b>0</b>
<b>REQUIRED TOTALS:</b>				<b>5</b>	<b>36</b>		<b>4</b>	<b>4</b>		<b>0</b>	<b>0</b>
<b>PROVIDED TOTALS:</b>				<b>16</b>	<b>10</b>		<b>8</b>	<b>8</b>		<b>4</b>	<b>3</b>

**LEGEND**



**1 FIRST FLOOR CODE PLAN**  
 11.1 3/32" = 1'-0"



**2 SECOND FLOOR CODE PLAN**  
 11.1 3/32" = 1'-0"



**Revision Schedule**

Revision	Delta	Issue Date



TOPOGRAPHIC SURVEY  
FOR  
**ALBANY POLICE STATION**  
LOCATED IN  
NE 1/4 SEC. 13, T. 11 S., R. 4 W., W.M.  
CITY OF ALBANY, LINN COUNTY OREGON  
TAX LOTS 6900 & 7003, ASSESSOR MAP 11S-4W-13AB

OCTOBER 20, 2015

**HORIZONTAL DATUM:**

THIS PROJECT IS ON A LOCAL DATUM PLAIN, SEE COORDINATE TABLE FOR SURVEY CONTROL & BOUNDARY MONUMENTS.

**VERTICAL DATUM:**

VERTICAL DATUM IS NGVD 1929 BASED ON CITY OF ALBANY GPS POINT 9240. SITE TBM IS SURVEY CONTROL POINT #1 AS SHOWN ON THE MAP.

**CONTROL & MONUMENT TABLE**

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	5000.0000	5000.0000	219.39	cnt #12
2	5276.2725	5036.1668	219.81	cnt #12
3	5107.7367	4855.4445	214.48	cnt ht
4	4868.3159	4639.4298	213.22	cnt-mog
5	5311.2035	4687.0669	215.43	cnt-ht
6	5315.7276	4863.7618	214.79	cnt-ht
7	5308.8654	4601.1637	214.67	cnt-ht
8	5307.8871	4525.2925	214.12	cnt-ht
9	5307.7673	4400.0374	213.39	cnt-pk
50	4929.6061	4518.9222	215.10	5/8" I.R.
51	5004.3635	4519.7105	213.97	1/2" I.R.
52	4921.7028	4678.9065	214.37	5/8" I.R.
53	4928.9839	4628.9336	213.97	5/8" I.R.
54	4920.3079	4854.8626	215.02	5/8" I.R.
55	4919.3063	4976.8414	216.25	5/8" I.R.
56	4919.2181	4980.4036	214.31	5/8" I.R.
57	5350.6887	5019.3460	216.81	BRASS CAP
58	5271.5924	4922.0372	212.15	5/8" I.R.
59	5273.5954	4682.0532	213.32	1/2" I.R.
60	5272.7422	4631.9644	212.59	1/2" I.R.

**UNDERGROUND UTILITIES:**

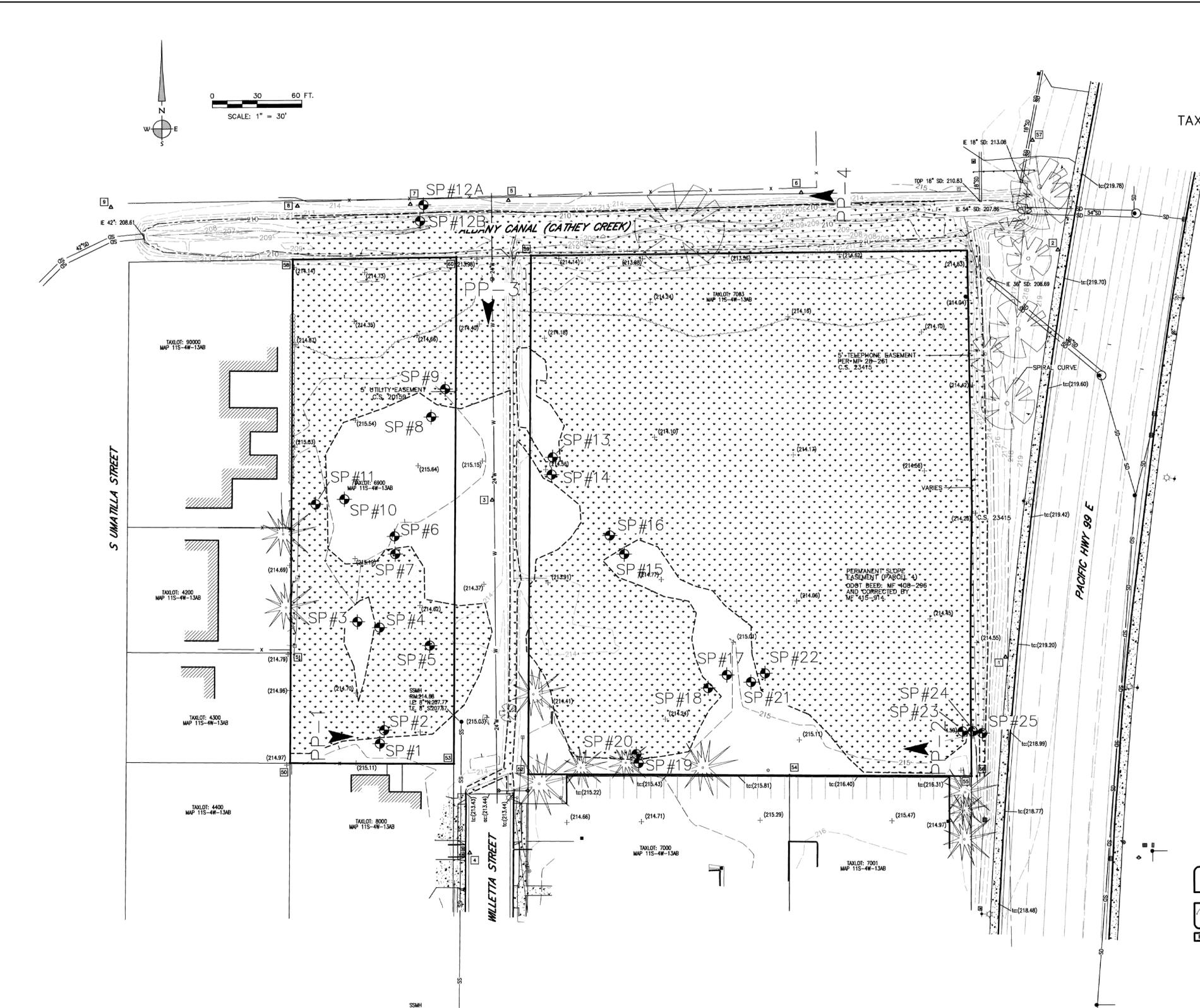
UNDERGROUND UTILITY MARKS WERE VERY SPARSE AT THE TIME OF THE SURVEY. A NEW LOCATE WILL BE COORDINATED AND ANY ADDITIONAL LOCATES WILL BE ADDED TO THE BASE MAP.

**LEGEND:**

- PROJECT BOUNDARY
- PROPERTY LINE
- STREET CENTERLINE
- EXIST. CURB/GUTTER WITH SIDEWALK
- EXIST. 8" W (OR 8" W)
- EXIST. WATER LINE
- EXIST. 8" S (OR 8" S)
- EXIST. SEWER LINE
- EXIST. 18" S (OR 18" S)
- EXIST. STORM DRAIN
- P.U.E. OR OTHER EASEMENT
- EXIST. FENCE
- EXIST. DITCH
- EXIST. TREE/VEGETATION
- ⊕ EXISTING FIRE HYDRANT
- ⊕ EXISTING WATER VALVE
- ⊕ EXISTING WATER METER
- ⊕ EXISTING BLOW-OFF
- ⊕ EXIST. UTILITY POLE
- EXIST. GUY WIRE ANCHOR
- ⊕ EXISTING STREET LIGHT
- ⊕ EXISTING MANHOLE
- ⊕ EXISTING CLEAN-OUT
- ⊕ EXISTING CATCH BASIN
- ⊕ EXISTING FIELD INLET
- ⊕ FOUND MONUMENT REFERENCE
- ⊕ PHOTO POINT
- ⊕ EXISTING WETLANDS

REGISTERED PROFESSIONAL LAND SURVEYOR  
OREGON  
JULY 9, 2002  
**JOE J. GOTTA**  
#5856115  
Renewal: 12/31/17

**K & D ENGINEERING, Inc.**  
276 N.W. Hickory Street, P.O. Box 788  
Albany, Oregon 97321  
(541) 888-2665



Date: 10/20/2015 Time: 11:39  
Scale: 1"=30'  
File: dwg\2015\15-32\1532\_c3d\_topo.dwg (Brian)

DRAWN BY: —  
CHECKED BY: —  
SHEET

C11



## GENERAL NOTES

- ALL PUBLIC IMPROVEMENTS SHALL CONFORM TO THE CURRENT EDITION OF THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS. THE CURRENT VERSION OF THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS CAN BE FOUND ON THE CITY'S WEBSITE [www.cityofalbany.net](http://www.cityofalbany.net). PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED UNDER A SEPARATE SET OF PLANS ISSUED VIA A SITE IMPROVEMENT (SI) PERMIT PROVIDING FOR THE PRIVATE CONSTRUCTION OF PUBLIC INFRASTRUCTURE.
- ALL ON-SITE IMPROVEMENTS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF ALBANY AND THE CURRENT AMERICAN PUBLIC WORKS ASSOCIATION STANDARDS FOR PUBLIC WORKS CONSTRUCTION.
- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES LAYING WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDING SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION PREVENTION SEDIMENT CONTROL (EPSC) MEASURED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE CITY OF ALBANY, AND VEGETATION/LANDSCAPING IS ESTABLISHED. FOR GUIDANCE, REFER TO THE CITY OF ALBANY EPSC MANUAL WHICH CAN BE FOUND AT [www.cityofalbany.net](http://www.cityofalbany.net)
- EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE WORK SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
- CONTRACTOR SHALL ADJUST ALL STRUCTURES IMPACTED BY CONSTRUCTION IMPROVEMENTS TO NEW FINISH GRADES.
- EXCAVATION: EXCAVATE FOR SLABS, PAVING, AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL. EXCAVATOR(S) MUST COMPLY WITH O.R.S. 757.541 THROUGH 757.571; EXCAVATOR(S) SHALL NOTIFY ALL UTILITY COMPANIES FOR LINE LOCATIONS SEVENTY-TWO (72) HOURS (MINIMUM) PRIOR TO START OF WORK. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. (OREGON UTILITY NOTIFICATION CENTER: 1-800-332-2344).
- WHERE CONNECTING TO AN EXISTING PIPE, AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL EXPOSE THE END OF THE EXISTING PIPE VERIFY THE LOCATION, SIZE, AND ELEVATION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- REQUEST BY THE CONTRACTOR FOR CHANGES TO THE PLANS MUST BE APPROVED BY THE ENGINEER.
- ALL CURB RADII ARE 3.0' UNLESS OTHERWISE NOTED.

## LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- VERTICAL CURB
- EDGE OF PAVEMENT
- ROCK WALL

## PAVEMENT LEGEND

- 3" AC OVER 12" AGGREGATE BASE
- 4" AC OVER 12" AGGREGATE BASE

## KEYNOTES

- VERTICAL CURB PER DETAIL 1/C8.0
- CONCRETE SIDEWALK PER DETAIL 3/C8.0
- 4" WIDE WHITE PARKING STRIPE
- ADA COMPLIANT PARKING STALL PER DETAIL 4/C8.0
- CURB RAMP PER CITY OF ALBANY DETAIL 315, TYPE AS SHOWN
- LANDSCAPE AREA
- 12" HIGH VISIBILITY CROSSWALK STRIPE
- 2" MAX. ROCK WALL PER DETAIL 1/C8.1
- CMU TRASH ENCLOSURE PER ARCHITECTURAL DRAWINGS
- 2" CURB BREAK PER DETAIL 2/C8.0. PROVIDE 4"-6" WASHED RIVER ROCK PAD, 12" THICK. SEE SHEET C2.3 FOR EXTENTS
- COMMERCIAL DRIVEWAY PER ODOT STD. RD735, OPTION G
- CURB STOP PER DETAIL 10/C8.0
- SIDEWALK AND PLAZA AREAS PER LANDSCAPE DRAWINGS
- EXISTING TREE TO BE REMOVED
- 5' WIDE LADDER STYLE CROSSWALK WITH 12" WIDE STRIPES
- FENCE PER LANDSCAPE DRAWINGS
- (2) 5' WIDE SWING GATES
- 28' ROLLING GATE, SEE SPECIFICATIONS
- ROLLED CURB PER DETAIL 9/C8.0
- 2' WIDE TRUNCATED DOMES PER CITY OF ALBANY DETAIL 315. COLOR SHALL BE BLACK
- BIKE PARKING PER LANDSCAPE DRAWINGS
- 5'-0" X 12'-0" GENERATOR PAD. PROVIDE 6" CONCRETE W/ #3 BARS @ 18" O.C. EACH WAY OVER 6" CRUSHED ROCK
- 7'-0" X 9'-4" TRANSFORMER PAD. PROVIDE 6" CONCRETE W/ #3 BARS @ 18" O.C. EACH WAY OVER 6" CRUSHED ROCK
- RELOCATE EXIST. SIGNAL AHEAD WARNING SIGN

## SITE DATA

EAST LOT: ZONE OP	
SITE AREA	109,908 SF (2.52 AC)
VACATED R-O-W	5,858 SF (0.13 AC)
BUILDING FOOTPRINT	23,391 SF (0.54 AC)
PAVED AREA	53,413 SF (1.22 AC)
LANDSCAPE AREA	33,104 SF (0.76 AC) (30.1%)
WEST LOT: ZONE RS-5	
SITE AREA	53,364 SF (1.22 AC)
VACATED R-O-W	20,785 SF (0.48 AC)
PAVED AREA	31,597 SF (0.72 AC)
LANDSCAPE AREA	21,767 SF (0.50 AC) (40.8%)

## PARKING DATA

PUBLIC		BIKE	
STANDARD	28 SPACES	INTERIOR (SALLY PORT)	14 SPACES
ACCESSIBLE	4 SPACES	PUBLIC	4 SPACES
POLICE PARKING		POLICE	4 SPACES
STANDARD	131 SPACES		
ACCESSIBLE	2 SPACES		



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REVISIONS:

NO.	DATE	REVISIONS	REVISION DELTA	CLOSING DATE

SHEET TITLE:  
**SITE PLAN**

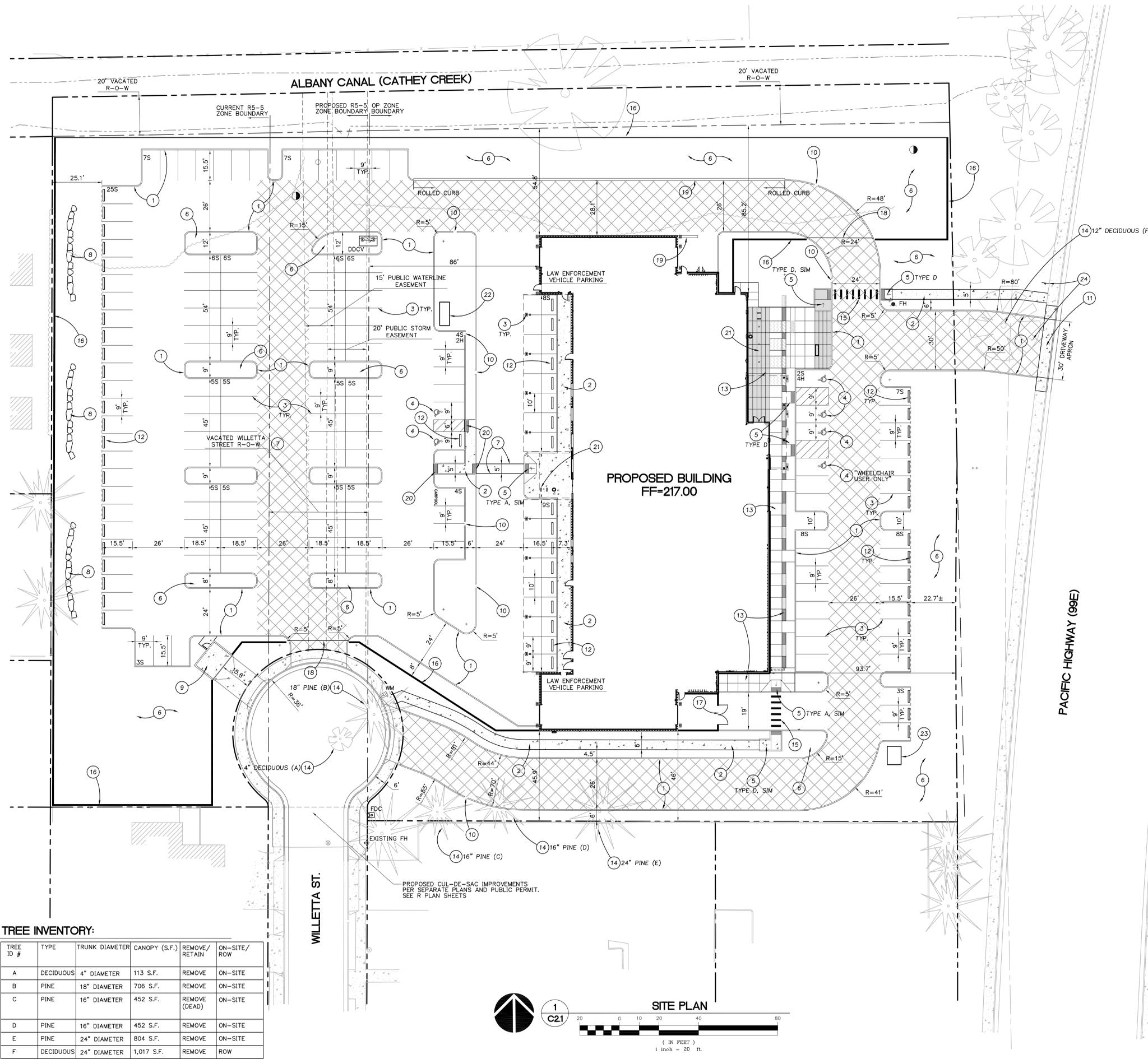
DRAWN BY: BTS

CHECKED BY: RVS

SHEET

**C2.1**

JOB NO. 2140284.00



## TREE INVENTORY:

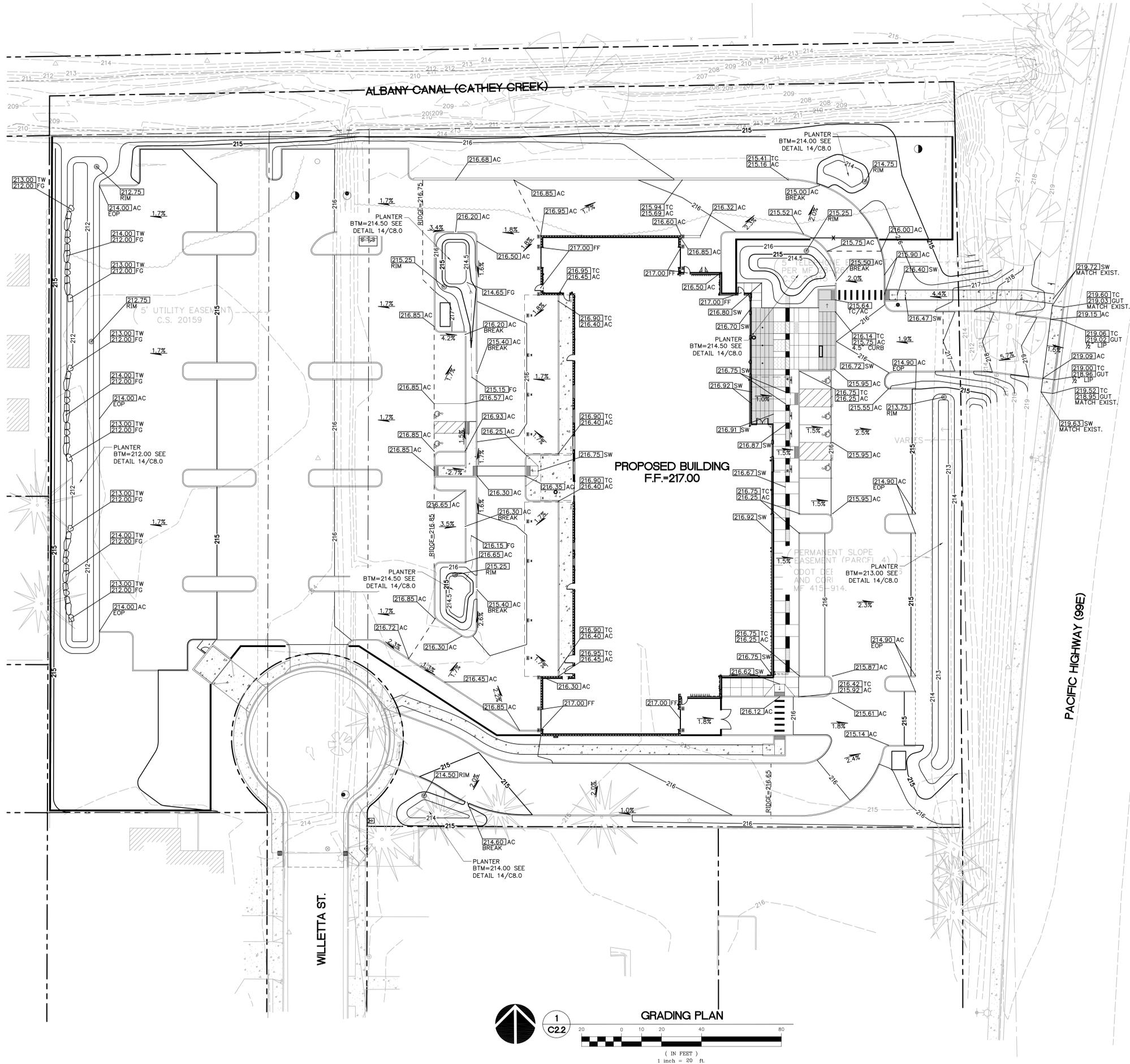
TREE ID #	TYPE	TRUNK DIAMETER	CANOPY (S.F.)	REMOVE/RETAIN	ON-SITE/ROW
A	DECIDUOUS	4" DIAMETER	113 S.F.	REMOVE	ON-SITE
B	PINE	18" DIAMETER	706 S.F.	REMOVE	ON-SITE
C	PINE	16" DIAMETER	452 S.F.	REMOVE (DEAD)	ON-SITE
D	PINE	16" DIAMETER	452 S.F.	REMOVE	ON-SITE
E	PINE	24" DIAMETER	804 S.F.	REMOVE	ON-SITE
F	DECIDUOUS	24" DIAMETER	1,017 S.F.	REMOVE	ROW



## SITE PLAN

1  
C2.1

( IN FEET )  
1 inch = 20 ft.



### GRADING NOTES

- ROUGH GRADING:** BRING ALL FINISH GRADES TO APPROXIMATE LEVELS INDICATED. WHERE GRADES ARE NOT OTHERWISE INDICATED, FINISH GRADES ARE TO BE THE SAME AS ADJACENT SIDEWALKS, CURBS, OR THE OBVIOUS GRADE OF ADJACENT STRUCTURE. GRADE TO UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE GRADES ARE GIVEN. ROUND OFF SURFACES. AVOID ABRUPT CHANGES IN LEVELS. ROUGH GRADE TO ALLOW FOR DEPTH OF CONCRETE SLABS, WALKS, AND THEIR BASE COURSES. GRADE FOR PAVED DRIVES AND PAVED PARKING AREAS AS INDICATED AND SPECIFIED HEREIN, AND PROVIDE FOR SURFACE DRAINAGE AS SHOWN, ALLOWING FOR THICKNESS OF SURFACING MATERIAL.  
**FINISH GRADING:** AT COMPLETION OF JOB AND AFTER BACKFILLING BY OTHER CRAFTS HAS BEEN COMPLETED, REFILL AND COMPACT AREAS WHICH HAVE SETTLED OR ERODED TO BRING TO FINAL GRADES.  
**GRADING TOLERANCES:**  
ROUGH GRADE AT PAVED OR LANDSCAPED AREAS: ±0.1 FT. FINISH GRADE PRIOR TO PLACING FINAL SURFACING: ±0.03 FT.
- EXCAVATION:** EXCAVATE FOR SLABS, PAVING, AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL. EXCAVATOR(S) MUST COMPLY WITH O.R.S. 757.541 THROUGH 757.571; EXCAVATOR(S) SHALL NOTIFY ALL UTILITY COMPANIES FOR LINE LOCATIONS 72 HOURS (MINIMUM) PRIOR TO START OF WORK. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
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- SITE TOPSOIL SHALL BE STOCKPILED DURING CONSTRUCTION AND USED FOR LANDSCAPING.
- THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS BASED ON A SURVEY BY K&D ENGINEERING AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS WITH HIS OWN RESOURCES PRIOR TO START OF ANY CONSTRUCTION.
- CONTRACTOR TO COORDINATE GRADES AT ENTRANCE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- 1.5% MAXIMUM SLOPE AT ALL ADA-COMPLIANT PARKING SPACES AND LOADING ZONES.
- 5% MAX SLOPE (EXCLUDING RAMPS) AT PEDESTRIAN SIDEWALK CONNECTIONS BETWEEN PUBLIC R.O.W. AND BUILDING ENTRANCES.
- WHERE SLOPES ARE STEEPER THAN 3:1, CONTRACTOR SHALL INSTALL JUTE MATTING. SLOPE SHALL BE PREPARED TO ENSURE COMPLETE AND DIRECT CONTACT OF MATTING WITH SOIL. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

### SITE PREPARATION NOTES

- DUE TO THE WIDESPREAD PRESENCE OF CLAYEY SOILS ON-SITE, AFTER STRIPING THE SITE A MINIMUM OF 6" TO REMOVE ROOTS AND SOD, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE OVER-EXCAVATION AN ADDITIONAL 24" BELOW PAVEMENTS AND BUILDING FOUNDATIONS AND FOOTINGS. REFER TO THE GEOTECHNICAL REPORT FOR THE ALBANY FIRE STATION PROVIDED BY FOUNDATION ENGINEERING, INC. FOR RECOMMENDATIONS AND REQUIREMENTS.

### LEGEND

PROPERTY LINE	---
EXISTING CONTOUR	--- 214 ---
PROPOSED 1-FT CONTOUR	--- 214 ---
PROPOSED 5-FT CONTOUR	--- 215 ---
EXISTING EASEMENT	---
VERTICAL CURB	---
EDGE OF PAVEMENT	EOP
ASPHALT	AC
CONCRETE	CONC
FINISHED GRADE	FG
FINISHED FLOOR	FF
TOP OF CURB	TC
SIDEWALK	SW
TOP OF WALL	TW



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REVISIONS:

NO.	REVISIONS	REVISION DELTA	CLOSING DATE

SHEET TITLE:  
**GRADING PLAN**

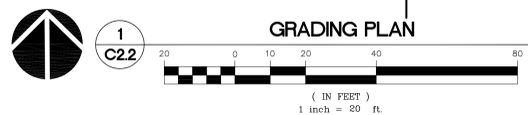
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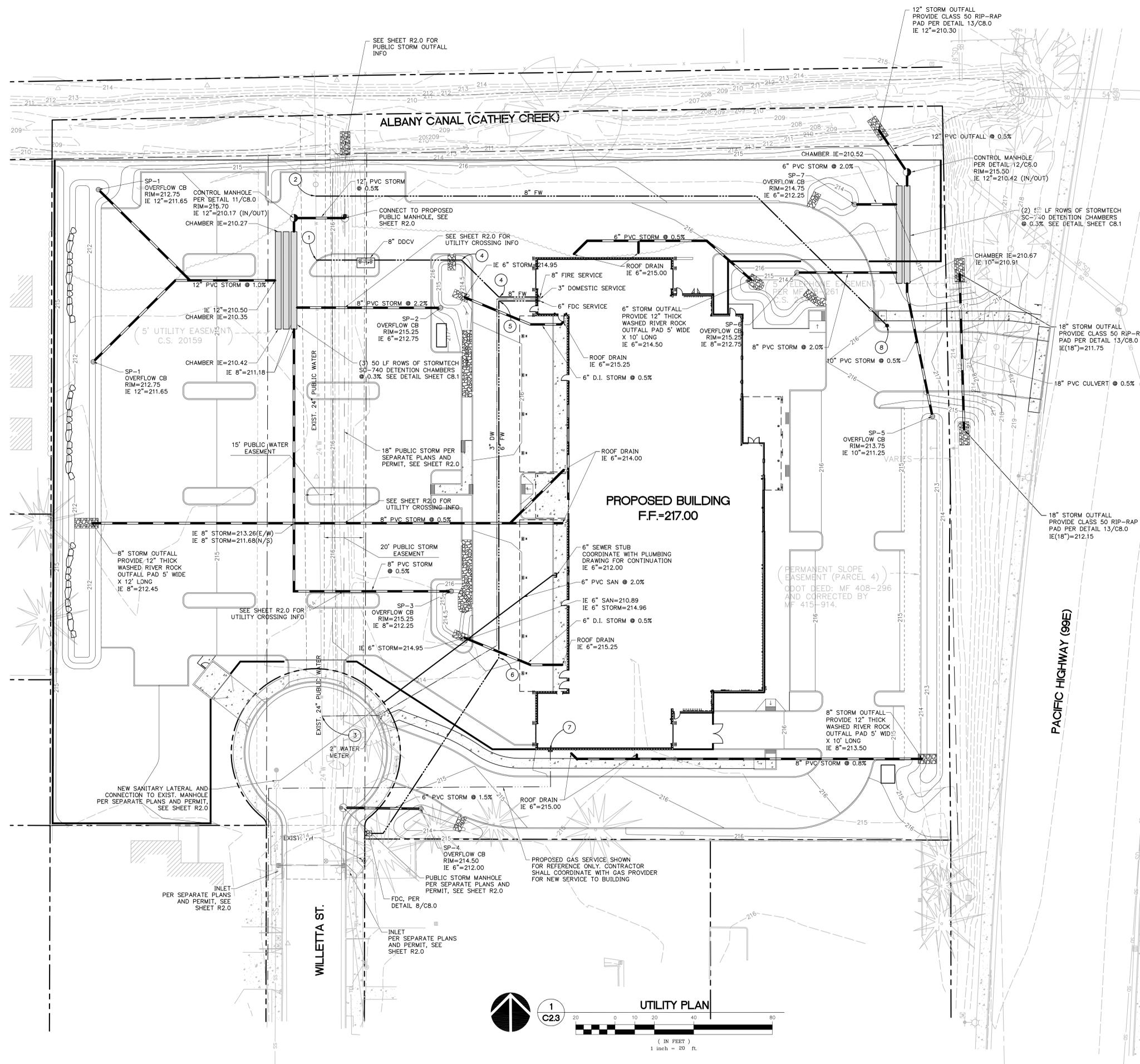
CHECKED BY: RVS

SHEET

**C2.2**

JOB NO. 2140284.00





**UTILITY NOTES**

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- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES LAYING WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDING SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
- PROVIDE CLEANOUTS AS REQUIRED IN THE CURRENT UNIFORM PLUMBING CODE CHAPTER 7, SECTIONS 707 AND 719, AND CHAPTER 11, SECTION 1101.12. NOTE: NOT ALL REQUIRED CLEANOUTS ARE SHOWN ON THE PLANS.
- ALL STORM PIPING IS SIZED FOR A MANNING'S "N" VALUE = 0.013. ALL STORM PIPING IS DESIGNED USING CONCENTRIC PIPE TO PIPE AND WYE FITTINGS, UNLESS OTHERWISE NOTED.
- SEE MECHANICAL DRAWINGS FOR UTILITIES LOCATED WITHIN THE BUILDING AND TO 5' OUTSIDE THE BUILDING.
- ALL DOWNSPOUT LEADERS TO BE 6" AT 2.0% MIN.
- UNLESS NOTED OTHERWISE, VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES BY POT-HOLING PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF DISCREPANCIES.
- THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS BASED ON A SURVEY PREPARED BY K&D ENGINEERING DATED JULY 23, 2015.
- CONTRACTOR TO PROVIDE POWER TO IRRIGATION CONTROLLER. SEE SPECIFICATIONS AND LANDSCAPE PLANS.
- SEE BUILDING PLUMBING DRAWINGS FOR PIPING WITHIN THE BUILDING AND UP TO 5' OUTSIDE THE BUILDING, INCLUDING ANY FOUNDATION DRAINAGE PIPING.
- CONTRACTOR TO MAINTAIN MINIMUM 3 FT OF COVER OVER ALL WATER LINE. DEPENDING ON THE DEPTH OF EXISTING UTILITIES AND OTHER REQUIREMENTS, NEW WATER PIPE MAY REQUIRE A DEEPER BURY TO MAINTAIN MINIMUM COVER.
- PIPE RESTRAINT SHOWN AND CALLED OUT SHALL BE MEGALUG OR APPROVED EQUAL.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PROVIDE SUBMITTAL FOR APPROVAL BY ENGINEER FOR EACH ARCH CHAMBER DETENTION SYSTEM

**LEGEND**

	EXISTING	PROPOSED
PROPERTY LINE	---	---
1'-FT CONTOUR	--- 214 ---	--- 214 ---
5'-FT CONTOUR	--- 215 ---	--- 215 ---
EASEMENT	---	---
VERTICAL CURB	---	---
STORM	---	---
PUBLIC STORM	---	---
SANITARY SEWER	---	---
FIRE WATER	---	---
DOMESTIC WATER	---	---
OVERHEAD POWER	---	---
STORM MANHOLE	○	○
STORM CATCH BASIN	□	□
LIGHT	☆	☆
FIRE HYDRANT	⊕	⊕
FDC	⊕	⊕

**KEYNOTES**

- PUBLIC WATER CONNECTION PER SHEET R2.0
- SEE SHEET R2.0 FOR FIRE HYDRANT CONNECTION
- SEE SHEET R2.0 FOR DOMESTIC WATER CONNECTION
- 8"-45" BEND, RESTRAIN JOINTS 14' IN BOTH DIRECTIONS
- 6"-90" BEND, RESTRAIN JOINTS 25' IN BOTH DIRECTIONS
- 6"-45" AND 11.25" BEND, RESTRAIN JOINTS 14' IN BOTH DIRECTIONS
- GAS METER LOCATION, COORDINATE WITH MEP DRAWINGS
- FIRE HYDRANT PER CITY OF ALBANY DETAIL 504

**STORMWATER PLANTER SIZING TABLE**

STORMWATER PLANTER	BOTTOM AREA (SF)	BOTTOM ELEVATION	SIZING FACTOR	CONTRIBUTING AREAS	IMPERVIOUS AREA TREATED (SF)
SP-1	2215	212.00	Water Quality Storm - 17/24 Hr	PA-1, RA-9, RA-10	46,776
SP-2	225	214.50	0.018	PA-2, RA-8	9,304
SP-3	191	214.50	0.018	PA-3, RA-11	8,447
SP-4	177	214.00	0.018	PA-4	5,717
SP-5	947	213.00	0.018	PA-5, RA-1, RA-2	18,848
SP-6	311	214.50	0.018	PA-6, RA-3, RA-4, RA-5, RA-6, RA-7	15,184
SP-7	161	214.00	0.018	PA-7	5,058



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REVISIONS:

NO.	DATE	REVISIONS	REVISION DELTA	CLOSING DATE

SHEET TITLE:  
**UTILITY PLAN**

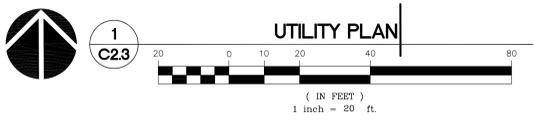
DRAWN BY: BTS

CHECKED BY: RVS

SHEET

**C2.3**

JOB NO. 2140284.00







REVISIONS:

NO.	DATE	REVISIONS	REVISION DELTA	CLOSING DATE

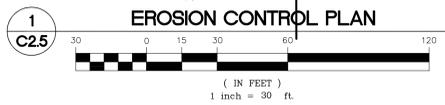
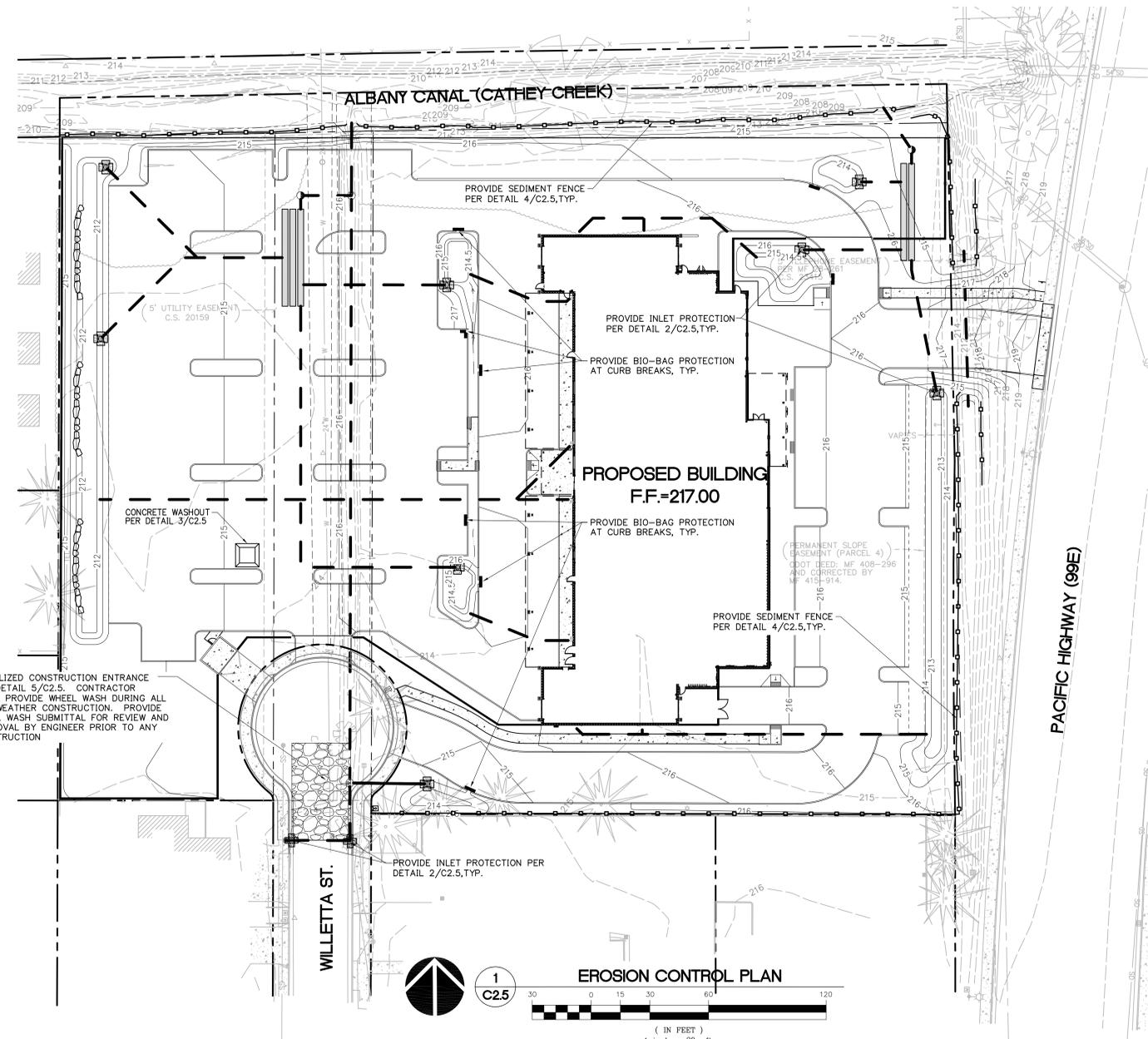
Site condition	INSPECTION FREQUENCY	
	Minimum Frequency	Minimum Frequency
1. Active Period	Daily when stormwater runoff, including runoff from snowmelt, is occurring. At least once every two weeks, regardless of whether or not runoff is occurring.	
2. Prior to the site becoming inactive or in anticipation of site inaccessibility.	Once to ensure that erosion and sediment control measures are in working order. Any necessary maintenance and repair must be made prior to leaving the site.	
3. Inactive periods greater than fourteen (14) calendar days.	Once every two (2) weeks.	
4. Periods during which the site is inaccessible due to inclement weather.	If practical, inspections must occur daily at a relevant and accessible discharge point or downstream location.	

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.C.I.(3))
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
- INSPECTION LOGS MUST BE KEPT ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS.
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION. (SCHEDULE B.2.A)
- ALL PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SCHEDULE A.8.A)
- THE ESCP MEASURES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, UPGRADE THESE MEASURES AS NEEDED TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL EROSION AND SEDIMENT CONTROL REGULATIONS. (SCHEDULE A.8.C.I.(1)(C))
- SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT. (SCHEDULE A.12.C.II)
- PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SCHEDULE A.8.C.I.(1)(D))
- IDENTIFY, MARK, AND PROTECT (BY FENCING OFF OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING SYSTEMS, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SCHEDULE A.8.C.I.(1) & (2))
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SCHEDULE A.7.B.II.(1) AND A.7.B.II.(3))
- EROSION AND SEDIMENT CONTROL MEASURES INCLUDING PERIMETER CONTROL MUST BE IN PLACE BEFORE VEGETATION IS DISTURBED AND MUST REMAIN IN PLACE AND BE MAINTAINED, REPAIRED, AND PROMPTLY IMPLEMENTED FOLLOWING PROCEDURES ESTABLISHED FOR THE DURATION OF CONSTRUCTION, INCLUDING PROTECTION FOR ACTIVE STORM DRAIN INLETS AND CATCH BASINS AND APPROPRIATE NON-STORMWATER POLLUTION CONTROLS. (SCHEDULE A.7.D.I AND A.8.C)
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SCHEDULE A.8.C.I.(3))
- APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES AND FOR ALL ROADWAYS INCLUDING GRAVEL ROADWAYS. (SCHEDULE A.8.C.II.(2))
- ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SCHEDULE A.8.C.I.(7))
- PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: GRAVELLED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED AREAS LOCATED ONSITE, USE AN EXIT TIRE WASH. THESE BMPs MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES. (SCHEDULE A.7.D.II.(1) AND A.8.C.I.(4))
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SCHEDULE A.7.D.II.(3))
- USE BMPs TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS, VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE. OTHER CLEANING AND MAINTENANCE ACTIVITIES AND WASTE HANDLING ACTIVITIES THAT RELEASE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, LEFTOVER PAINTS, SOLVENTS, AND GLUES FROM CONSTRUCTION OPERATIONS. (SCHEDULE A.7.E.I.(2))
- IMPLEMENT THE FOLLOWING BMPs WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SCH A.7.E.II.)
- USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SCHEDULE A.7.B.II)
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SCHEDULE A.9.B.II)
- IF A STORMWATER TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SCHEDULE A.9.D)
- TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SCHEDULE A.7.B)
- AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPs MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SCHEDULE 7.E.II.(2))
- CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND DURING WET WEATHER. (SCHEDULE A.7.A.I)
- SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SCHEDULE A.9.C.I)
- OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT. AND BEFORE BMP REMOVAL. (SCHEDULE A.9.C.II)
- CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SCHEDULE A.9.C.III & IV)
- WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIMEFRAME. (SCHEDULE A.9.B.I)
- THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SCHEDULE A.9.B.II)
- THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE. (SCHEDULE A.7.F.I)
- PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TOP LAYER OF LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SCHEDULE A.7.F.II)
- PROVIDE PERMANENT EROSION CONTROL MEASURES ON ALL EXPOSED AREAS. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. HOWEVER, DO REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AS BECOMING STABILIZED, UNLESS DOING SO CONFLICTS WITH LOCAL REQUIREMENTS. PROPERLY DISPOSE OF CONSTRUCTION MATERIALS AND WASTE, INCLUDING SEDIMENT RETAINED BY TEMPORARY BMPs. (SCHEDULE A.7.B.II.(2) AND A.8.C.II)

**TEMPORARY GRASSES AND PERMANENT VEGETATIVE COVER**

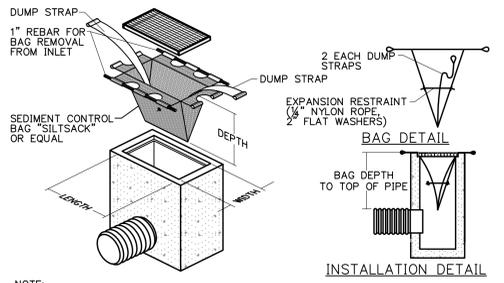
PURPOSE: TO MINIMIZE EROSION AND SEDIMENTATION BY STABILIZING EXPOSED SOILS WITH VEGETATION AND MULCHING.  
NOTE: TEMPORARY ESTABLISHMENT MAY DIFFER FROM PERMANENT VEGETATED COVER (THE BEST EROSION PREVENTION TECHNIQUE) WHICH USES MANY OF THE SAME DESIGN AND IMPLEMENTATION PRINCIPLES AS SET OUT BELOW. CONDITIONS WHERE PRACTICE APPLIES:  
- GROUND SURFACES LIKELY TO BE EXPOSED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30) OR SURFACES LIKELY TO BE EXPOSED FOR MORE THAN 3 WEEKS DURING DRY SEASON.  
- AREAS THAT WILL NOT BE SUBJECTED TO WEAR OR ARE NOT WORKING SOILS PILES USED BY ONGOING CONSTRUCTION TRAFFIC.  
- EXPOSED GROUND SURFACES AT END OF CONSTRUCTION PERIOD (PERMANENT COVER MUST BE ESTABLISHED PRIOR TO REMOVAL OF ANY EROSION CONTROL - TEMPORARY OR PERMANENT STABILIZATION OF NEW OR DISTURBED DITCHES, PONDS, TRENCHES, DIKES OR SWALES  
- ALL VEGETATION SITES REQUIRE SOME SURFACE ROUGHENING: STAIR STEP, GROOVING, FURROWING OR TRACKING.  
- TEMPORARY GRASS COVER BMPs MUST BE FULLY ESTABLISHED BY OCTOBER 1 OR OTHER COVER BMPs (MULCH, BLANKETS, ETC.) WILL HAVE TO BE IMPLEMENTED UNTIL ADEQUATE GRASS COVERAGE IS ACHIEVED. TO ESTABLISH AN ADEQUATE GRASS STAND FOR CONTROLLING EROSION BY OCTOBER 1, IT IS RECOMMENDED THAT SEEDING AND MULCHING OCCUR BY SEPTEMBER 1. (SEE CHAPTER 1 FOR REQUIRED JURISDICTION SPECIFIC PLANTING DATE).  
- SOIL PREPARATION-TOPSOIL SHOULD BE PREPARED ACCORDING TO LANDSCAPE PLANS, IF AVAILABLE, OR RECOMMENDATIONS OF GRASS SEED SUPPLIER.  
- SEEDING-RECOMMENDED EROSION CONTROL GRASS SEED MIXES ARE AS SPECIFIED BELOW. SIMILAR MIXES DESIGNED TO ACHIEVE EROSION CONTROL MAY BE SUBSTITUTED IF APPROPRIATE BY JURISDICTION. IN GENERAL, USE OF QUICK GROWING, STERILE GRASSES AND GRAINS IN MIXTURE WITH PERMANENT VEGETATIVE COVER IS RECOMMENDED TO ACHIEVE QUICK COVER OF EXPOSED SOILS. THE DESIGNER OR CONTRACTOR ARE ENCOURAGED TO USE MIXES OF NATIVE GRASSES THAT CAN BE INCORPORATED INTO A PERMANENT VEGETATIVE COVER.

**DWARF GRASS MIX (LOW HEIGHT, LOW MAINTENANCE):**  
DWARF PERENNIAL RYEGRASS, 80 PERCENT BY SEED COUNT  
CREeping RED FESCUE, 20 PERCENT BY SEED COUNT  
APPLICATION RATE: 100 POUNDS MINIMUM PER ACRE

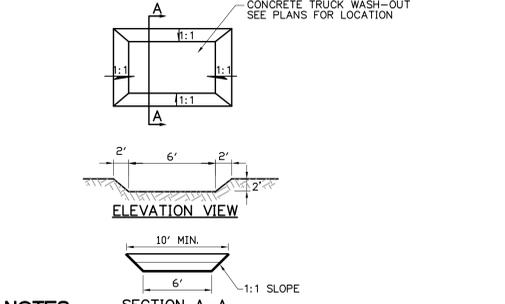


**LEGEND**

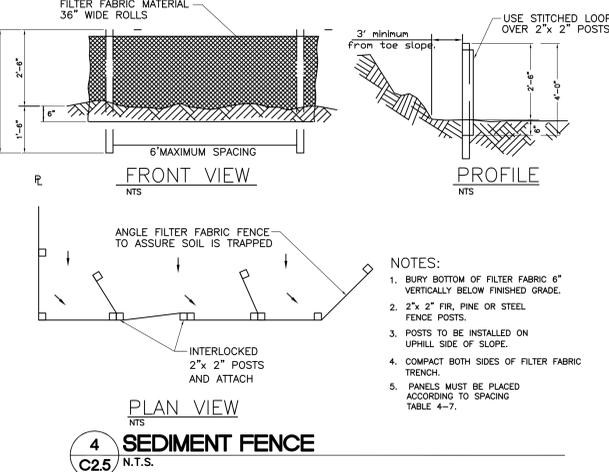
- 199 EXISTING CONTOUR
- 198 PROPOSED CONTOUR
- SEDIMENT FENCE
- AREA DRAIN INLET PROTECTION



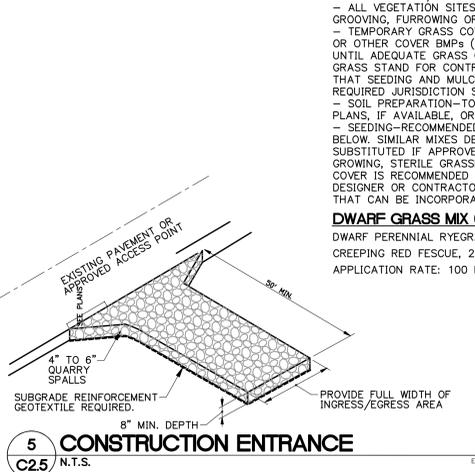
- 2 CATCH BASIN SEDIMENT FILTER BAG**  
C2.5 N.T.S.
- NOTE:  
1. THE DIMENSION CHART ABOVE IS FOR STANDARD CATCH BASINS AND INLETS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CORRECT SIZE DEVICE FOR EACH INLET.  
2. THE CONTRACTOR SHALL MEASURE DIMENSIONS IN THE FIELD AND ORDER THE APPROPRIATE SIZE(S).  
3. THE INLET SEDIMENT CONTROL DEVICE SHALL BE OF NORMAL FLOW DESIGN (40 GAL/MIN/SP) AS PER THE MANUFACTURER'S SPECS.  
4. THE SEDIMENT CONTROL DEVICE SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED A MINIMUM ONCE PER MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.  
5. SUBSTITUTION OF A SHEET OF FILTER FABRIC PLACED OVER THE OPENING OF THE INLET IS NOT APPROVED.



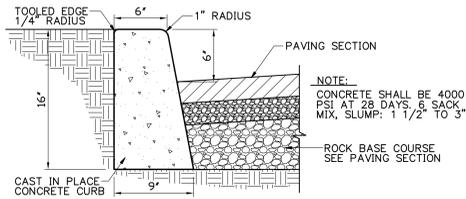
- 3 CONCRETE WASH-OUT**  
C2.5 N.T.S.
- NOTE:  
1. CONCRETE WASHOUT AREA LOCATED SO RUNOFF CANNOT ENTER STORM SYSTEM. IF WASH-OUT CANNOT BE LOCATED MINIMUM OF 60' FROM ENTRY TO STORM SYSTEM, THEN SECONDARY MEASURES SUCH AS BERMS AND TEMPORARY SETTLING PITS MAY BE REQUIRED.  
2. CONTRACTOR SHALL CLEAN OUT CONCRETE TRUCK WASH-OUT AREA WHEN WHEN DEPTH REACHES 1".  
3. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL CONCRETE FOLLOWING CONSTRUCTION AND BACKFILL AREA WITH NATIVE MATERIAL AND GRADE SMOOTH.



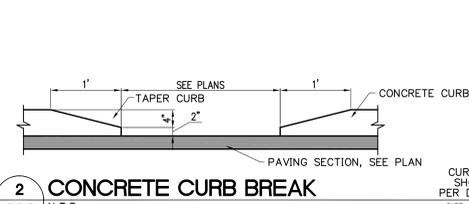
- 4 SEDIMENT FENCE**  
C2.5 N.T.S.
- NOTE:  
1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.  
2. 2" x 2" FIR, PINE OR STEEL FENCE POSTS.  
3. POSTS TO BE INSTALLED ON UPHILL SIDE OF SLOPE.  
4. COMPACT BOTH SIDES OF FILTER FABRIC TRENCH.  
5. PANELS MUST BE PLACED ACCORDING TO SPACING TABLE 4-7.



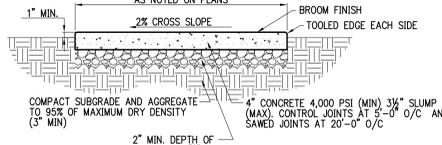
- 5 CONSTRUCTION ENTRANCE**  
C2.5 N.T.S.



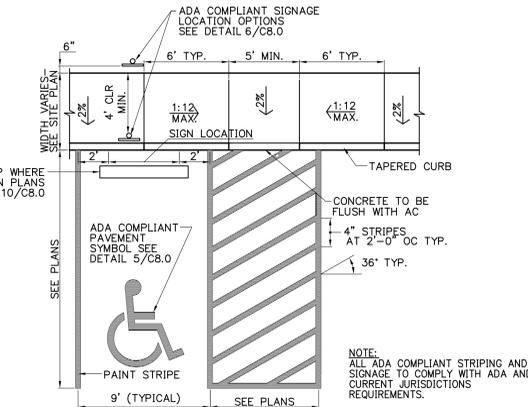
**1 CONCRETE VERTICAL CURB**  
C8.0 N.T.S.



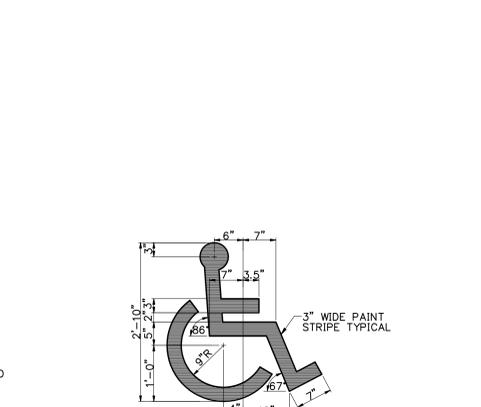
**2 CONCRETE CURB BREAK**  
C8.0 N.T.S.



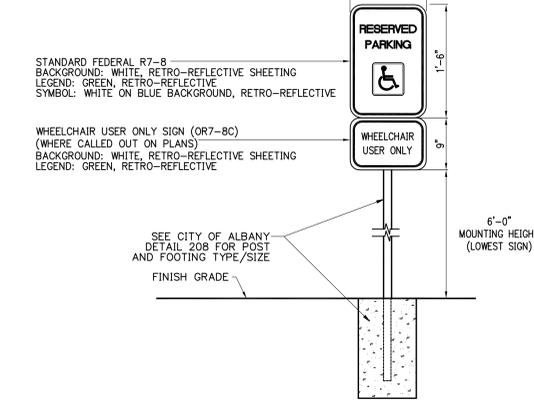
**3 CONCRETE SIDEWALK**  
C8.0 N.T.S.



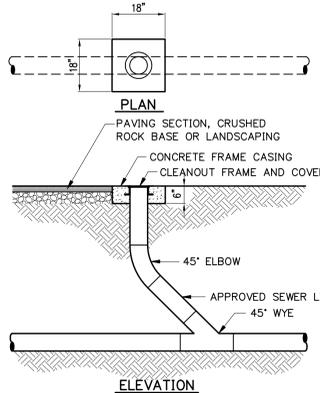
**4 ADA COMPLIANT PARKING STALL**  
C8.0 N.T.S.



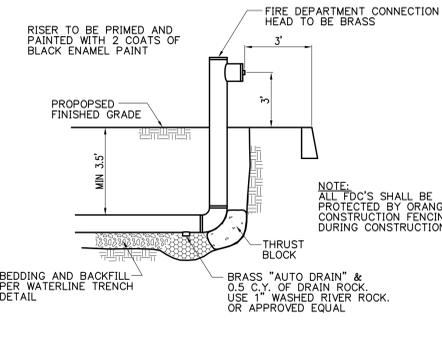
**5 ADA COMPLIANT PARKING SYMBOL**  
C8.0 N.T.S.



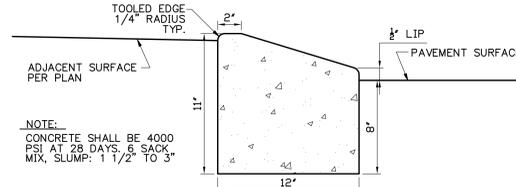
**6 ADA COMPLIANT VAN PARKING SIGN**  
C8.0 N.T.S.



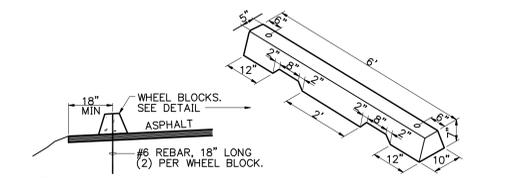
**7 CLEANOUT**  
C8.0 N.T.S.



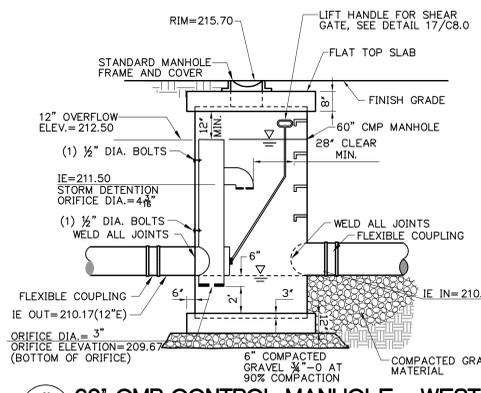
**8 FDC DETAIL**  
C8.0 N.T.S.



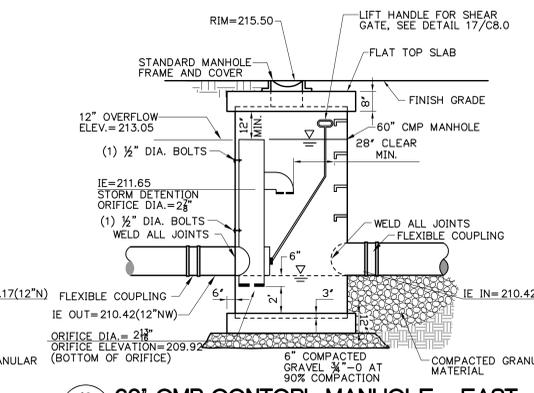
**9 12' WIDE MOUNTABLE CURB**  
C8.0 N.T.S.



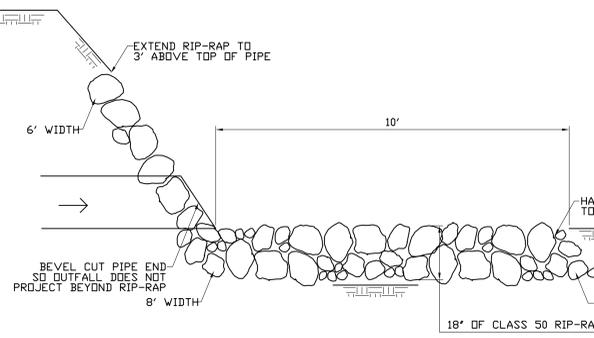
**10 PRECAST CURB STOP**  
C8.0 N.T.S.



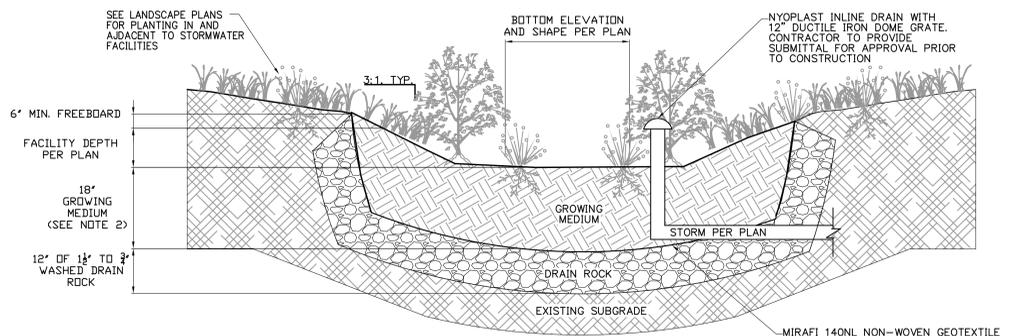
**11 60" CMP CONTROL MANHOLE - WEST**  
C8.0 N.T.S.



**12 60" CMP CONTROL MANHOLE - EAST**  
C8.0 N.T.S.



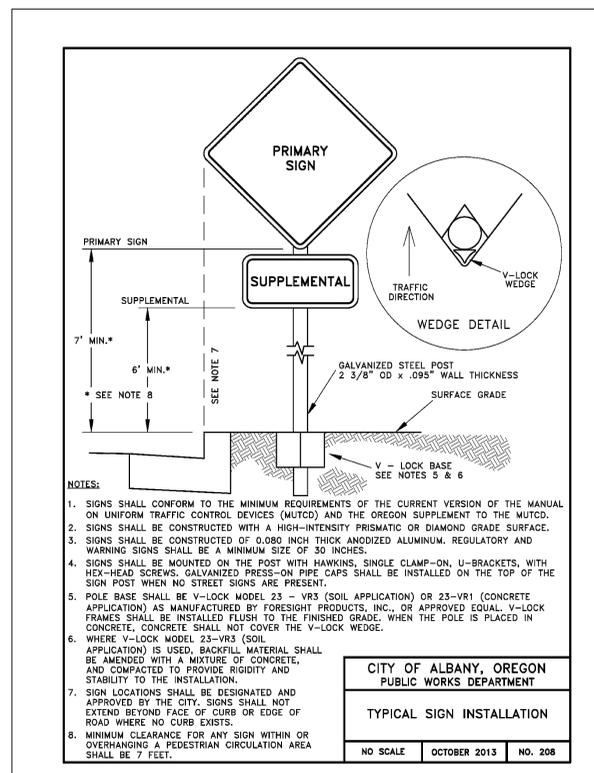
**13 RIP-RAP AT PIPE OUTFALL**  
C8.0 N.T.S.



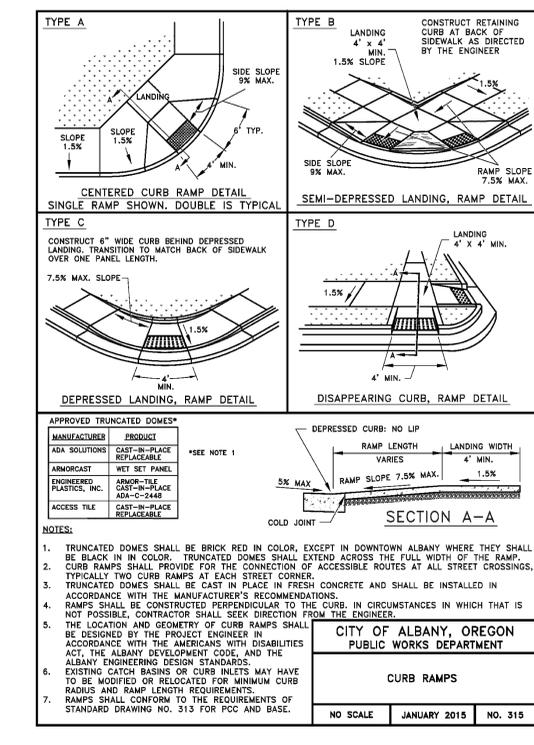
**WATER QUALITY FACILITY NOTES**

- PROTECT WATER QUALITY FACILITY AREA FROM ALL VEHICLE TRAFFIC AND EQUIPMENT STAGING IN PROPOSED INFILTRATION AREA PRIOR TO AND DURING CONSTRUCTION. IF INFILTRATION AREAS ARE COMPACTED DURING CONSTRUCTION, SCARIFY THE SUBGRADE TO 12" MIN. TO PROMOTE INFILTRATION THROUGH THE SUBGRADE SOILS PRIOR TO GROWING MEDIUM SOIL LAYERS.
- REFER TO LANDSCAPE PLANS FOR GROWING MEDIUM SOIL SPECIFICATIONS AND REQUIREMENTS.

**14 STORMWATER BASIN SECTION**  
C8.0 N.T.S.



**CITY OF ALBANY, OREGON**  
**PUBLIC WORKS DEPARTMENT**  
**TYPICAL SIGN INSTALLATION**  
NO SCALE OCTOBER 2013 NO. 208



**CITY OF ALBANY, OREGON**  
**PUBLIC WORKS DEPARTMENT**  
**CURB RAMPS**  
NO SCALE JANUARY 2015 NO. 315





REVISIONS:

NO.	DATE	REVISIONS	REVISION DELTA

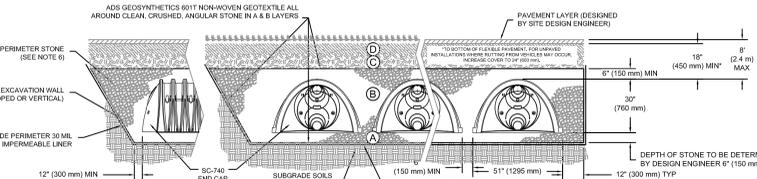
**STORMTECH GENERAL NOTES**

- STORMTECH ("STORMTECH") REQUIRES INSTALLING CONTRACTORS TO USE AND UNDERSTAND STORMTECH'S LATEST SC-740 INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION.
- STORMTECH OFFERS INSTALLATION CONSULTATIONS TO INSTALLING CONTRACTORS. CONTACT OUR TECHNICAL SERVICE DEPARTMENT OR LOCAL STORMTECH REPRESENTATIVE AT LEAST 30 DAYS PRIOR TO SYSTEM INSTALLATION TO ARRANGE A PRE-INSTALLATION CONSULTATION. OUR REPRESENTATIVES CAN THEN ANSWER QUESTIONS OR ADDRESS COMMENTS ON THE STORMTECH CHAMBER SYSTEM AND INFORM THE INSTALLING CONTRACTOR OF THE MINIMUM INSTALLATION REQUIREMENTS BEFORE BEGINNING THE SYSTEM'S CONSTRUCTION. CALL 860-529-8188 TO SPEAK TO A TECHNICAL SERVICE REPRESENTATIVE OR VISIT [WWW.STORMTECH.COM](http://WWW.STORMTECH.COM) TO RECEIVE A COPY OF OUR INSTALLATION INSTRUCTIONS.
- STORMTECH REQUIREMENTS FOR SC-740 SYSTEMS WITH PAVEMENT DESIGN (ASPHALT, CONCRETE PAVERS, ETC.): MINIMUM COVER IS 18" (450 mm) NOT INCLUDING PAVEMENT; MAXIMUM COVER IS 8.0' (2.4 m) INCLUDING PAVEMENT. FOR INSTALLATIONS THAT DO NOT INCLUDE PAVEMENT, WHERE RUTTING FROM VEHICLES MAY OCCUR, MINIMUM REQUIRED COVER IS 30" (762 mm), MAXIMUM COVER IS 8.0' (2.4 m).
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH THE BEARING CAPACITY OF THE CHAMBER FOUNDATION MATERIALS TO THE DESIGN ENGINEER.
- ADS 601T (OR EQUAL) NON-WOVEN GEOTEXTILE (FILTER FABRIC) MUST BE USED AS INDICATED IN THE PROJECT PLANS.
- STONE PLACEMENT BETWEEN CHAMBERS ROWS AND AROUND PERIMETER MUST FOLLOW INSTRUCTIONS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH SC-740 INSTALLATION INSTRUCTIONS.
- BACKFILLING OVER THE CHAMBERS MUST FOLLOW REQUIREMENTS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH SC-740 INSTALLATION INSTRUCTIONS.
- THE CONTRACTOR MUST REFER TO STORMTECH SC-740 INSTALLATION INSTRUCTIONS FOR A TABLE OF ACCEPTABLE VEHICLE LOADS AT VARIOUS DEPTHS OF COVER. THIS INFORMATION IS ALSO AVAILABLE ON THE STORMTECH WEBSITE: [WWW.STORMTECH.COM](http://WWW.STORMTECH.COM). THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING VEHICLES THAT EXCEED STORMTECH REQUIREMENTS FROM TRAVELING ACROSS OR PARKING OVER THE STORMWATER SYSTEM. TEMPORARY FENCING, WARNING TAPE AND APPROPRIATELY LOCATED SIGNS ARE COMMONLY USED TO PREVENT UNAUTHORIZED VEHICLES FROM ENTERING SENSITIVE CONSTRUCTION AREAS.
- THE CONTRACTOR MUST APPLY EROSION AND SEDIMENT CONTROL MEASURES TO PROTECT THE STORMWATER SYSTEM DURING ALL PHASES OF SITE CONSTRUCTION PER LOCAL CODES AND DESIGN ENGINEER'S SPECIFICATIONS.
- STORMTECH PRODUCT WARRANTY IS LIMITED.** CONTACT STORMTECH FOR WARRANTY INFORMATION.

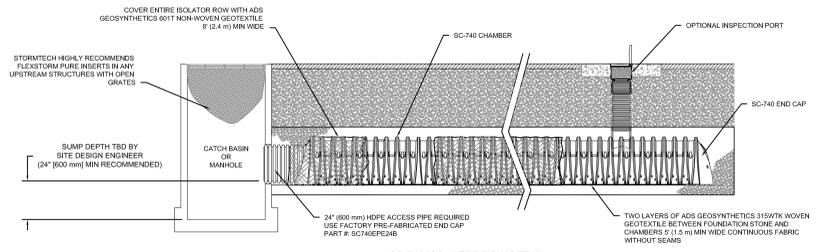
**ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	ASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDEDMENT STONE ('E' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'C' LAYER.	AASHTO M451 A-1, A-2, A-3 OR AASHTO M451 3, 307, 4, 407, 5, 50, 57, 6, 67, 68, 7, 78, 8, 9, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX. LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 93% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 10,000 lbs (45 kN), DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (90 kN).
B	EMBEDEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M451 3, 307, 4, 407, 5, 50, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M451 3, 307, 4, 407, 5, 50, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.

PLEASE NOTE:  
1. THE LISTED ASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR #4 (19mm) MAX STONES".  
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR. WHERE FLEXION SURFACES MAY BE COMPROMISED BY COMPACTION FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR BRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD CONDITIONS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



**NOTES:**  
1. SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2419 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".  
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2797 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".  
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDEDMENT, AND FILL MATERIALS.  
4. THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.  
5. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.  
6. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.  
7. ONCE LAYER 'C' IS PLACED, ANY LOCAL MATERIAL CAN BE REPLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



ADS THE DESIGN ENGINEER SHALL REVIEW THE DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT IS IDENTIFIED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

**Stormtech**  
20 BEAVER ROAD, SUITE 104 | WETHERSFIELD, CT 06189  
PHONE: 860.529.8188 | FAX: 860.529.8187  
WWW.STORMTECH.COM

SC-740 STORMTECH GENERAL NOTES  
SCALE: NTS  
DATE: 01.04.16  
DRAWN BY:  
CHECKED:

ADS THE DESIGN ENGINEER SHALL REVIEW THE DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT IS IDENTIFIED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

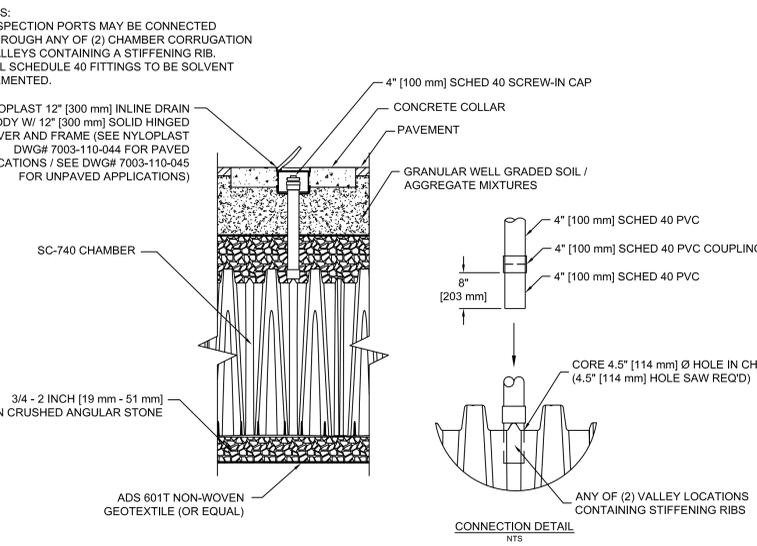
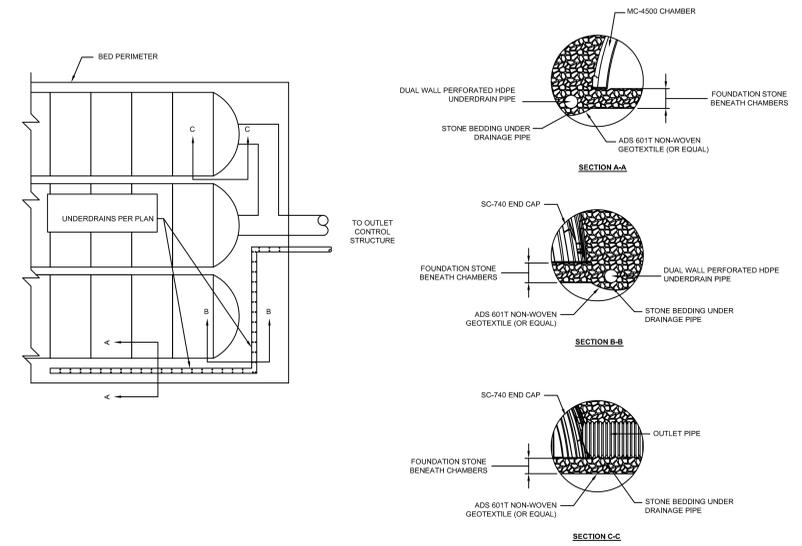
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SC-740 FILL MATERIALS/CROSS SECTION  
SCALE: NTS  
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SC-740-ISOLATOR-ROW  
SCALE: NTS  
DATE: 01.04.16  
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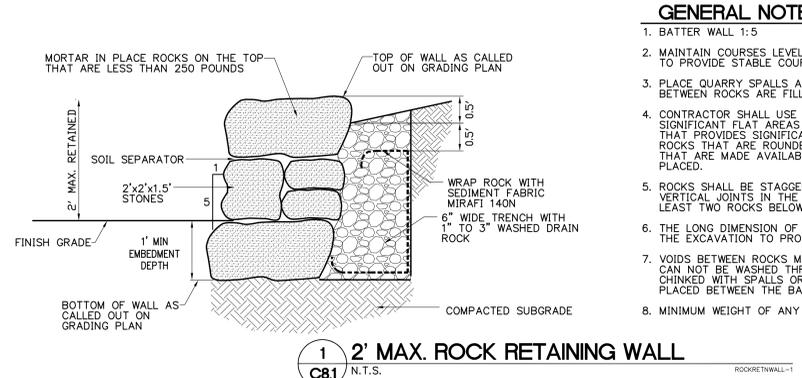
**Stormtech**  
20 BEAVER ROAD, SUITE 104 | WETHERSFIELD, CT 06189  
PHONE: 860.529.8188 | FAX: 860.529.8187  
WWW.STORMTECH.COM

SC-740 UNDERDRAIN DETAIL  
SCALE: NTS  
DATE: 01.04.16  
DRAWN BY:  
CHECKED:

ADS THE DESIGN ENGINEER SHALL REVIEW THE DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT IS IDENTIFIED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

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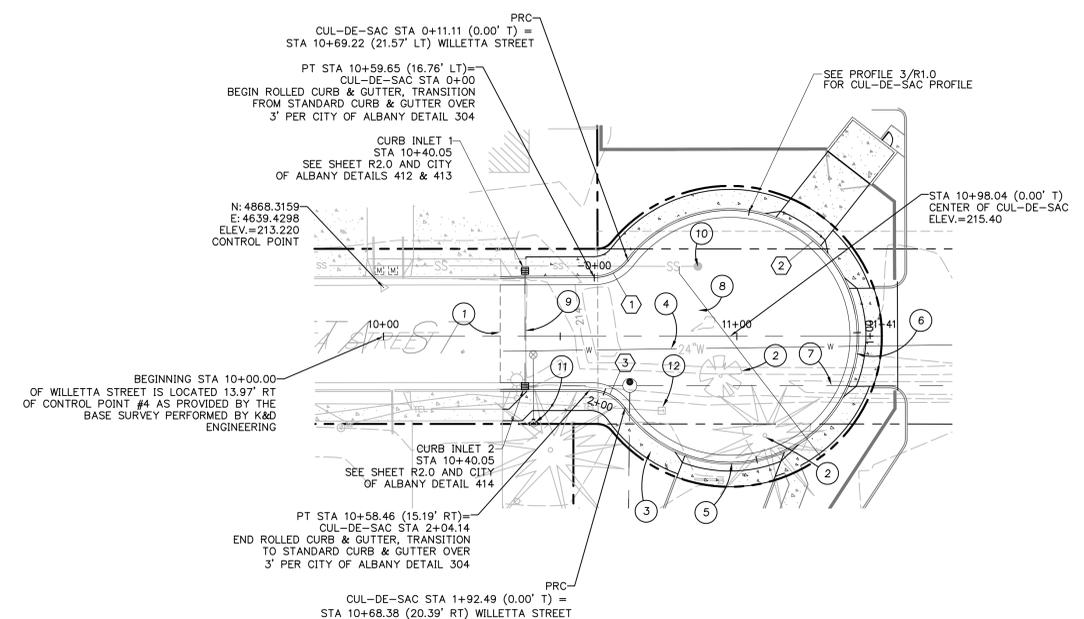
SC-740 INSPECTION PORT DETAIL  
SCALE: NTS  
DATE: 01.04.16  
DRAWN BY:  
CHECKED:



**GENERAL NOTES**

- BATTER WALL 1:5
- MAINTAIN COURSES LEVEL AND SHIM WITH EARTH AND STONE CHIPS TO PROVIDE STABLE COURSING.
- PLACE QUARRY SPALLS AS REQUIRED, SUCH THAT OPENINGS BETWEEN ROCKS ARE FILLED.
- CONTRACTOR SHALL USE QUARRY STONES THAT CONTAIN SIGNIFICANT FLAT AREAS AND WHICH CAN BE PLACED IN A MANNER THAT PROVIDES SIGNIFICANT BEARING BETWEEN ROCK COURSES. ROCKS THAT ARE ROUNDED, OR THAT DO NOT MATCH THE SPACES THAT ARE MADE AVAILABLE BY THE LOWER COURSE SHALL NOT BE PLACED.
- ROCKS SHALL BE STAGGERED SO THAT THERE ARE NO CONTINUOUS VERTICAL JOINTS IN THE WALL. EACH ROCK MUST BEAR ON AT LEAST TWO ROCKS BELOW IT.
- THE LONG DIMENSION OF ALL ROCKS SHALL EXTEND BACK TOWARDS THE EXCAVATION TO PROVIDE MAXIMUM STABILITY.
- VOIDS BETWEEN ROCKS MUST BE SMALL ENOUGH THAT THE GRAVEL CAN NOT BE WASHED THROUGH THE FACE. LARGER VOIDS MUST BE CHINKED WITH SPALLS OR SMALLER STONES (OR GEOTEXTILE FABRIC PLACED BETWEEN THE BACKFILL AND FACE ROCKS).
- MINIMUM WEIGHT OF ANY ROCK IN WALL TO BE 250 POUNDS.

**1 2' MAX. ROCK RETAINING WALL**  
N.T.S.

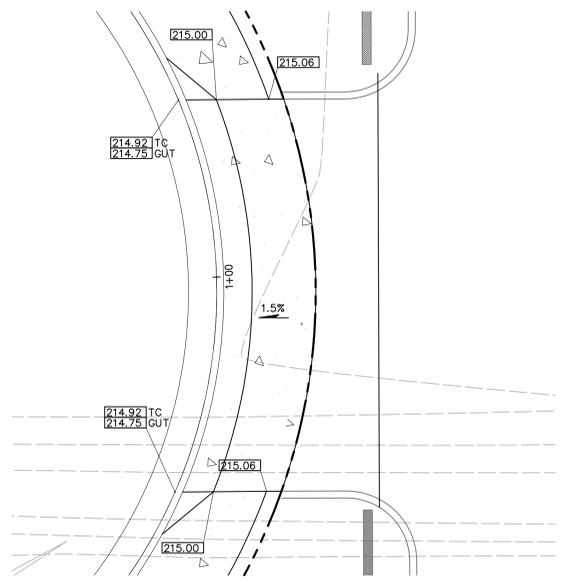


**1 WILLETTA STREET PLAN - STA 10+00 TO END**  
R1.0  
SCALE: 1"=20' HORIZONTAL  
1"=2' VERTICAL

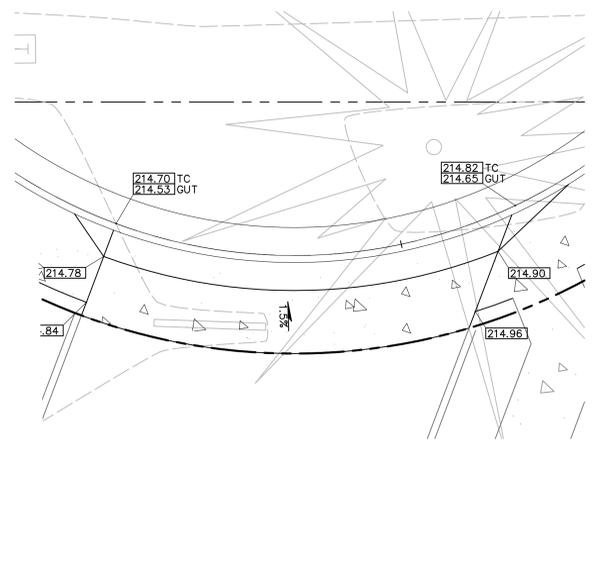
**CURB RETURN TABLE**

#	CURVE	RADIUS	LENGTH	DELTA	BCR	1/4 Δ	1/2 Δ	3/4 Δ	ECR
1	1	12.00'	11.11'	53° 01' 50"	213.71	213.79	213.88	213.96	214.05
2	2	36.00'	181.38'	288° 40' 44"	214.05	215.13	215.31	215.13	214.14
3	3	12.00'	11.65'	55° 38' 54"	214.14	214.02	213.91	213.79	213.67

ALL GRADES SHOWN ARE TOP OF CURB GRADES UNLESS NOTED OTHERWISE ON PLANS.



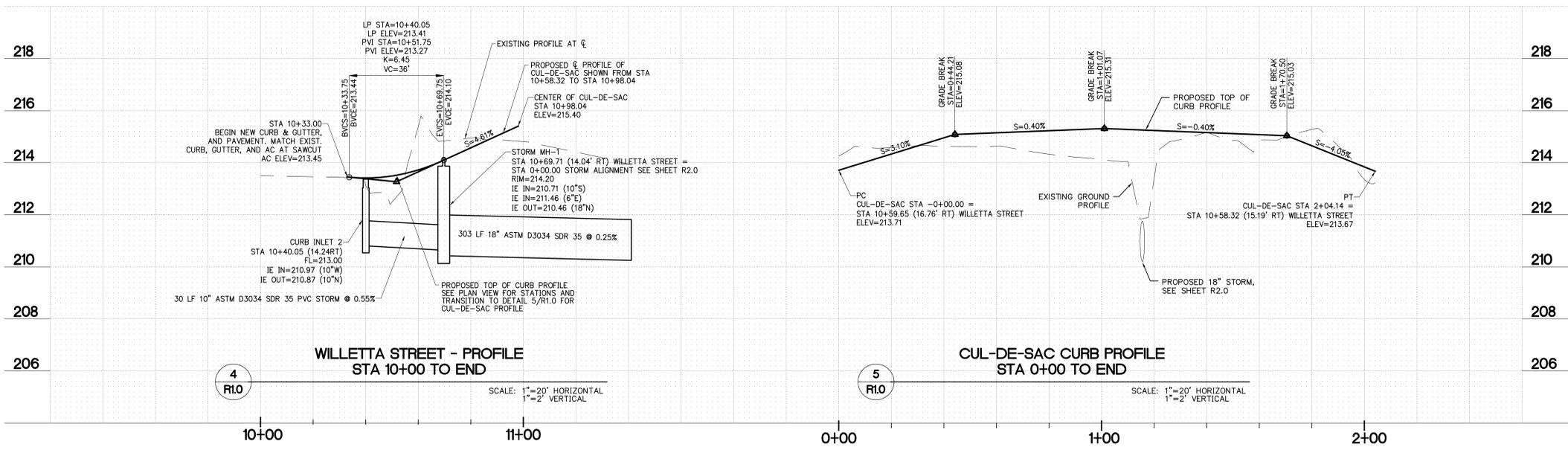
**2 ENLARGED NORTH DRIVEWAY**  
R1.0  
SCALE: 1"=5'



**3 ENLARGED NE DRIVEWAY**  
R1.0  
SCALE: 1"=5'

- LEGEND**
- STANDARD CURB AND GUTTER
  - ROLLED CURB AND GUTTER
  - EXISTING WATER LINE
  - EXISTING SEWER LINE
  - SAW-CUT LINE
  - PROPERTY LINE
  - INLET
  - STORM LINE

- KEYNOTES**
1. STA 10+33.00 - SAWCUT AND REMOVE EXIST. PAVEMENT, CURB & GUTTER
  2. REMOVE EXIST. TREE AND ROOT BALL
  3. CONCRETE SIDEWALK PER CITY OF ALBANY DETAIL 314
  4. EXIST. 24" WATER TO REMAIN, PROTECT IN PLACE
  5. 26" COMMERCIAL DRIVEWAY PER CITY OF ALBANY DETAIL 309B, SEE ENLARGED DETAIL 3/R1.0
  6. 28" COMMERCIAL DRIVEWAY PER CITY OF ALBANY DETAIL 309B, SEE ENLARGED DETAIL 2/R1.0
  7. 18" PUBLIC STORM LINE, SEE SHEET R2.0
  8. PROPOSED SEWER LATERAL, SEE SHEET R2.0
  9. 30 LF 10" ASTM D3034 SDR 35 PVC STORM @ 0.5%
  10. ADJUST EXISTING SEWER MANHOLE RIM TO PROPOSED FINISHED GRADE
  11. EXISTING FIRE HYDRANT TO REMAIN
  12. EXISTING TELEPHONE PEDESTAL TO BE RELOCATED. CONTRACTOR SHALL COORDINATE WITH TELECOMM PROVIDER PRIOR TO CONSTRUCTION



**4 WILLETTA STREET - PROFILE STA 10+00 TO END**  
R1.0  
SCALE: 1"=20' HORIZONTAL  
1"=2' VERTICAL

**5 CUL-DE-SAC CURB PROFILE STA 0+00 TO END**  
R1.0  
SCALE: 1"=20' HORIZONTAL  
1"=2' VERTICAL

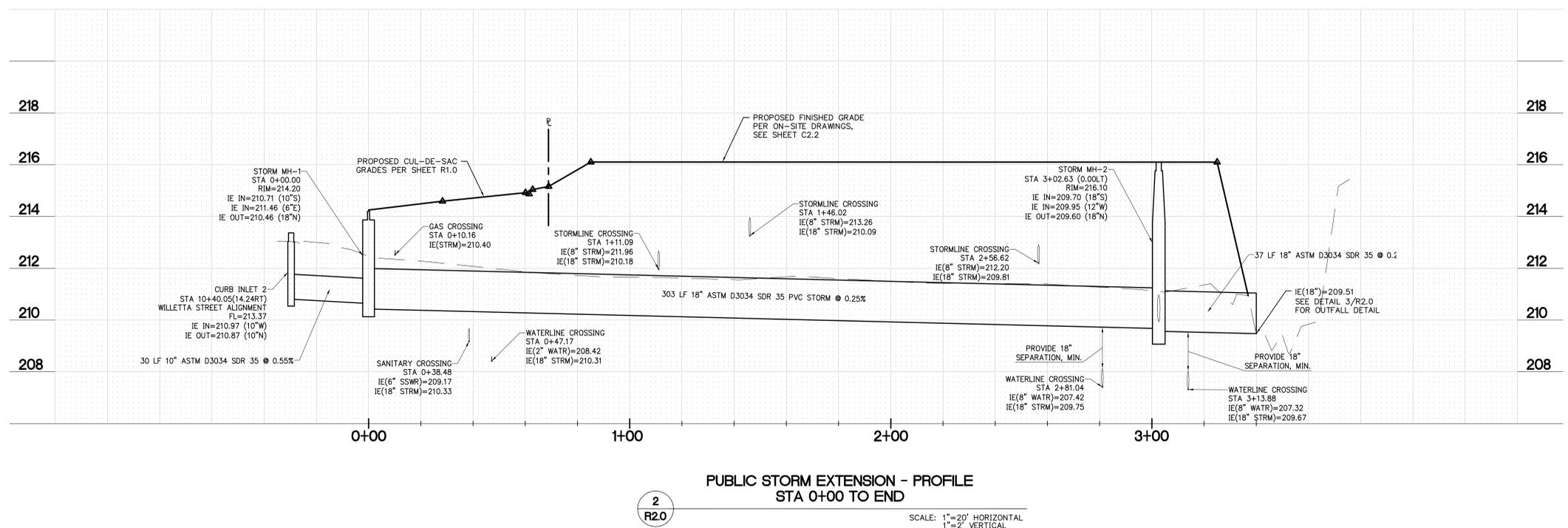
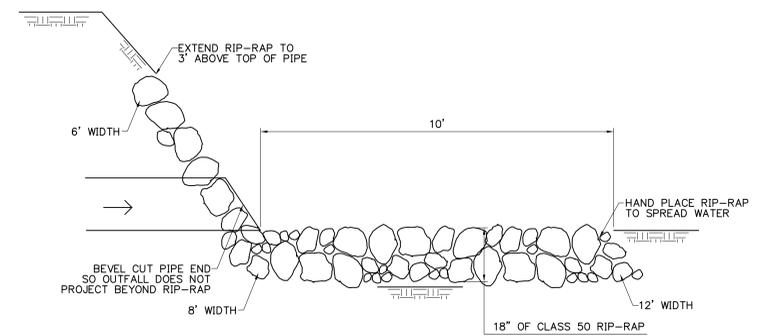
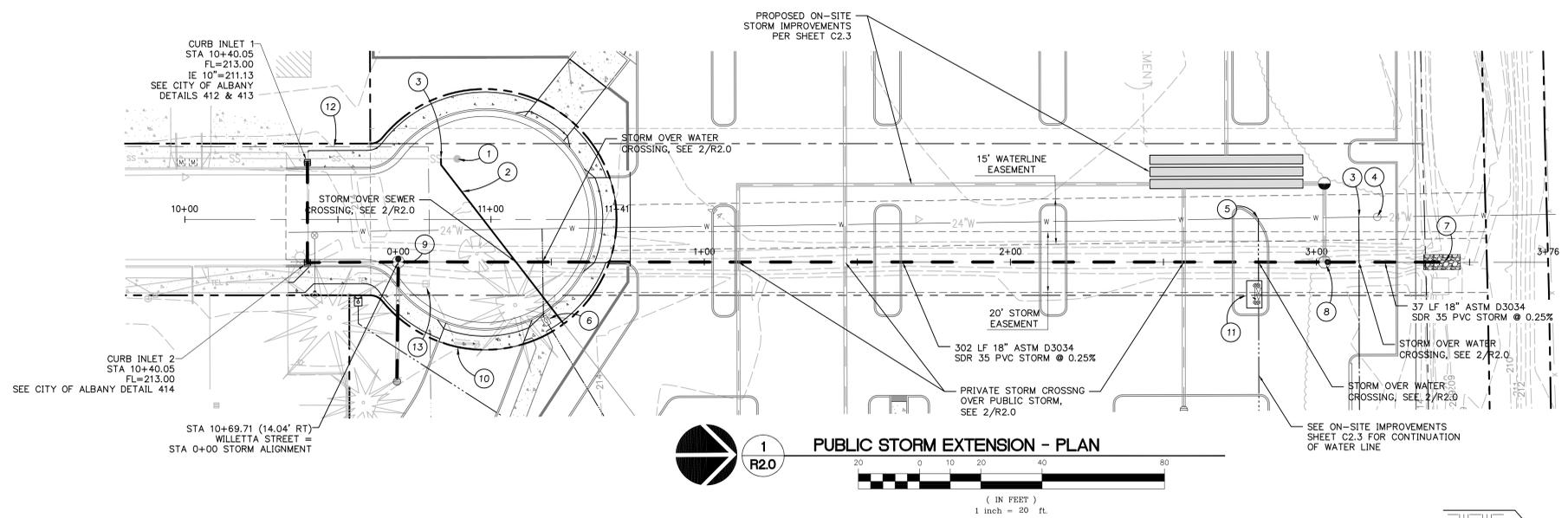
**REVISIONS:**

NO.	REVISIONS	REVISION SHEET	DELTA	CLOSING DATE

SHEET TITLE:  
**WILLETTA ST.  
IMPROVEMENTS -  
STA 10+00  
TO END**

DRAWN BY: BTS  
CHECKED BY: RVS  
SHEET

**R1.0**



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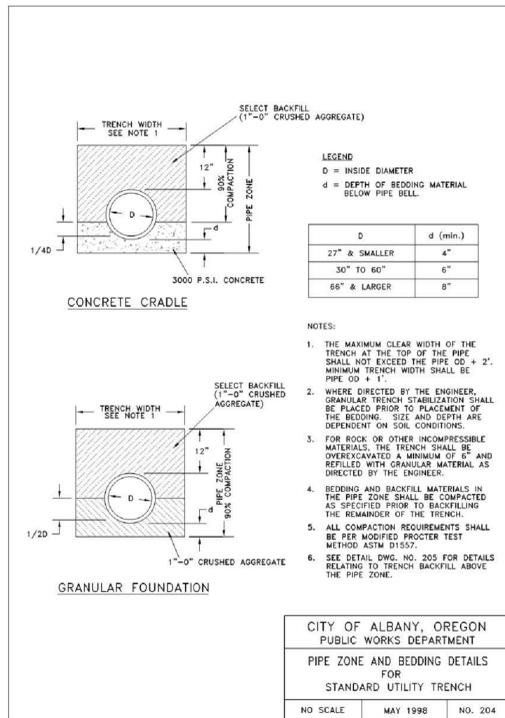
NO.	DATE	REVISIONS	REVISION SHEET	DELTA	CLOSING DATE

SHEET TITLE:  
**PUBLIC STORM EXTENSION - STA 0+00 TO END**

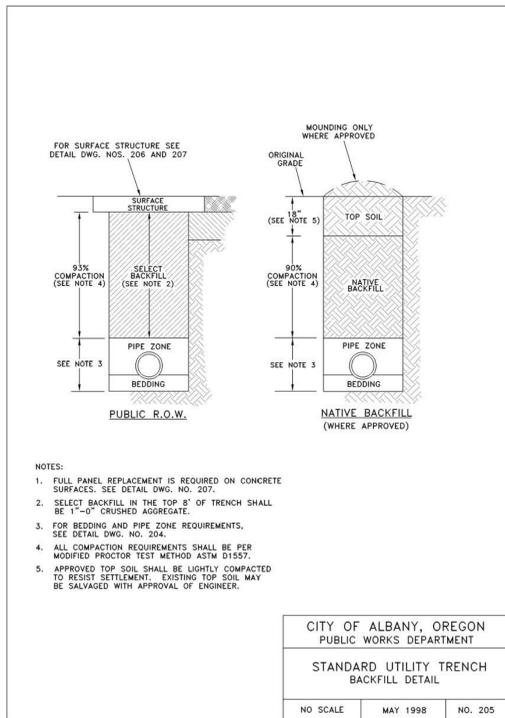
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SHEET

**R2.0**

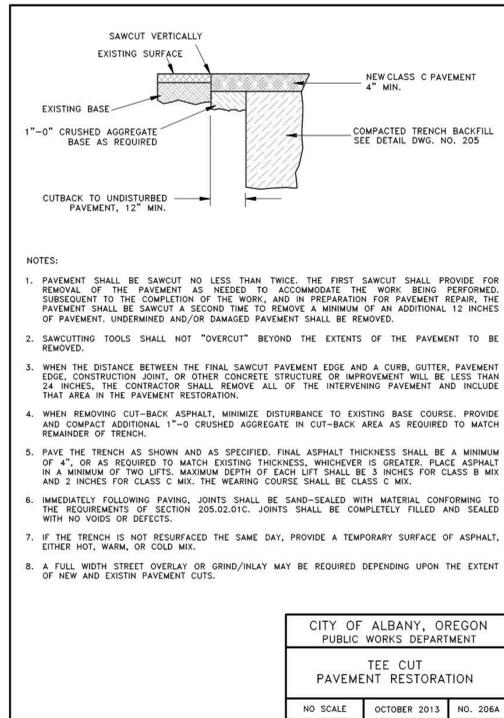
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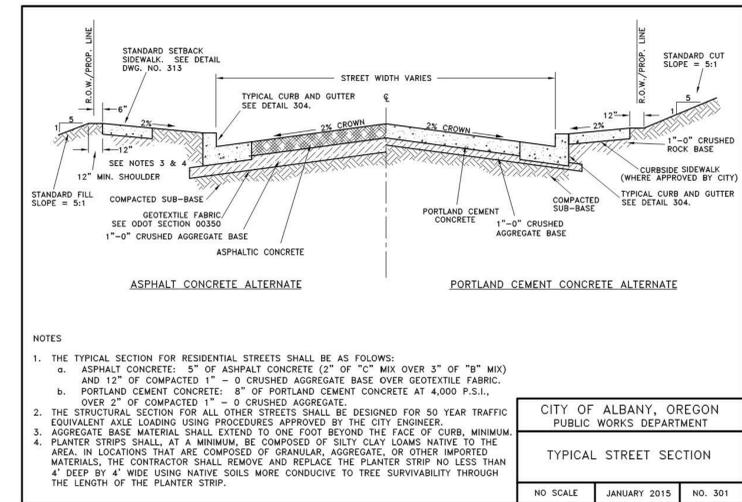
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R3.0 N.T.S.



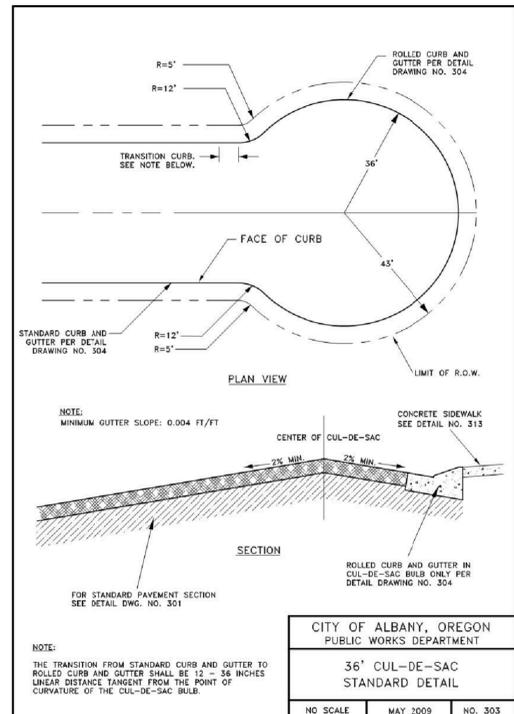
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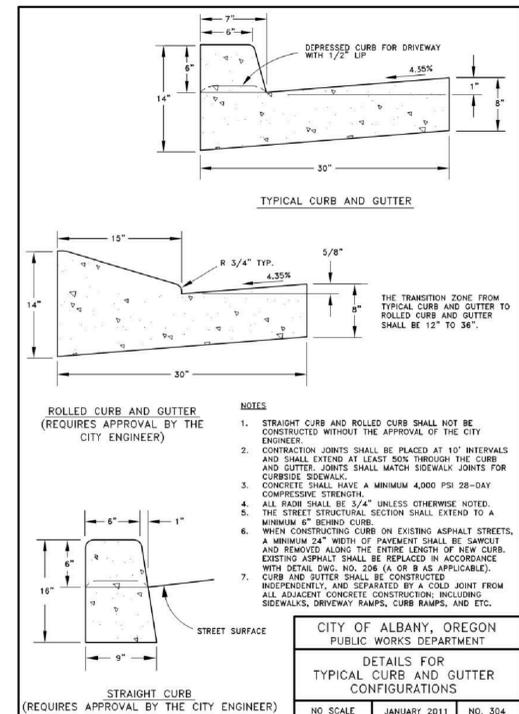
**3 CITY OF ALBANY DETAIL NO. 206A**  
R3.0 N.T.S.



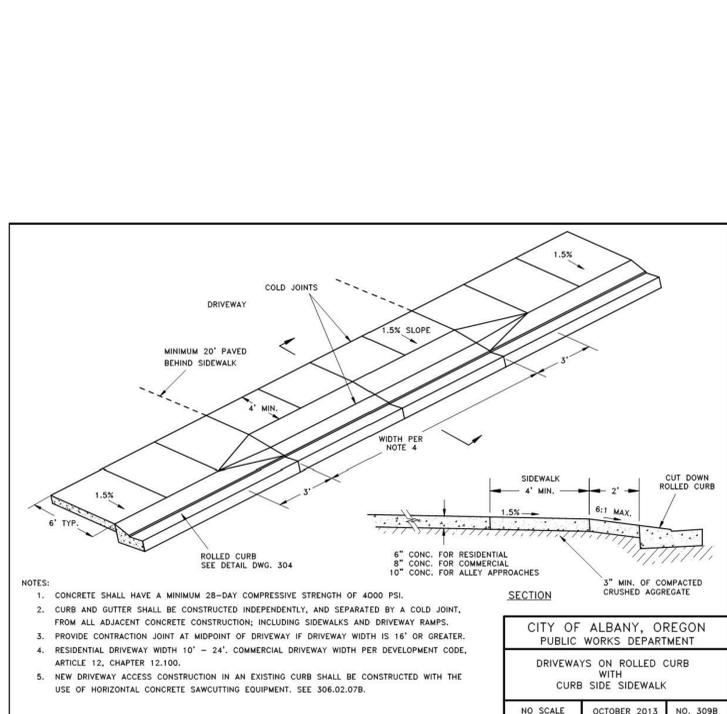
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R3.0 N.T.S.



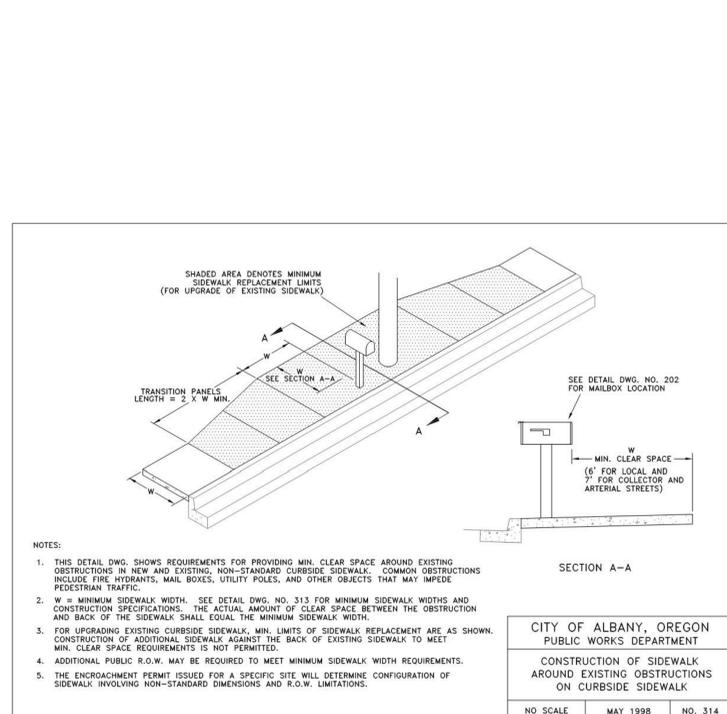
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R3.0 N.T.S.



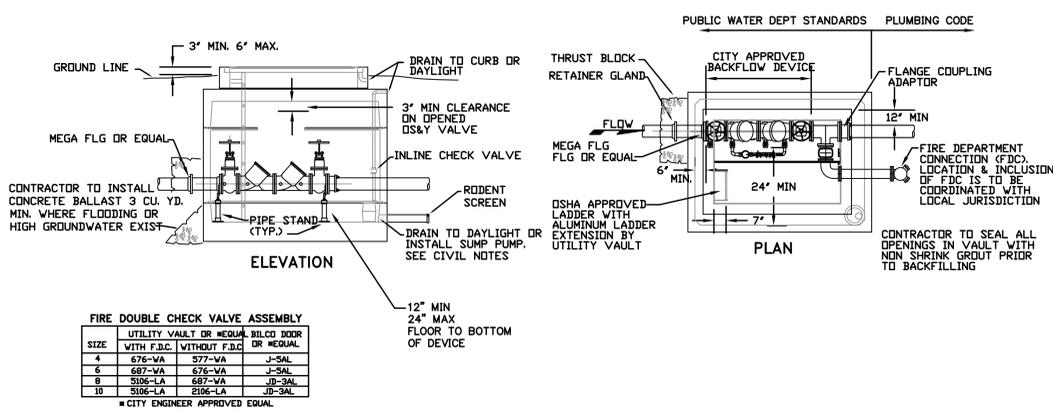
**6 CITY OF ALBANY DETAIL NO. 304**  
R3.0 N.T.S.



**7 CITY OF ALBANY DETAIL NO. 309B**  
R3.0 N.T.S.



**8 CITY OF ALBANY DETAIL NO. 314**  
R3.0 N.T.S.



**9 DOUBLE DETECTOR CHECK VALVE AND VAULT**  
R3.0 N.T.S.



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NO.	REVISIONS	REVISION DELTA	CLOSING DATE
1	ISSUED FOR PERMIT		

SHEET TITLE:  
**CITY OF ALBANY STANDARD DETAILS**

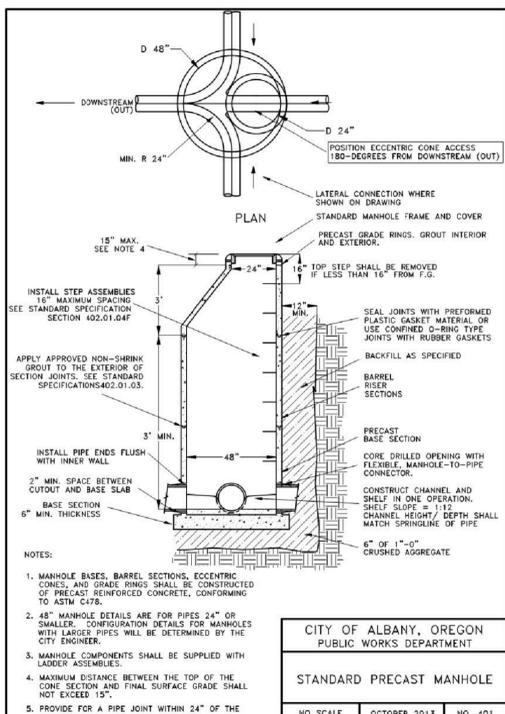
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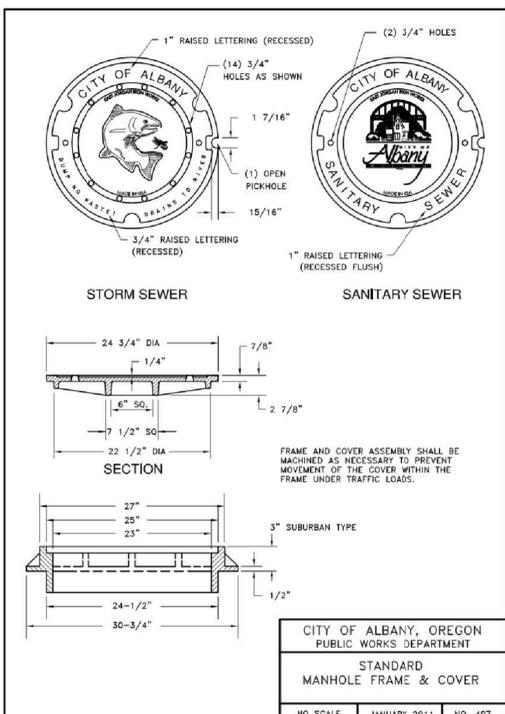
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**R3.0**

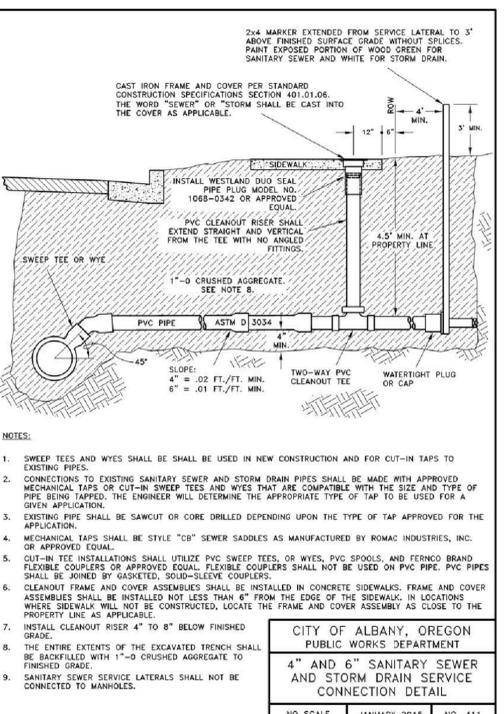
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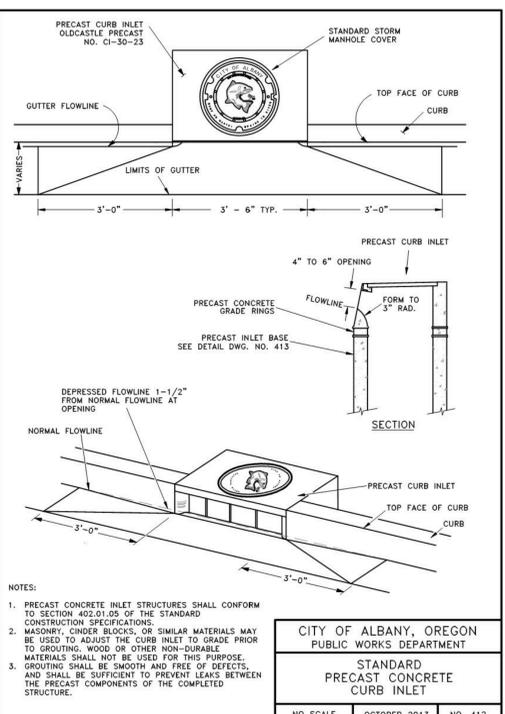
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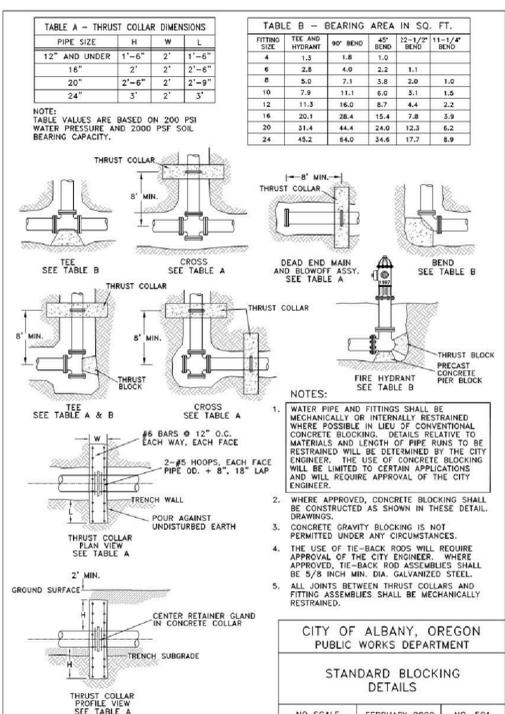
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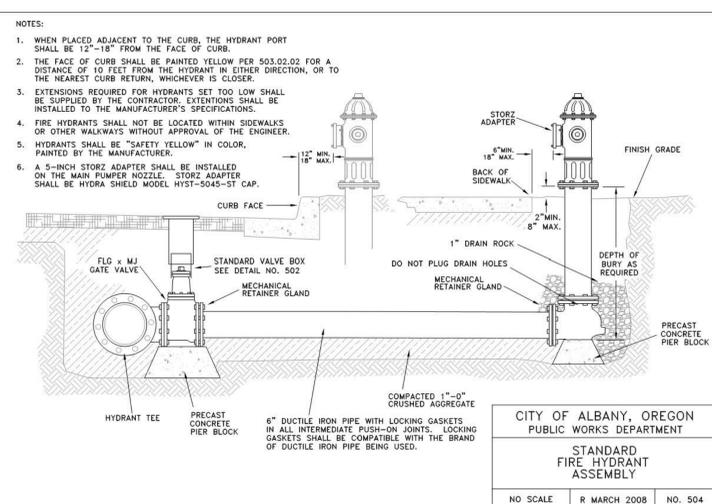
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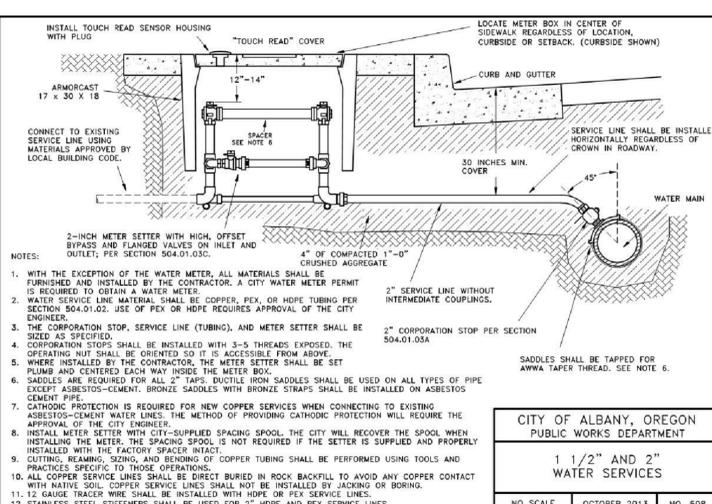
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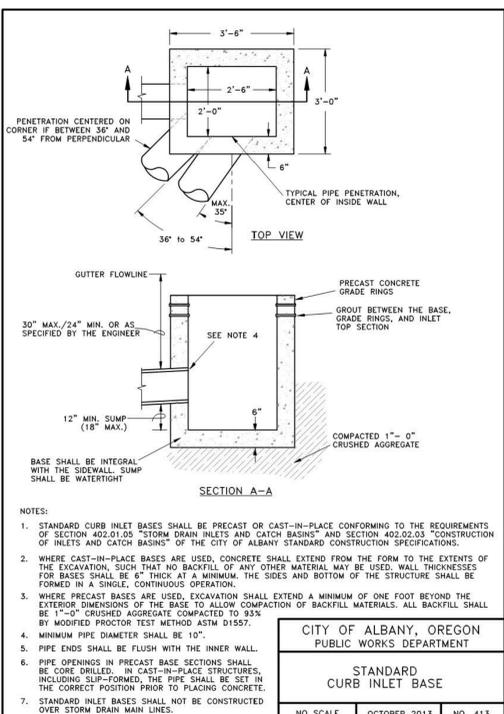
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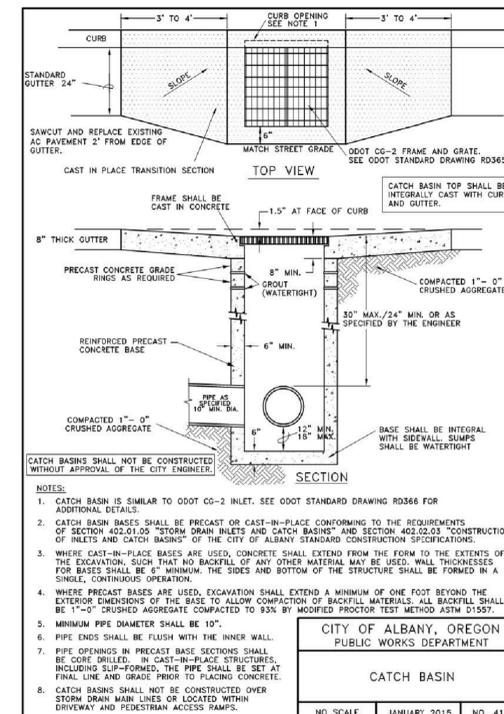
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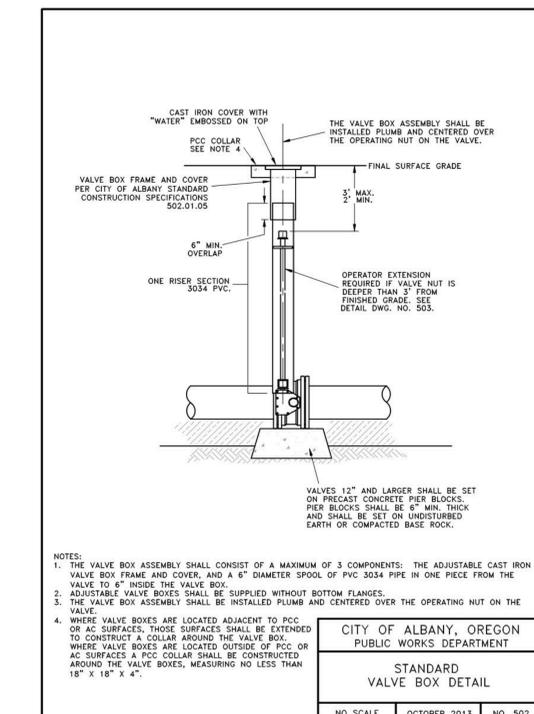
**8 CITY OF ALBANY DETAIL NO. 508**  
R4.0 N.T.S.



**9 CITY OF ALBANY DETAIL NO. 413**  
R4.0 N.T.S.



**10 CITY OF ALBANY DETAIL NO. 414**  
R4.0 N.T.S.



**6 CITY OF ALBANY DETAIL NO. 502**  
R4.0 N.T.S.



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**CITY OF ALBANY STANDARD DETAILS**

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SHEET

**R4.0**

JOB NO. 2140284.00

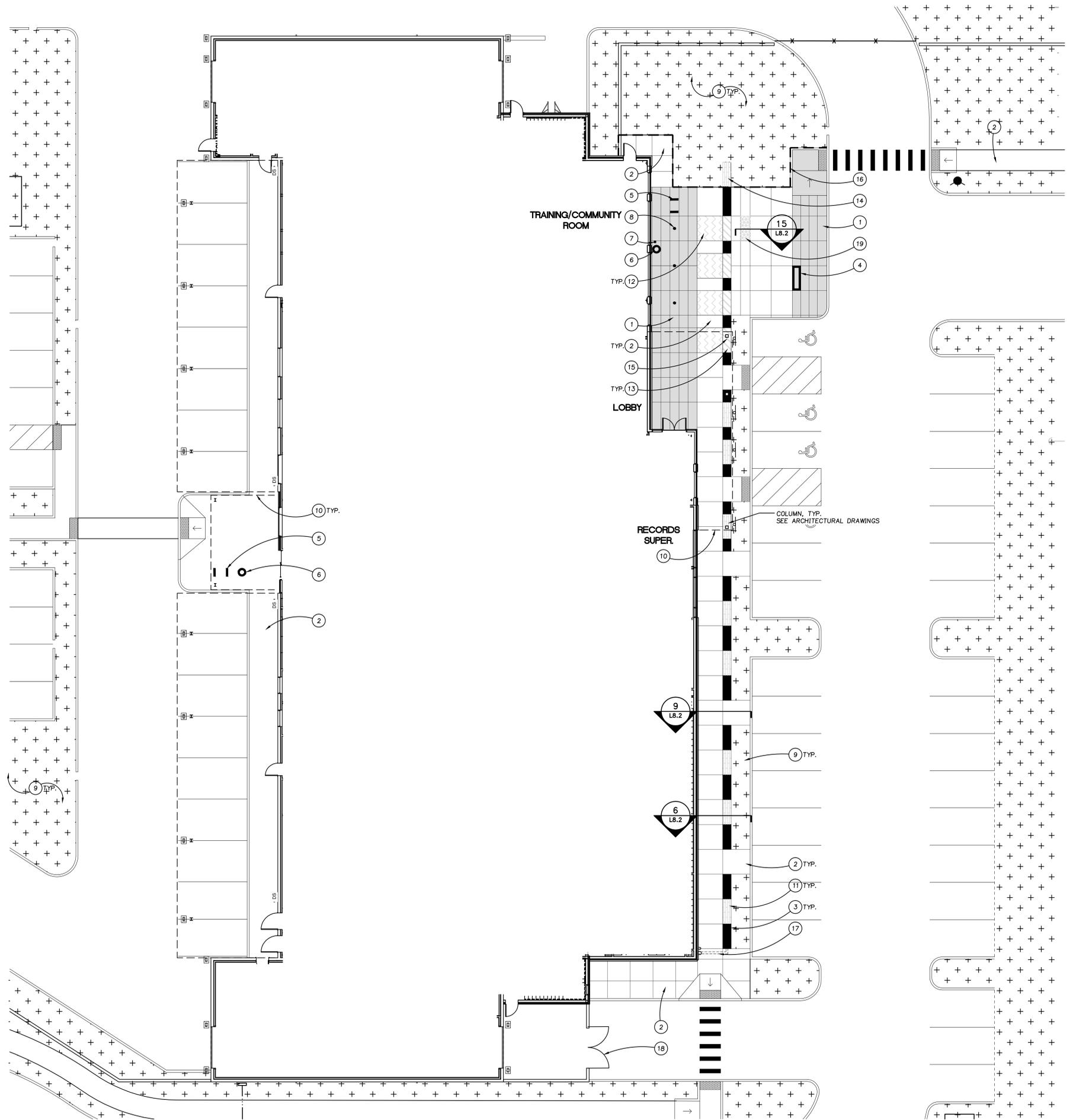


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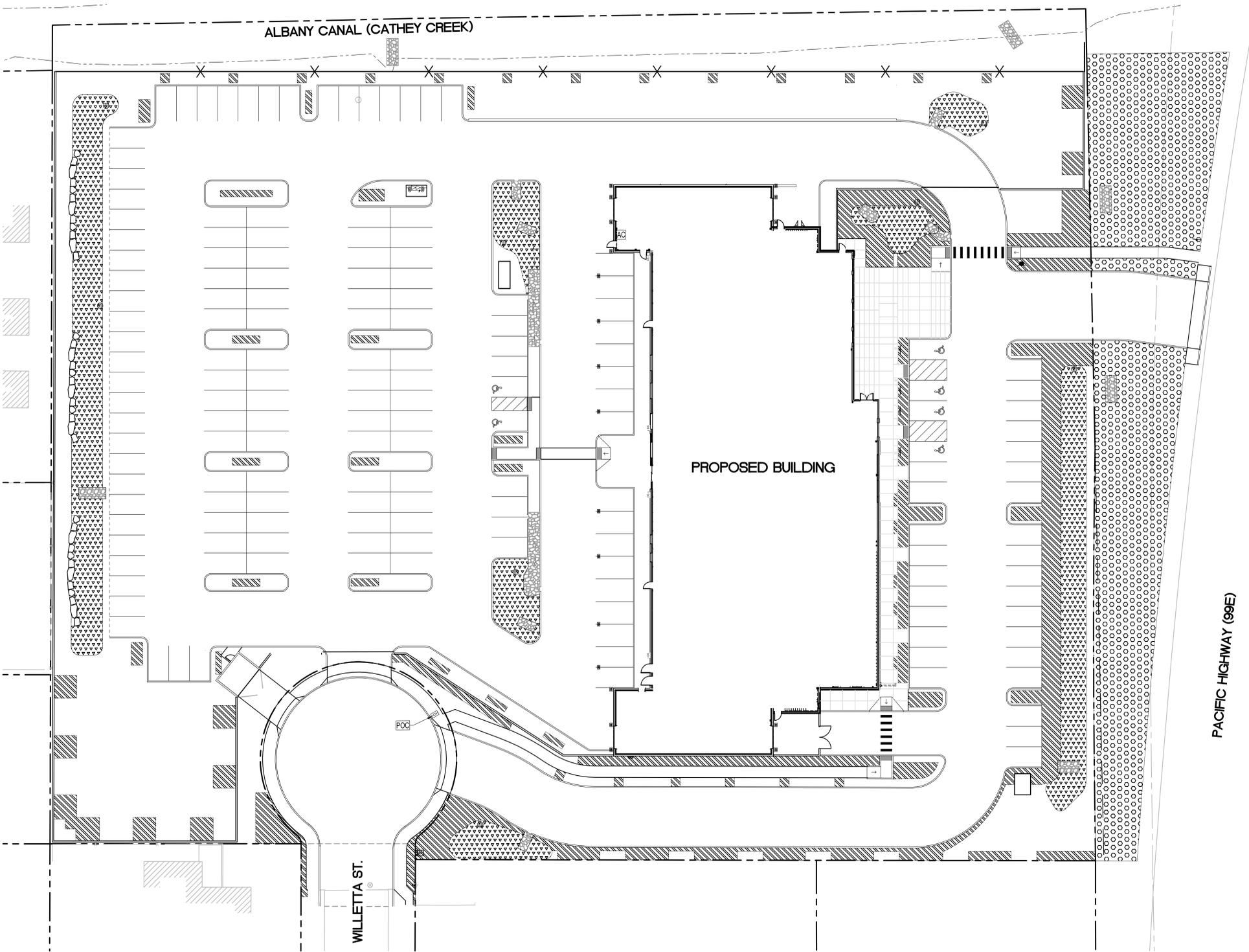
NO.	REVISIONS	REVISION DATE	BY	CLOSING DATE

**KEYNOTES, LAYOUT AND MATERIALS SCHEDULE**

- 1 PAVING TYPE A - COLORED CONCRETE  
SEE DETAILS 1/L8.2, 2/L8.2, AND 3/L8.2
- 2 PAVING TYPE B - SCORED CONCRETE  
SEE DETAILS 1/L8.2, 2/L8.2, AND 3/L8.2
- 3 CONCRETE SEAT WALL WITH LIGHTING.  
SEE DETAIL 16/L8.2
- 4 CONCRETE SIGN WALL  
SEE DETAIL X/L8.X
- 5 BICYCLE RACK, SEE SPECS
- 6 TRASH RECEPTACLE, SEE SPECS
- 7 ASH RECEPTACLE, SEE SPECS
- 8 FLAG POLE, SEE SPECS
- 9 AREA TO BE PLANTED  
SEE PLANTING PLANS L4.0 - L4.4
- 10 CANOPY ABOVE, SEE ARCHITECTURAL DRAWINGS
- 11 CONCRETE RUNNEL BETWEEN SEATWALLS.  
SEE DETAIL 7/L8.2
- 12 MONTANA LEDGESTONE FLUSH WITH CONCRETE PAVING.  
SEE DETAIL 11/L8.2
- 13 STORMWATER DRAINAGE UNDER PLAZA.  
SEE DETAIL 10/L8.2
- 14 SCUPPER, SEE DETAILS 12/L8.2 AND 13/L8.2
- 15 COLUMN AND DOWNSPOUT, SEE ARCHITECTURAL DRAWINGS
- 16 STORMWATER CONCRETE CURB, SEE DETAIL 4/L8.2
- 17 PIPE UNDER SIDEWALK TO RUNNEL
- 18 TRASH ENCLOSURE AND VEHICLE EVIDENCE BAY SWING GATE ELEVATION,  
SEE DETAIL 1/L8.4
- 19 TIME CAPSULE UNDER GRANITE SLAB.  
SEE DETAIL 15/L8.2 AND 16/L8.2



**1 PLAZA LAYOUT AND MATERIALS PLAN**  
 L2.1  
 ( IN FEET )  
 1 inch = 10 ft.



**IRRIGATION SCHEDULE**

SYMBOL	DESCRIPTION MANUFACTURE / TYPE	SHEET #
POC	POINT OF CONNECTION	L8.1
AC	IRRIGATION CONTROLLER	L8.1
[Hatched Pattern]	SPRAY IRRIGATION, ROTARY SPRAY NOZZLES	
[Dotted Pattern]	SPRAY IRRIGATION AT STORMWATER AREAS, ROTARY SPRAY NOZZLES	
[Circle Pattern]	TEMPORARY IRRIGATION	

**IRRIGATION NOTES**

1. A FULLY AUTOMATIC IRRIGATION SYSTEM TO BE DESIGNED, BUILT AND INSTALLED BY OTHERS TO MAINTAIN ALL LANDSCAPE MATERIAL.
2. ALL NEW LANDSCAPE AREAS TO BE IRRIGATED WITH A FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.
3. IRRIGATION SYSTEM SHALL BE DESIGNED SO THAT PLANTING BEDS, SLOPED BANKS, STORM WATER FACILITIES AND LAWN ZONES ARE ON SEPARATE CONTROL VALVES TO FACILITATE THE DIFFERENT WATER REQUIREMENTS OF EACH AREA.
4. IRRIGATION SHALL BE INSTALLED SIMULTANEOUSLY WITH PLANTING TO ENSURE PLANTS RECEIVE ADEQUATE WATER AT TIME OF INSTALLATION.
5. VALVES SHALL BE WIRED AND INSTALLED PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND CONNECTED TO THE IRRIGATION CONTROLLER.
6. IRRIGATION SYSTEM SHALL PERFORM WITHIN THE TOLERANCES AND SPECIFICATIONS OF MANUFACTURERS RECOMMENDATIONS.
7. ALL IRRIGATION PIPE MATERIAL AND INSTALLATION SHALL CONFORM TO APPLICABLE CODE FOR PIPING AND COMPONENT REQUIREMENTS.
8. SYSTEM SHALL BE DESIGNED TO SUPPLY MANUFACTURER'S SPECIFIED MINIMUM OPERATING PRESSURE TO FARTHEST EMITTER FROM WATER METER.
9. REFERENCE L8.1 FOR IRRIGATION DETAILS, POINT OF CONNECTION INFORMATION, AND BACKFLOW PREVENTION INFORMATION.
10. IRRIGATION SHALL BE WINTERIZED THROUGH LOW PRESSURE, HIGH VOLUME AIR BLOWOUT CONNECTION THROUGH QUICK COUPLER.

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SHEET TITLE:  
**IRRIGATION PLAN**

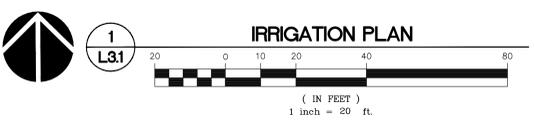
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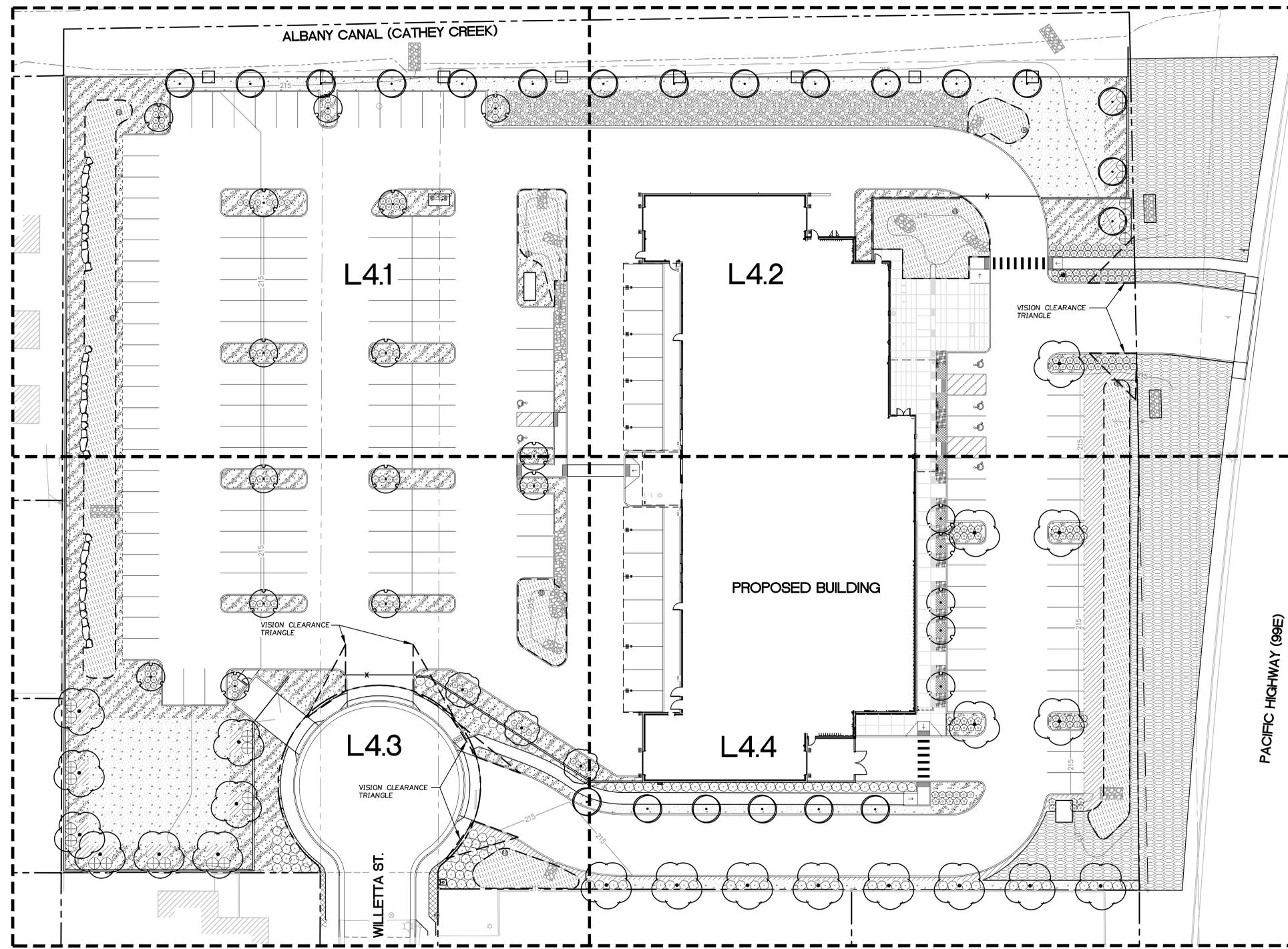
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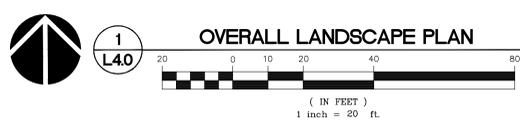
**L31**

JOB NO. 2140284.00





PLANT SCHEDULE			
<b>TREES</b>			
	BOTANICAL NAME / COMMON NAME	SIZE	
	ACER CIRCINATUM / VINE MAPLE	2" CAL. B&B, 10' HT. MIN.	
	GINKGO BILOBA 'PRINCETON SENTRY' / PRINCETON SENTRY GINKGO	2" CAL. B&B, 10' HT. MIN.	
	QUERCUS COCCINEA / SCARLET OAK	2" CAL. B&B, 10' HT. MIN.	
	QUERCUS PALUSTRIS 'GREEN PILLAR' / GREEN PILLAR OAK	2" CAL. B&B, 10' HT. MIN.	
<b>SHRUBS</b>			
	BOTANICAL NAME / COMMON NAME	SIZE	SPACING
	MYRICA CALIFORNICA / PACIFIC WAX MYRTLE	5 GAL	60" o.c.
	NANDINA DOMESTICA 'GULF STREAM' TM / HEAVENLY BAMBOO	3 GAL	30" o.c.
	VIBURNUM DAVIDII / DAVID VIBURNUM	3 GAL	36" o.c.
	VIBURNUM TINUS 'SPRING BOUQUET' / SPRING BOUQUET LAURESTINUS	5 GAL	48" o.c.
<b>GROUND COVERS</b>			
	BOTANICAL NAME / COMMON NAME	CONT	SPACING
	3/4" NO MINUS ANGULAR ROCK MULCH ON NONWOVEN GEOTEXTILE SEE DETAIL 5.1.8.2	N/A	
	BARK MULCH	N/A	
	JUNIPERUS HORIZONTALIS 'BLUE CHIP' / BLUE CHIP JUNIPER	4"POT	24" o.c.
	PENNISETUM ALOPECUROIDES 'HADELN' / HADELN DWARF FOUNTAIN GRASS	1 GAL	18" o.c.
	ROCK MULCH - ROUND RIVER ROCK	N/A	
	RUBUS CALYCINOIDES / GREEN CARPET RASPBERRY	4"POT	12" o.c.
	ECO PRAIRIE SEED MIX SUNMARK SEEDS	SEED 1.5 LBS / 1,000 S.F.	
<b>STORMWATER AREAS</b>			
	BOTANICAL NAME / COMMON NAME	CONT	SPACING
	STORMWATER PLANTING AREA		



### LANDSCAPE NOTES

- GENERAL NOTES:**
- CONTRACTOR SHALL CONFIRM ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.
  - CONTRACTOR SHALL VERIFY EXISTING TREES IN THE FIELD PRIOR TO COMMENCEMENT OF WORK.
  - CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT IF THERE ARE ANY DISCREPANCIES WITH PLANTING ROOT ZONES. TO LOCATE SITE UTILITIES PRIOR TO PROPOSED EXCAVATION CALL 1-800-332-2344.
  - CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY DISRUPTION TO VEHICULAR CIRCULATION PRIOR TO COMMENCEMENT OF ANY WORK.
  - CONTRACTOR SHALL KEEP PEDESTRIAN TRAVEL WAYS AND ACCESS TO ALL STRUCTURES PROTECTED AT ALL TIMES.
  - CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO EXISTING CONCRETE CURB, ASPHALT PAVING, OR OTHER STRUCTURES TO PRE CONSTRUCTION CONDITIONS.
  - ALL LANDSCAPED AREAS SHALL BE INSTALLED AND MAINTAINED AS A MINIMUM TO STANDARDS ACCORDING TO CITY REVISED CODE.
  - ALL NEW PLANTING AREAS TO BE IRRIGATED BY AUTOMATIC IRRIGATION SYSTEM. REFERENCE L3.1 FOR IRRIGATION PLAN AND NOTES.

### PLANTING NOTES:

- ALL EXISTING TREES, PLANTS, AND ROOTS SHALL BE PROTECTED FROM DAMAGE DURING ANY CONSTRUCTION PREPARATION, REMOVAL OR INSTALLATION ACTIVITIES WITHIN AND ADJACENT TO PROJECT LIMITS.
- IF DISTURBANCE IS NECESSARY AROUND EXISTING TREES, CONTRACTOR SHALL PROTECT THE CROWN AND ALL WORK WITHIN THE TREE DRIPZONE SHALL BE LIMITED TO THE USE OF HAND TOOLS AND MANUAL EQUIPMENT ONLY.
- REPLACE, REPAIR AND RESTORE DISTURBED LANDSCAPE AREAS DUE TO GRADING, TRENCHING OR OTHER REASONS TO PRE CONSTRUCTION CONDITION AND PROVIDE MATERIAL APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- EXISTING AREAS PROPOSED FOR NEW PLANT MATERIAL SHALL BE CLEARED AND LEGALLY DISPOSED UNLESS NOTED OTHERWISE.
- ALL PLANT MATERIAL SHALL BE HEALTHY NURSERY STOCK, WELL BRANCHED AND ROOTED, FULL FOLIAGE, FREE FROM INSECTS, DISEASES, WEEDS, WEED ROT, INJURIES AND DEFECTS WITH NO LESS THAN MINIMUMS SPECIFIED IN AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2004.
- ALL LANDSCAPED AREAS SHALL BE COVERED BY A LAYER OF ORGANIC MULCH TO A MINIMUM DEPTH OF 2-INCHES.
- IMPORTED TOPSOIL SHALL BE USED ON ALL PLANTED AREAS.

### POST CONSTRUCTION STORMWATER QUALITY FACILITIES GENERAL NOTES

- MAINTAIN PERIMETER PROTECTION BEFORE, DURING, AND AFTER CONSTRUCTION OF FACILITY TO KEEP ALL VEHICLE TRAFFIC, EQUIPMENT STAGING, AND FOOT TRAFFIC OUT OF EXCAVATED TREATMENT AREA.
- NO STANDING WATER ALLOWED IN FACILITY TREATMENT AREA AT TIME OF CONSTRUCTION OR AT ANY POINT DURING CONSTRUCTION.
- GROWING MEDIUM SHALL BE COVERED AND PROTECTED FROM PRECIPITATION PRIOR TO PLACEMENT IN FACILITY.
- BOTTOM OF EXCAVATED TREATMENT FACILITY SHALL BE SCARIFIED PRIOR TO PLACING DRAIN ROCK.

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SHEET TITLE:  
**OVERALL  
PLANTING  
PLAN**

DRAWN BY: TSD  
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SHEET

**L4.0**

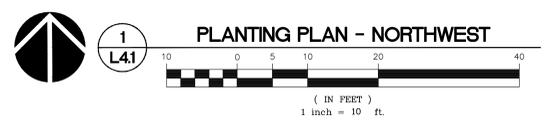
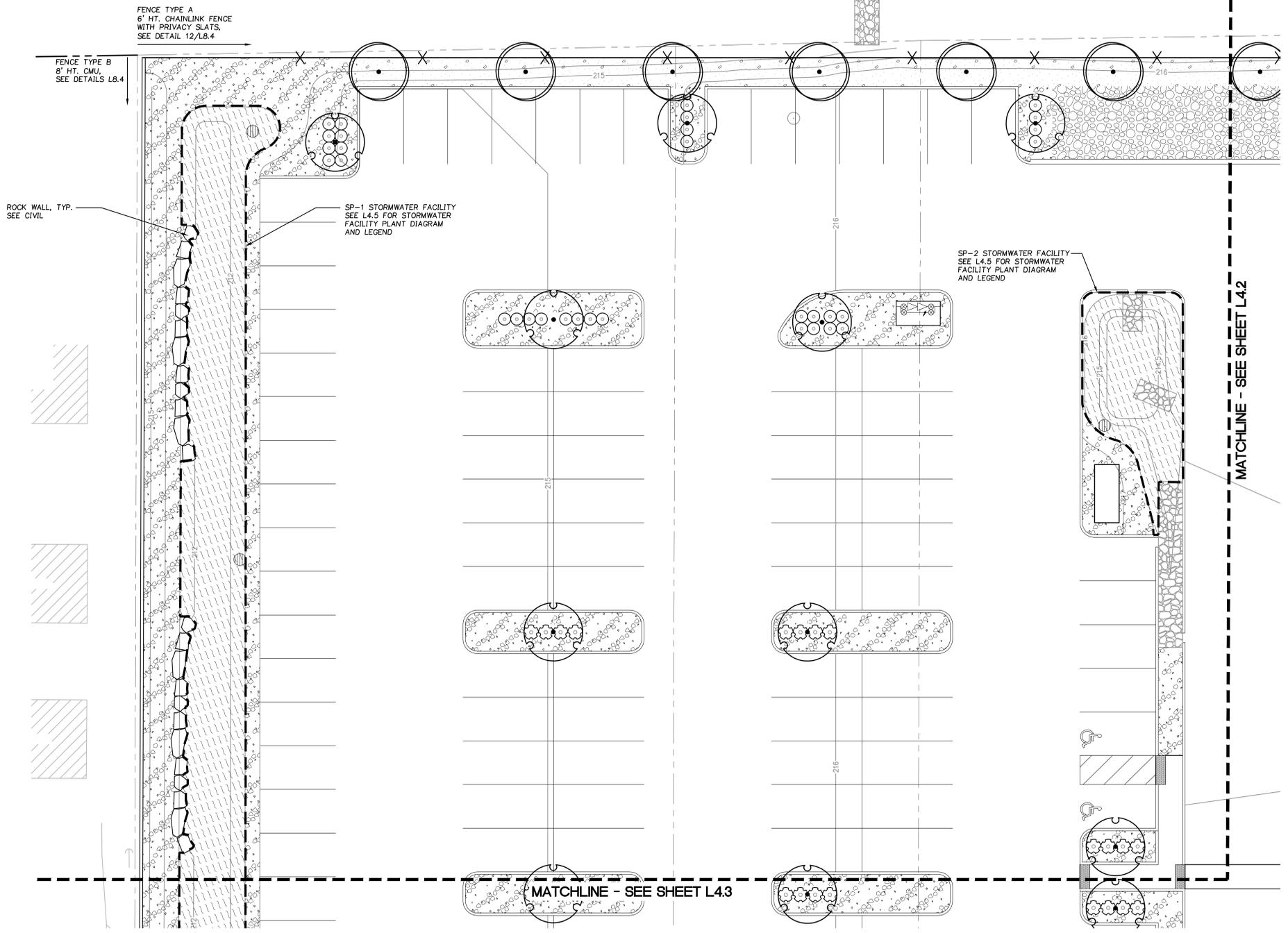
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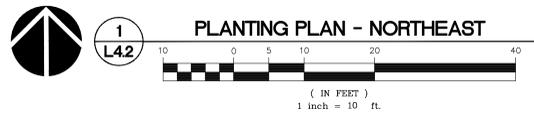
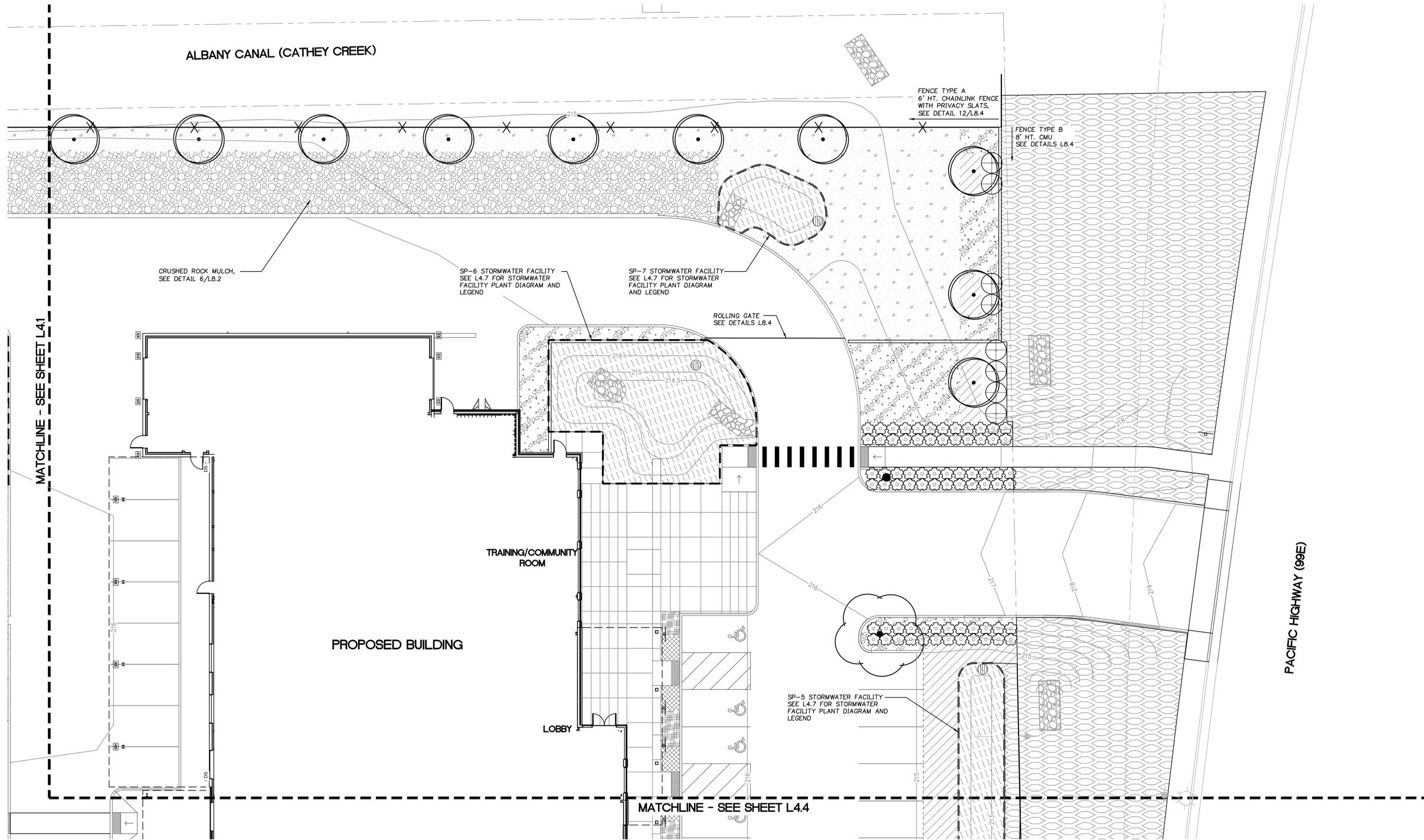
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ALBANY CANAL (CATHEY CREEK)



**1**  
**L4.1**  
**PLANTING PLAN - NORTHWEST**



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SHEET TITLE:  
**PLANTING  
PLAN -  
NORTHEAST**

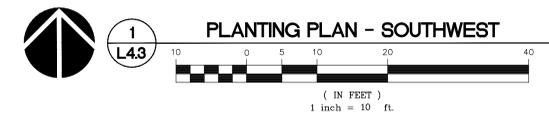
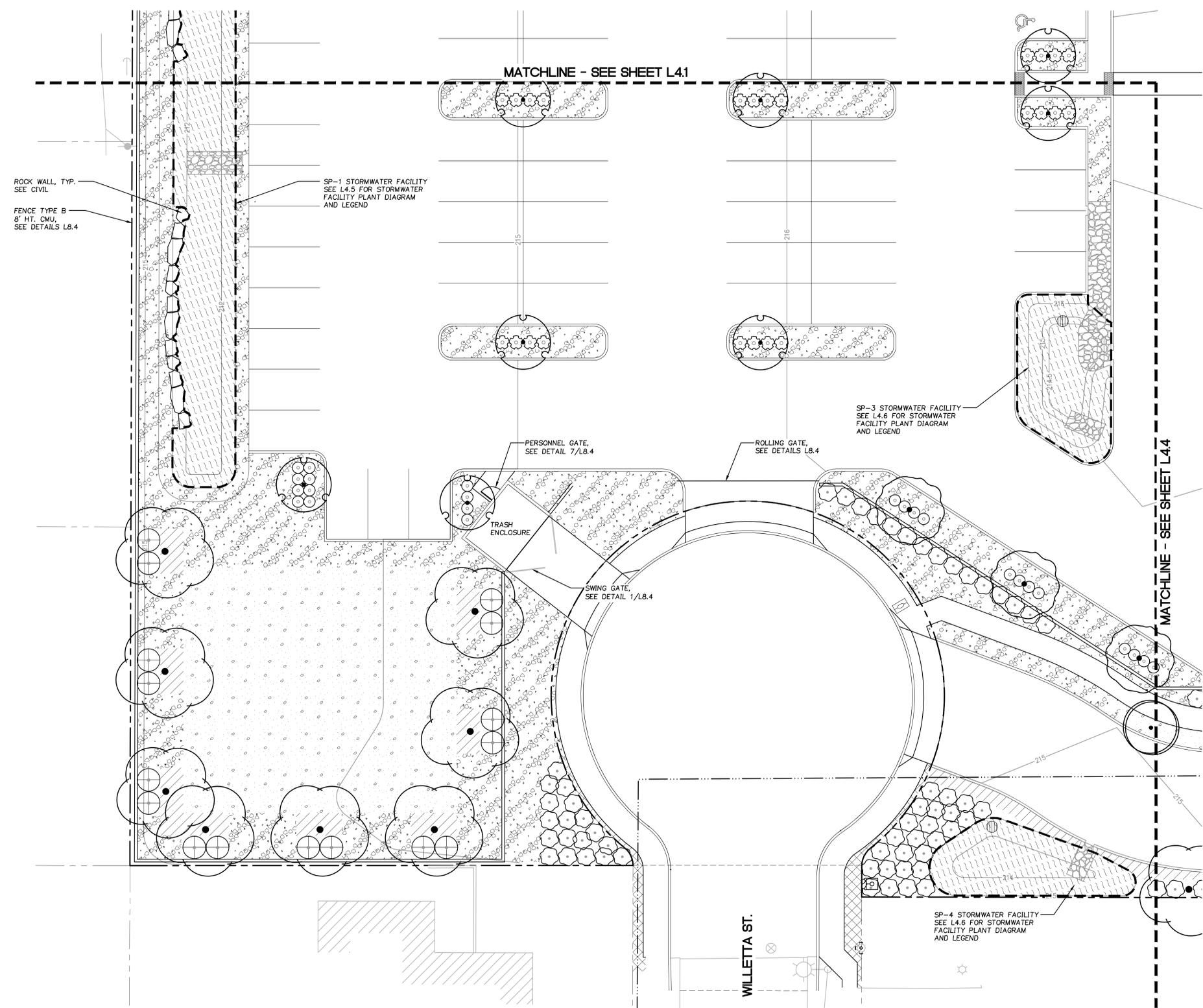
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**L4.2**

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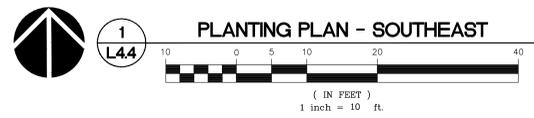
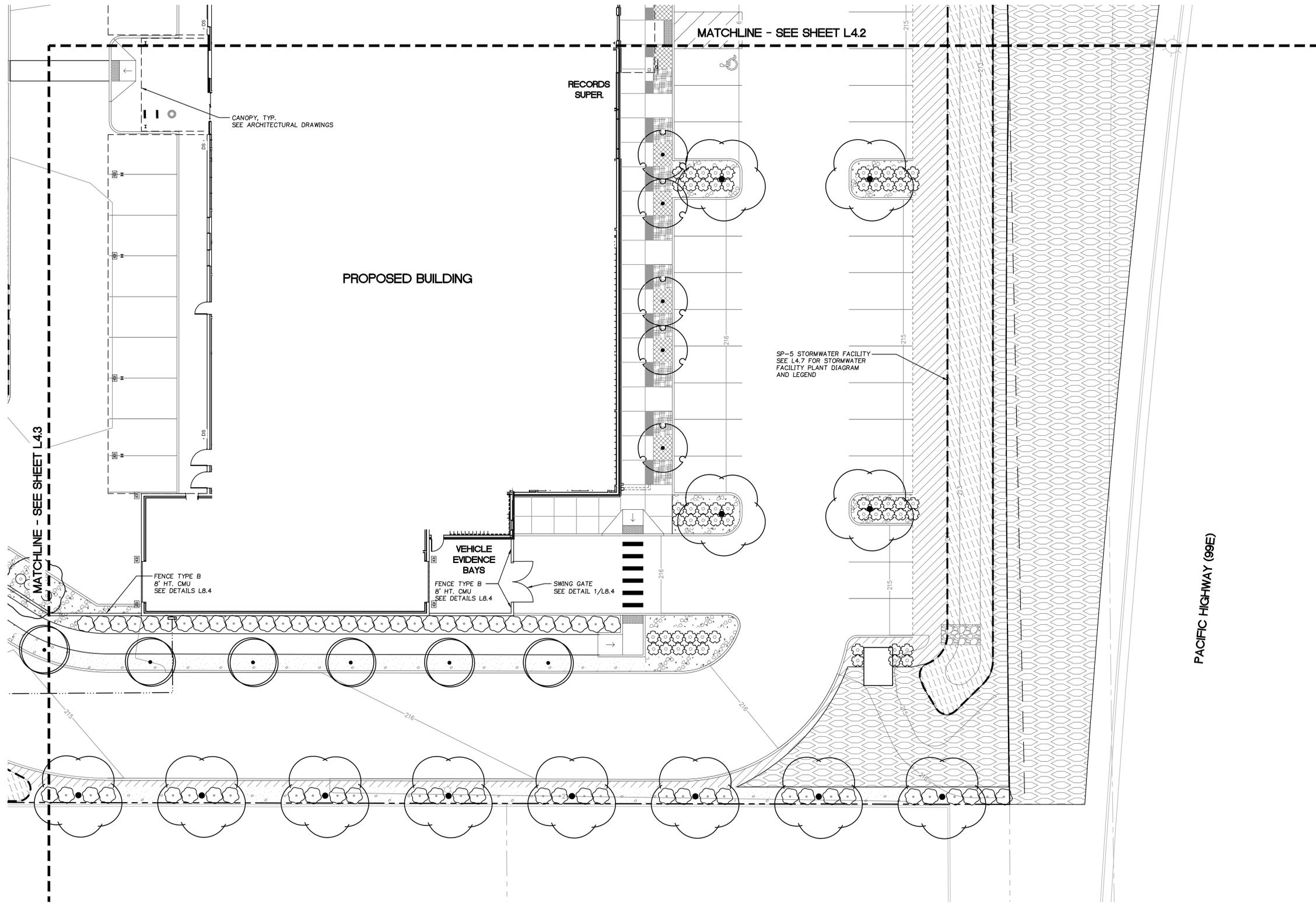
NO.	REVISION	DATE

SHEET TITLE:  
**PLANTING  
 PLAN -  
 SOUTHWEST**

DRAWN BY: TSD  
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 SHEET

**L4.3**

JOB NO. **2140284.00**



1 L4.4 PLANTING PLAN - SOUTHEAST

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NO.	REVISIONS	REVISION DATE	BY

SHEET TITLE:  
**PLANTING  
PLAN -  
SOUTHEAST**

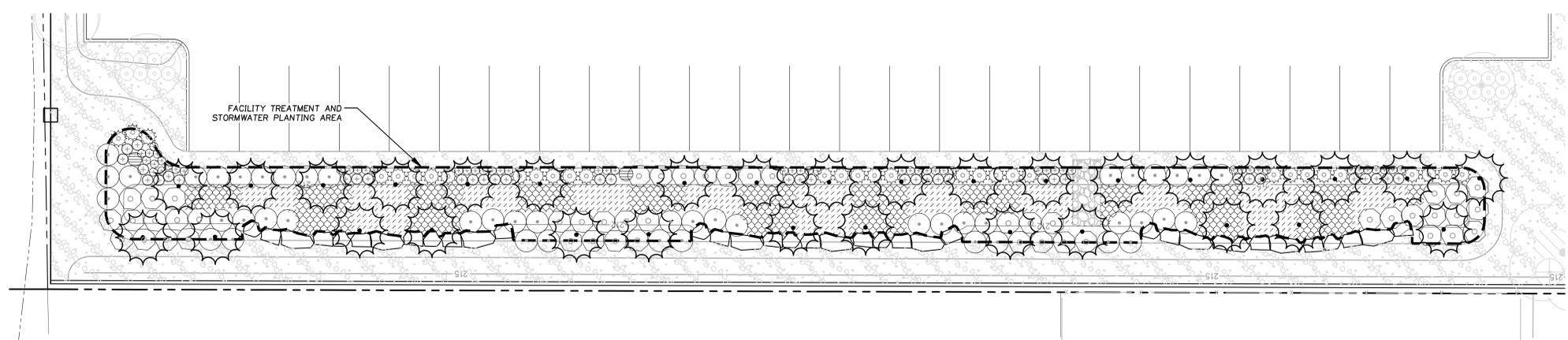
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SHEET

**L4.4**

JOB NO. 2140284.00



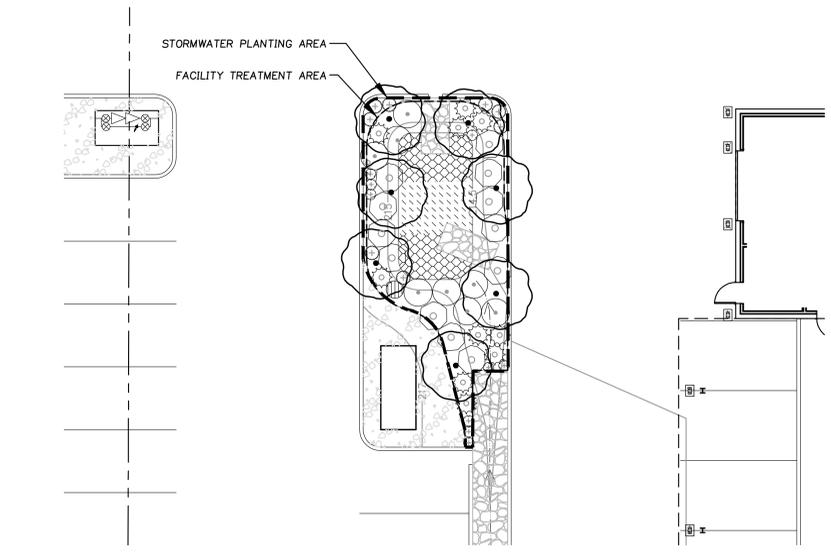
**PLANT SCHEDULE SP-1**

TREES	CODE	BOTANICAL NAME / COMMON NAME	SIZE	QTY	
	THU PLI	THUJA PLICATA 'HOGAN' / HOGAN CEDAR TREE / ZONE A & B	5'-6' HT./B&B	31	
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	CR	CORNUS SERICEA / RED TWIG DOGWOOD LARGE SHRUB / ZONE A & B	1 GAL	48" o.c.	47
	MR	MAHONIA REPENS / CREEPING MAHONIA SMALL SHRUB / ZONE A & B	1 GAL	18" o.c.	56
	RN	ROSA NUTKANA / NOOTKA ROSE LARGE SHRUB / ZONE A & B	30" HT. MIN.	48" o.c.	47
	SB	SPIRAEA BETULIFOLIA / BIRCH LEAF SPIREA SMALL SHRUB / ZONE A & B	1 GAL	24" o.c.	37
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY SMALL SHRUB / ZONE A & B	1 GAL	36" o.c.	32
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
	CO	CAREX OBNUPTA / SLOUGH SEDGE HERBACEOUS / ZONE A	4"POT	12" o.c.	715
	JUN ELK	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH HERBACEOUS / ZONE A & B	4"POT	12" o.c.	818

**SP-1 STORMWATER FACILITY PLANT NOTES**

TREATMENT AREA = 3,136 S.F.  
 REQUIRED TREES (1 TREE PER 100 S.F.) = 31 TREES  
 PROVIDED TREES = 31 TREES  
 REQUIRED LARGE SHRUBS (3 LARGE SHRUBS PER 100 S.F.) = 94 LARGE SHRUBS  
 PROVIDED LARGE SHRUBS = 94 LARGE SHRUBS  
 REQUIRED SMALL SHRUBS (4 SMALL SHRUBS PER 100 S.F.) = 125 SMALL SHRUBS  
 PROVIDED SMALL SHRUBS = 125 SMALL SHRUBS  
 TOTAL SHRUBS/GROUNDCOVER = 1,752  
 REQUIRED 50% MINIMUM EVERGREEN PLANTS BY NUMBER  
 PROVIDED 1,589 EVERGREEN PLANTS = 91% EVERGREEN

**1 SP-1 STORMWATER FACILITY PLANT DIAGRAM AND SCHEDULE**  
 L4.5  
 ( IN FEET )  
 1 inch = 10 ft.



**PLANT SCHEDULE SP-2**

TREES	CODE	BOTANICAL NAME / COMMON NAME	SIZE	QTY	
	ACE CIR	ACER CIRCINATUM / VINE MAPLE TREE / ZONE A & B	10' HT. MIN., B&B, MULTI-STEM	7	
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	CR	CORNUS SERICEA / RED TWIG DOGWOOD LARGE SHRUB / ZONE A & B	1 GAL	48" o.c.	8
	MR	MAHONIA REPENS / CREEPING MAHONIA SMALL SHRUB / ZONE A & B	1 GAL	18" o.c.	9
	RN	ROSA NUTKANA / NOOTKA ROSE LARGE SHRUB / ZONE A & B	30" HT. MIN.	48" o.c.	12
	SB	SPIRAEA BETULIFOLIA / BIRCH LEAF SPIREA SMALL SHRUB / ZONE A & B	1 GAL	24" o.c.	8
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY SMALL SHRUB / ZONE A & B	1 GAL	36" o.c.	10
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
	CO	CAREX OBNUPTA / SLOUGH SEDGE HERBACEOUS / ZONE A	4"POT	12" o.c.	78
	JUN ELK	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH HERBACEOUS / ZONE A & B	4"POT	12" o.c.	114

**SP-2 STORMWATER FACILITY PLANT NOTES**

TREATMENT AREA = 665 S.F.  
 REQUIRED TREES (1 TREE PER 100 S.F.) = 7 TREES  
 PROVIDED TREES = 7 TREES  
 REQUIRED LARGE SHRUBS (3 LARGE SHRUBS PER 100 S.F.) = 20 LARGE SHRUBS  
 PROVIDED LARGE SHRUBS = 20 LARGE SHRUBS  
 REQUIRED SMALL SHRUBS (4 SMALL SHRUBS PER 100 S.F.) = 27 SMALL SHRUBS  
 PROVIDED SMALL SHRUBS = 27 SMALL SHRUBS  
 TOTAL SHRUBS/GROUNDCOVER = 239  
 REQUIRED 50% MINIMUM EVERGREEN PLANTS BY NUMBER  
 PROVIDED 205 EVERGREEN PLANTS = 86% EVERGREEN

**2 SP-2 STORMWATER FACILITY PLANT DIAGRAM AND SCHEDULE**  
 L4.5  
 ( IN FEET )  
 1 inch = 10 ft.

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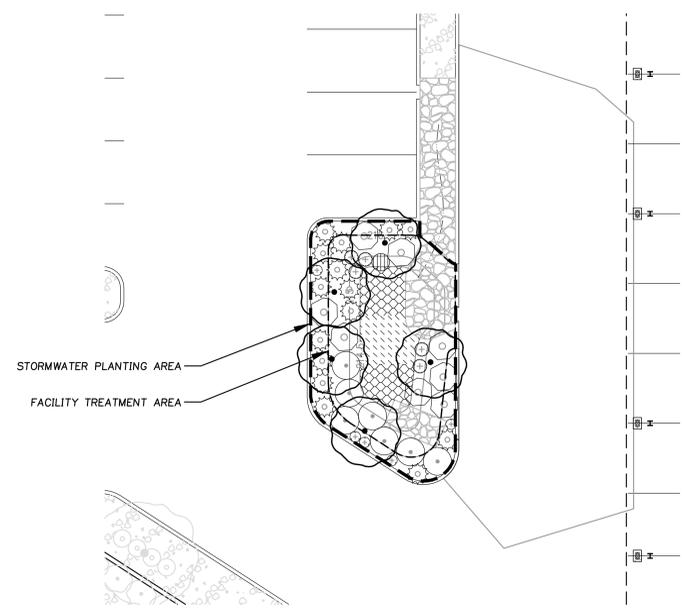
NO.	REVISION	DATE

SHEET TITLE:  
**SP-1 AND SP-2  
 STORMWATER  
 FACILITY  
 PLANT DIAGRAMS  
 AND SCHEDULES**

DRAWN BY: TSD  
 CHECKED BY: RAH  
 SHEET

**L4.5**

JOB NO. **2140284.00**



PLANT SCHEDULE SP-3					
TREES	CODE	BOTANICAL NAME / COMMON NAME	SIZE		QTY
	ACE CIR	ACER CIRCINATUM / VINE MAPLE TREE / ZONE A & B	10' HT. MIN., B&B, MULTI-STEM		5
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	CR	CORNUS SERICEA / RED TWIG DOGWOOD LARGE SHRUB / ZONE A & B	1 GAL	48" o.c.	7
	MR	MAHONIA REPENS / CREEPING MAHONIA SMALL SHRUB / ZONE A & B	1 GAL	18" o.c.	5
	RN	ROSA NUTKANA / NOOTKA ROSE LARGE SHRUB / ZONE A & B	30" HT. MIN.	48" o.c.	8
	SB	SPIRAEA BETULIFOLIA / BIRCH LEAF SPIREA SMALL SHRUB / ZONE A & B	1 GAL	24" o.c.	5
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY SMALL SHRUB / ZONE A & B	1 GAL	36" o.c.	15
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
	CO	CAREX OBNUPTA / SLOUGH SEDGE HERBACEOUS / ZONE A	4"POT	12" o.c.	55
	JUN ELK	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH HERBACEOUS / ZONE A & B	4"POT	12" o.c.	89

**SP-3 STORMWATER FACILITY PLANT NOTES**

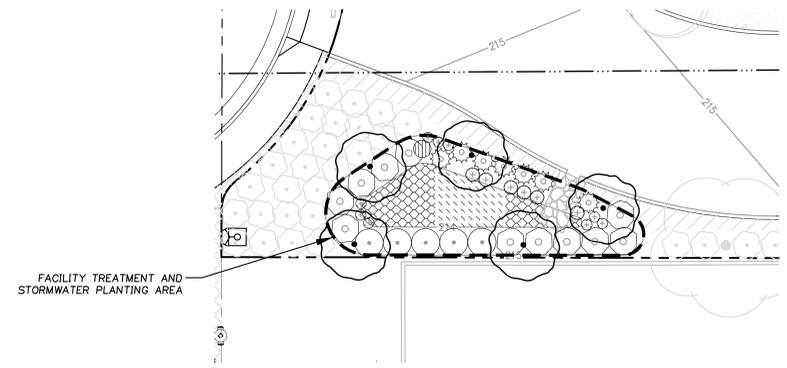
TREATMENT AREA = 490 S.F.  
 REQUIRED TREES (1 TREE PER 100 S.F.) = 5 TREES  
 PROVIDED TREES = 5 TREES  
 REQUIRED LARGE SHRUBS (3 LARGE SHRUBS PER 100 S.F.) = 15 LARGE SHRUBS  
 PROVIDED LARGE SHRUBS = 15 LARGE SHRUBS  
 REQUIRED SMALL SHRUBS (4 SMALL SHRUBS PER 100 S.F.) = 20 SMALL SHRUBS  
 PROVIDED SMALL SHRUBS = 20 SMALL SHRUBS  
 TOTAL SHRUBS/GROUNDCOVER = 179  
 REQUIRED 50% MINIMUM EVERGREEN PLANTS BY NUMBER  
 PROVIDED 150 EVERGREEN PLANTS = 84% EVERGREEN

**1 SP-3 STORMWATER FACILITY PLANT DIAGRAM AND SCHEDULE**  
 L4.6  
 ( IN FEET )  
 1 inch = 10 ft.

PLANT SCHEDULE SP-4					
TREES	CODE	BOTANICAL NAME / COMMON NAME	SIZE		QTY
	ACE CIR	ACER CIRCINATUM / VINE MAPLE TREE / ZONE A & B	10' HT. MIN., B&B, MULTI-STEM		5
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	CR	CORNUS SERICEA / RED TWIG DOGWOOD LARGE SHRUB / ZONE A & B	1 GAL	48" o.c.	5
	MR	MAHONIA REPENS / CREEPING MAHONIA SMALL SHRUB / ZONE A & B	1 GAL	18" o.c.	9
	RN	ROSA NUTKANA / NOOTKA ROSE LARGE SHRUB / ZONE A & B	30" HT. MIN.	48" o.c.	11
	SB	SPIRAEA BETULIFOLIA / BIRCH LEAF SPIREA SMALL SHRUB / ZONE A & B	1 GAL	24" o.c.	6
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY SMALL SHRUB / ZONE A & B	1 GAL	36" o.c.	7
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
	CO	CAREX OBNUPTA / SLOUGH SEDGE HERBACEOUS / ZONE A	4"POT	12" o.c.	73
	JUN ELK	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH HERBACEOUS / ZONE A & B	4"POT	12" o.c.	102

**SP-4 STORMWATER FACILITY PLANT NOTES**

TREATMENT AREA = 547 S.F.  
 REQUIRED TREES (1 TREE PER 100 S.F.) = 5 TREES  
 PROVIDED TREES = 5 TREES  
 REQUIRED LARGE SHRUBS (3 LARGE SHRUBS PER 100 S.F.) = 16 LARGE SHRUBS  
 PROVIDED LARGE SHRUBS = 16 LARGE SHRUBS  
 REQUIRED SMALL SHRUBS (4 SMALL SHRUBS PER 100 S.F.) = 22 SMALL SHRUBS  
 PROVIDED SMALL SHRUBS = 22 SMALL SHRUBS  
 TOTAL SHRUBS/GROUNDCOVER = 223  
 REQUIRED 50% MINIMUM EVERGREEN PLANTS BY NUMBER  
 PROVIDED 194 EVERGREEN PLANTS = 86% EVERGREEN



**2 SP-4 STORMWATER FACILITY PLANT DIAGRAM AND SCHEDULE**  
 L4.6  
 ( IN FEET )  
 1 inch = 10 ft.

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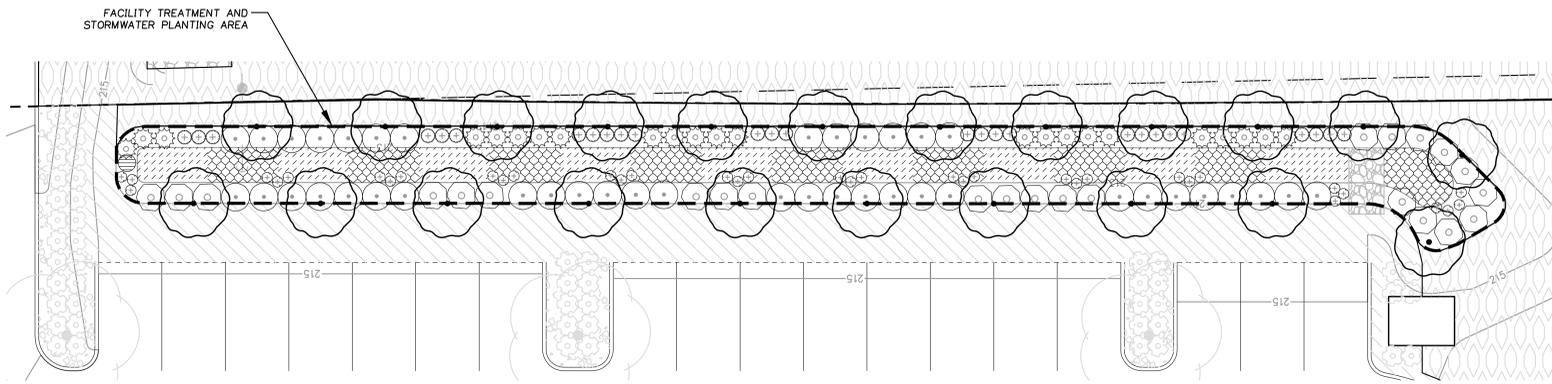
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SHEET TITLE:  
**SP-3 AND SP-4  
 STORMWATER  
 FACILITY  
 PLANT DIAGRAMS  
 AND SCHEDULES**

DRAWN BY: TSD  
 CHECKED BY: RAH  
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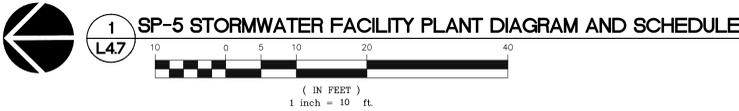
**L4.6**

JOB NO. **2140284.00**



**SP-5 STORMWATER FACILITY PLANT NOTES**

TREATMENT AREA = 2,180 S.F.  
 REQUIRED TREES (1 TREE PER 100 S.F.) = 22 TREES  
 PROVIDED TREES = 22 TREES  
 REQUIRED LARGE SHRUBS (3 LARGE SHRUBS PER 100 S.F.) = 65 LARGE SHRUBS  
 PROVIDED LARGE SHRUBS = 65 LARGE SHRUBS  
 REQUIRED SMALL SHRUBS (4 SMALL SHRUBS PER 100 S.F.) = 87 SMALL SHRUBS  
 PROVIDED SMALL SHRUBS = 87 SMALL SHRUBS  
 TOTAL SHRUBS/GROUNDCOVER = 1,056  
 REQUIRED 50% MINIMUM EVERGREEN PLANTS BY NUMBER  
 PROVIDED 941 EVERGREEN PLANTS = 89% EVERGREEN



**1 SP-5 STORMWATER FACILITY PLANT DIAGRAM AND SCHEDULE**

( IN FEET )  
 1 inch = 10 ft.

TREES	CODE	BOTANICAL NAME / COMMON NAME	SIZE	QTY	
	ACE CIR	ACER CIRCINATUM / VINE MAPLE TREE / ZONE A & B	10' HT. MIN., B&B, MULTI-STEM	22	
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	CR	CORNUS SERICEA / RED TWIG DOGWOOD LARGE SHRUB / ZONE A & B	1 GAL	48" o.c.	41
	MR	MAHONIA REPENS / CREEPING MAHONIA SMALL SHRUB / ZONE A & B	1 GAL	18" o.c.	37
	RN	ROSA NUTKANA / NOOTKA ROSE LARGE SHRUB / ZONE A & B	30" HT. MIN.	48" o.c.	24
	SB	SPIRAEA BETULIFOLIA / BIRCH LEAF SPIREA SMALL SHRUB / ZONE A & B	1 GAL	24" o.c.	27
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY SMALL SHRUB / ZONE A & B	1 GAL	36" o.c.	23
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
	CO	CAREX OBNUPTA / SLOUGH SEDGE HERBACEOUS / ZONE A	4"POT	12" o.c.	454
	JUN ELK	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH HERBACEOUS / ZONE A & B	4"POT	12" o.c.	450

TREES	CODE	BOTANICAL NAME / COMMON NAME	SIZE	QTY	
	ACE CIR	ACER CIRCINATUM / VINE MAPLE	10' HT. MIN., B&B, MULTI-STEM	10	
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	CR	CORNUS SERICEA / RED TWIG DOGWOOD LARGE SHRUB / ZONE A & B	1 GAL	48" o.c.	24
	MR	MAHONIA REPENS / CREEPING MAHONIA SMALL SHRUB / ZONE A & B	1 GAL	18" o.c.	29
	RN	ROSA NUTKANA / NOOTKA ROSE LARGE SHRUB / ZONE A & B	30" HT. MIN.	48" o.c.	21
	SB	SPIRAEA BETULIFOLIA / BIRCH LEAF SPIREA SMALL SHRUB / ZONE A & B	1 GAL	24" o.c.	3
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY SMALL SHRUB / ZONE A & B	1 GAL	36" o.c.	13
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
	CO	CAREX OBNUPTA / SLOUGH SEDGE HERBACEOUS / ZONE A	4"POT	12" o.c.	195
	JUN ELK	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH HERBACEOUS / ZONE A & B	4"POT	12" o.c.	247

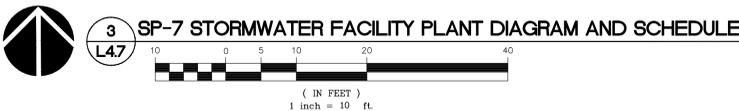
**SP-6 STORMWATER FACILITY PLANT NOTES**

TREATMENT AREA = 982 S.F.  
 REQUIRED TREES (1 TREE PER 100 S.F.) = 10 TREES  
 PROVIDED TREES = 10 TREES  
 REQUIRED LARGE SHRUBS (3 LARGE SHRUBS PER 100 S.F.) = 29 LARGE SHRUBS  
 PROVIDED LARGE SHRUBS = 45 LARGE SHRUBS  
 REQUIRED SMALL SHRUBS (4 SMALL SHRUBS PER 100 S.F.) = 39 SMALL SHRUBS  
 PROVIDED SMALL SHRUBS = 45 SMALL SHRUBS  
 TOTAL SHRUBS/GROUNDCOVER = 532  
 REQUIRED 50% MINIMUM EVERGREEN PLANTS BY NUMBER  
 PROVIDED 471 EVERGREEN PLANTS = 89% EVERGREEN

TREES	CODE	BOTANICAL NAME / COMMON NAME	SIZE	QTY	
	ACE CIR	ACER CIRCINATUM / VINE MAPLE TREE / ZONE A & B	10' HT. MIN., B&B, MULTI-STEM	4	
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
	CR	CORNUS SERICEA / RED TWIG DOGWOOD LARGE SHRUB / ZONE A & B	1 GAL	48" o.c.	5
	MR	MAHONIA REPENS / CREEPING MAHONIA SMALL SHRUB / ZONE A & B	1 GAL	18" o.c.	5
	RN	ROSA NUTKANA / NOOTKA ROSE LARGE SHRUB / ZONE A & B	30" HT. MIN.	48" o.c.	6
	SB	SPIRAEA BETULIFOLIA / BIRCH LEAF SPIREA SMALL SHRUB / ZONE A & B	1 GAL	24" o.c.	4
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY SMALL SHRUB / ZONE A & B	1 GAL	36" o.c.	6
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
	CO	CAREX OBNUPTA / SLOUGH SEDGE HERBACEOUS / ZONE A	4"POT	12" o.c.	54
	JUN ELK	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH HERBACEOUS / ZONE A & B	4"POT	12" o.c.	91

**SP-7 STORMWATER FACILITY PLANT NOTES**

TREATMENT AREA = 367 S.F.  
 REQUIRED TREES (1 TREE PER 100 S.F.) = 4 TREES  
 PROVIDED TREES = 4 TREES  
 REQUIRED LARGE SHRUBS (3 LARGE SHRUBS PER 100 S.F.) = 11 LARGE SHRUBS  
 PROVIDED LARGE SHRUBS = 11 LARGE SHRUBS  
 REQUIRED SMALL SHRUBS (4 SMALL SHRUBS PER 100 S.F.) = 15 SMALL SHRUBS  
 PROVIDED SMALL SHRUBS = 15 SMALL SHRUBS  
 TOTAL SHRUBS/GROUNDCOVER = 171  
 REQUIRED 50% MINIMUM EVERGREEN PLANTS BY NUMBER  
 PROVIDED 150 EVERGREEN PLANTS = 88% EVERGREEN

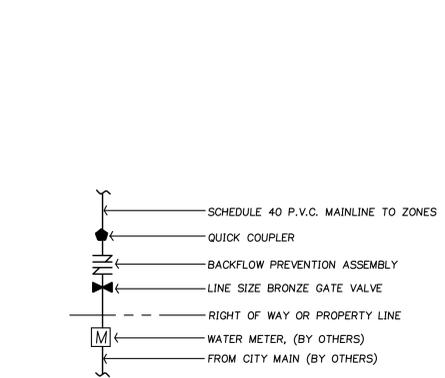


**3 SP-7 STORMWATER FACILITY PLANT DIAGRAM AND SCHEDULE**

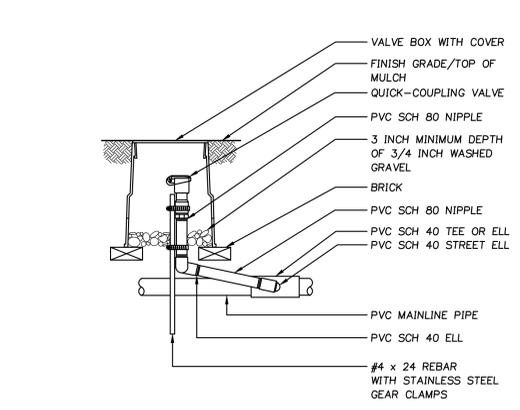
( IN FEET )  
 1 inch = 10 ft.



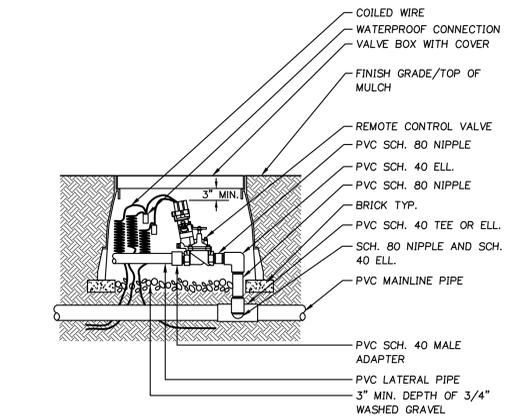
NO.	REVISIONS	REVISION	DATE
1	ISSUED FOR PERMIT		01/08/16



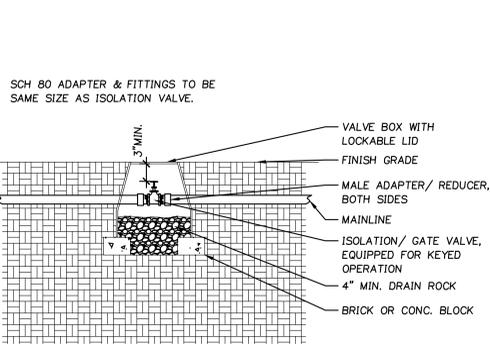
**1 POINT OF CONNECTION**  
L8.1 SCALE: NTS



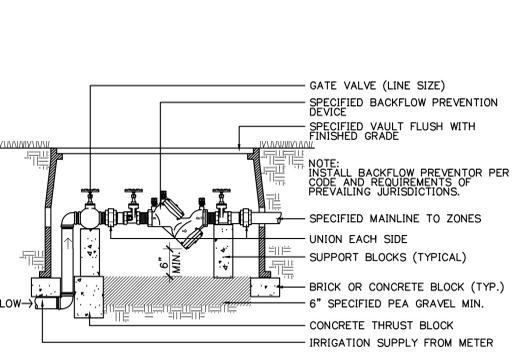
**2 QUICK COUPLING VALVE**  
L8.1 SCALE: NTS



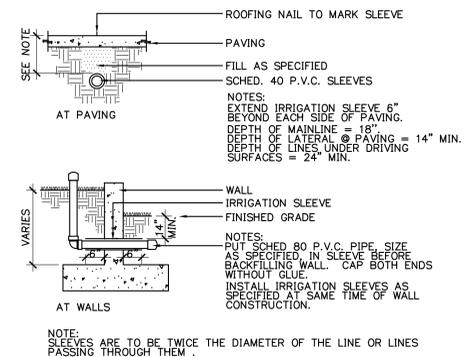
**3 ELECTRIC REMOTE CONTROL VALVE**  
L8.1 SCALE: NTS



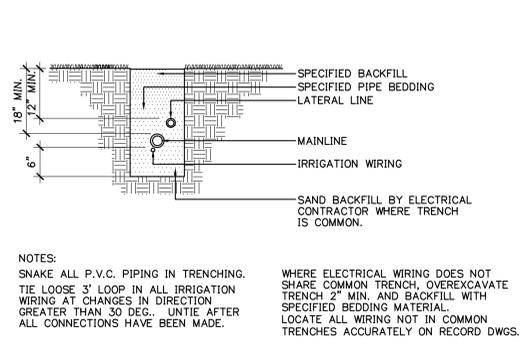
**4 ISOLATION/GATE VALVE**  
L8.1 SCALE: NTS



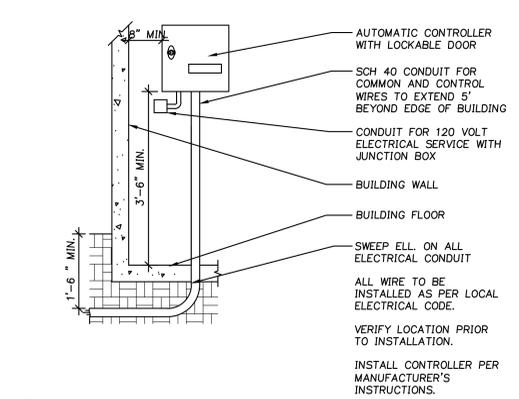
**5 DOUBLE CHECK VALVE**  
L8.1 BACKFLOW PREVENTER (BELOW GRADE) N.T.S.



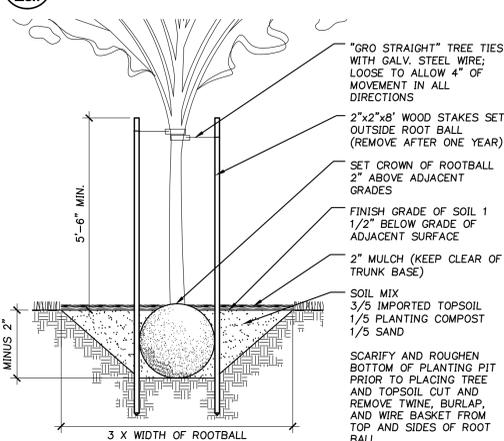
**6 IRRIGATION SLEEVES**  
L8.1 N.T.S.



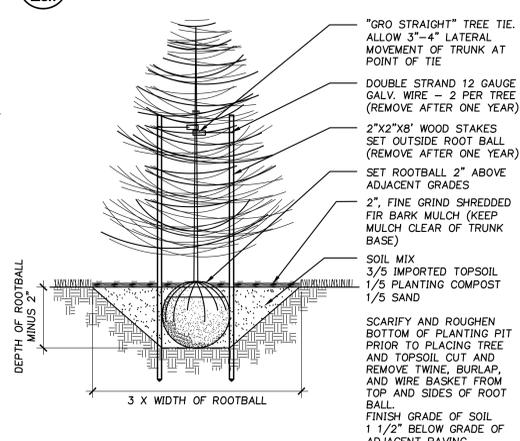
**7 TYPICAL TRENCHING**  
L8.1 N.T.S.



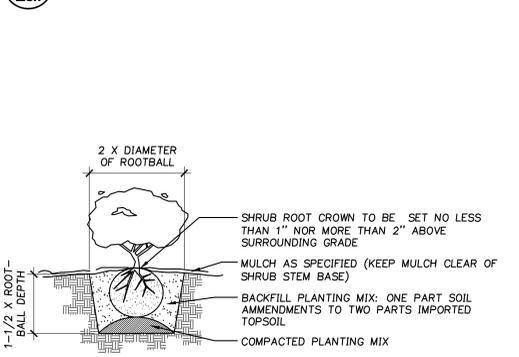
**8 WALL MOUNT CONTROLLER**  
L8.1 INTERIOR SCALE: NTS



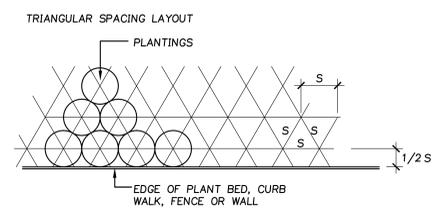
**11 DECIDUOUS TREE STAKING DETAIL**  
L8.1 N.T.S.



**12 CONIFER STAKING DETAIL**  
L8.1 N.T.S.



**13 SHRUB PLANTING DETAIL**  
L8.1 SCALE: NTS

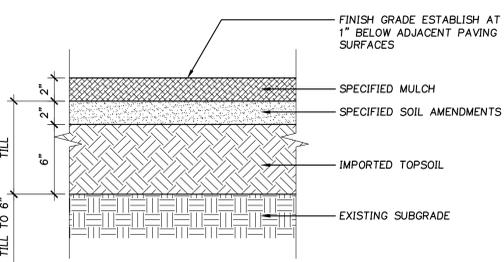


S = SPACING AS SHOWN ON PLANS TO CALCULATE PLANTS PER SQUARE FOOT - IF SPACING (S)

EQUALS: MULTIPLY S.F. AREA BY: TO EQUAL TOTAL PLANTS PER S.F.

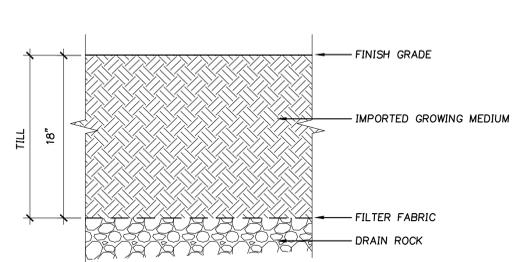
5"	4.61
6"	1.156
12"	0.513
24"	0.258
30"	0.184
36"	0.120
42"	0.084
48"	0.072

**14 PLANT SPACING**  
L8.1 SCALE: NTS



- NOTES:**
- REMOVE ALL ROCK, DEBRIS AND OTHER FOREIGN MATTER OVER 1" IN DIAMETER FROM TOP 12" OF SOIL.
  - RIP AND TILL SUBGRADE TO 6" DEEP (MIN.) PRIOR TO INSTALLING TOPSOIL AND TILL INTERFACE OF SUBGRADE AND TOPSOIL.
  - TILL TOPSOIL AND SOIL AMENDMENTS TO A MIN. 6" DEPTH.
  - SUBMIT SAMPLE OF BARK MULCH & TOPSOIL FOR ACCEPTANCE PRIOR TO PLACEMENT.

**16 SOIL PREP. DETAIL**  
L8.1 N.T.S.



- NOTES:**
- SEE SPECS FOR GROWING MEDIUM OR USE SAND/LOAM/COMPOST 3-WAY MIX

**17 STORMWATER SOIL PREP. DETAIL**  
L8.1 N.T.S.

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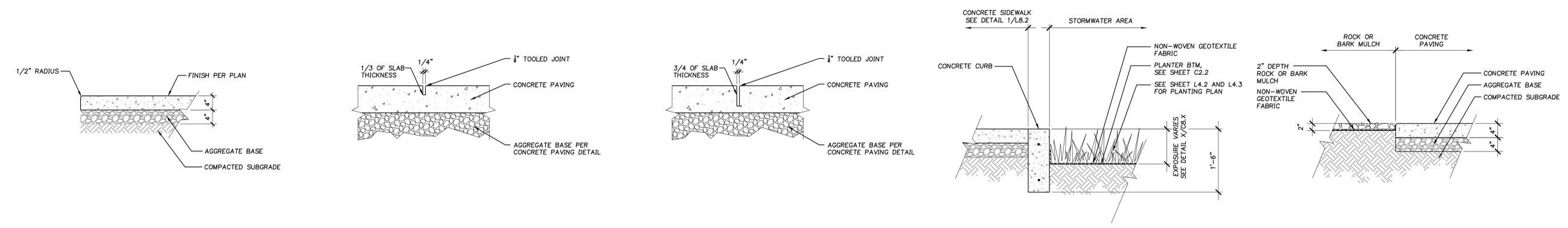
REVISIONS:

NO.	REVISIONS	REVISION DATE	DELTA

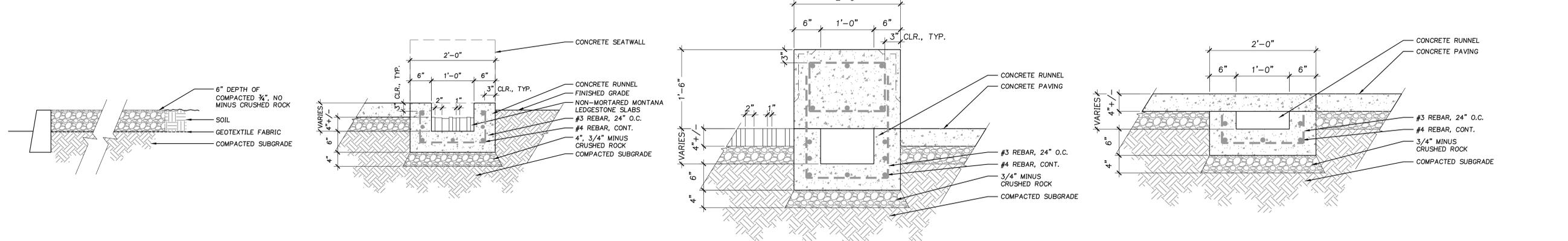
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**IRRIGATION AND PLANTING DETAILS**

DRAWN BY: TSD  
CHECKED BY: RAH  
SHEET

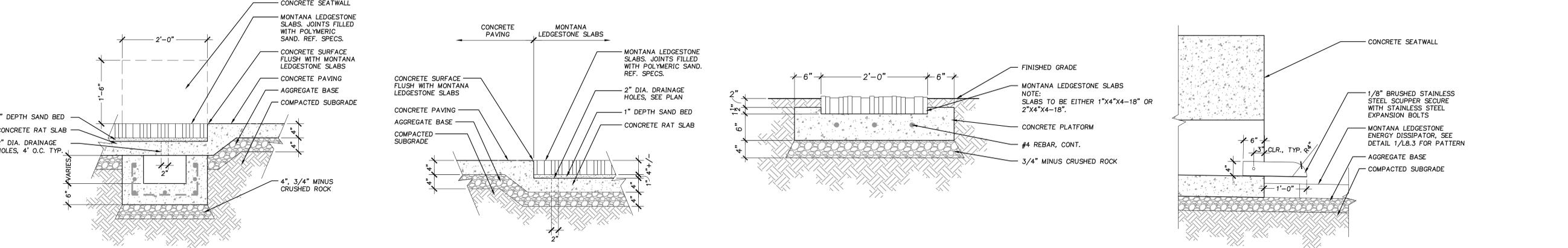
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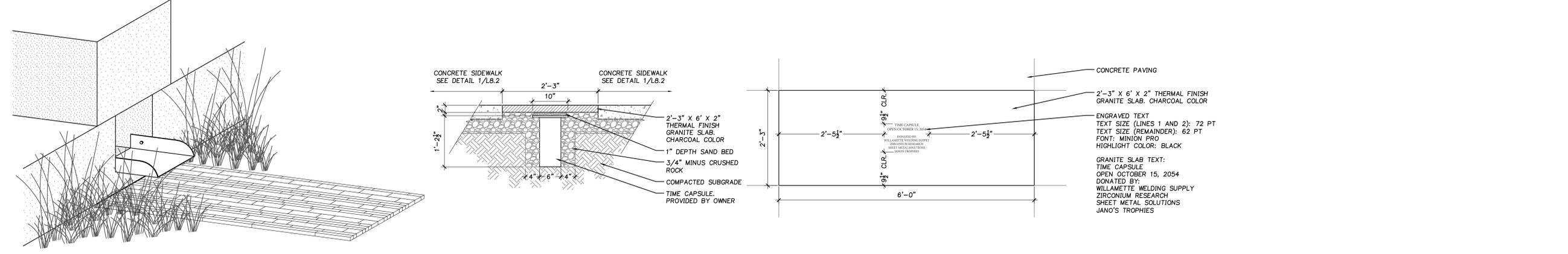
**1** CONCRETE PAVING N.T.S. **2** TOOLED JOINT N.T.S. **3** DEEP TOOLED JOINT N.T.S. **4** STORMWATER CONCRETE CURB N.T.S. **5** ROCK OR BARK MULCH WITH WEED BARRIER N.T.S.



**6** CRUSHED ROCK MULCH WITH WEED BARRIER N.T.S. **7** CONCRETE RUNNEL BETWEEN SEATWALLS N.T.S. **8** RUNNEL AT PLAZA N.T.S. **9** RUNNEL UNDER CONCRETE PAVING N.T.S.



**10** STORMWATER DRAINAGE UNDER PLAZA N.T.S. **11** LEDGESTONE SLABS AT CONCRETE PAVING N.T.S. **12** MONTANA LEDGESTONE ENERGY DISSIPATOR N.T.S. **13** SCUPPER SECTION N.T.S.



**14** SCUPPER AXON N.T.S. **15** TIME CAPSULE SECTION N.T.S. **16** TIME CAPSULE PLAN N.T.S.

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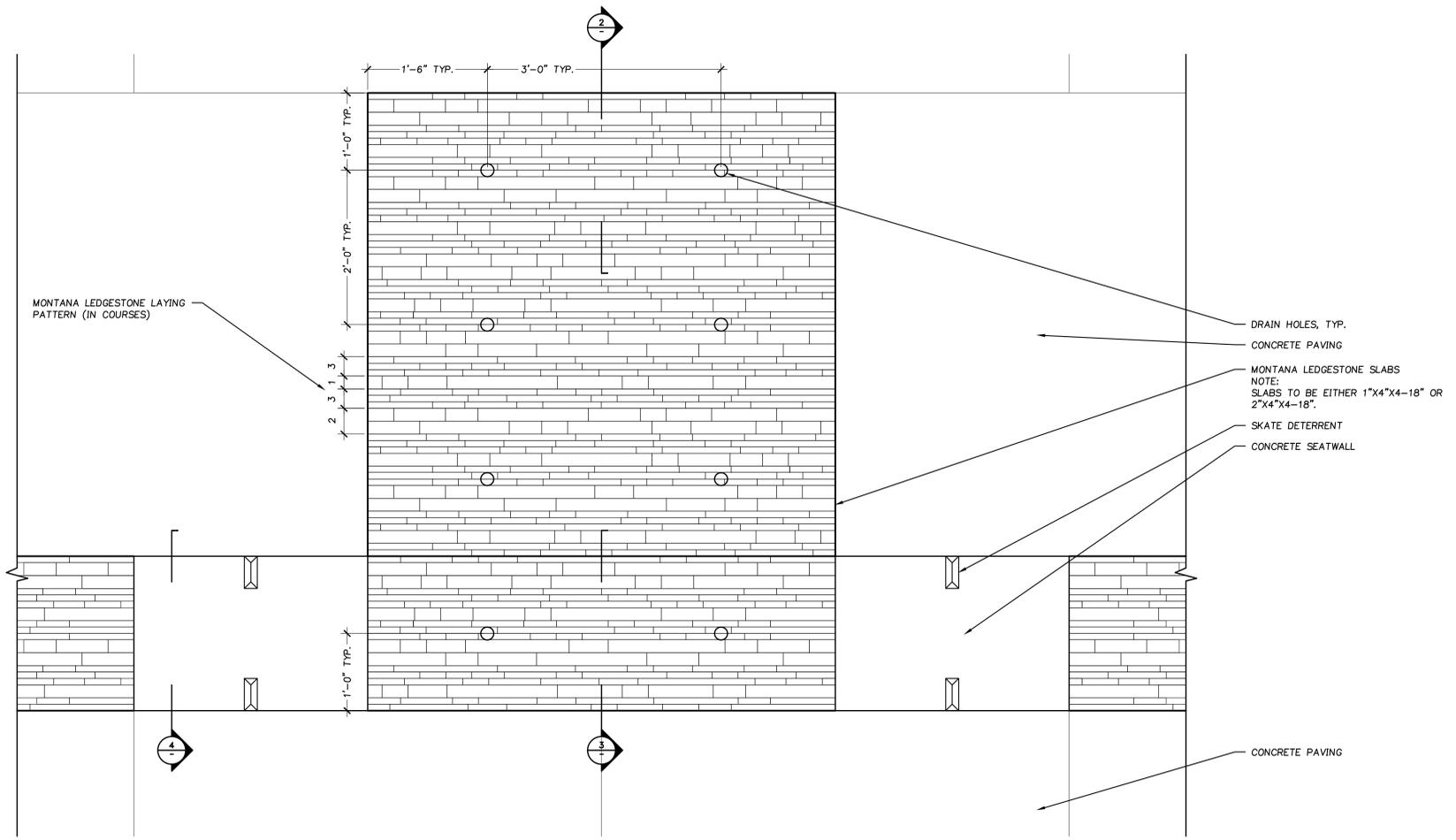
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DETAILS 1**

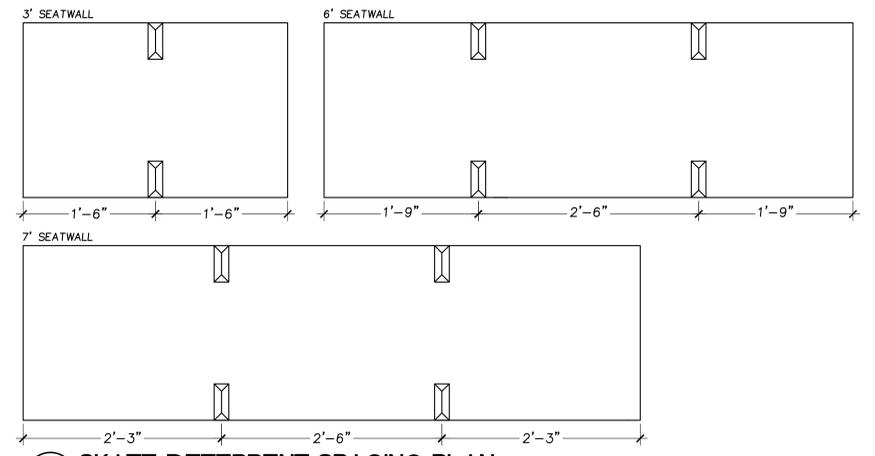
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**L8.2**

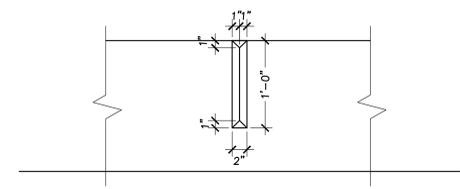
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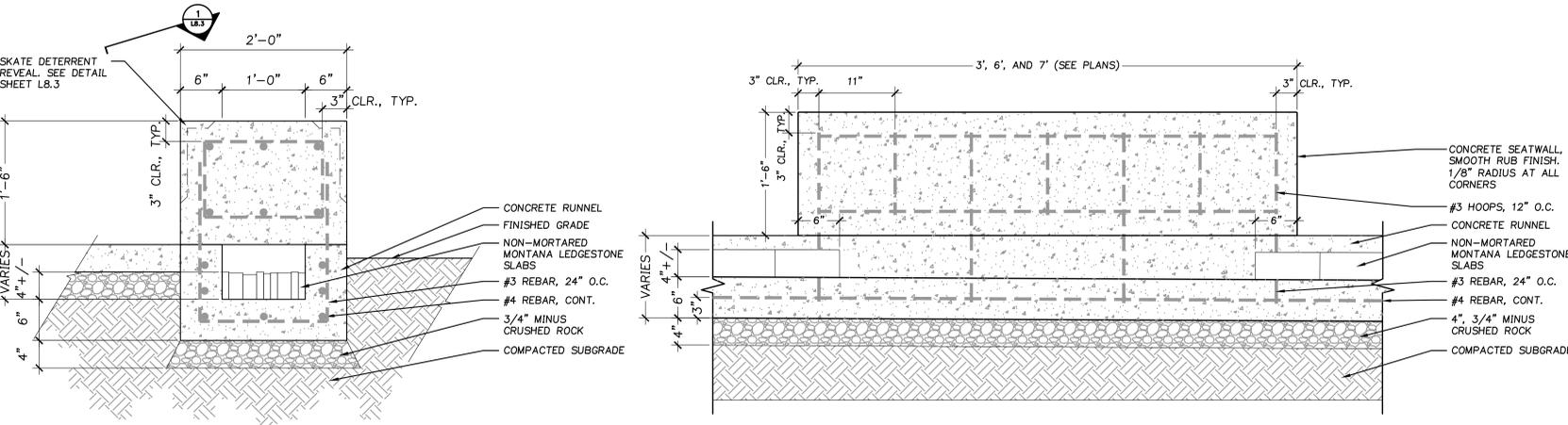
**1 MONTANA LEDGESTONE PAVING CONDITION**  
L8.3



**2 SKATE DETERRENT SPACING PLAN**  
L8.3

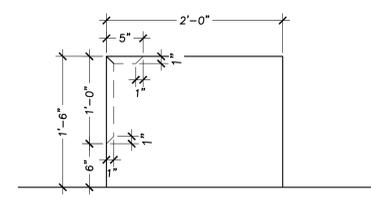


**3 SKATE DETERRENT ELEVATION**  
L8.3

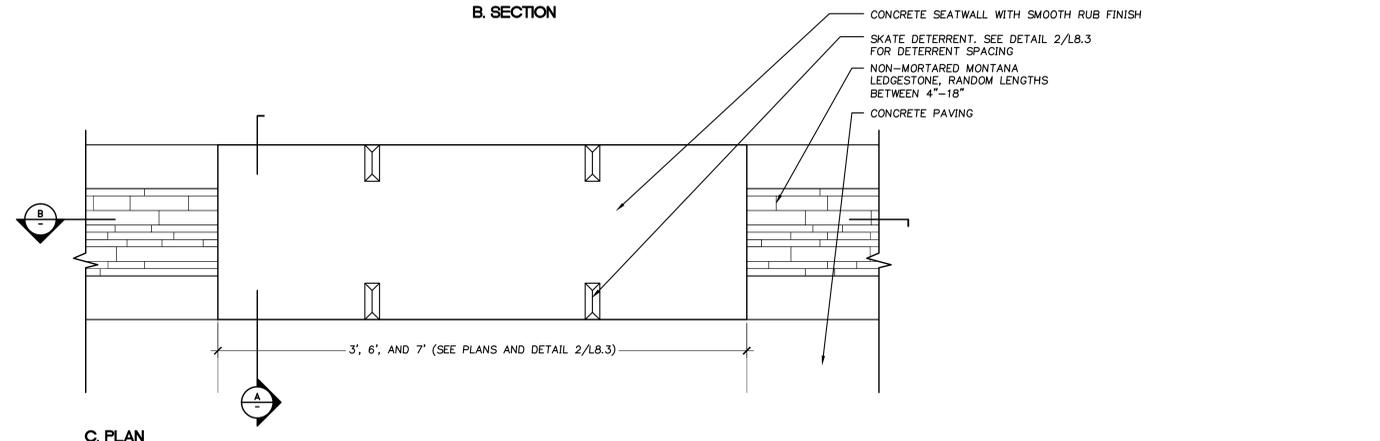


**A SECTION**

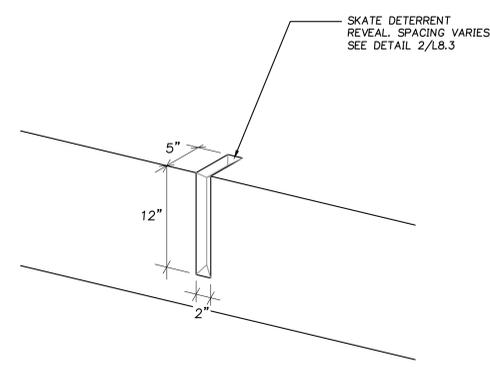
**B SECTION**



**4 SKATE DETERRENT ELEVATION**  
L8.3



**5 RECTANGULAR CONCRETE SEATWALL WITH SKATE DETERRENDS**  
L8.3



**6 SKATE DETERRENT AXON**  
L8.3

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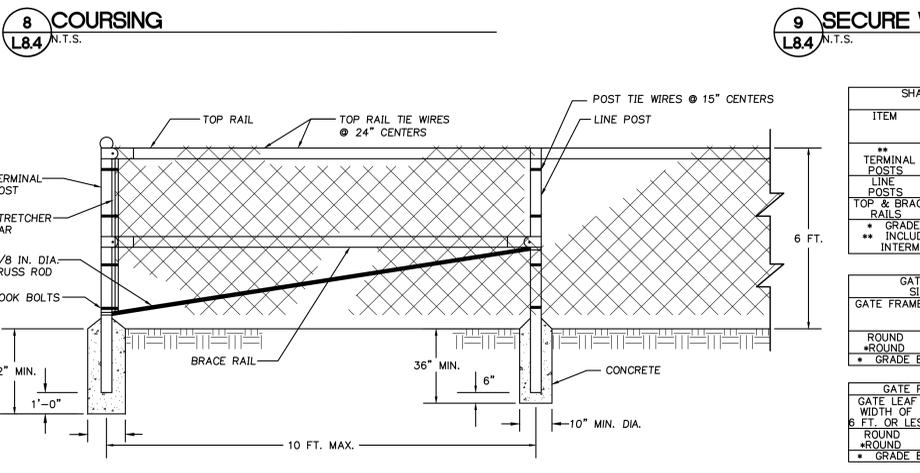
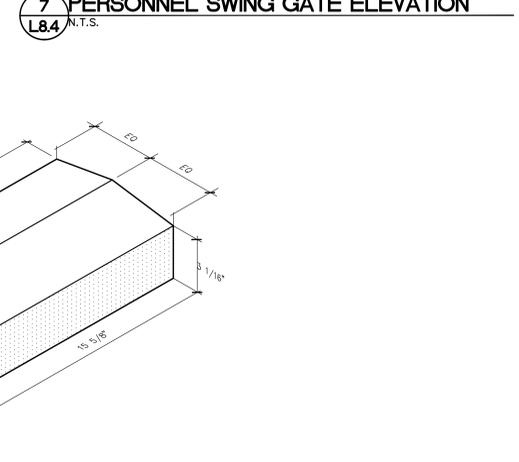
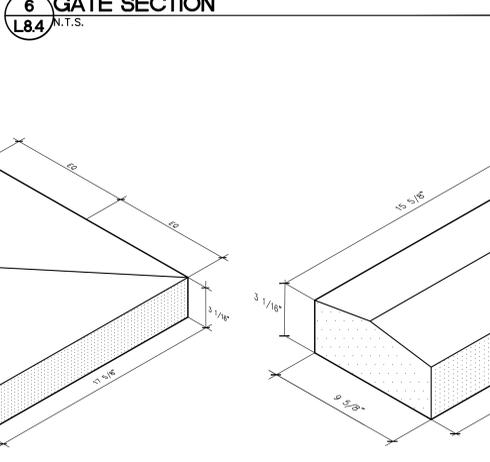
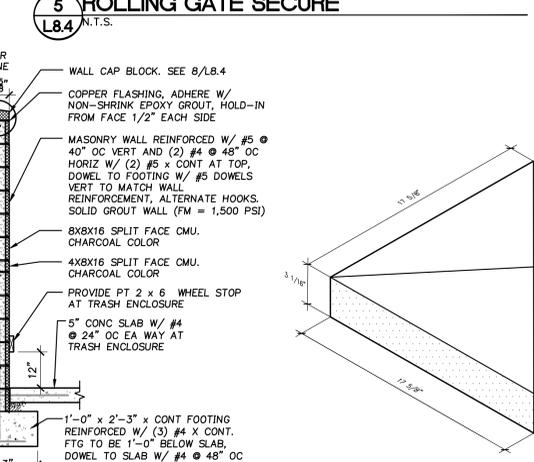
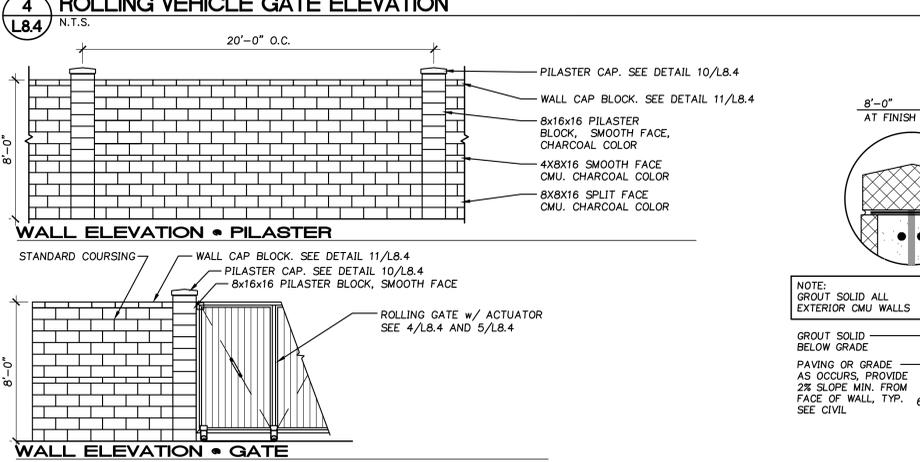
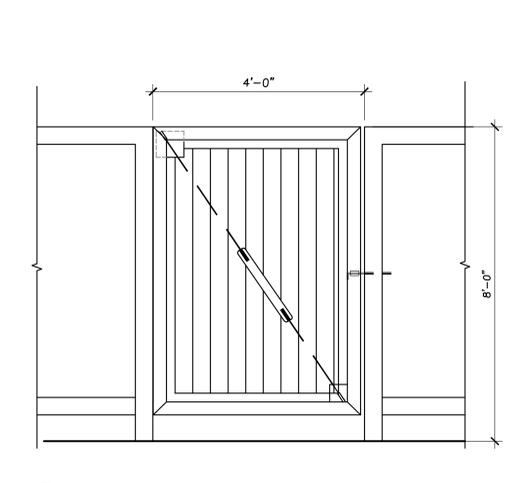
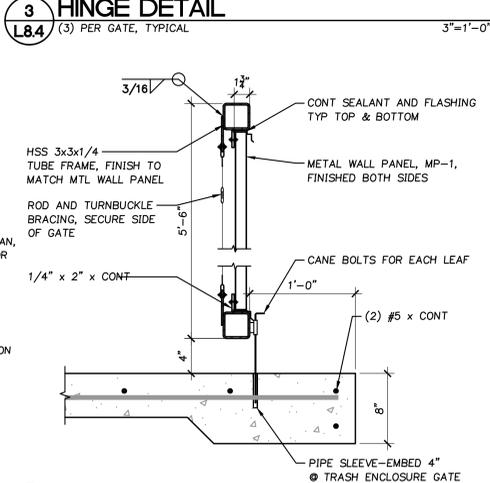
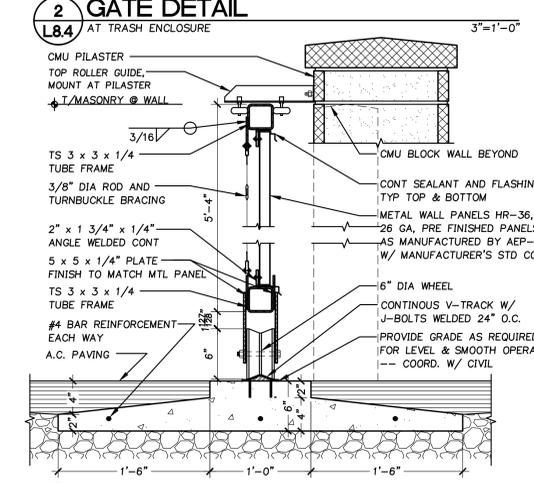
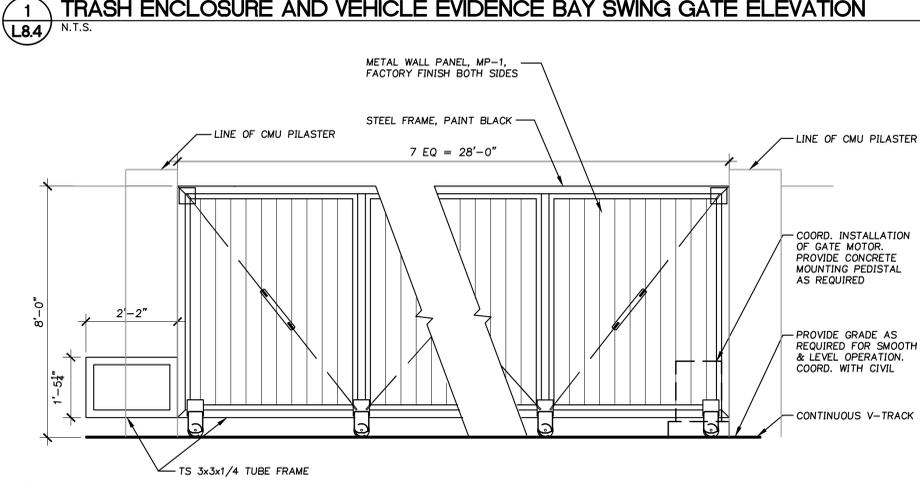
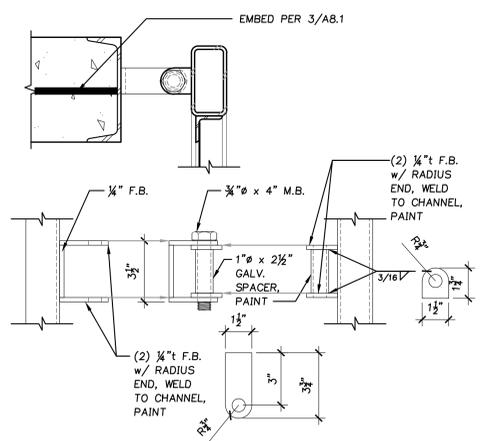
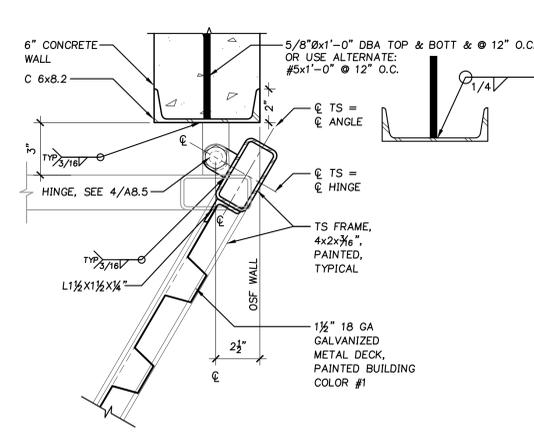
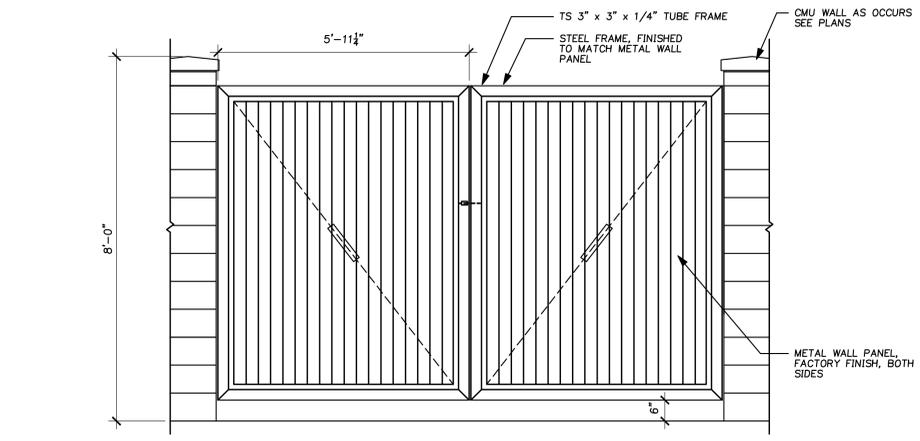
NO.	REVISION	DATE

SHEET TITLE:  
**SITE DETAILS 2**

DRAWN BY: ADS  
CHECKED BY: RAH  
SHEET

**L8.3**

JOB NO. 2140284.00



SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FENCE POSTS AND RAILS

ITEM	SHAPE	OUTSIDE DIMENSIONS INCHES	WEIGHT LBS./LIN. FT.
TERMINAL POSTS	ROUND	2.375	3.65
LINE POSTS	ROUND	2.375	3.12
TOP & BRACE RAILS	ROUND	1.90	2.72
	ROUND	1.90	2.28
	ROUND	1.66	2.27
	ROUND	1.66	1.84

\* GRADE B HIGH STRENGTH STEEL  
\*\* INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

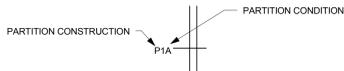
GATE FRAME MEMBERS SIZE AND WEIGHT			
GATE FRAME	OUTSIDE DIMENSIONS INCHES	WEIGHT LBS./LIN. FT.	
ROUND	1.66	2.27	
ROUND	1.66	1.84	
			* GRADE B HIGH STRENGTH STEEL

GATE POST SIZE AND WEIGHT			
GATE LEAF WIDTH OF 6 FT. OR LESS	OUTSIDE DIMENSIONS INCHES	WEIGHT LBS./LIN. FT.	
ROUND	2.875	5.79	
ROUND	2.875	4.64	
			* GRADE B HIGH STRENGTH STEEL

NOTE:  
1. ALL POSTS ARE 7'-6" MIN.  
2. LINE POSTS MAY BE DRIVE SET TO 40" MIN. BELOW GRADE AND CONCRETE OMITTED.  
3. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.  
4. ALL POSTS SHALL BE INSTALLED VERTICALLY, WHERE POSTS ARE INSTALLED ON AN INCLINED SURFACE, THE ANGLE OF THE POST SHALL BE ADJUSTED SO THAT THE POST WILL BE VERTICAL.  
5. THE FENCING SHALL BE #9 GAGE FENCE FABRIC, STANDARD 2-INCH CHAIN LINK DIAMOND MESH.  
6. SLATS TO BE INSTALLED IN FENCE.

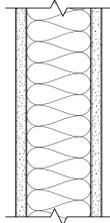
# PARTITION TYPES

- A. PARTITION TYPES ARE REFERENCED ON PLANS AND IN DETAILS
- B. PARTITION TYPES ARE IDENTIFIED USING A NOTATION SYSTEM AS FOLLOWS:
  - A. PARTITION CONSTRUCTION
    - P1, P2, P3... GENERAL DESCRIPTION AND OVERALL DIMENSIONS
  - B. PARTITION CONDITION
    - A, B, C... DETAILED DESCRIPTION OF COMPONENTS AND PERMUTATIONS, IF ANY



# PARTITION NOTES

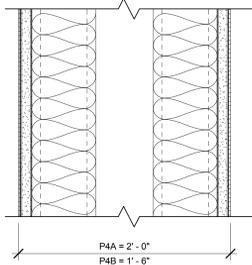
- A. PARTITIONS EXTEND FROM FLOOR TO 6" ABOVE CEILING, UNLESS NOTED OTHERWISE
- B. SEE FINISH PLANS AND SCHEDULES FOR WALL FINISHES
- C. WATER RESISTANT GYP BD AT RESTROOM/JANITOR CLOSETS/LOCKER ROOM WALLS



- P1A: - 5/8" GYP BD  
- 3 5/8" MTL STUDS @ 24" OC  
- SOUND ATTENUATION BATT INSULATION  
- 5/8" GYP BD
- P1B: - 5/8" GYP BD  
- 6" MTL STUDS @ 24" OC  
- SOUND ATTENUATION BATT INSULATION  
- 5/8" GYP BD
- P1C: - 5/8" GYP BD  
- 3 5/8" MTL STUDS @ 24" OC  
- SOUND ATTENUATION BATT INSULATION

NOTE:  
 \* AT WALLS INDICATED ONE HOUR RATED ON PLANS, PROVIDE UL DESIGN NUMBER U465.  
 - PROVIDE ACOUSTIC SEALANT AT BOTTOM AND TOP OF WALL THAT GO TO STRUCTURE.  
 - IN AREAS PRONE TO MOISTURE USE MOISTURE RESISTANT GYP BD.  
 - USE PARTITION NOTES AND DETAIL 18A1.0 FOR ADDITIONAL INFORMATION ON SPACING, SPAN AND LATERAL BRACING.  
 - FINISH EXTENDS 6" ABOVE CEILING, BOTH SIDES

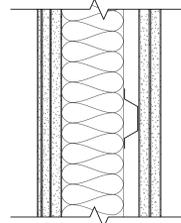
**P1 - TYPICAL WALL**  
 3" = 1'-0"



- P2A: - CERAMIC TILE ON ONE SIDE OR BOTH AS OCCURS  
- 5/8" GYP BD OR GLASS MESH MORTAR UNITS AS OCCURS, BOTH SIDES  
- 3 5/8" MTL STUDS @ 24" OC ON EACH SIDE  
- 2" SOUND ATTENUATION BATT INSUL  
- PLUMBING CHASE BETWEEN STUDS  
- 2" TOTAL ASSEMBLY FROM FINISH FACE TO FINISH FACE
- P2B: - CERAMIC TILE ON ONE SIDE OR BOTH AS OCCURS  
- 5/8" GYP BD OR GLASS MESH MORTAR UNITS AS OCCURS, BOTH SIDES  
- 3 5/8" MTL STUDS @ 24" OC ON EACH SIDE  
- 2" SOUND ATTENUATION BATT INSUL  
- PLUMBING CHASE BETWEEN STUDS  
- 2" TOTAL ASSEMBLY FROM FINISH FACE TO FINISH FACE
- P2C: - CERAMIC TILE ON ONE SIDE OR BOTH AS OCCURS  
- 5/8" GYP BD OR GLASS MESH MORTAR UNITS AS OCCURS, BOTH SIDES  
- 3 5/8" MTL STUDS @ 24" OC ON EACH SIDE  
- 2" SOUND ATTENUATION BATT INSUL  
- PLUMBING CHASE BETWEEN STUDS  
- 12" TOTAL ASSEMBLY FROM FINISH FACE TO FINISH FACE

NOTE:  
 - SEE PARTITION NOTE AND DETAIL 18A1.0 FOR ADDITIONAL INFORMATION ON SPACING, SPAN AND LATERAL BRACING  
 - USE MOISTURE RESISTANT GYP BD  
 - WALL ASSEMBLY EXTENDS TO UNDERSIDE OF STRUCTURE, BOTH SIDES

**P2 - PLUMBING WALL**  
 3" = 1'-0"

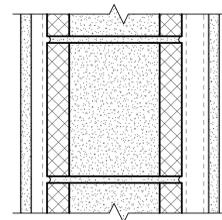


- P3A: - 1/4" GYP BD  
- 1/2" TYPE 'X' GYP BD  
- 5/8" TYPE 'X' GYP BD  
- 3 5/8" MTL STUDS @ 24" OC  
- SOUND BATT INSULATION  
- RESILIENT CHANNELS @ 24" OC  
- 5/8" TYPE 'X' GYP BD  
- 5/8" TYPE 'X' GYP BD
- P3B: - 1/4" GYP BD  
- 1/2" TYPE 'X' GYP BD  
- 5/8" TYPE 'X' GYP BD  
- 6" MTL STUDS @ 24" OC  
- SOUND BATT INSULATION  
- RESILIENT CHANNELS @ 24" OC  
- 5/8" TYPE 'X' GYP BD  
- 5/8" TYPE 'X' GYP BD

SEE GA FILE NO. WP 3110  
 THIS WALL ASSEMBLY IS A 1HR FIRE RATED PARTITION

NOTE:  
 - RUN WALL ASSEMBLY UNDERSIDE OF STRUCTURE, PROVIDE ACOUSTICAL SEALANT AT BOTTOM AND TOP OF WALL AT OFFICES. AT WALLS ACTING AS PART OF FIRE SEPARATION PROVIDE FIRE SEALANT AT TOP AND BOTTOM OF WALLS. REFERENCE T1.2 SECTION 703.7 FOR FURTHER PARTITION WALL MARKING REQUIREMENT.  
 - SEE PARTITION NOTES AND DETAIL 18A1.0 FOR ADDITIONAL INFORMATION ON SPACING, SPAN AND LATERAL BRACING

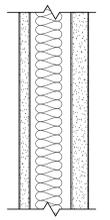
**P3 - ACOUSTIC WALL**  
 3" = 1'-0"



- P4A: - 5/8" GYP BD  
- 7/8" MTL CHANNELS @ 24" OC  
- 6" MASONRY WALL  
- 1 1/2" MTL CHANNELS @ 24" OC  
- 5/8" GYP BD
- P4B: - 5/8" GYP BD  
- 7/8" MTL CHANNELS @ 24" OC  
- 6" MASONRY WALL
- P4C: - 6" MASONRY WALL
- P4D: - 5/8" GYP  
- 7/8" MTL CHANNEL @ 24" OC  
- 6" MASONRY

NOTE: SEE PARTITION NOTES AND DETAIL 18A1.0 FOR ADDITIONAL INFORMATION ON SPACING, SPAN AND LATERAL BRACING.  
 - WALL ASSEMBLY EXTENDS 6" ABOVE CEILING, BOTH SIDES

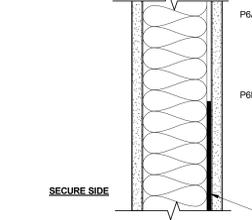
**P4 - MASONRY WALL**  
 3" = 1'-0"



- P5A: - 1 LAYER 5/8" TYPE 'X' GYP BD W/ 1" TYPE S DRYWALL SCREWS 12" OC  
- 2 1/2" x 3/8" VENTED "C" METAL STUDS AT 24" OC - 1 1/2" SOUND ATTENUATION BATT INSULATION 1" TYPE X SHAFT LINER  
- 1" TYPE X SHAFTLINER
- P5B: - 1 LAYER 5/8" TYPE 'X' GYP BD W/ 1" TYPE S DRYWALL SCREWS 12" OC  
- 6" x 3/8" VENTED "C" METAL STUDS AT 24" OC - 1 1/2" SOUND ATTENUATION BATT INSULATION 1" TYPE X SHAFT LINER  
- 1" TYPE X SHAFTLINER

NOTE: SEE PARTITION NOTES AND DETAIL 18A1.0 FOR ADDITIONAL INFORMATION ON SPACING, SPAN AND LATERAL BRACING.  
 - WALL ASSEMBLY EXTENDS 6" ABOVE CEILING, BOTH SIDES

**P5 - SHAFT WALL**  
 3" = 1'-0"



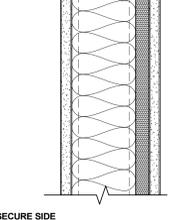
- P6A: - 5/8" GYP BD  
- BULLET-RESISTANT PANEL 6" - 0" HIGH AFF TO CONT W/ SAME THICKNESS OF PLW WOOD SHEATHING ABOVE 6" - 0" - 3 5/8" MTL STUDS @ 24" B  
- 5/8" GYP BD
- P6B: - 5/8" GYP BD  
- BULLET-PROOF PANEL 6" - 0" HIGH AFF TO CONT W/ SAME THICKNESS OF PLW WOOD SHEATHING ABOVE 6" - 0" - 6" MTL STUDS @ 24" B  
- 5/8" GYP BD

INSTALL PANEL JOINTS FOR BULLET RESISTANT SHEATHING PER MFR INSTRUCTIONS

\* AT WALLS INDICATED ONE HOUR RATED ON PLANS PROVIDE UL DESIGN #U465

NOTE: SEE PARTITION NOTES AND DETAIL 18A1.0 FOR ADDITIONAL INFORMATION ON SPACING, SPAN AND LATERAL BRACING.  
 - STUDS EXTEND TO UNDERSIDE OF STRUCTURE  
 - FINISH ON SECURE SIDE EXTENDS 6" ABOVE CEILING  
 - FINISH ON NON-SECURE SIDE EXTENDS TO UNDERSIDE OF STRUCTURE

**P6 - BULLET RESISTANT**  
 3" = 1'-0"

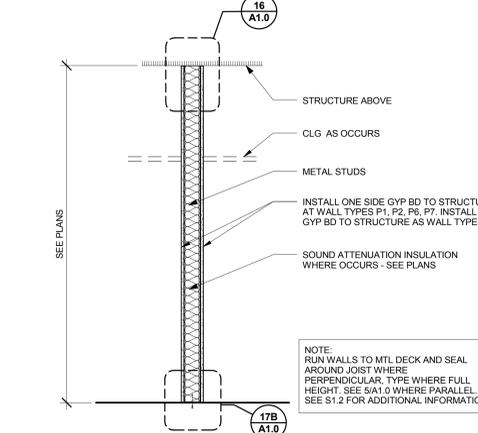


- P7A: - 5/8" GYP BD  
- 3 5/8" MTL STUDS @ 24" B  
- 3" SOUND BATT INSULATION  
- 3/4" PLW WOOD  
- 5/8" GYP BD
- P7B: - 5/8" GYP BD  
- 6" MTL STUDS @ 24" B  
- 5" SOUND BATT INSULATION  
- 3/4" PLW WOOD  
- 5/8" GYP BD
- P7C: - 5/8" GYP BD  
- 6" MTL STUDS @ 24" B  
- 6" SOUND BATT INSULATION  
- 3/4" PLW WOOD  
- 5/8" GYP BD

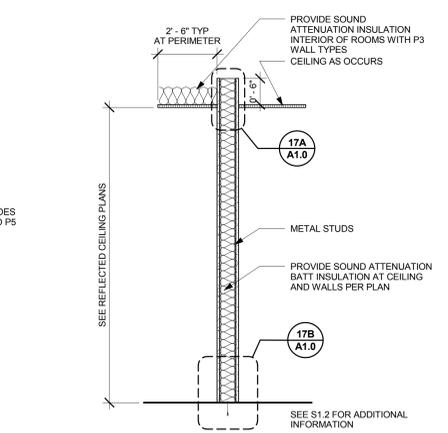
NOTE: SET GYP BD LAYER PERIMETER ON A BEAD OF RESILIENT NON-SETTING ACOUSTICAL CAULKING COMPOUND. PERIMETER OF WALL SHALL NOT BE SET BACK FROM INTERFACE SURFACE BY MORE THAN 1/4" TO ALLOW CAULKING COMPOUND TO JOIN BOTH SURFACES. TAPE & FINISH ALL EXPOSED JOINTS.

NOTE: SEE PARTITION NOTES AND DETAIL 18A1.0 FOR ADDITIONAL INFORMATION ON SPACING, SPAN AND LATERAL BRACING.  
 - WALL ASSEMBLY EXTENDS TO UNDERSIDE OF STRUCTURE, BOTH SIDES

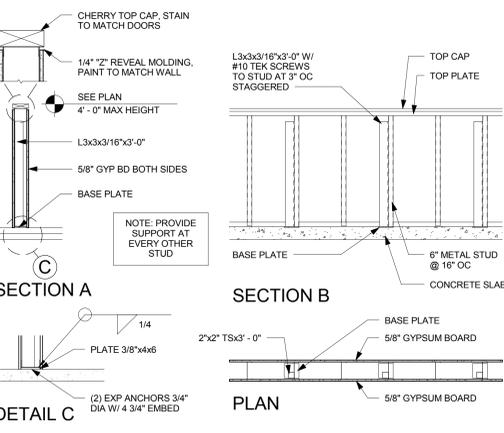
**P7 - SECURITY WALL**  
 3" = 1'-0"



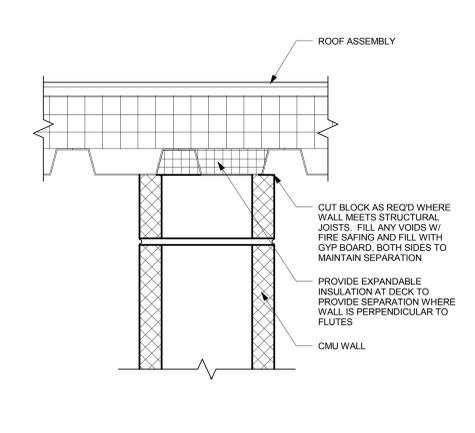
**11 - TYPICAL INTERIOR PARTITION**  
 3/4" = 1'-0"



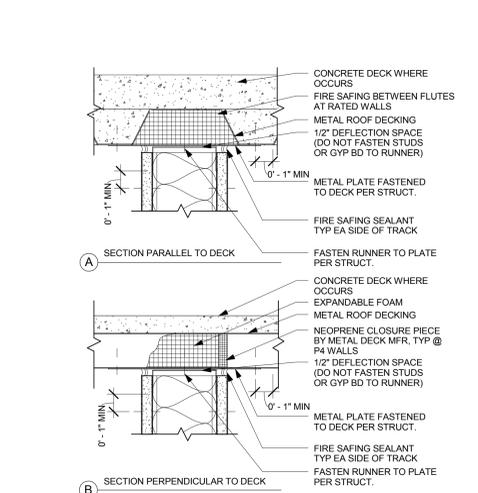
**12 - TYPICAL INTERIOR WALL @ CEILING**  
 3/4" = 1'-0"



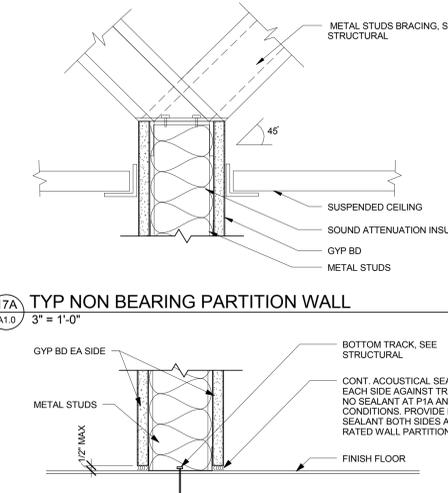
**13 - TYPICAL PARTIAL HEIGHT WALL**  
 1/2" = 1'-0"



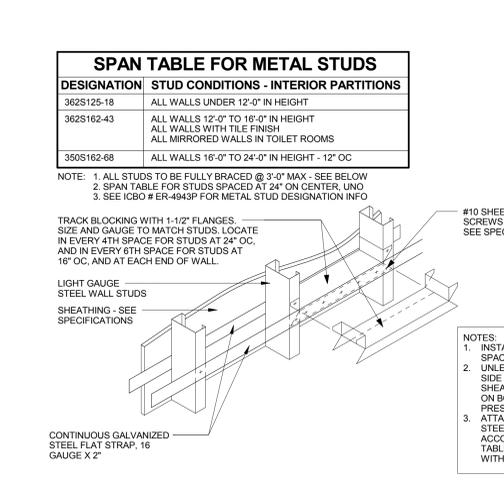
**14 - MASONRY WALL**  
 3" = 1'-0"



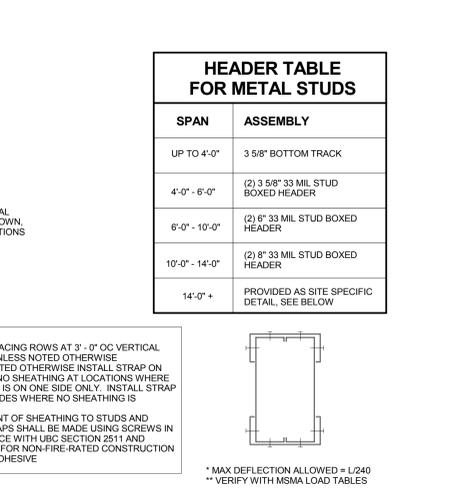
**16 - GYPSUM BOARD PARTION**  
 3" = 1'-0"



**17B - PARTITION BASE**  
 3" = 1'-0"



**18 - STUD WALL LATERAL BRACING**  
 3" = 1'-0"



**18 - STUD WALL LATERAL BRACING**  
 3" = 1'-0"

DESIGNATION	STUD CONDITIONS - INTERIOR PARTITIONS
362S125-18	ALL WALLS UNDER 12'-0" IN HEIGHT
362S162-43	ALL WALLS 12'-0" TO 16'-0" IN HEIGHT ALL WALLS WITH TILE FINISH ALL MIRRORED WALLS IN TOILET ROOMS
350S162-68	ALL WALLS 16'-0" TO 24'-0" IN HEIGHT - 12" OC

NOTE: 1. ALL STUDS TO BE FULLY BRACED @ 3'-0" MAX. SEE BELOW  
 2. SPAN TABLE FOR STUDS SPACED AT 24" ON CENTER, UNDO  
 3. SEE ICBO # ER-4943P FOR METAL STUD DESIGNATION INFO

TRACK BLOCKING WITH 1-1/2" FLANGES, SIZE AND GAUGE TO MATCH STUDS. LOCATE IN EVERY 4TH SPACE FOR STUDS AT 24" OC, AND IN EVERY 6TH SPACE FOR STUDS AT 16" OC, AND AT EACH END OF WALL.

LIGHT GAUGE STEEL WALL STUDS SHEATHING - SEE SPECIFICATIONS

#10 SHEET METAL SCREWS AS SHOWN, SEE SPECIFICATIONS

CONTINUOUS GALVANIZED STEEL FLAT STRAP, 16 GAUGE X 2"

NOTES:  
 1. INSTALL BRACING ROWS AT 3' - 0" VERTICAL SPACING UNLESS NOTED OTHERWISE  
 2. UNLESS NOTED OTHERWISE INSTALL STRAP ON SIDE WITH NO SHEATHING AT LOCATIONS WHERE SHEATHING IS ON ONE SIDE ONLY. INSTALL STRAP ON BOTH SIDES WHERE NO SHEATHING IS PRESENT  
 3. ATTACHMENT OF SHEATHING TO STUDS AND STEEL STRAPS SHALL BE MADE USING SCREWS IN ACCORDANCE WITH UBC SECTION 2511 AND TABLE 25-G FOR NON-FIRE-RATED CONSTRUCTION WITHOUT ADHESIVE

\* MAX DEFLECTION ALLOWED = L/240  
 \*\* VERIFY WITH MSMA LOAD TABLES

# TYPICAL NOTES

- PROVIDE FIRE RESISTIVE WALL CONSTRUCTION WHERE INDICATED. SEAL ALL PENETRATIONS WITH APPROVED FIRE SAFING ASSEMBLY. ALL RATED CONSTRUCTION ASSEMBLIES EXTEND FROM FLOOR STRUCTURE TO UNDERSIDE OF STRUCTURE AND DECKING ABOVE UNLESS OTHERWISE NOTED.
- WHERE TOP OF WALL MEETS UNDERSIDE OF ROOF DECK, PROVIDE DEFLECTION HEAD AS REQUIRED.
- CONTRACTOR TO PROVIDE ADEQUATE GYPSUM BOARD CONTROL JOINTS AS REQUIRED THROUGHOUT ENTIRE BUILDING, WHERE VISUALLY PROMINENT, COORDINATE EXACT LOCATIONS WITH THE A/E.
- ALL INTERIOR WALL ASSEMBLIES EXTEND TO 6" ABOVE CEILING, UNLESS NOTED OTHERWISE.
- PROVIDE WATER-TIGHT CAULKED JOINTS AT ALL BUILDING EXTERIOR LOCATIONS WHERE POSSIBLE WATER PENETRATION THROUGH JOINT MAY OCCUR.
- INTERIOR PARTITIONS ARE TYPE P1A UNLESS OTHERWISE NOTED. CONTINUOUS WALLS NOTED FOR WALL TYPES ARE INTENDED TO BE CONTINUOUS. ROOMS ARE TO RECEIVE THE SAME WALL TYPE UNLESS NOTED OTHERWISE.
- CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF 2X2 PORTION OF 2X4 SUSPENDED ACOUSTICAL TILE UNLESS OTHERWISE NOTED.
- FOR SEISMIC BRACING OF SUSPENDED CEILING AND INTERSTITIAL EQUIPMENT SEE A1.1
- COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING AND ADVISE A/E PROMPTLY OF CONFLICTS BETWEEN TRADES.
- SUSPENDED ACOUSTICAL TILE CEILING ARE TO BE CENTERED WITHIN THE SPACE UNLESS OTHERWISE NOTED.
- PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO, SPRINKLER HEADS, CONDUITS, ETC., OF SUFFICIENT SIZE TO ACCOMMODATE ONE (1) INCH OF LATERAL MOVEMENT IN EVERY DIRECTION OF ASSEMBLY. PENETRATING CEILING PLANE, PROVIDE EIGHT (8) 1/2" DIA. GALV. SCREWS TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
- FULLY CONCEAL SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES, WITH MFR POWDER COATED HEAD COVER PLATES FINISHED TO MATCH ADJACENT CEILING PAINT COLOR.
- PROVIDE MFR'S STANDARD SEISMIC JOINT FOR SUSPENDED ACOUSTICAL TILE. COORDINATE EXACT LOCATION WITH A/E IF NOT IDENTIFIED ON THE REFLECTED CEILING PLANS.
- INSTALL SEALANT JOINTS PER DETAIL 9A1.1 OR MFR'S RECOMMENDATIONS, WHICH EVER IS MORE STRICT.

# GENERAL NOTES

- THE DRAWINGS LOCATE PRODUCTS, SURFACES, AND MATERIALS AND THE NOTES ESSENTIALLY CONVEY DESIGN INTENT. THE PROJECT INTENT IS TO PROVIDE FOR A COMPLETE, WORKING SYSTEM. UPON COMPLETION, ALL UTILITIES SHOULD BE CONNECTED AND ALL PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHOULD BE WATER TIGHT.
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE LATEST ADOPTED BUILDING CODE EDITION, AND TO CONDITIONS AND SPECIFICATIONS OF ALL GOVERNING AUTHORITIES.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE A/E. ANY CORRECTION WORK REQUIRED AS A RESULT OF SUCH DISCREPANCIES SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR AND SUBCONTRACTORS SHALL CAREFULLY EXAMINE THE SITE AND THE CONSTRUCTION DOCUMENTS OF THE ENTIRE WORK. ERRORS AND OMISSIONS IN THE PLANS OR SPECIFICATIONS SHALL BE CALLED TO THE ATTENTION OF THE A/E.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL TRADE PERMITS AS WELL AS THE PLAN CHECK FEE IF IT HAS NOT PREVIOUSLY BEEN PAID FOR.
- ALL DEMOLISHED OR REMOVED EXISTING MATERIAL SHALL BE LEGALLY DISPOSED.
- EXISTING MATERIAL NOTED TO BE RETURNED TO THE OWNER SHALL BE REMOVED FROM THE SITE BY THE OWNER. CONTRACTOR SHALL COORDINATE WITH THE OWNER.
- THE CONTRACTOR SHALL COORDINATE THE PHASING OF THE WORK WITH THE OWNER AND A/E TO MEET THE OWNER'S SCHEDULE.
- CONTRACTOR SHALL REPAIR OR REPLACE EXISTING CONSTRUCTION DAMAGED AS A RESULT OF DEMOLITION AND CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL PROVIDE AND PAY FOR UTILITIES, DUMPSTER, TELEPHONE, TEMPORARY TOILET FACILITIES FOR SUBCONTRACTORS USE.
- DO NOT SCALE DRAWINGS. DIMENSIONS ARE TYPICALLY TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL KEEP THE AREA OF WORK (INTERIOR AND EXTERIOR) FREE OF GARBAGE AND DEBRIS ON A DAILY BASIS.
- IF NEIGHBORING PROPERTY OWNERS ARE DISTURBED BY NOISY CONSTRUCTION (I.E. JACKHAMMERING, CORE DRILLING, OR DEMOLITION, ETC.) OR ODDORS (I.E. PAINTING OR ADHESIVES, ETC.), SUCH ACTIVITY SHALL BE RE-SCHEDULED AFTER HOURS. OWNER SHALL PAY NO OVERTIME FOR SUCH AFTER-HOURS ACTIVITIES.
- NOTIFY OWNER IF SCHEDULED DEMOLITION WILL AFFECT ADJACENT SPACES.
- CONTRACTOR SHALL KEEP ROOFS FREE OF DEBRIS (I.E. NAILS, SCREWS) AT ALL TIMES AND SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIR OF ANY DAMAGED ROOF MEMBRANES OR SURFACES.
- CONTRACTOR TO PATCH ALL ROOF PENETRATIONS AND ANY DAMAGE CAUSED TO ROOF AS A RESULT OF NEW WORK, TO ENSURE WATER TIGHT SEAL.
- CUTTING AND DRILLING OF STRUCTURAL MEMBERS NOT DETAILED REQUIRES THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER OF RECORD.
- OWNER SHALL NOT BE RESPONSIBLE FOR TOOLS OR MATERIAL GOODS STOLEN OR DAMAGED ON SITE.
- CONTRACTOR SHALL WARRANT ALL PARTS, LABOR, EQUIPMENT, AND MATERIAL PROVIDED UNDER THIS CONTRACT FOR A PERIOD OF ONE (1) YEAR (OR GREATER IF PROVIDED BY SUB-CONTRACTOR), UPON COMPLETION OF CONSTRUCTION.
- ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE A/E FOR PROCESSING AND REVIEW PRIOR TO IMPLEMENTATION.
- OWNER IS NOT RESPONSIBLE WHEN CONTRACTOR MUST RE-DRILL TO LOCATE UTILITY. CONTRACTOR SHALL REPAIR ALL SUCH ERRORS.
- ALL ADDITIONAL DRAWINGS AND SPECIFICATIONS REQUIRED FOR PERMITS TO BE SUPPLIED BY CONTRACTOR AND SUBCONTRACTOR(S).
- ALL MATERIALS AND PRODUCTS USED ON THE JOB SITE SHALL BE "ENVIRONMENTALLY SAFE", LOW ODOR, AND NON-FLAMMABLE. USE OF ANY PRODUCT NOT COMPLYING WITH THE ABOVE CRITERIA SHALL BE COORDINATED WITH THE A/E AND OWNER.
- ALL DEMOLITION WORK TO CONFORM TO CURRENT OSHA STANDARDS. PROVIDE ADEQUATE BRACINGS ON EXISTING CEILING FRAMING SYSTEM PRIOR TO DEMOLITION AS REQUIRED.
- COMPLY WITH SEALANT AND CAULKING MANUFACTURERS PRINTED INSTRUCTIONS.
- PROVIDE NONABSORPTIVE CLOSED CELL POLYETHYLENE OR OPEN CELL POLYURETHANE COMPRESSIBLE ROD STOCK, COMPATIBLE WITH SEALANT, WHICH WILL NOT BOND TO SEALANT.
- DETAIL REFERENCES SHOULD BE APPLIED TO ALL INSTANCES WHERE THE SAME CONDITIONS OCCUR.
- CONTRACTOR SHALL COORDINATE DELIVERY AND INSTALLATION OF OWNER FURNISHED EQUIPMENT WITH THE OWNER.
- CONTRACTOR TO COORDINATE WALL MOUNTED FURNITURE, INCLUDING BUT NOT LIMITED TO, PROJECTION SCREENS, WHITE BOARDS, TELEVISIONS, ETC. AND PROVIDE NECESSARY BLOCKING AS REQUIRED.
- WRAP ALL EXPOSED WASTE AND HOT WATER SUPPLY LINES WITH INSULATIVE COVER.
- THIS PROJECT IS SUBJECT TO PREVAILING WAGE.
- REFERENCE BUILDING ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION.
- REFERENCE FURNITURE AND EQUIPMENT PLANS FOR ADDL. INFORMATION.
- REFERENCE DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADDL. INFORMATION.
- ELEVATION 217.00 = FINISH FLOOR ELEVATION INDICATED IN THE CIVIL DRAWINGS.
- FINISH GRADE VARIES AT BUILDING PERIMETER CONDITIONS, REFERENCE CIVIL DRAWINGS FOR ADDL. INFORMATION.
- REFERENCE TYPICAL DETAILS FOR WALL TYPE DEFINITION. SEE FLOOR PLANS FOR OCCURRENCE.
- REFERENCE ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE.
- DIMENSIONS MARKED "CLR" (CLEAR) ARE FROM FINISH SURFACE TO FINISH SURFACE.
- DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH.
- CENTER FLOORING TRANSITIONS AT CENTER OF DOORS, UNLESS OTHERWISE NOTED.
- INSTALL CARPET INSETS AT ALL ELECTRICAL FLOOR BOX LOCATIONS, CARPET TO MATCH ADJACENT FLOORING MATERIAL.
- WHERE FURNITURE AND EQUIPMENT IS INDICATED IT IS PROVIDED FOR REFERENCE ONLY. COORDINATE INSTALLATION AND EXACT PLACEMENT WITH VENDOR AND OWNER.
- REFERENCE STRUCTURAL DRAWINGS FOR STUD WALL LATERAL BRACING.

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 SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
 708 SW 3RD AVE, SUITE 400  
 PORTLAND, OR, 97204

Project

**ALBANY POLICE DEPARTMENT**  
 1117 SE JACKSON ST.  
 ALBANY, OR, 97322

Revision Schedule	
Revision Delta	Issue Date

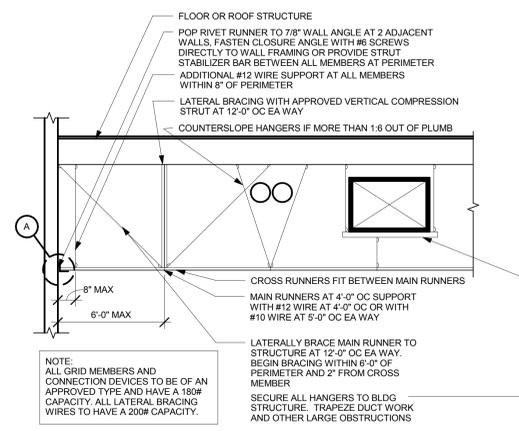
SHEET TITLE:  
**TYPICAL DETAILS**

DRAWN BY: AAK  
 CHECKED BY: CPC

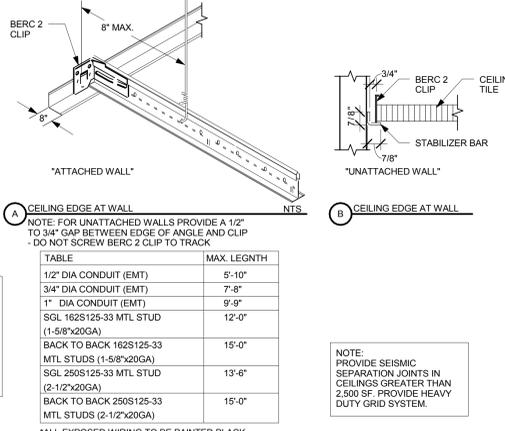
SHEET

**A1.0**

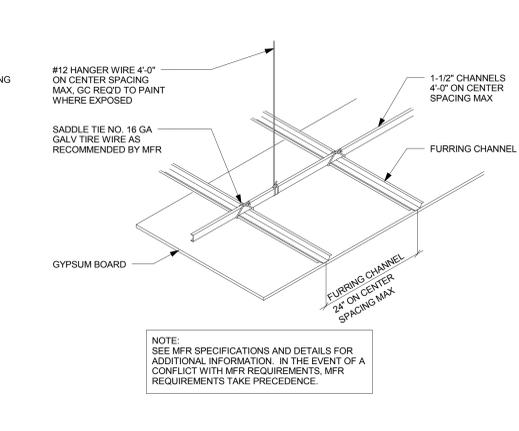
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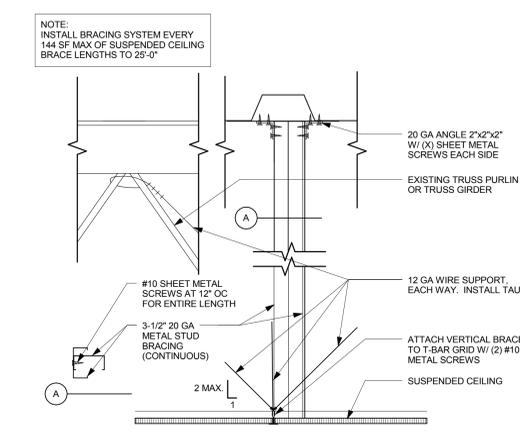
**1 SUSPENDED CEILING BRACE**  
12" = 1'-0"



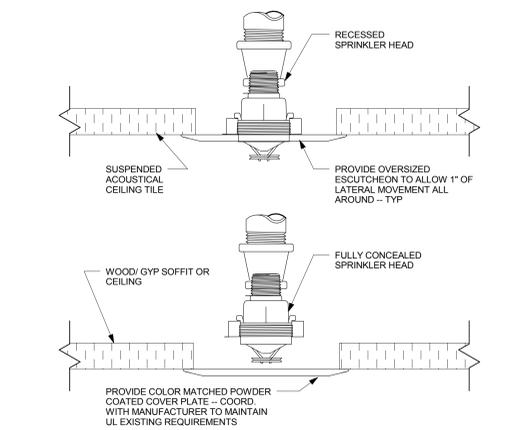
**3 SUSPENDED CEILING**  
3/4" = 1'-0"



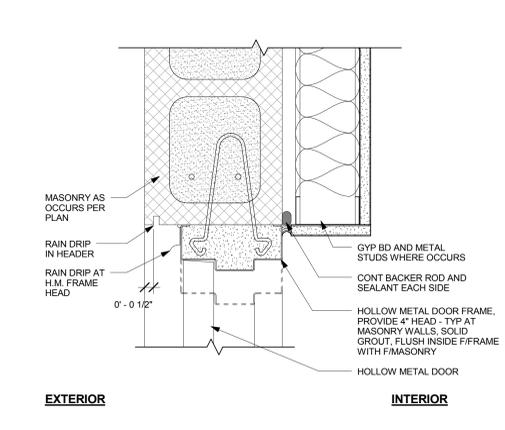
**4 SUSPENDED CEILING BRACE (CONT.)**  
1 1/2" = 1'-0"



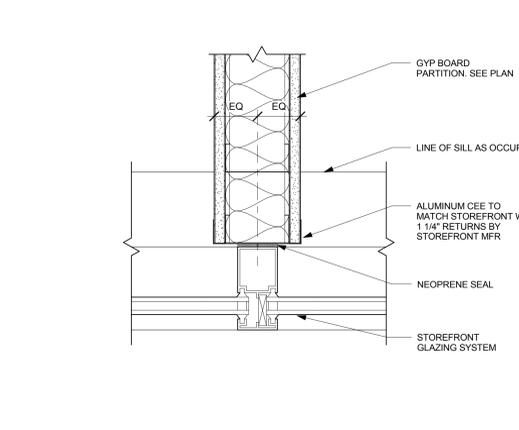
**5 WALL TO STRUCTURE - PARALLEL JOISTS**  
3" = 1'-0"



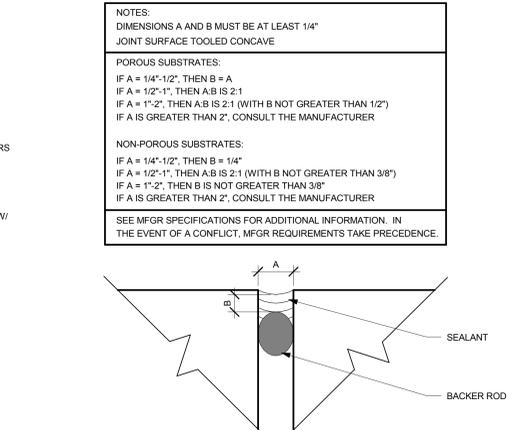
**6 FIRE SPRINKLER HEAD CONDITIONS**  
6" = 1'-0"



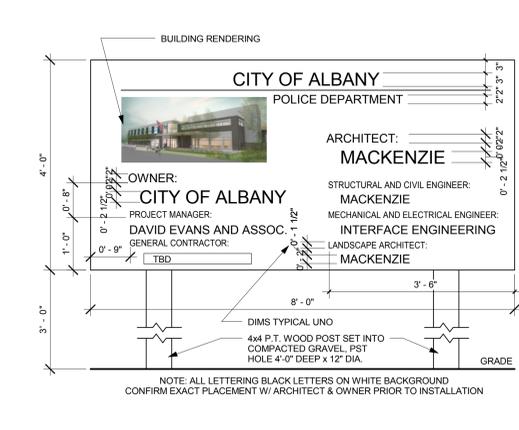
**7 DOOR HEAD AT MASONRY (JAMB SIM)**  
3" = 1'-0"



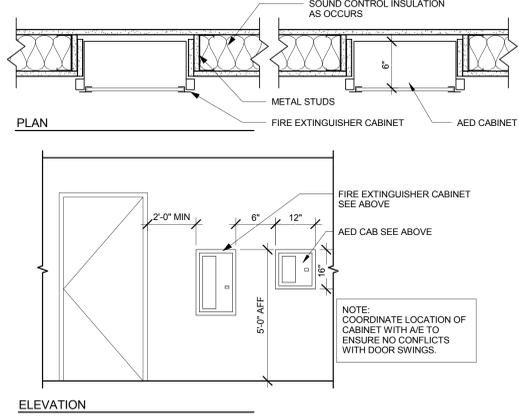
**8 WALL AT MULLION**  
3" = 1'-0"



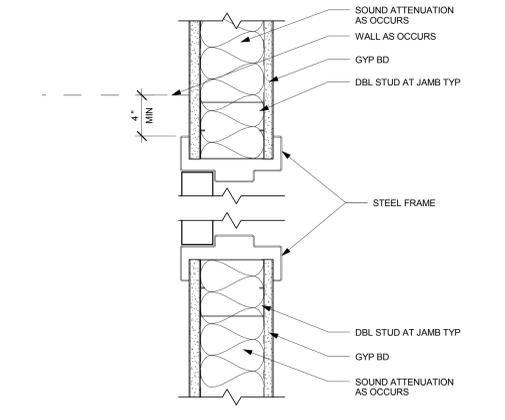
**9 SEALANT**  
12" = 1'-0"



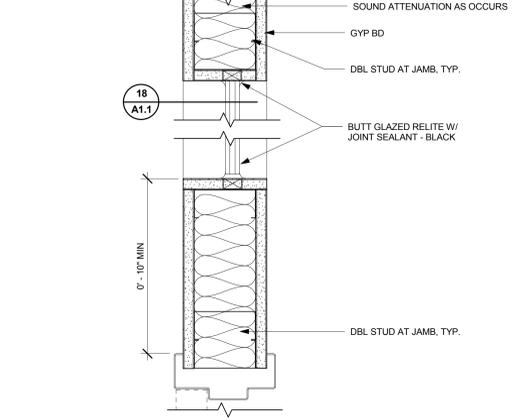
**10 CONSTRUCTION SIGN DETAIL**  
3/4" = 1'-0"



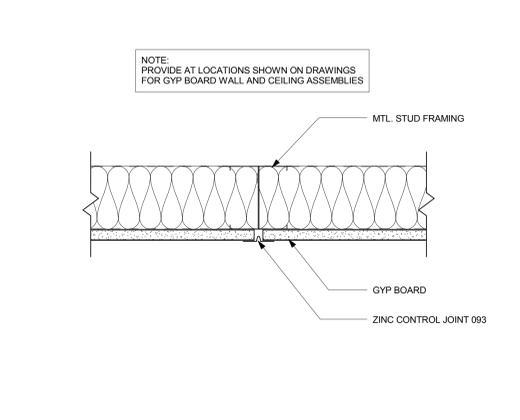
**11 FIRE EXTINGUISHER**  
1 1/2" = 1'-0"



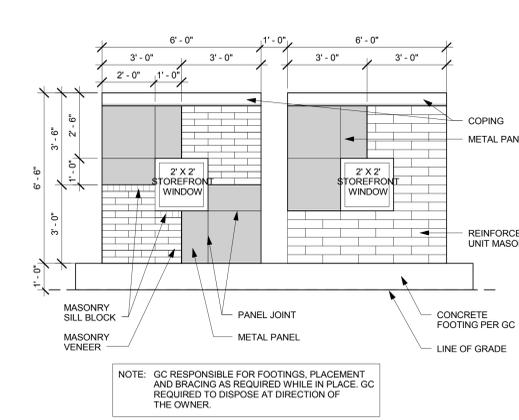
**12 TYPICAL DOOR JAMB DETAIL (HEAD SIM)**  
3" = 1'-0"



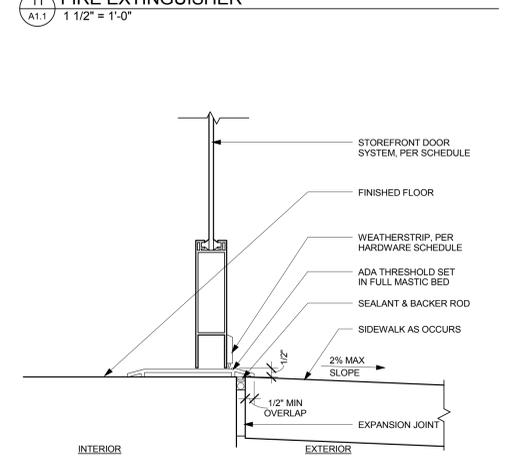
**13 TYPICAL INTERIOR RELITE**  
3" = 1'-0"



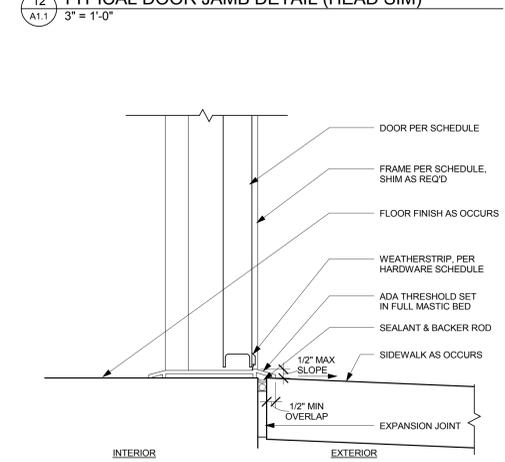
**14 GYPSUM BOARD CONTROL JOINT**  
3" = 1'-0"



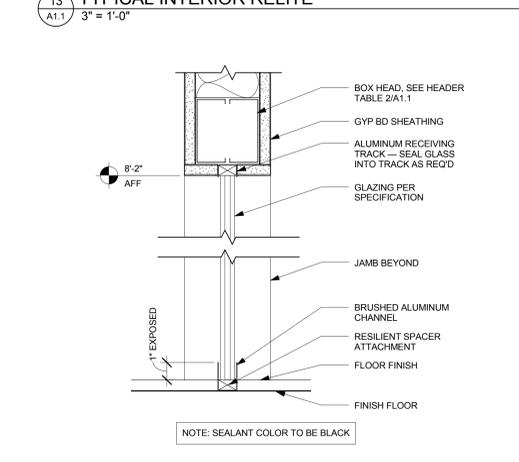
**15 WALL MOCK-UP**  
3/8" = 1'-0"



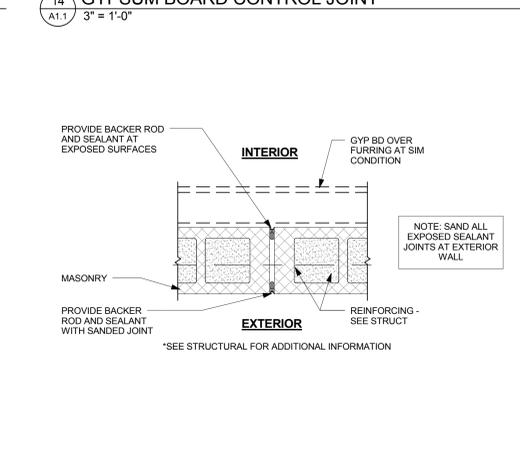
**16 TYPICAL STOREFRONT DOOR SILL**  
3" = 1'-0"



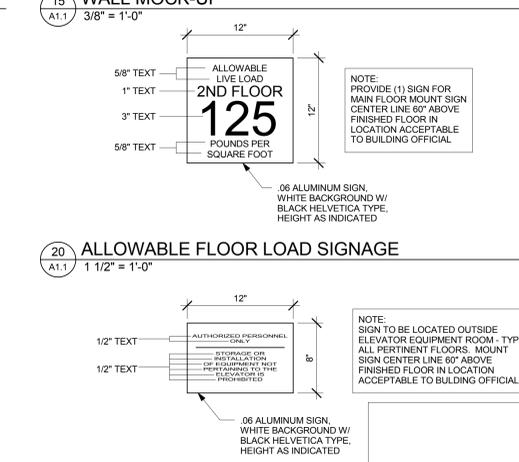
**17 HOLLOW METAL DOOR SILL**  
3" = 1'-0"



**18 INTERIOR RELITE - SILL/HEAD**  
3" = 1'-0"



**19 MASONRY CONTROL JOINT - TYPICAL**  
1 1/2" = 1'-0"



**20 ALLOWABLE FLOOR LOAD SIGNAGE**  
1 1/2" = 1'-0"

Project: CITY OF ALBANY POLICE DEPARTMENT

ARCHITECT: MACKENZIE

STRUCTURAL AND CIVIL ENGINEER: MACKENZIE

MECHANICAL AND ELECTRICAL ENGINEER: INTERFACE ENGINEERING

LANDSCAPE ARCHITECT: MACKENZIE

OWNER: CITY OF ALBANY

PROJECT MANAGER: DAVID EVANS AND ASSOC.

GENERAL CONTRACTOR: TBD

REVISION SCHEDULE

Revision	Delta	Issue Date

SHEET TITLE: **TYPICAL DETAILS**

DRAWN BY: AAK

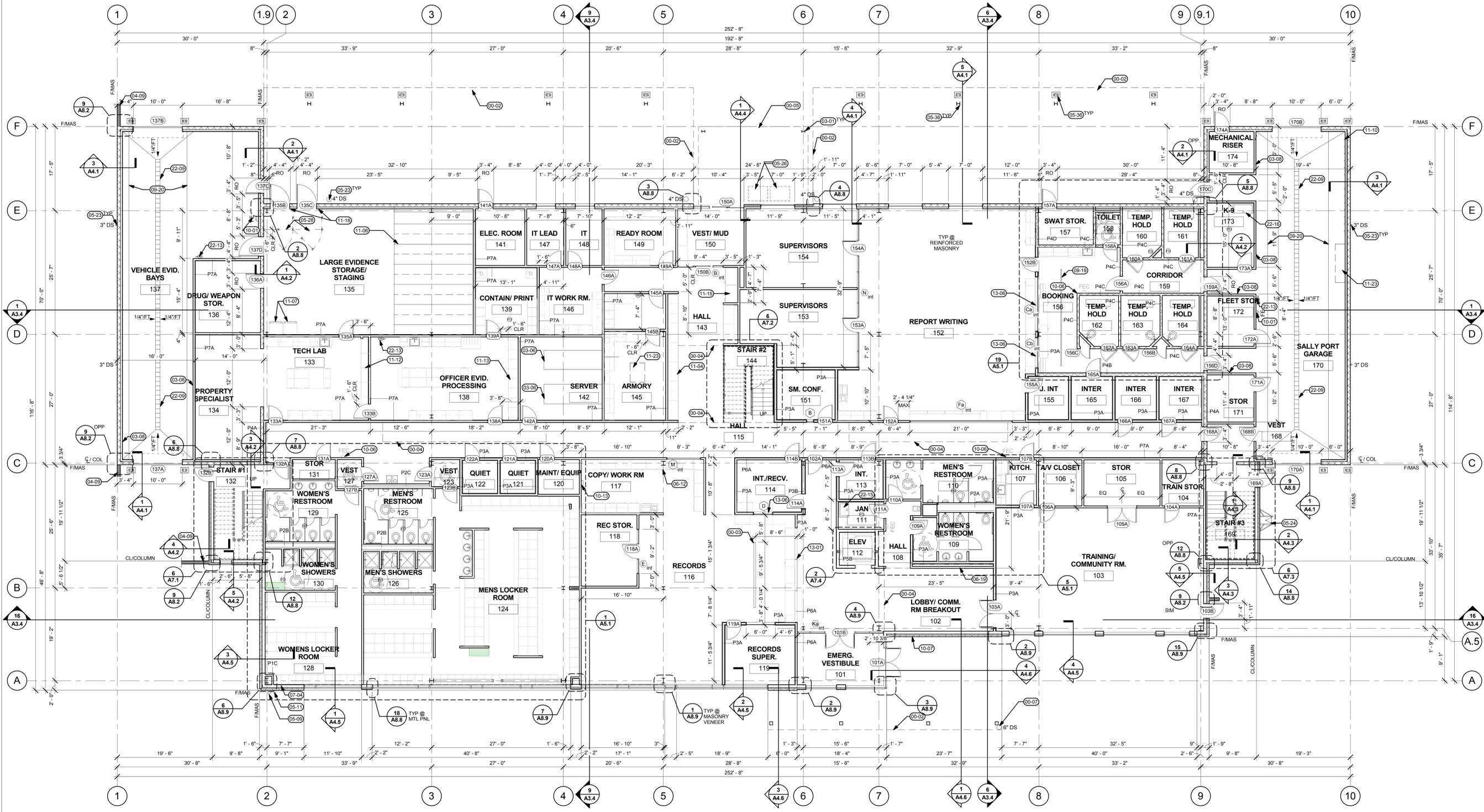
CHECKED BY: CPC

SHEET

**A1.1**

JOB NO. 2140284.02

90% CONSTRUCTION DOCUMENT SET: 01/08/16



**1 FIRST FLOOR PLAN**  
1/8" = 1'-0"

**LEGEND**

- KEYNOTE
- GRIDLINE
- EXTERIOR WALL - STRUCTURAL MASONRY
- EXTERIOR WALL - BRICK VENEER AND METAL STUDS
- EXTERIOR WALL - METAL PANEL AND METAL STUD
- INTERIOR PARTITION, SEE SHEET A1.0
- 1-HR RATED INTERIOR PARTITION
- INTERIOR GLAZING
- DOWNSPOUT SIZE
- ADA ACCESSIBLE TURNING RADIUS AND CLEAR FLOOR SPACE

**GENERAL NOTES**

- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
- B. ALL INTERIOR WALLS EXTEND TO UNDERSIDE OF STRUCTURE U.N.O.
- C. DIMENSIONS REFLECT FACE OF FINISH UNLESS NOTED OTHERWISE
- D. WALL THICKNESSES ARE ACTUAL UNLESS NOTED OTHERWISE
- E. SEE SHEET A1.0 FOR WALL TYPE DEFINITION AND STANDARD DETAILS. WALLS ARE P.T.A. U.N.O.
- F. SEE FINISH PLAN FOR CASEWORK AND FINISH RELATED INFORMATION
- G. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION PRIOR TO START OF WORK. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS
- H. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALE
- I. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB, TYPICAL
- J. CONTRACTOR TO PROVIDE ADEQUATE GYPSUM BOARD CONTROL JOINTS AS REQUIRED THROUGHOUT ENTIRE BUILDING, INTERIOR AND EXTERIOR
- K. PROVIDE BLOCKING AS REQUIRED ADJACENT TO FIRE EXTINGUISHERS FOR OWNER INSTALLED AED STATIONS
- L. REFERENCE DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADD'L INFORMATION
- M. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN THE CIVIL DRAWINGS. FINISH GRADE VARIES AT BUILDING PERIMETER CONDITIONS, REFERENCE CIVIL DRAWINGS FOR ADD'L INFORMATION
- N. DIMENSIONS MARKED "CLR" (CLEAR) ARE FROM FINISH SURFACE TO FINISH SURFACE
- O. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH
- P. WHERE FURNITURE AND EQUIPMENT IS INDICATED IT IS PROVIDED FOR REFERENCE ONLY. COORDINATE INSTALLATION AND EXACT PLACEMENT WITH VENDOR AND OWNER PRIOR TO INSTALLATION. SEE STRUC. AND EQUIP. PLANS FOR ADD'L INFORMATION

**KEYNOTES**

- 00-02 LINE OF CANOPY ABOVE -- SEE ROOF PLANS
- 00-03 PARTIAL HEIGHT WALL -- SEE DETAIL 13A1.0
- 00-04 LINE OF FLOOR ABOVE
- 00-05 LINE OF PATIO ABOVE
- 00-07 COORDINATE W/ ART INSTALLATION, AS REQUIRED BY OWNER
- 03-01 CONCRETE PIER -- SEE DETAIL 14A8.2 AND STRUCTURAL
- 03-06 4" CONCRETE HOUSEKEEPING PAD, COORDINATE LOCATION WITH SERVER RACKS
- 03-08 6" CONCRETE CURB, TYPICAL AT GYP WALLS IN SALLYPORT AND VEHICLE EVIDENCE BAY, SEE DETAILS 11 & 16A5.8
- 04-09 MASONRY SECURITY WALL -- SEE DETAIL 5A8.2 FOR COURSING PATTERN
- 05-09 METAL SCUPPER, SEE DETAILS 16.17, 18A.2 -- SEE PLUMBING
- 05-11 OVERFLOW SCUPPER -- SEE PLUMBING
- 05-23 STEEL DOWNSPOUT -- COORDINATE CONNECTION WITH PLUMBING, LANDSCAPE, AND CIVIL -- SEE DETAIL XXA8.2
- 05-24 RADIO ANTENNA SUPPORT BRACKETS - OFOI - ENGINEERING BY OTHERS
- 05-26 3'-0" X 4'-0" CHAIN LINK K9 KENNELS
- 05-28 CHAINLINK SECURITY WALL TO STRUCTURE W/ 4'X8' SWING GATE
- 05-36 STEEL CHANNEL BOLLARD, SEE DETAIL 19A8.2
- 06-12 MAILBOX, SEE CASEWORK ELEVATION
- 06-19 RECESSED BUILT-IN DISPLAY CABINET W/ SLIDING GLASS DOORS AND GLASS SHELVES
- 07-04 INTERNAL ROOF DRAIN ASSEMBLY W/ OVERFLOW DRAIN, COORDINATE W/ PLUMBING -- SEE DETAIL 7 & 9A8.1
- 09-19 2" WIDE X 20' LONG WHITE EPOXY PAINT LINE ON FLOOR, CENTER IN ROOM
- 09-20 2" WIDE YELLOW EPOXY PAINT GUIDE ON FLOOR
- 10-01 FIRE EXTINGUISHER
- 10-06 RECESSED FIRE EXTINGUISHER CABINET -- SEE 11A1.1
- 10-07 RECESSED FIRE LOCK BOX -- CONTRACTOR TO COORDINATE HEIGHT W/ FIRE MARSHALL PRIOR TO INSTALLATION

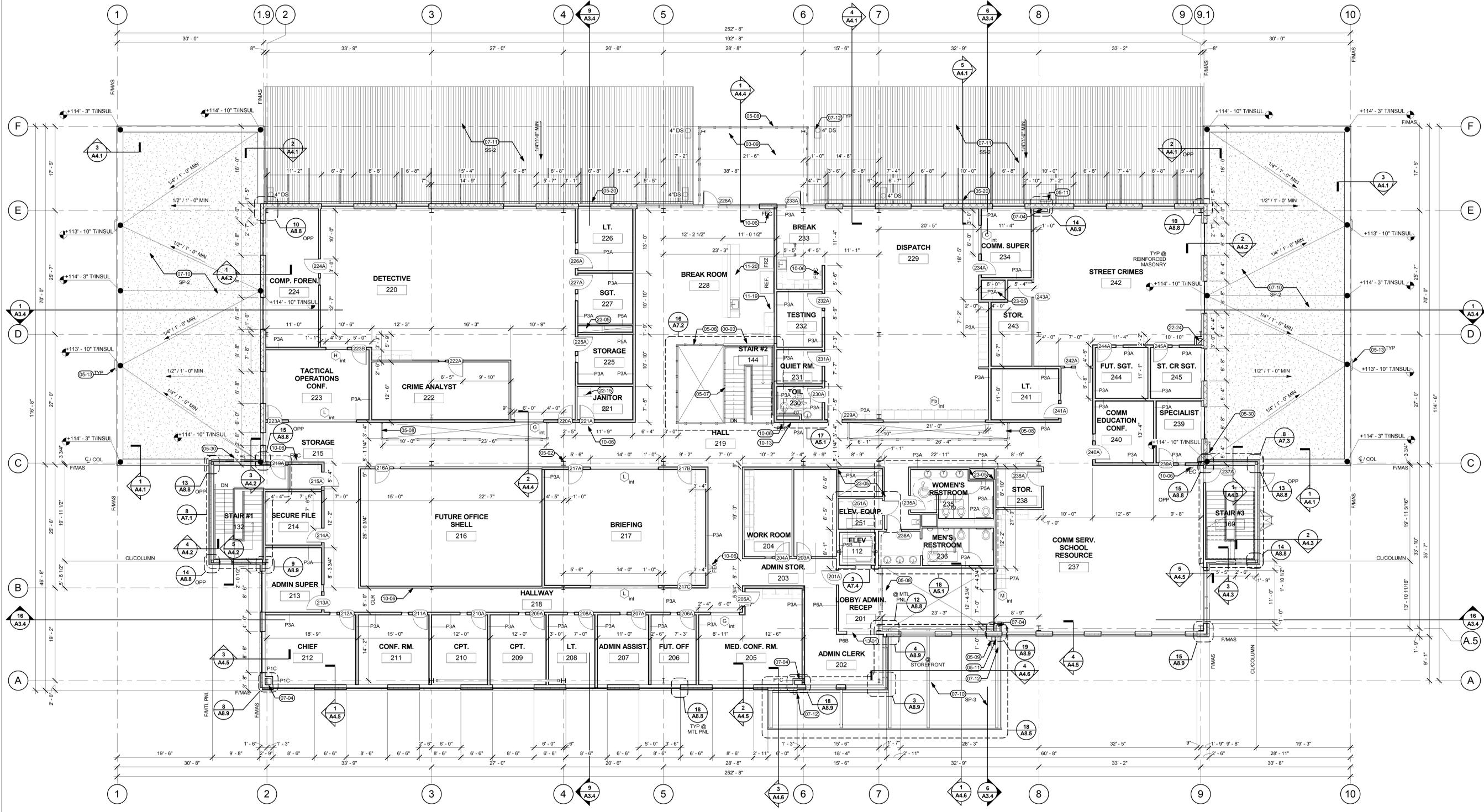
- 10-13 RECESSED CABINET FOR AED, OFOI, SEE DETAIL 11A1.1
- 11-04 2'X2' DUTY BAG LOCKERS
- 11-06 COMPACT SHELVING -- CONTRACTOR TO COORDINATE W/ VENDOR AND PROVIDE 1 1/2" RECESSED SLAB FOR ROLLING SHELVING W/ 1/4" MAXIMUM CUMULATIVE SLOPE OVER 10'-0". WHERE SET IN CONCRETE, CONTRACTOR TO VERIFY RECESSED SLAB DIMENSIONS W/ VENDOR PRIOR TO CONSTRUCTION. FILL RECESSED BLOCKOUT W/ NON-SHRINK GROUT AND COORDINATE WITH VENDOR FOR FLUSH TRACK INSTALLATION. CONTRACTOR RESPONSIBLE FOR CORRECTING ANY TRACK ELEVATIONS EXCEEDING 1/8" ABOVE ADJACENT FINISH FLOOR AS REQUIRED BY ARCHITECT. SEE DET. 17A5.8 FOR RECESSED RAIL BLOCKOUT.
- 11-07 REFRIGERATOR, OFOI
- 11-10 16X WALL MOUNTED BIKE RACKS - COORDINATE WITH VENDOR
- 11-12 EVIDENCE LOCKERS, INCLUDING DRYING AND REFRIGERATOR LOCKERS -- COORDINATE ROUGH OPENINGS WITH VENDOR AS REQ'D - COORDINATE ELECTRICAL AND PLUMBING W/ VENDOR
- 11-13 TEMPORARY EVIDENCE STORAGE LOCKERS, COORDINATE INSTALL W/ VENDOR
- 11-15 EQUIPMENT VENDING MACHINE, OFOI
- 11-18 PROVIDE KEY HOOK, ADJACENT TO DOOR
- 11-23 WORK BENCH, OFOI
- 13-01 ARMORTEX BULLET RESISTANT Baffle DESIGN TRANSACTION BARRIER
- 13-06 SHATTER PROOF GLAZING
- 22-09 TRENCH DRAIN -- SEE PLUMBING AND STRUCT
- 22-13 EYE-WASH STATION -- SEE PLUMBING
- 22-15 FLOOR MOP SINK W/ FRP BACK SPLASH TO 4'-0" AFF @ ALL WALLS -- SEE PLUMBING
- 22-16 DOG WASH -- SEE PLUMBING

**SHEET TITLE:**  
**FIRST FLOOR PLAN**

DRAWN BY: CRR  
CHECKED BY: CPC  
SHEET

**A2.1**

JOB NO. 2140284.02



**1 SECOND FLOOR PLAN**  
A2.2 1/8" = 1'-0"

**LEGEND**

- KEYNOTE
- GRIDLINE
- EXTERIOR WALL - STRUCTURAL MASONRY
- EXTERIOR WALL - BRICK VENEER AND METAL STUDS
- EXTERIOR WALL - METAL PANEL AND METAL STUD
- INTERIOR PARTITION, SEE SHEET A1.0
- 1-HR RATED INTERIOR PARTITION
- INTERIOR GLAZING
- DOWNSPOUT SIZE
- ADA ACCESSIBLE TURNING RADIUS AND CLEAR FLOOR SPACE

**ROOF LEGEND**

- ROOF DRAIN - SEE #A8.1
- RBE INDICATES ROOF BASE ELEVATION - SEE DETAIL 1/A8.1 FOR ROOF ASSEMBLIES
- SLOPE INDICATES DIRECTION OF SLOPE, PROVIDE MINIMUM 1/4" PER FOOT
- DOWNSPOUT SIZE
- SINGLE PLY ROOFING SYSTEM, TYPICAL - SEE 1/A8.1
- SINGLE PLY ROOFING SYSTEM W/ DECOR PROFILE - SEE 1/A8.1
- PV MODULES, SEE ELECTRICAL
- BUILT-UP TAPERED INSULATION CRICKET - AS REQUIRED FOR MIN 1/4" PER FOOT SLOPE

**GENERAL NOTES**

- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
- B. SEE FURNITURE AND EQUIPMENT PLANS FOR ADDITIONAL INFORMATION
- C. DIMENSIONS REFLECT FACE OF FINISH UNLESS NOTED OTHERWISE
- D. WALL THICKNESSES ARE ACTUAL UNLESS NOTED OTHERWISE
- E. SEE SHEET A1.0 FOR WALL TYPE DEFINITION AND STANDARD DETAILS, WALLS ARE P3/A UN.O.
- G. SEE FINISH PLAN FOR CASEWORK AND FINISH RELATED INFORMATION
- H. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION PRIOR TO START OF WORK, NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION, DO NOT SCALE DRAWINGS
- I. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALE
- J. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB, TYPICAL
- K. CONTRACTOR TO PROVIDE ADEQUATE GYPSUM BOARD CONTROL JOINTS AS REQUIRED THROUGHOUT ENTIRE BUILDING, INTERIOR AND EXTERIOR
- L. PROVIDE BLOCKING AS REQUIRED ADJACENT TO FIRE EXTINGUISHERS FOR OWNER INSTALLED AED STATIONS
- O. REFERENCE DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADD'L INFORMATION
- P. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN THE CIVIL DRAWINGS. FINISH GRADE VARIES AT BUILDING PERIMETER CONDITIONS, REFERENCE CIVIL DRAWINGS FOR ADD'L INFORMATION
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- U. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH
- V. WHERE FURNITURE AND EQUIPMENT IS INDICATED IT IS PROVIDED FOR REFERENCE ONLY. COORDINATE INSTALLATION AND EXACT PLACEMENT WITH VENDOR AND OWNER PRIOR TO INSTALLATION.

**KEYNOTES**

- 00-03 PARTIAL HEIGHT WALL - SEE DETAIL 13/A1.0
- 03-09 COMPOSITE CONCRETE DECK - SEE STRUCTURAL
- 05-02 STEEL JOIST FRAMING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
- 05-07 VVA CUBE HANDRAIL/GUARDRAIL - SEE DETAIL 10/A7.5
- 05-08 VVA CUBE GUARDRAIL - SURFACE MOUNTED, SEE DETAIL 5/A7.5
- 05-09 METAL SCUPPER, SEE DETAILS 16.17.18/A8.2 - SEE PLUMBING
- 05-11 OVERFLOW SCUPPER - SEE PLUMBING
- 05-13 STEEL COLLECTOR BOX, TIE TO DOWNSPOUT - SEE DETAIL XXXX
- 05-20 6" INTEGRAL GALVANIZED STEEL GUTTER W/ MIN. 1/8 PER FOOT SLOPE. COORDINATE CONNECTION W/ PLUMBING AND CIVIL
- 05-30 ROOF ACCESS LADDER, SEE DETAIL 11 & 12/A8.2
- 07-04 INTERNAL ROOF DRAIN ASSEMBLY W/ OVERFLOW DRAIN, COORDINATE W/ PLUMBING - SEE DETAIL 7 & 9/A8.1
- 07-10 SINGLE PLY ROOFING SYSTEM - SEE DETAIL 1/A8.1
- 07-11 SINGLE PLY W/ DECOR PROFILE ROOF ASSEMBLY @ 18° OC - SEE DETAIL 1/A8.1
- 07-12 SPLASH BLOCK
- 10-06 RECESSED FIRE EXTINGUISHER CABINET - SEE 11/A1.1
- 10-13 RECESSED CABINET FOR AED, OFOI, SEE DETAIL 11/A1.1
- 11-19 OVEN, COOKTOP, AND RANGE HOOD, OFCI - SEE MECHANICAL
- 11-20 DISHWASHER, OFCI
- 13-01 ARMORTEX BULLET RESISTANT BAFFLE DESIGN TRANSACTION BARRIER WITH LEVEL 3 LAMINATED POLYCARBONATE
- 22-15 FLOOR MOP SINK W/ FRP BACK SPLASH TO 4'-0 AFF @ ALL WALLS - SEE PLUMBING
- 22-24 FIRE RISER - SEE PLUMBING
- 23-05 MECHANICAL SHAFT - SEE MECHANICAL

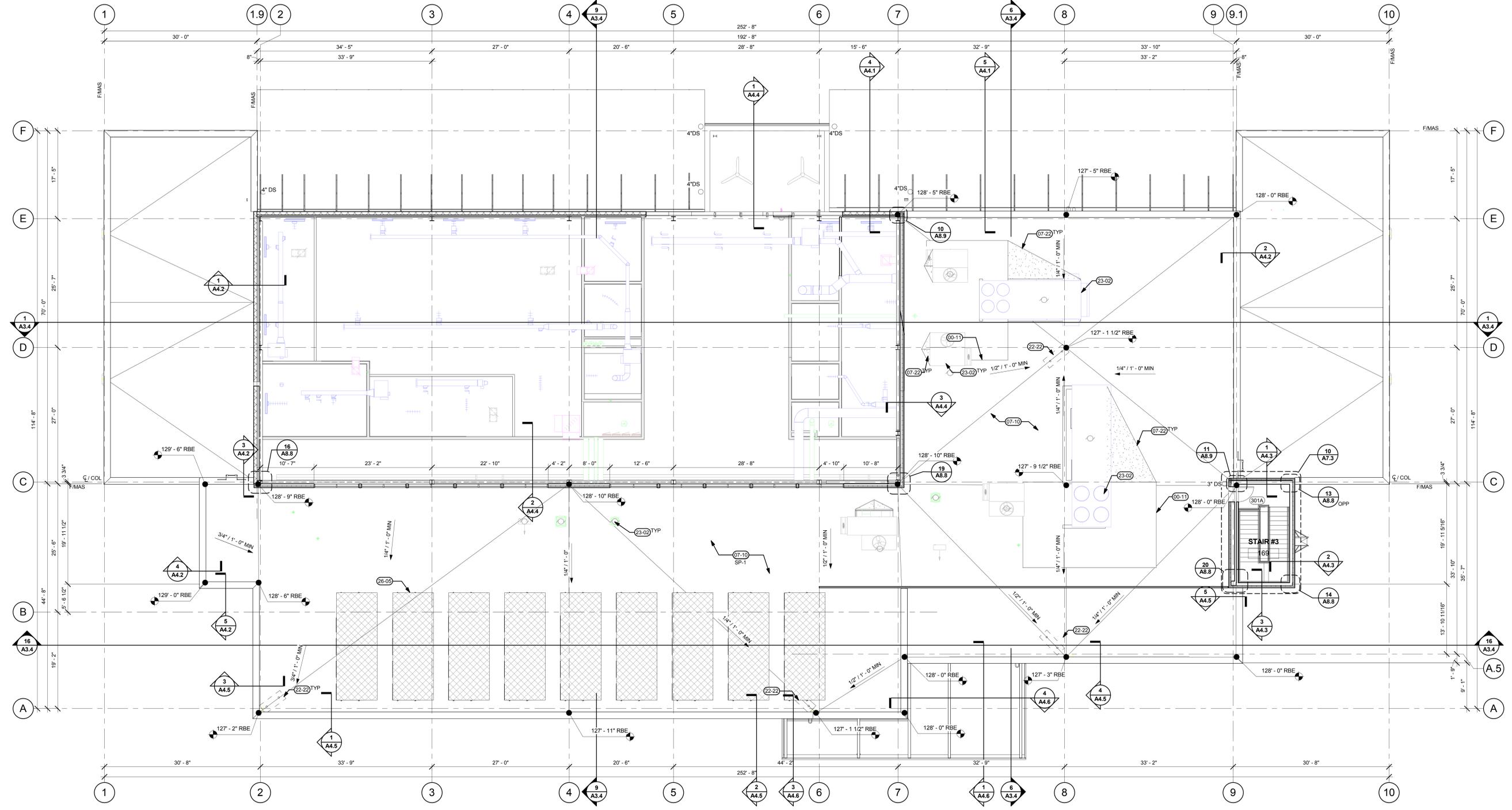
SHEET TITLE:  
**SECOND FLOOR PLAN**

DRAWN BY: CRR  
CHECKED BY: CPC

SHEET

**A2.2**

JOB NO. 2140284.02



**1 ROOF PLAN**  
A2.3  
1/8" = 1'-0"

**ROOF LEGEND**

	ROOF DRAIN -- SEE 9/A8.1
	INDICATES ROOF BASE ELEVATION - SEE DETAIL 1/A8.1 FOR ROOF ASSEMBLIES
	INDICATES DIRECTION OF SLOPE. PROVIDE MINIMUM 1/4" PER FOOT
	DOWNSPOUT SIZE
	SINGLE PLY ROOFING SYSTEM, TYPICAL -- SEE 1/A8.1
	SINGLE PLY ROOFING SYSTEM W/ DECOR PROFILE -- SEE 1/A8.1
	PV MODULES, SEE ELECTRICAL
	BUILT-UP TAPERED INSULATION CRICKETS -- AS REQUIRED FOR MIN 1/4" PER FOOT SLOPE

**GENERAL NOTES**

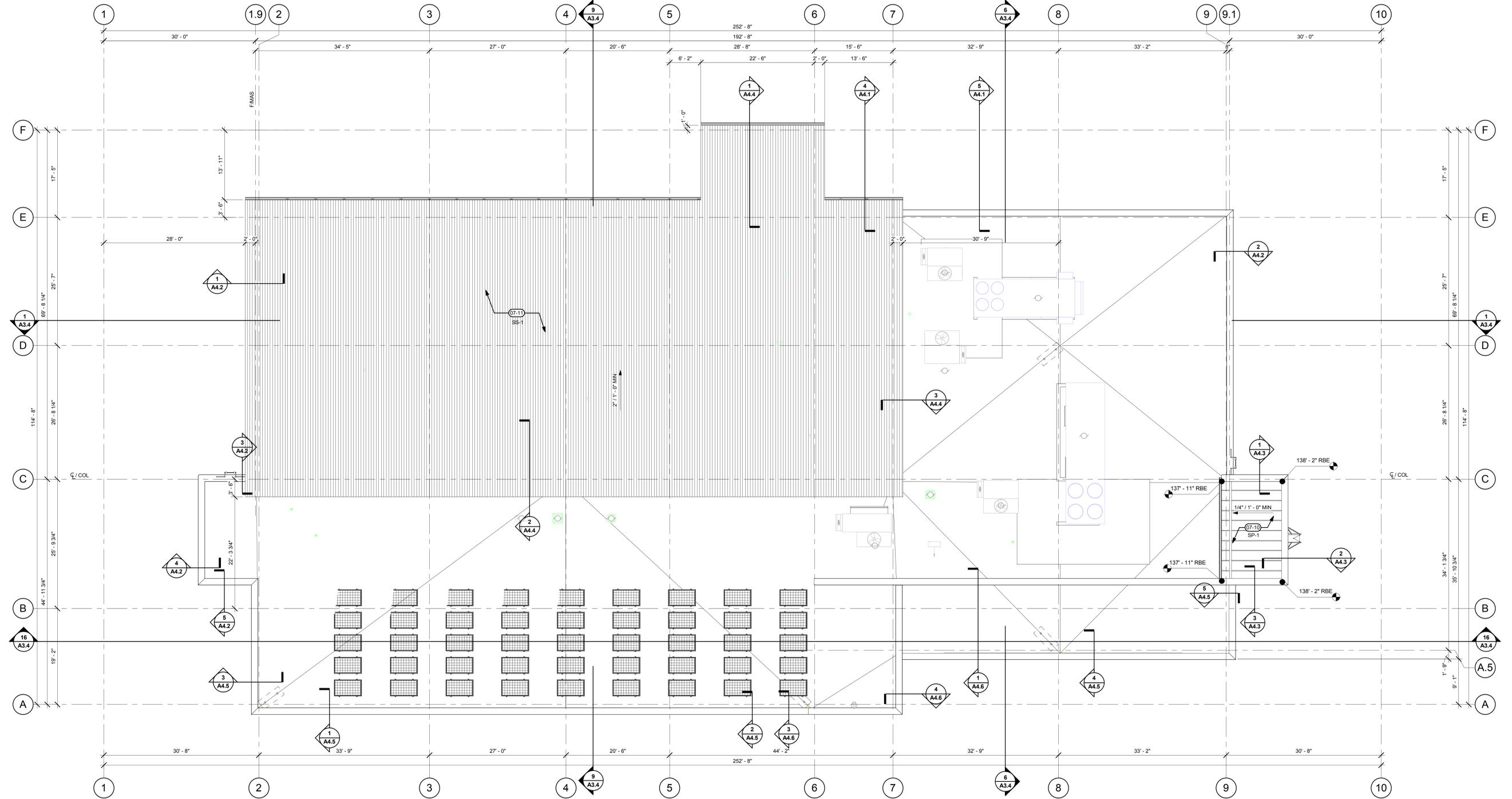
A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION  
 B. SEE FURNITURE AND EQUIPMENT PLANS FOR ADDITIONAL INFORMATION  
 C. DIMENSIONS REFLECT FACE OF FINISH UNLESS NOTED OTHERWISE  
 D. WALL THICKNESSES ARE ACTUAL UNLESS NOTED OTHERWISE  
 E. SEE SHEET A1.1 FOR WALL TYPE DEFINITION AND STANDARD DETAILS. WALLS ARE P1A.U.N.O.  
 F. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS  
 G. SEE DETAIL 10/A8.1 FOR ELECTRICAL CONDUIT PENETRATIONS  
 H. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION PRIOR TO START OF WORK. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS  
 J. SEE DETAILS 2 & 3/A8.1 FOR PIPE PENETRATIONS  
 K. SEE DETAILS 4 & 5/A8.1 FOR MECHANICAL UNIT CURBS

**KEYNOTES**

00-11	LINE OF SOUND ATTENUATION SLAB. PROVIDE CRICKETS AS REQUIRED TO MAINTAIN 1/4 PER FOOT MIN SLOPE -- SEE DETAIL 15/A8.1 AND STRUCTURAL
07-10	SINGLE PLY ROOFING SYSTEM -- SEE DETAIL 1/A8.1
07-11	SINGLE PLY W/DECOR PROFILE ROOF ASSEMBLY @ 18" OC -- SEE DETAIL 1/A8.1
07-22	BUILT-UP CRICKET AS REQUIRED FOR MIN. 1/4" PER FOOT SLOPE
22-22	INTERNAL ROOF DRAIN ASSEMBLY W/ OVERFLOW DEVICE -- SEE PLUMBING
23-02	ROOF TOP MECHANICAL UNIT -- SEE MECHANICAL
26-05	PHOTOVOLTAIC PANELS -- SEE ELECTRICAL AND STRUCTURAL



Revision Schedule	
Revision Delta	Issue Date

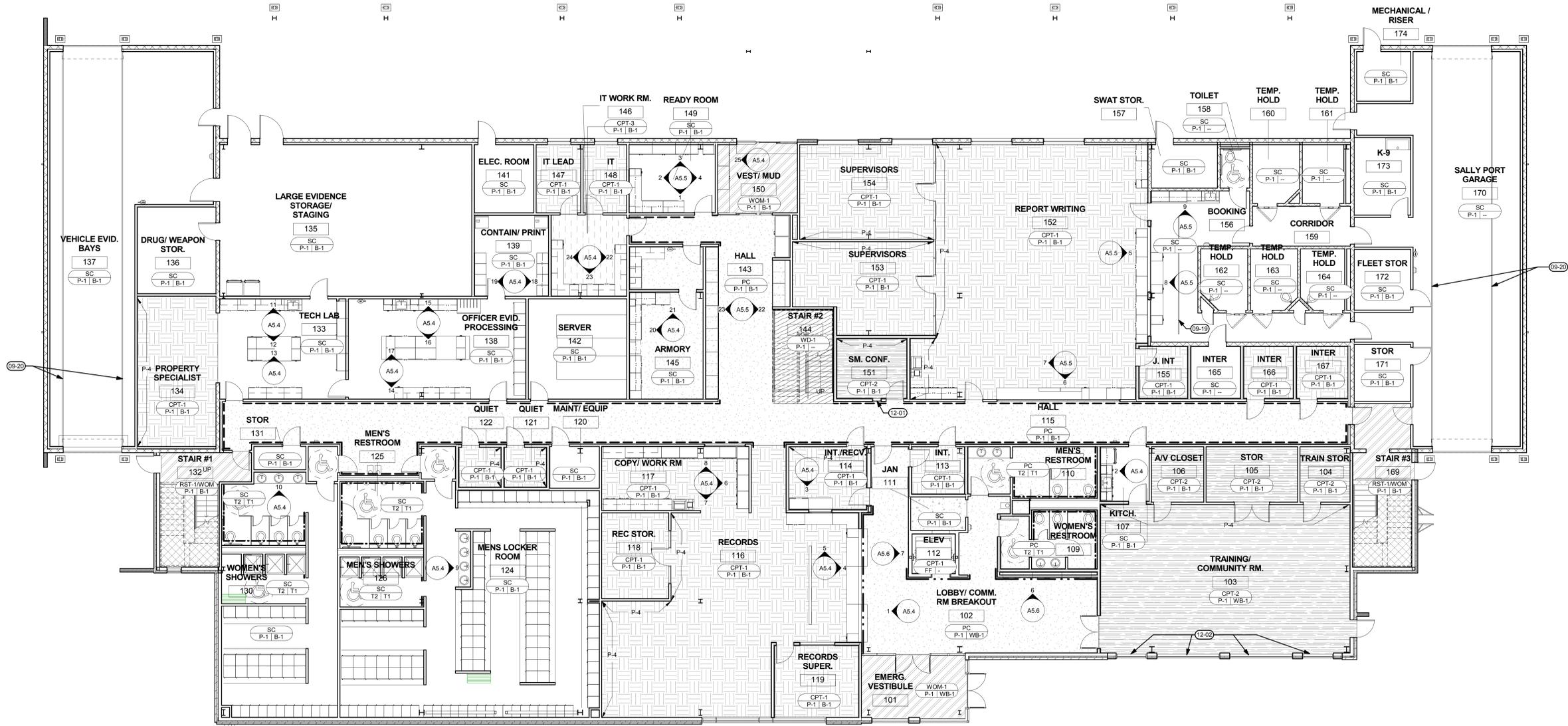


**1 HIGH ROOF PLAN**  
 1/8" = 1'-0"

- ROOF LEGEND**
- ROOF DRAIN -- SEE 1/A8.1
  - INDICATES ROOF BASE ELEVATION - SEE DETAIL 1/A8.1 FOR ROOF ASSEMBLIES
  - INDICATES DIRECTION OF SLOPE. PROVIDE MINIMUM 1/4" PER FOOT
  - DOWNSPOUT SIZE
  - SINGLE PLY ROOFING SYSTEM, TYPICAL -- SEE 1/A8.1
  - SINGLE PLY ROOFING SYSTEM W/ DECOR PROFILE -- SEE 1/A8.1
  - PV MODULES, SEE ELECTRICAL
  - BUILT-UP TAPERED INSULATION CRICKET -- AS REQUIRED FOR MIN 1/4" PER FOOT SLOPE

- GENERAL NOTES**
- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
  - B. SEE FURNITURE AND EQUIPMENT PLANS FOR ADDITIONAL INFORMATION
  - C. DIMENSIONS REFLECT FACE OF FINISH UNLESS NOTED OTHERWISE
  - D. WALL THICKNESSES ARE ACTUAL UNLESS NOTED OTHERWISE
  - E. SEE SHEET A1.1 FOR WALL TYPE DEFINITION AND STANDARD DETAILS. WALLS ARE P.I.A. U.N.O.
  - F. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS
  - G. SEE DETAIL 10/A8.1 FOR ELECTRICAL CONDUIT PENETRATIONS
  - H. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION PRIOR TO START OF WORK. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS
  - J. SEE DETAILS 2 & 3/A8.1 FOR PIPE PENETRATIONS
  - K. SEE DETAILS 4 & 5/A8.1 FOR MECHANICAL UNIT CURBS

- KEYNOTES**
- 07-10 SINGLE PLY ROOFING SYSTEM -- SEE DETAIL 1/A8.1
  - 07-11 SINGLE PLY W/DECOR PROFILE ROOF ASSEMBLY @ 18" OC-- SEE DETAIL 1/A8.1



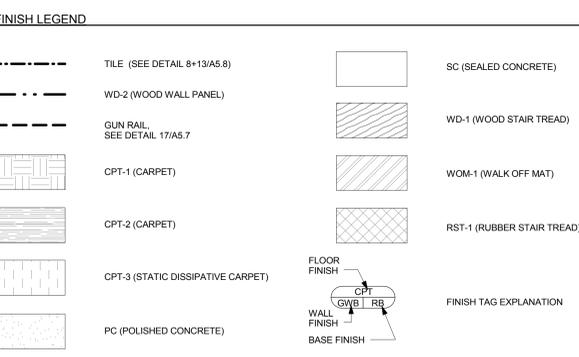
**1** FIRST FLOOR FINISH PLAN  
A2.5 1/8" = 1'-0"

**SCHEDULE OF INTERIOR FINISHES**

- SECTION 03 35 43 - POLISHED CONCRETE FINISHING**  
SC (SEALED CONCRETE) REFER TO SPECIFICATION FOR FURTHER INFORMATION.
- SECTION 06 15 32 - WOOD**  
WD-1 (WOOD STAIR TREAD) OREGON WHITE OAK BUTCHER BLOCK 3/4" LAMINATED  
WD-2 (WOOD PANELING) TERRAMAL SURFACE LONG PLANK TEAK ENGINEERED PANELING - CLEAR OIL  
WB-1 (WOOD BASE) TERRAMAL SURFACE LONG PLANK TEAK ENGINEERED PANELING - CLEAR OIL
- SECTION 08 41 16 - PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS**  
PL-1 (VERTICAL SURFACES) LAMIN-ART, 5048-T AUTUMN ODYSSEY, TEXTURED  
PL-2 (COUNTERTOPS) NEVAMAR, ARMORED PROTECTION, EISKAFFE, W20056T, TEXTURED  
PL-3 (GUN RAIL) WILSONART, PREMIUM ACON, 1599K-18 BLACK  
PL-4 NEVAMAR, BLACK TEXTURED, S-6-1T
- SECTION 09 30 13 - CERAMIC TILING**  
T-1 (WALL TILE) UNITED TILE, BELLAVITA, METRO, COLOR PUTTY GLOSS, 4X16  
T-2 (WALL TILE) UNITED TILE, BELLAVITA, METRO, COLOR SUPER WHITE GLOSS, 4X16
- SECTION 09 65 13 - RESILIENT BASE AND ACCESSORIES**  
B-1 (RUBBER BASE) FLEXCO BLACK/BROWN T1  
RB-2 (GYM FLOORING) JOHNSONITE, REPLAY COMMOTION COLLECTION, 517 CLOUD 9  
RST-1 (RUBBER STAIR TREADS) JOHNSONITE, HRT, 63, XX-SQ (BURNT UMBER, HAMMERED)
- SECTION 09 65 36 - STATIC-CONTROL RESILIENT FLOORING**  
SDT-1 (STATIC DISSIPATIVE TILE) ARMSTRONG, FOSSIL GRAY 51956
- SECTION 09 68 13 - TILE CARPETING**  
CPT-1 (GENERAL FIELD CARPET) BENTLEY, HITCHHIKER 4H100, COLOR SWAGGER 405228 (18"x36", INSTALL, HERRINGBONE)  
CPT-2 (@ CONFERENCE & MEETING ROOMS) BENTLEY, MULTIPLAY 4MYT4, COLOR FAN BOY 401377 (18"x36", INSTALL, HERRINGBONE)  
CPT-3 (STATIC DISSIPATIVE CARPET) JULIE INDUSTRIES STATIC SMART, COLONIAL SERIES, COLOR PENN (INSTALL, QUARTERTURN)

**FINISH LEGEND**

- SECTION 09 21 23 - INTERIOR PAINTING**  
P-1 (GENERAL WALL PAINT) PARKER PAINT COLORLIFE, CLW 1027W, MALIGNE LRV75  
P-2 (CEILING) SHERWIN WILLIAMS, SW 7005 PURE WHITE  
P-3 (ACCENT) ICI GLIDDEN, A1389, #508B 11021 "SAPPHIRE"  
P-4 (ACCENT) PARKER PAINT COLORLIFE, CL3290D ROCK BOTTOM LRV22
- SECTION 10 21 13 - METAL TOILET COMPARTMENT**  
PT (PARTITIONS) HADRIAN, POWDER COATED COLORS, 828 DOVETAIL
- SECTION 10 26 00 - WALL AND DOOR PROTECTION**  
FRP-1 (FIBER REINFORCED PANEL) AGROVYN, #314 QZARK WITH METAL TRIM CAP
- SECTION 12 24 00 - WINDOW SHADES**  
SWF CONTRACT SHADE SYSTEM - SHEERWEAVE 2600 V2225 CHARCOAL GRAY 3% OPENESS; PROVIDE AT ALL EXTERIOR WINDOWS, AND AS NOTED ON PLAN
- SECTION 12 36 61 - QUARTZ AGGLOMERATE COUNTERTOPS**  
SS-1 (TOILET ROOM COUNTER) FORMICA, FORMICA CLASSICS, LUNA CONCRETE 761  
SS-2 (RECEPTION COUNTER) PENTAL, PENTAL QUARTZ, B03949P-VELLUM POLISHED
- SECTION 12 48 13 - ENTRANCE FLOOR MATS AND FRAMES**  
WOM-1 (WALKOFF MAT) MOHAWK GROUP, STEP UP IT G311, COLOR 955 COBALT



**GENERAL NOTES**

- A. WALLS TO BE PAINTED P-1, UNLESS OTHERWISE NOTED.  
B. PROVIDE 4" RUBBER BASE, B-1, UNLESS OTHERWISE NOTED.  
C. DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, UNLESS OTHERWISE NOTED.  
D. CENTER FLOORING MATERIAL TRANSITIONS AT CENTERLINE OF DOOR, UNLESS OTHERWISE NOTED. PROVIDE SMOOTH TRANSITIONS.  
E. CONTRACTOR TO FULLY PROTECT ALL INSTALLED FINISHES FROM DAMAGE.  
F. PROVIDE RUBBER REDUCER AT ALL CARPET TO HARD AND/OR RESILIENT SURFACE FLOORING TRANSITIONS. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD LINE.  
G. DETAIL AND KEYNOTE REFERENCES SHOULD BE APPLIED AT ALL INSTANCES WHERE THE SAME CONDITION OCCURS, UNLESS OTHERWISE NOTED.  
H. DO NOT SCALE DRAWINGS TO DETERMINE SIZES. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO WORK.  
I. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION, INCLUDING CASEWORK.  
J. CENTER FLOORING TRANSITIONS AT CENTER OF DOORS, UNLESS OTHERWISE NOTED. INSTALL CARPET INSETS AT ALL ELECTRICAL FLOOR BOX LOCATIONS, CARPET TO MATCH ADJACENT FLOORING MATERIAL.  
K. ALL EXTERIOR WINDOWS TO RECEIVE MECHOSHADE WINDOW TREATMENT.  
L. SEE K16/A5.1 FOR OUTLET AND SWITCH MOUNTING LOCATIONS.

**KEYNOTES**

- 09-19 2" WIDE X 20" LONG WHITE EPOXY PAINT LINE ON FLOOR, CENTER IN ROOM  
09-20 2" WIDE YELLOW EPOXY PAINT GUIDE ON FLOOR  
12-01 ROLLER WINDOW SHADE  
12-02 ROLLER BLACK OUT SHADE

SHEET TITLE:  
**FIRST FLOOR  
FINISH PLAN**

DRAWN BY: ATM  
CHECKED BY: CPC  
SHEET

**A2.5**

JOB NO. 2140284.02



**1 SECOND FLOOR FINISH PLAN**  
A2.6 1/8" = 1'-0"

**SCHEDULE OF INTERIOR FINISHES**

**SECTION 03 35 43 - POLISHED CONCRETE FINISHING**  
SC (SEALED CONCRETE) REFER TO SPECIFICATION FOR FURTHER INFORMATION.

**SECTION 06 15 33 - WOOD**  
WD-1 (WOOD STAIR TREAD) OREGON WHITE OAK BUTCHER BLOCK 3/4" LAMINATED (WOOD PANELING) TERRAZZO SURFACE LONG PLANK TEAK ENGINEERED PANELING - CLEAR OIL  
WD-2 (WOOD PANELING) TERRAZZO SURFACE LONG PLANK TEAK ENGINEERED PANELING - CLEAR OIL  
WB-1 (WOOD BASE) TERRAZZO SURFACE LONG PLANK TEAK ENGINEERED PANELING - CLEAR OIL

**SECTION 06 41 16 - PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS**  
PL-1 (VERTICAL SURFACES) LAMIN-ART 5046-T AUTUMN ODYSSEY, TEXTURED  
PL-2 (COUNTERTOPS) NEVAMAR, ARMORED PROTECTION, EISKAFFE, W2006T, TEXTURED  
PL-3 (GUN RAIL) WILSONART, PREMIUM AEON, 1595K-18 BLACK  
PL-4 NEVAMAR, BLACK TEXTURED, S-6-TT

**SECTION 09 30 13 - CERAMIC TILING**  
T-1 (WALL TILE) UNITED TILE, BELLAVITA, METRO, COLOR PUTTY GLOSS, 4X16  
T-2 (WALL TILE) UNITED TILE, BELLAVITA, METRO, COLOR SUPER WHITE GLOSS, 4X16

**SECTION 09 65 13 - RESILIENT BASE AND ACCESSORIES**  
B-1 (RUBBER BASE) FLEXCO BLACK/BROWN 71  
RB-2 (GYM FLOORING) JOHNSONITE, REPLAY COMMOTION COLLECTION, 517 CLOUD 9  
RST-1 (RUBBER STAIR TREADS) JOHNSONITE, HIT, 63, XX,SQ (BURNT UMBER, HAMMERED)

**SECTION 09 65 38 - STATIC-CONTROL RESILIENT FLOORING**  
SDT-1 (STATIC DISSIPATIVE TILE) ARMSTRONG, FOSSIL GRAY 51956

**SECTION 09 68 13 - TILE CARPETING**  
CPT-1 (GENERAL FIELD CARPET) BENTLEY, HITCHHIKER 4H100, COLOR SWAGGER 405228 (18"X36", INSTALL: HERRINGBONE)  
CPT-2 (@ CONFERENCE & MEETING ROOMS) BENTLEY, MULTIPLAY 4MYT4, COLOR FAN BOY 401377 (18"X36", INSTALL: HERRINGBONE)  
CPT-3 (STATIC DISSIPATIVE CARPET) JULIE INDUSTRIES STATIC SMART, COLONIAL SERIES, COLOR PENN (INSTALL: QUARTER TURN)

**SECTION 09 91 23 - INTERIOR PAINTING**  
P-1 (GENERAL WALL PAINT) PARKER PAINT COLORFLEX, CLW 1027W, MALIGNE LRV75  
P-2 (CEILING) SHERWIN WILLIAMS, SW 7005 PURE WHITE  
P-3 (ACCENT) ICI GILDEN, A1399, #508B 11/321 "SAPPHIRE" (ACCENT) PARKER PAINT COLORFLEX, CL3235D, ROCK BOTTOM LRV22

**SECTION 10 21 13 - METAL TOILET COMPARTMENT**  
PT (PARTITIONS) HADRIAN, POWDER COATED COLORS, 828 DOVETAIL

**SECTION 10 26 00 - WALL AND DOOR PROTECTION**  
FRP-1 (FIBER REINFORCED PANEL) ACRYVYN, #314 OZARK WITH METAL TRIM CAP

**SECTION 12 24 00 - WINDOW SHADES**  
SWIFCONTRACT SHADE SYSTEM - SHEERWEAVE 2500 V2225 CHARCOAL GRAY 3% OPENESS (PROVIDE AT ALL EXTERIOR WINDOWS, AND AS NOTED ON PLAN)

**SECTION 12 36 61 - QUARTZ AGGLOMERATE COUNTERTOPS**  
SS-1 (TOILET ROOM COUNTER) FORMICA, FORMICA CLASSICS, LUNA CONCRETE 781  
SS-2 (RECEPTION COUNTER) PENTAL, PENTAL, QUARTZ, BQ940P VELLUM POLISHED

**SECTION 12 48 13 - ENTRANCE FLOOR MATS AND FRAMES**  
WOM-1 (WALKOFF MAT) MOHAWK GROUP, STEP UP II GT311, COLOR 955 COBALT

**FINISH LEGEND**

---	TILE (SEE DETAIL 8-13/A5.8)	SC (SEALED CONCRETE)
---	WD-2 (WOOD WALL PANEL)	WD-1 (WOOD STAIR TREAD)
---	GUN RAIL, SEE DETAIL 17/A5.7	WOM-1 (WALK OFF MAT)
---	CPT-1 (CARPET)	RST-1 (RUBBER STAIR TREAD)
---	CPT-2 (CARPET)	
---	CPT-3 (STATIC DISSIPATIVE CARPET)	
---	PC (POLISHED CONCRETE)	

**FINISH TAG EXPLANATION**

FLOOR FINISH: CPT, RB, RST  
WALL FINISH: G, W, B, T, R, S  
BASE FINISH: B

**GENERAL NOTES**

A. WALLS TO BE PAINTED P-1, UNLESS OTHERWISE NOTED.  
B. PROVIDE 4" RUBBER BASE, B-1, UNLESS OTHERWISE NOTED.  
C. DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, UNLESS OTHERWISE NOTED.  
D. CENTER FLOORING MATERIAL TRANSITIONS AT CENTERLINE OF DOOR, UNLESS OTHERWISE NOTED. PROVIDE SMOOTH TRANSITIONS.  
E. CONTRACTOR TO FULLY PROTECT ALL INSTALLED FINISHES FROM DAMAGE.  
F. PROVIDE RUBBER REDUCER AT ALL CARPET TO HARD AND/OR RESILIENT SURFACE FLOORING TRANSITIONS. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD LINE.  
G. DETAIL AND KEYNOTE REFERENCES SHOULD BE APPLIED AT ALL INSTANCES WHERE THE SAME CONDITION OCCURS, UNLESS OTHERWISE NOTED.  
H. DO NOT SCALE DRAWINGS TO DETERMINE SIZES. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO WORK.  
I. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION, INCLUDING CASEWORK.  
J. CENTER FLOORING TRANSITIONS AT CENTER OF DOORS, UNLESS OTHERWISE NOTED. INSTALL CARPET INSETS AT ALL ELECTRICAL FLOOR BOX LOCATIONS. CARPET TO MATCH ADJACENT FLOORING MATERIAL.  
K. ALL EXTERIOR WINDOWS TO RECEIVE MECHOSHADE WINDOW TREATMENT.  
L. SEE K16/A5.1 FOR OUTLET AND SWITCH MOUNTING LOCATIONS.

**KEYNOTES**

12-01	ROLLER WINDOW SHADE
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SHEET TITLE:  
**SECOND FLOOR FINISH PLAN**

DRAWN BY: ATM  
CHECKED BY: CPC  
SHEET  
**A2.6**  
JOB NO. 2140284.02



Revision Schedule	
Revision Delta	Issue Date

**LEGEND**

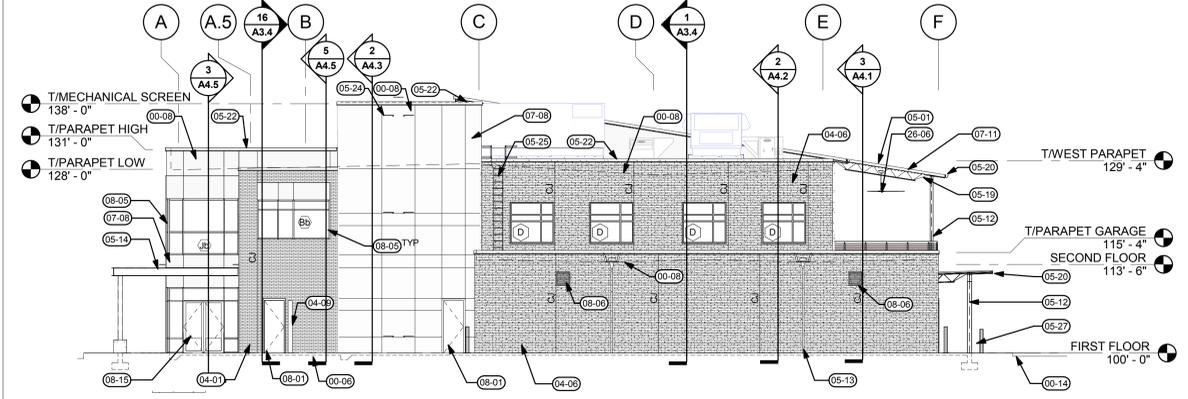
- ① WINDOW TYPE - SEE A9.3
- ② WINDOW TYPE, AS NOTED, OPPOSITE
- ③ int INTERIOR WINDOW TYPE - SEE A9.3
- MASONRY VENEER
- REINFORCED UNIT MASONRY
- METAL WALL PANEL - MP-1
- METAL WALL PANEL - MP-2
- METAL WALL PANEL JOINT
- MASONRY CONTROL JOINT

**GENERAL NOTES**

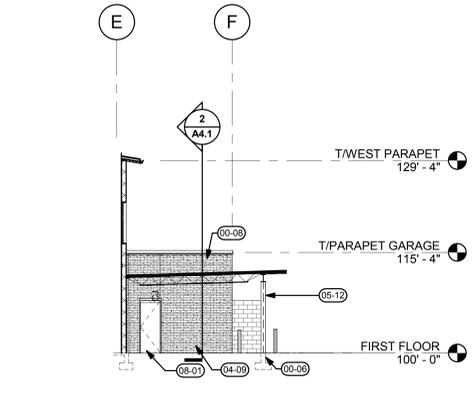
- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
- B. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS
- C. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS
- D. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE

**KEYNOTES**

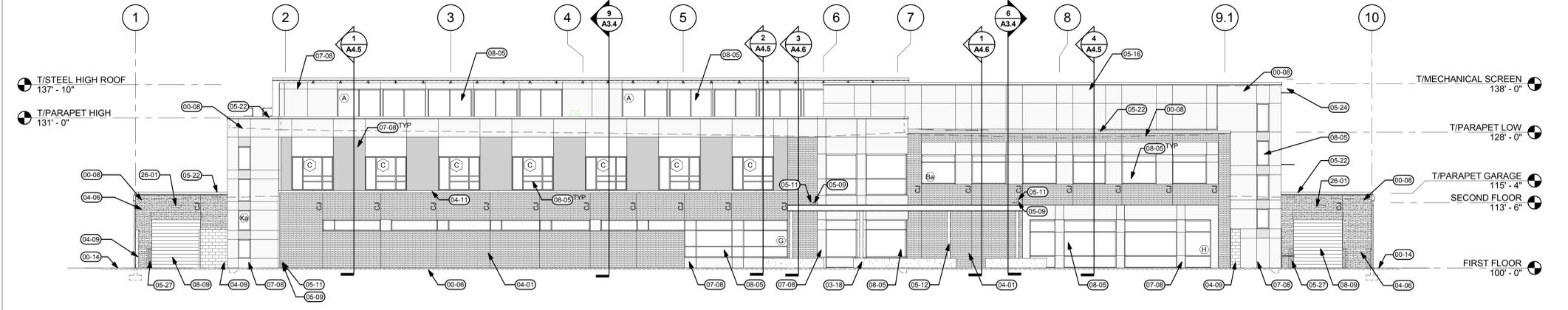
- 00-08 LINE OF FOUNDATION - SEE STRUCTURAL
- 00-08 LINE OF ROOF BEYOND - SEE ROOF PLAN
- 00-14 LINE OF CURB - SEE CIVIL
- 03-18 CONCRETE CAST IN PLACE BENCH, SACK FOR SMOOTH FINISH, PAINT TO MATCH WALLS. SEE LANDSCAPE
- 04-01 MASONRY VENEER
- 04-06 REINFORCED UNIT MASONRY
- 04-09 MASONRY SECURITY WALL - SEE DTL 5/A8.2 FOR COURSING PATTERN
- 04-11 MASONRY SILL BLOCK - SEE DTL 20/A8.4, COLOR REDONDO GREY
- 05-01 STRUCTURAL STEEL FRAMING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
- 05-08 VIVA CUBE GUARDRAIL - SURFACE MOUNTED, SEE DETAIL 5/A7.5
- 05-09 METAL SCUPPER - SEE DETAILS 16, 17, 18/A8.2 - SEE PLUMBING
- 05-11 OVERFLOW SCUPPER - SEE PLUMBING
- 05-12 STEEL COLUMN, PAINT P-X - SEE STRUCTURAL
- 05-13 STEEL COLLECTOR BOX, TIE TO DOWNSPOUT - SEE DETAIL XXX
- 05-14 EXTERIOR CANOPY - SEE ROOF PLAN
- 05-16 METAL PANEL SCREEN WALL
- 05-19 STRUCTURE, PAINT P-X WHERE EXPOSED - SEE STRUCTURAL
- 05-20 6" INTEGRAL GALVANIZED STEEL GUTTER W/ MIN. 1/8" PER FOOT SLOPE. COORDINATE CONNECTION W/ PLUMBING AND CIVIL
- 05-22 METAL COPINGS TO MATCH METAL WALL PANEL
- 05-23 STEEL DOWNSPOUT - COORDINATE CONNECTION WITH PLUMBING, LANDSCAPE, AND CIVIL - SEE DETAIL XX/A8.2
- 05-24 RADIO ANTENNA SUPPORT BRACKETS - OFCI - ENGINEERING BY OTHERS
- 05-25 ROOF ACCESS LADDER - SEE DETAIL XXX FOR CONNECTIONS
- 05-27 BOLLARD, SEE DETAIL 19/A8.2
- 07-08 METAL WALL PANEL
- 07-11 SINGLE PLY W/DECOR PROFILE ROOF ASSEMBLY @ 18" OC - SEE DETAIL 1/A8.1
- 08-01 HOLLOW METAL DOOR AND FRAME
- 08-04 SLIDING GLASS DOOR - SEE DOOR SCHEDULE
- 08-05 ALUMINUM-FRAMED STOREFRONT SYSTEM - SEE GLAZING SCHEDULE
- 08-06 2" X 2" LOUVER - SEE DTL 5/A8.4 AND MECHANICAL - MOUNT HEAD AT XX'XX"
- 08-07 2" X 4" LOUVER - SEE DOOR SCHEDULE AND MECHANICAL
- 08-09 MOTORIZED SECTIONAL OVERHEAD DOOR - SEE DOOR SCHEDULE
- 08-10 12" X 12" LOUVER - SEE DTL 5/A8.4 AND MECHANICAL
- 08-11 2" X 3" LOUVER - SEE DOOR SCHEDULE AND MECHANICAL
- 08-15 STOREFRONT DOOR ASSEMBLY - SEE DOOR SCHEDULE
- 23-02 ROOF TOP MECHANICAL UNIT - SEE MECHANICAL
- 26-01 EXTERIOR LIGHTING FIXTURE, COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR INSTALLATION - SEE ELECTRICAL
- 26-06 HAKU 84 EXTERIOR CEILING FAN - SEE ELECTRICAL



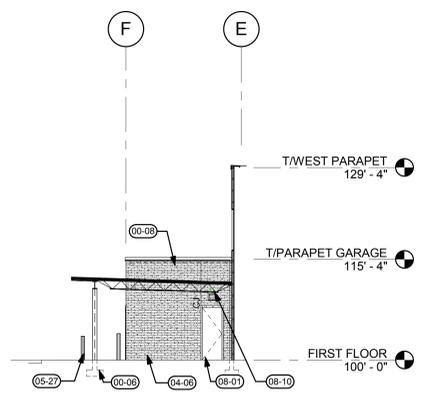
**1 NORTH ELEVATION**  
 A3.1 3/32" = 1'-0"



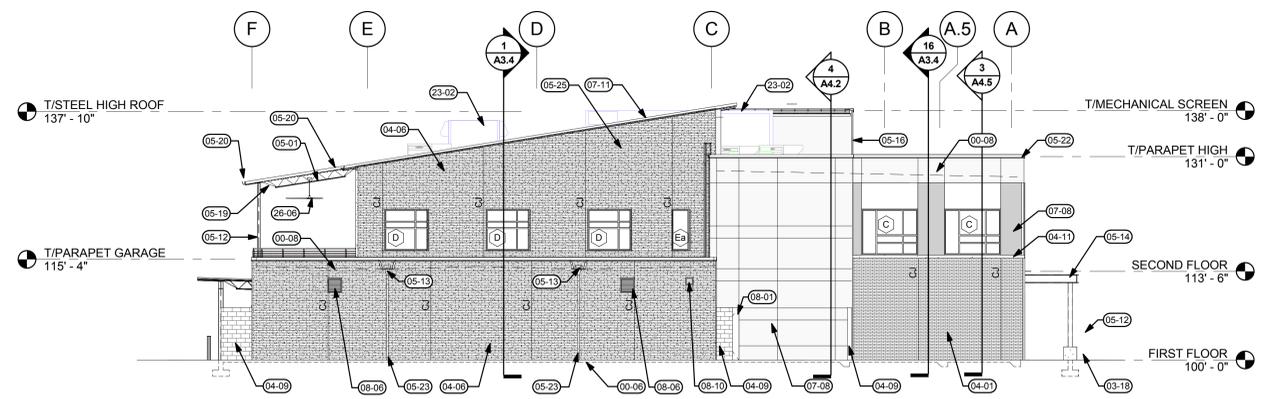
**4 GARAGE NORTH ELEVATION**  
 A3.1 3/32" = 1'-0"



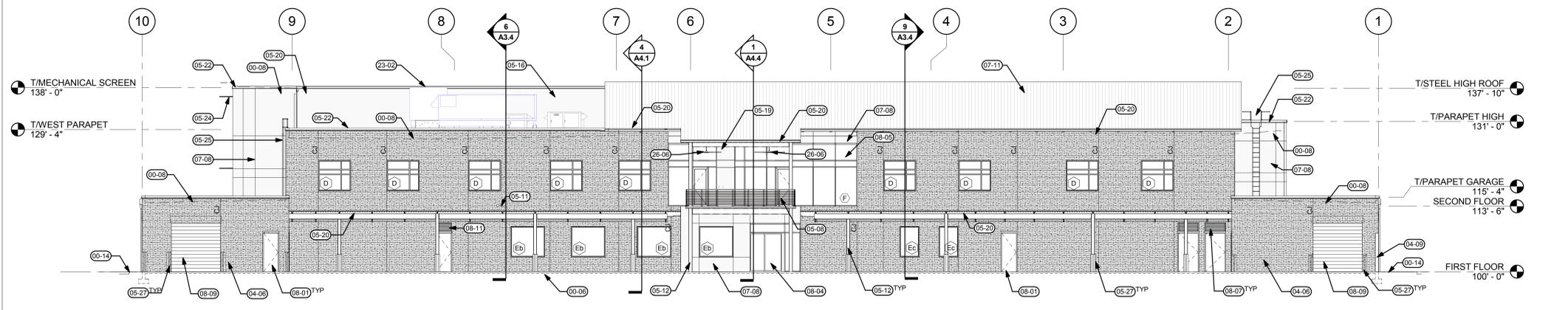
**6 EAST ELEVATION**  
 A3.1 3/32" = 1'-0"



**11 SALLY PORT SOUTH ELEVATION**  
 A3.1 3/32" = 1'-0"



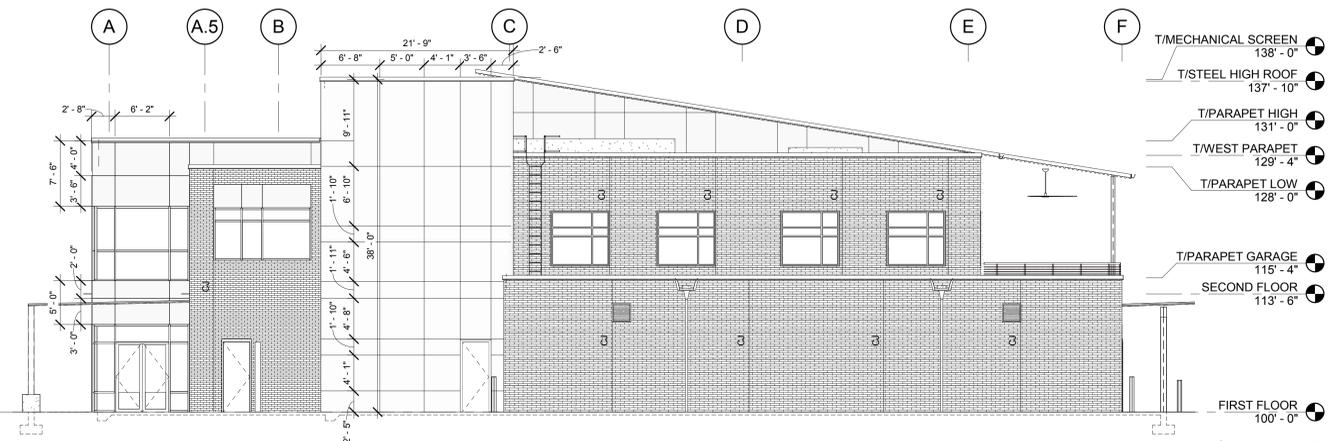
**13 SOUTH ELEVATION**  
 A3.1 3/32" = 1'-0"



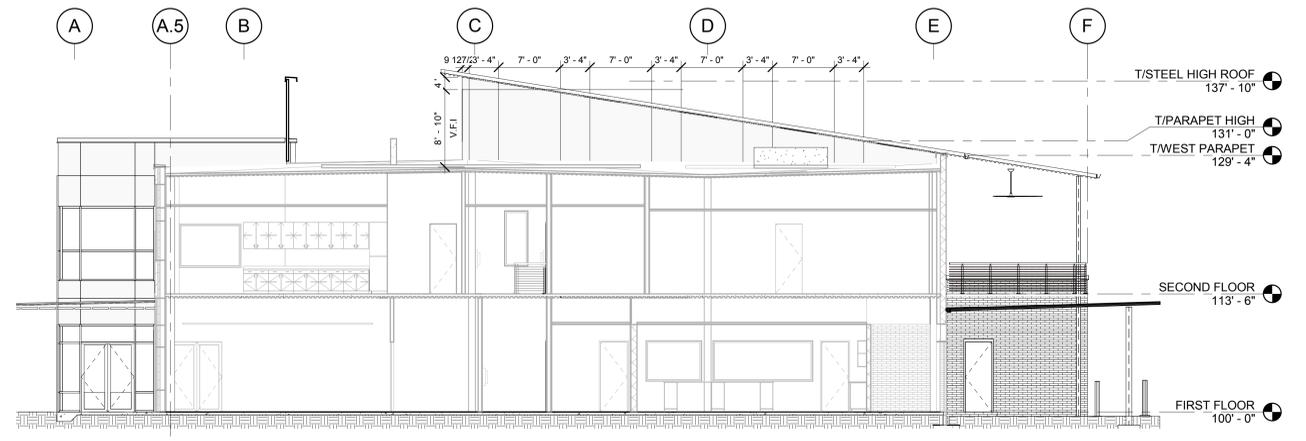
**16 WEST ELEVATION**  
 A3.1 3/32" = 1'-0"



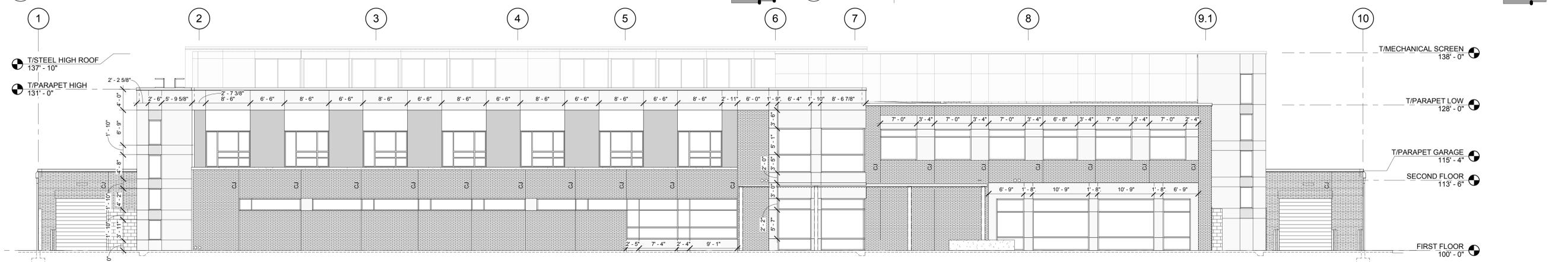
Revision Schedule	
Revision Delta	Issue Date



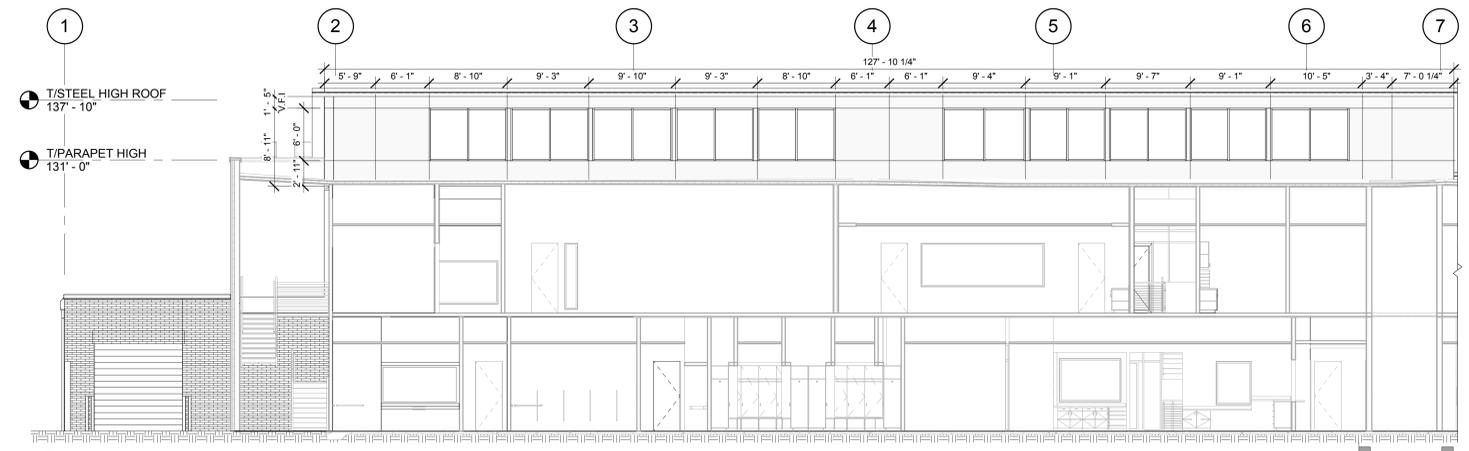
**1 NORTH ELEVATION**  
 A3.2 1/8" = 1'-0"



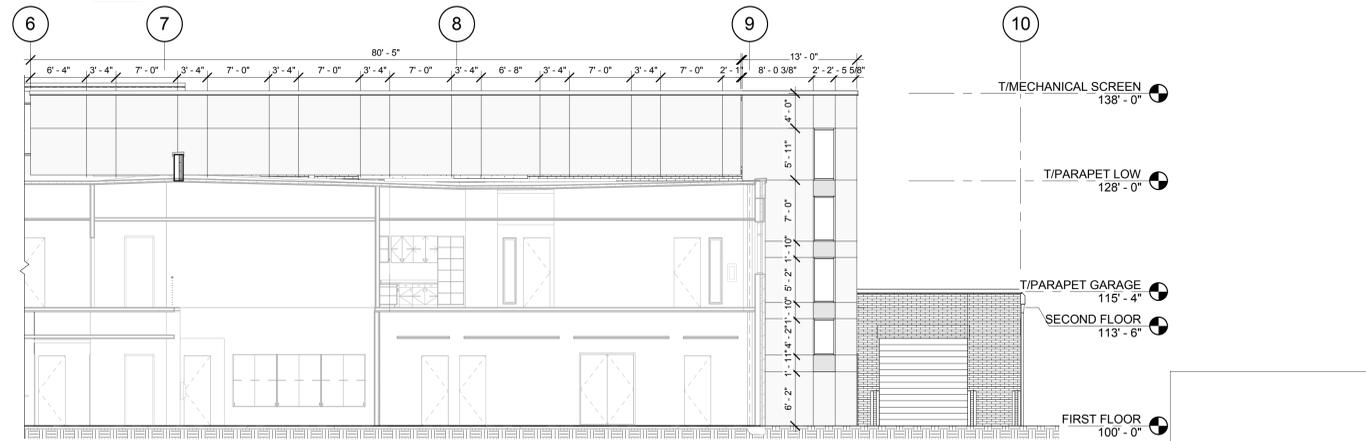
**4 SECTION LOOKING SOUTH**  
 A3.2 1/8" = 1'-0"



**2 EAST ELEVATION**  
 A3.2 1/8" = 1'-0"



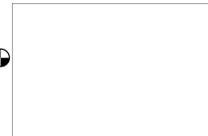
**3 SECTION LOOKING WEST**  
 A3.2 1/8" = 1'-0"



**5 SECTION LOOKING WEST**  
 A3.2 1/8" = 1'-0"

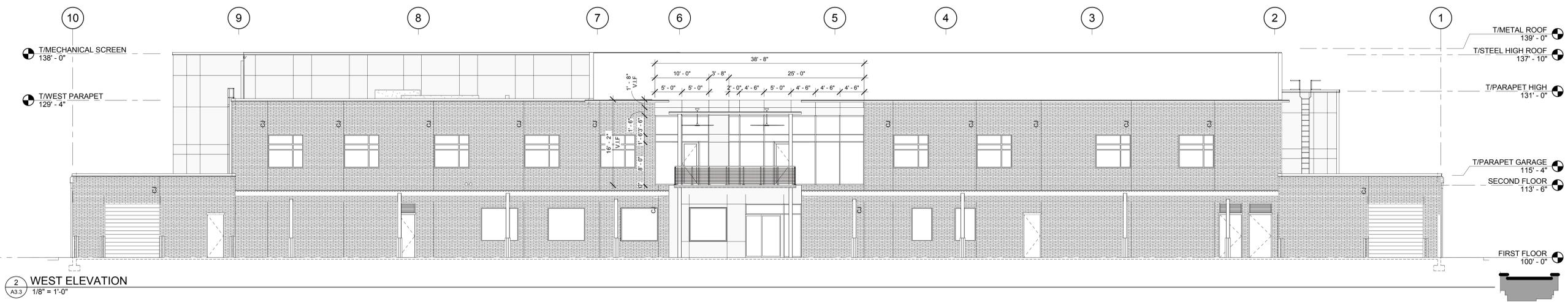
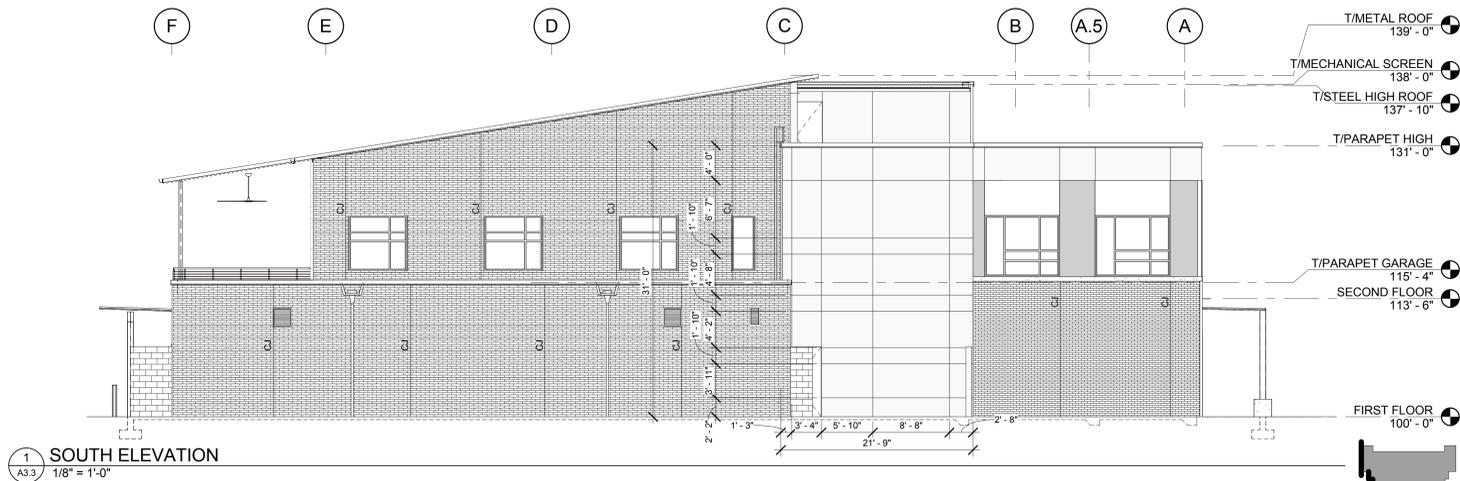
- LEGEND**
- ① WINDOW TYPE - SEE A9.3
  - ② WINDOW TYPE, AS NOTED, OPPOSITE
  - ③ INTERIOR WINDOW TYPE - SEE A9.3
  - MASONRY VENEER
  - REINFORCED UNIT MASONRY
  - METAL WALL PANEL - MP-1
  - METAL WALL PANEL - MP-2
  - METAL WALL PANEL JOINT
  - MASONRY CONTROL JOINT

- GENERAL NOTES**
- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
  - B. ELEVATION 100'-0" = 217.00' FINISH FLOOR ELEVATION MAIN FLOOR INDICATED IN CIVIL DRAWINGS
  - C. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS
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Revision Schedule	
Revision Delta	Issue Date

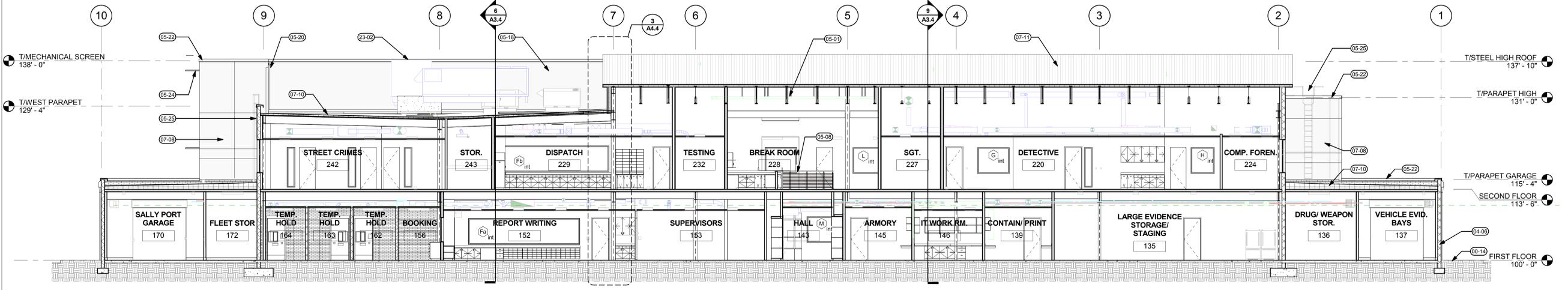


**LEGEND**

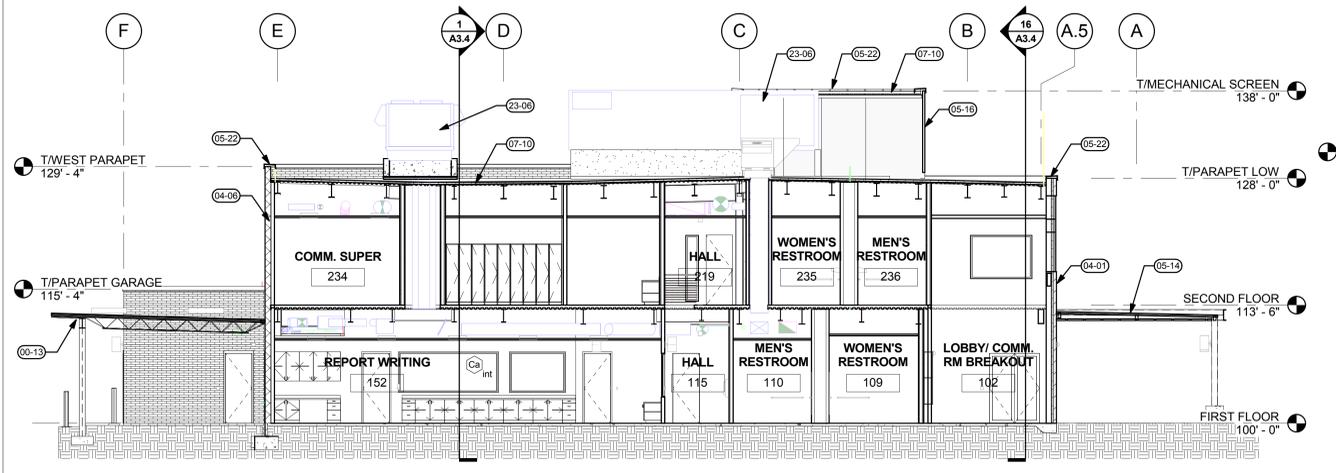
- ① WINDOW TYPE - SEE A9.3
- ① OPP WINDOW TYPE, AS NOTED, OPPOSITE
- ① int INTERIOR WINDOW TYPE - SEE A9.3
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- REINFORCED UNIT MASONRY
- METAL WALL PANEL - MP-1
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- METAL WALL PANEL JOINT
- MASONRY CONTROL JOINT

**GENERAL NOTES**

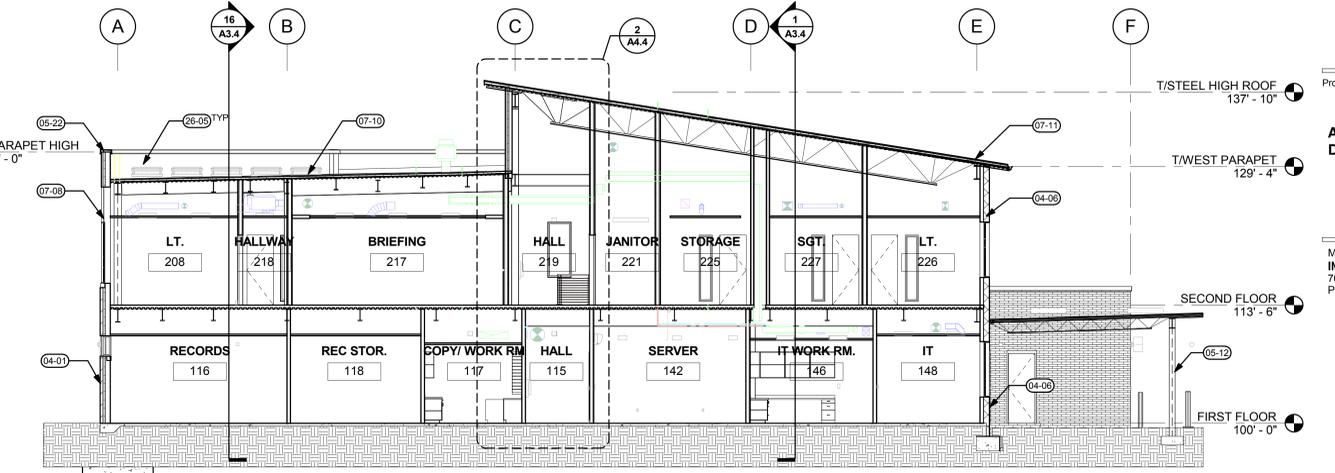
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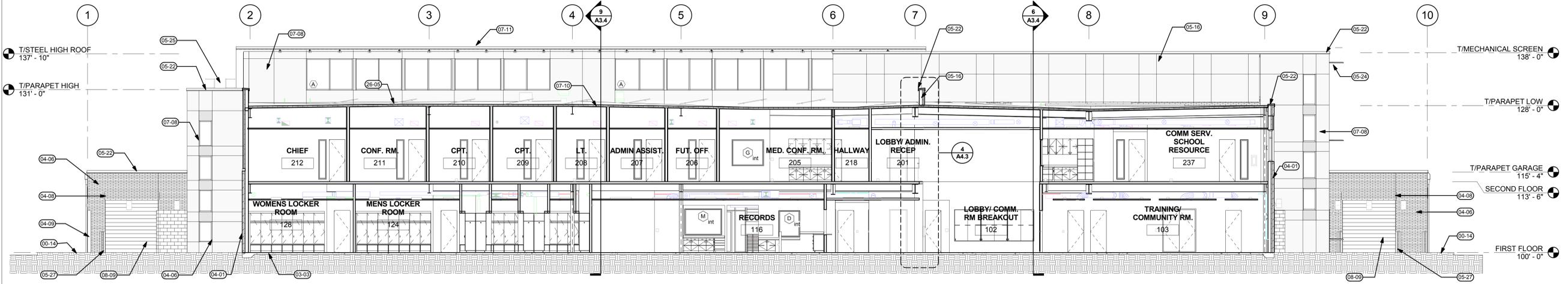
1 SECTION LOOKING EAST  
A3.4 1/8" = 1'-0"



6 SECTION LOOKING NORTH  
A3.4 1/8" = 1'-0"



9 SECTION LOOKING SOUTH  
A3.4 1/8" = 1'-0"



16 SECTION LOOKING WEST  
A3.4 1/8" = 1'-0"

**LEGEND**

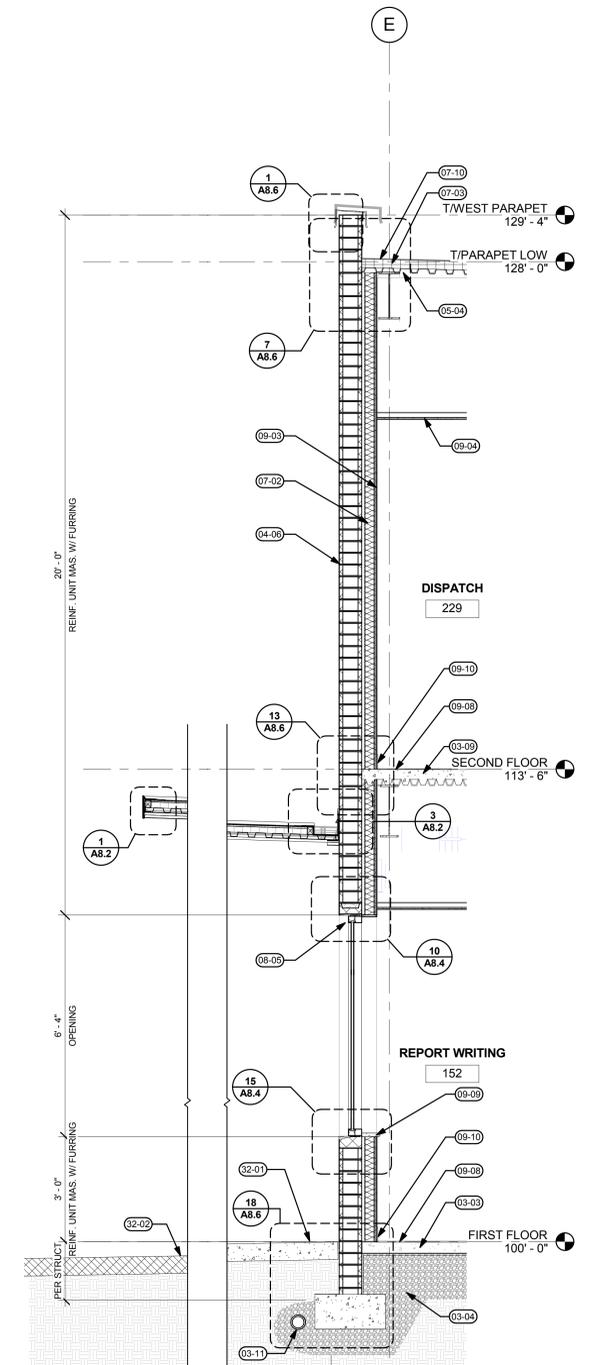
- (1) WINDOW TYPE - SEE A9.3
- (OPP) WINDOW TYPE, AS NOTED, OPPOSITE
- (int) INTERIOR WINDOW TYPE - SEE A9.3
- MASONRY VENEER
- REINFORCED UNIT MASONRY
- METAL WALL PANEL - MP-1
- METAL WALL PANEL - MP-2
- METAL WALL PANEL JOINT
- MASONRY CONTROL JOINT

**GENERAL NOTES**

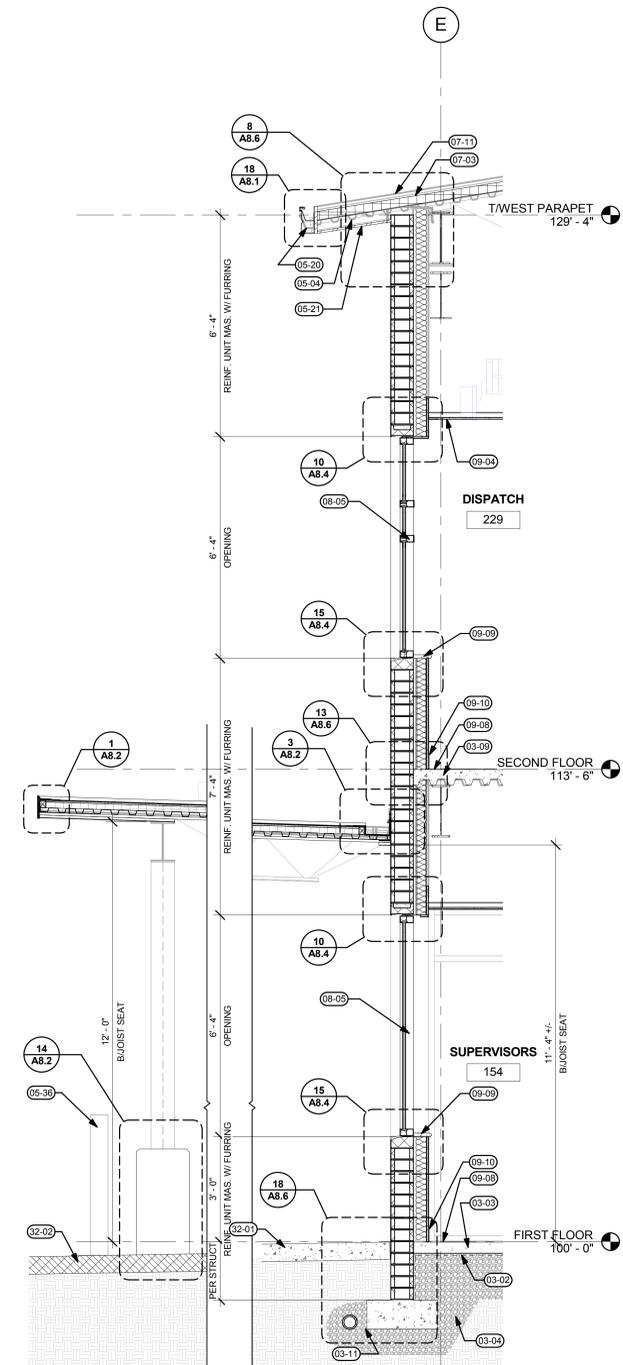
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**KEYNOTES**

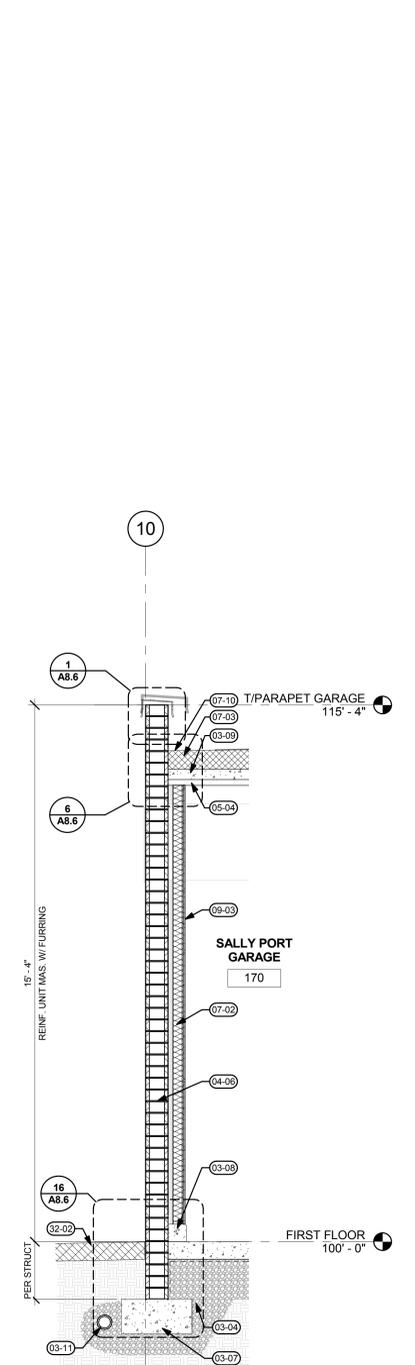
00-13	CARPENT CANOPY - SEE ROOF PLANS
00-14	LINE OF CURB - SEE CIVIL
03-03	CONCRETE SLAB ON GRADE - SEE STRUCTURAL
04-01	MASONRY VENEER
04-06	REINFORCED UNIT MASONRY
04-08	STRUCTURAL MASONRY BOND BEAM
04-09	MASONRY SECURITY WALL - SEE DTL 5/A8.2 FOR COURSING PATTERN
05-01	STRUCTURAL STEEL FRAMING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
05-08	VIVA CUBE GUARDRAIL - SURFACE MOUNTED, SEE DETAIL 5/A7.5
05-12	STEEL COLUMN, PAINT P-X - SEE STRUCTURAL
05-14	EXTERIOR CANOPY - SEE ROOF PLAN
05-16	METAL PANEL SCREEN WALL
05-20	6" INTEGRAL GALVANIZED STEEL GUTTER W/ MIN. 1/8" PER FOOT SLOPE. COORDINATE CONNECTION W/ PLUMBING AND CIVIL
05-22	METAL COPING TO MATCH METAL WALL PANEL
05-24	RADIO ANTENNA SUPPORT BRACKETS - 0'0"1- ENGINEERING BY OTHERS
05-25	ROOF ACCESS LADDER - SEE DETAIL XXX FOR CONNECTIONS
05-27	BOLLARD, SEE DETAIL 19/A8.2
07-08	METAL WALL PANEL
07-10	SINGLE PLY ROOFING SYSTEM - SEE DETAIL 1/A8.1
07-11	SINGLE PLY W/DECOR PROFILE ROOF ASSEMBLY @ 18" OC - SEE DETAIL 1/A8.1
08-09	MOTORIZED SECTIONAL OVERHEAD DOOR - SEE DOOR SCHEDULE
23-02	ROOF TOP MECHANICAL UNIT - SEE MECHANICAL
23-08	MECHANICAL EQUIPMENT - SEE MECHANICAL
26-05	PHOTOVOLTAIC PANELS - SEE ELECTRICAL AND STRUCTURAL



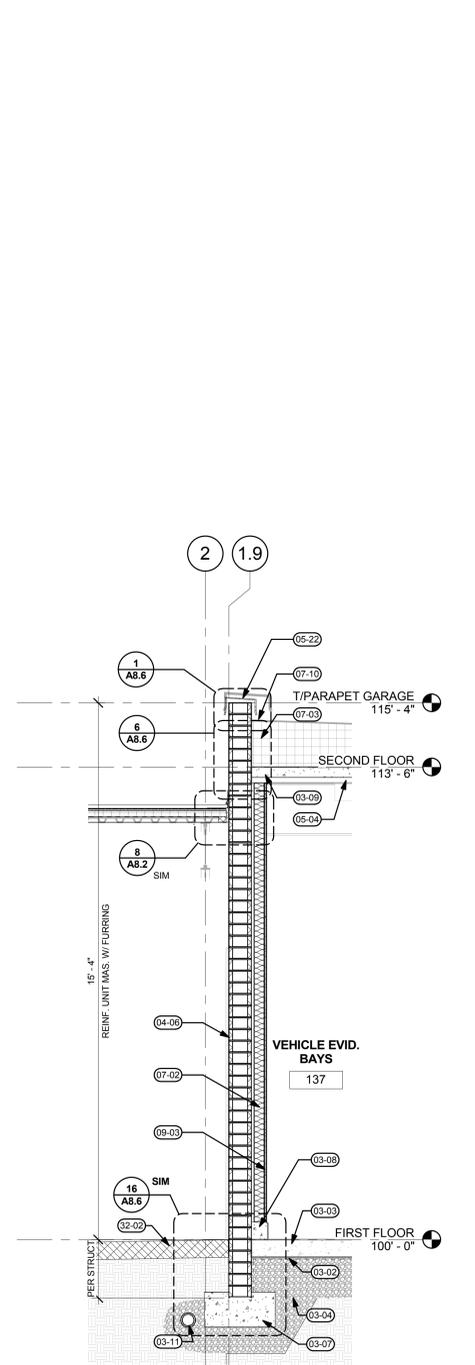
5 WALL SECTION  
A4.1 1/2" = 1'-0"



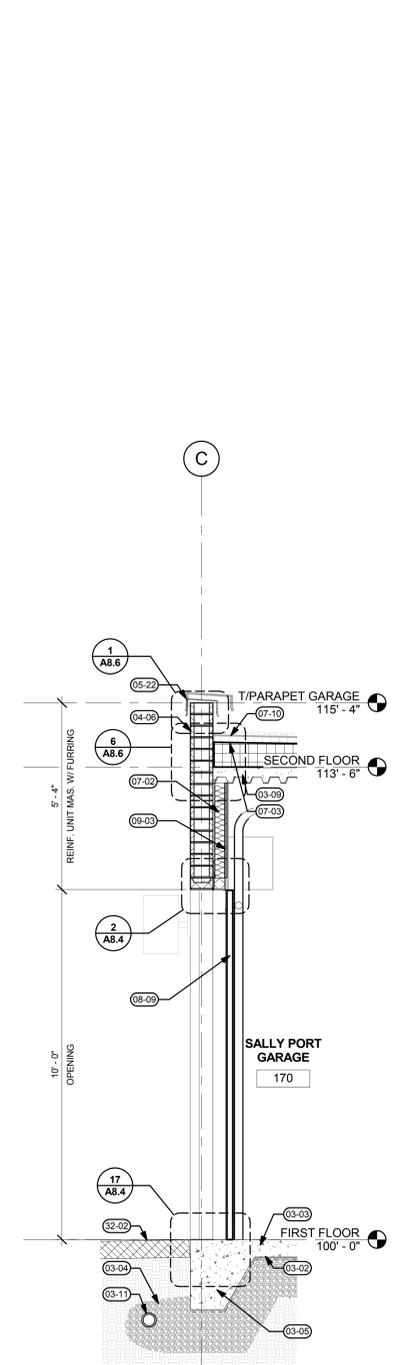
4 WALL SECTION  
A4.1 1/2" = 1'-0"



3 WALL SECTION  
A4.1 1/2" = 1'-0"



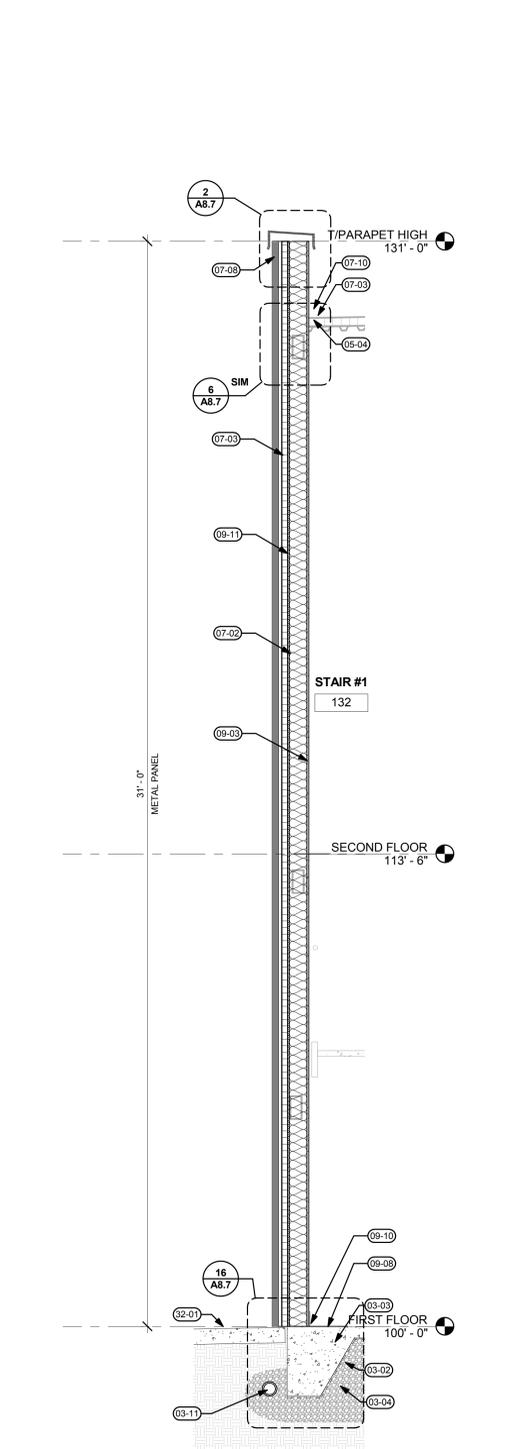
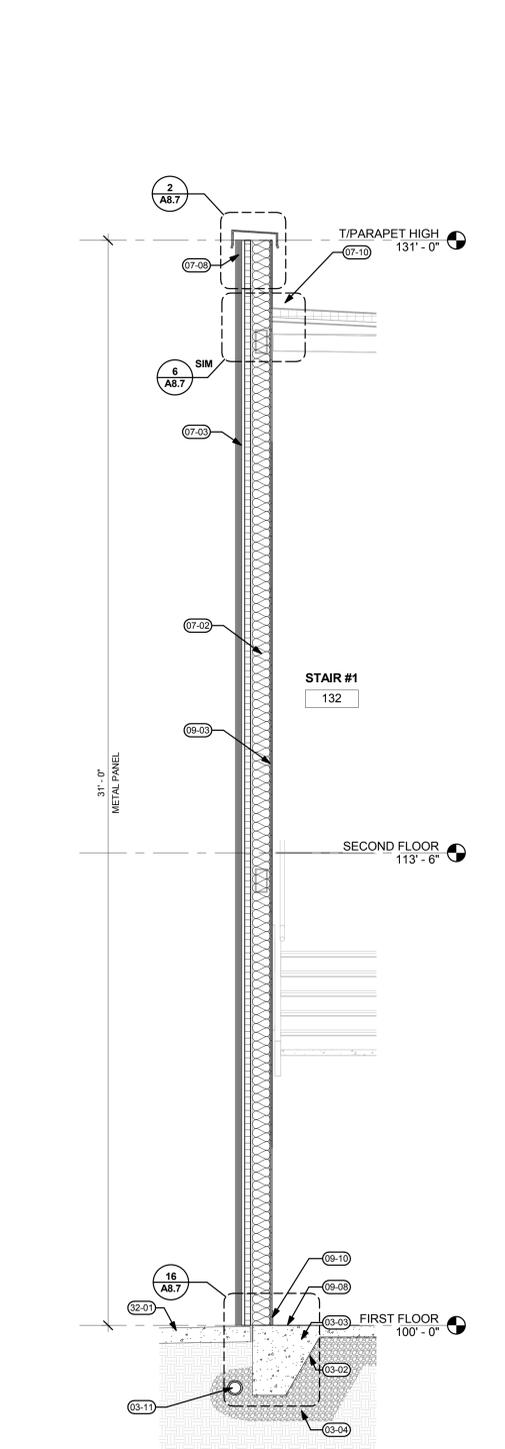
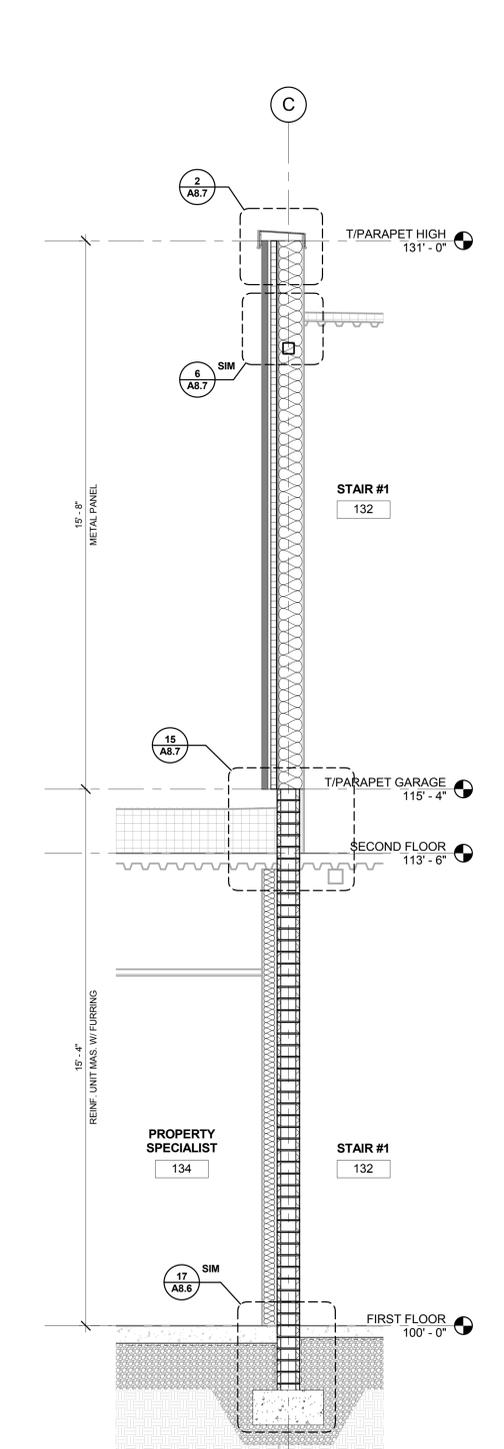
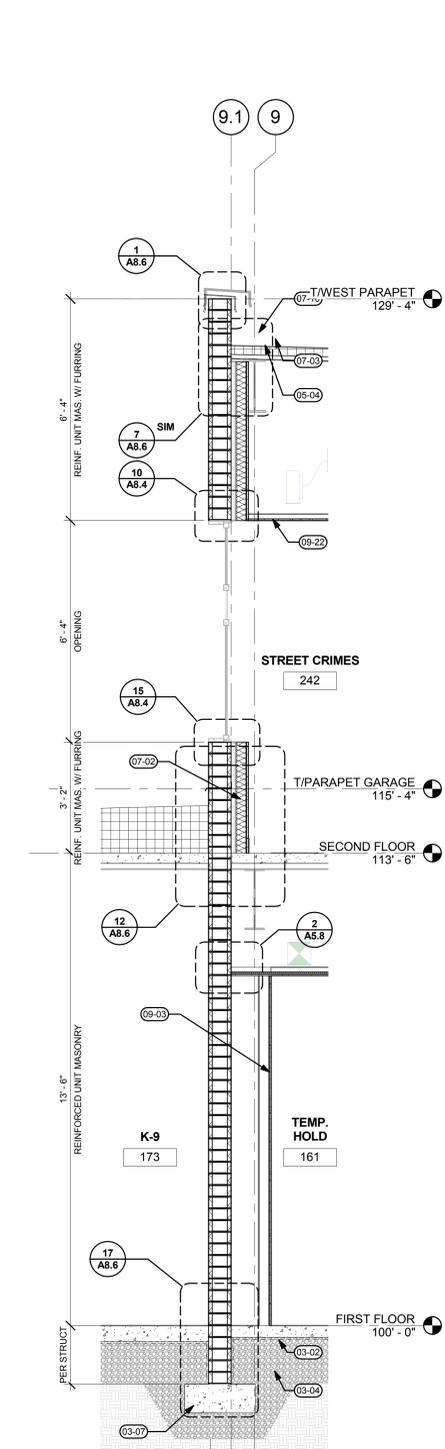
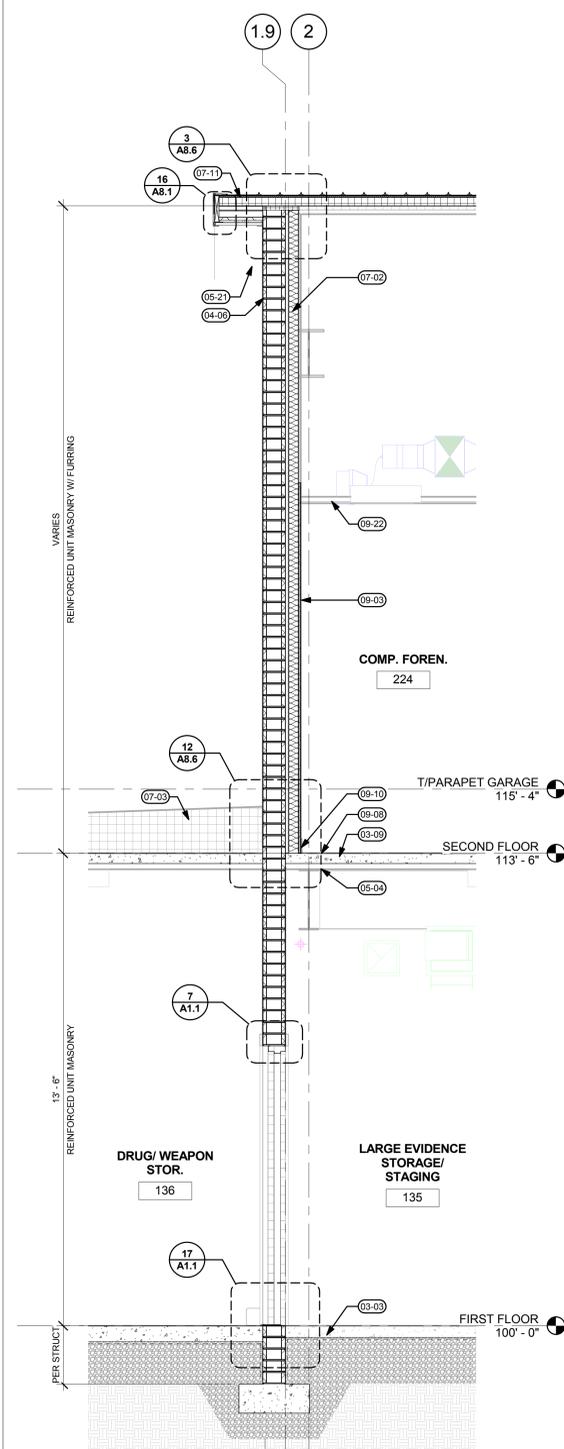
2 WALL SECTION  
A4.1 1/2" = 1'-0"



1 WALL SECTION  
A4.1 1/2" = 1'-0"

- GENERAL NOTES**
- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
  - B. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS
  - C. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALE.
  - D. SEE SHEET A8\_ FOR TYPICAL EXTERIOR WALL ASSEMBLIES

- KEYNOTES**
- |       |   |       |   |
|-------|---|-------|---|
| 03-02 | UNDERSLAB VAPOR RETARDER - SEE SPECIFICATIONS   | 08-09 | MOTORIZED SECTIONAL OVERHEAD DOOR - SEE DOOR SCHEDULE |
| 03-03 | CONCRETE SLAB ON GRADE - SEE STRUCTURAL   | 09-03 | GYPSUM BOARD SHEATHING                                |
| 03-04 | ROCK BASE - PER GEOTECH RECOMMENDATIONS   | 09-04 | SUSPENDED ACOUSTICAL CEILING SYSTEM                   |
| 03-05 | THICKENED EDGE AT SLAB ON GRADE - SEE STRUCTURAL  | 09-08 | FLOOR FINISH PER FINISH PLAN                          |
| 03-07 | CONCRETE FOOTING. MAINTAIN MIN REQ'D COVER FROM GROUND TO TOP OF FOOTING. COORDINATE COURSING AS INDICATED IN ARCHITECTURAL DETAILS - SEE STRUCTURAL FOR ADDITIONAL INFORMATION | 09-09 | MEF SILL, PAINTED                                     |
| 03-08 | 6" CONCRETE CURB, TYPICAL AT GYP WALLS IN SALLYPORT AND VEHICLE EVIDENCE BAY. SEE DETAILS 11 & 16/A&S   | 09-10 | FLOOR BASE, PER FINISH PLANS                          |
| 03-09 | COMPOSITE CONCRETE DECK - SEE STRUCTURAL  | 32-01 | CONCRETE SIDEWALK - SEE CIVIL                         |
| 03-11 | FOUNDATION DRAIN, AS OCCURS - SEE CIVIL AND GEOTECHNICAL RECOMMENDATION   | 32-02 | ASPHALT - SEE CIVIL                                   |
| 04-06 | REINFORCED UNIT MASONRY   |       |   |
| 05-04 | STEEL DECKING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL   |       |   |
| 05-20 | 6" INTEGRAL GALVANIZED STEEL GUTTER W/ MIN. 1/8" PER FOOT SLOPE. COORDINATE CONNECTION W/ PLUMBING AND CIVIL  |       |   |
| 05-21 | METAL SOFFIT PANEL  |       |   |
| 05-22 | METAL COPING TO MATCH METAL WALL PANEL  |       |   |
| 05-36 | STEEL CHANNEL BOLLARD, SEE DETAIL 15/A&S  |       |   |
| 07-02 | BATT INSULATION   |       |   |
| 07-03 | RIGID INSULATION  |       |   |
| 07-10 | SINGLE PLY ROOFING SYSTEM - SEE DETAIL 1/A&S  |       |   |
| 07-11 | SINGLE PLY W/DECOR PROFILE ROOF ASSEMBLY @ 18" OC - SEE DETAIL 1/A&S  |       |   |
| 08-05 | ALUMINUM-FRAMED STOREFRONT SYSTEM - SEE GLAZING SCHEDULE  |       |   |



**1 WALL SECTION**  
 A4.2 1/2" = 1'-0"

**2 WALL SECTION**  
 A4.2 1/2" = 1'-0"

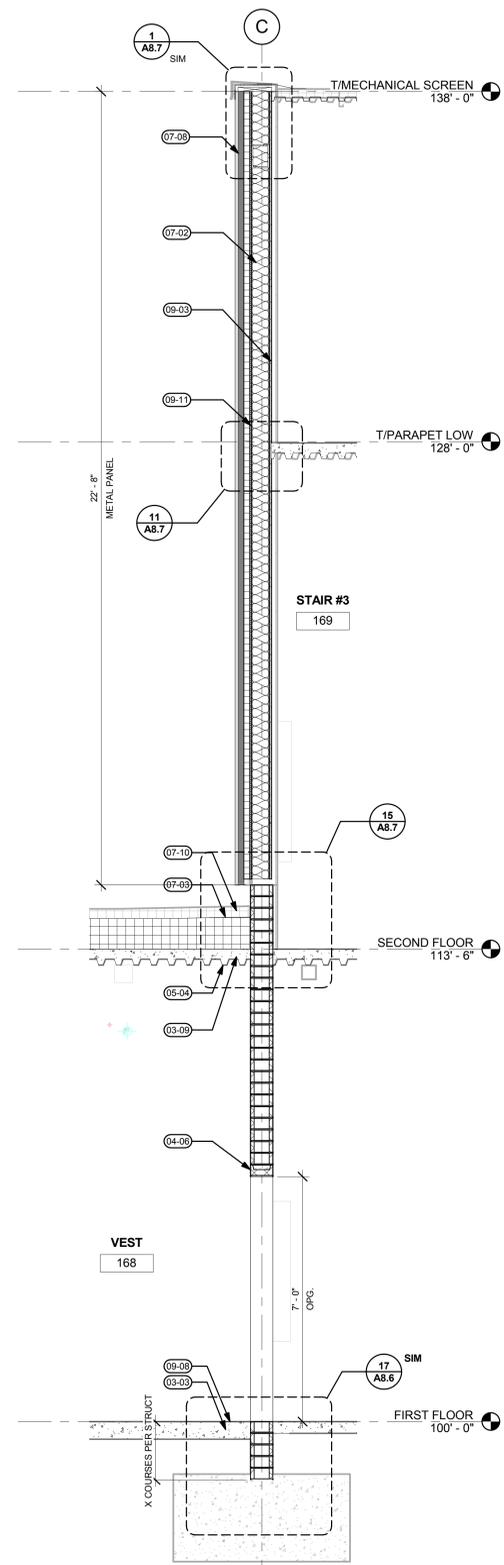
**3 WALL SECTION**  
 A4.2 1/2" = 1'-0"

**4 WALL SECTION**  
 A4.2 1/2" = 1'-0"

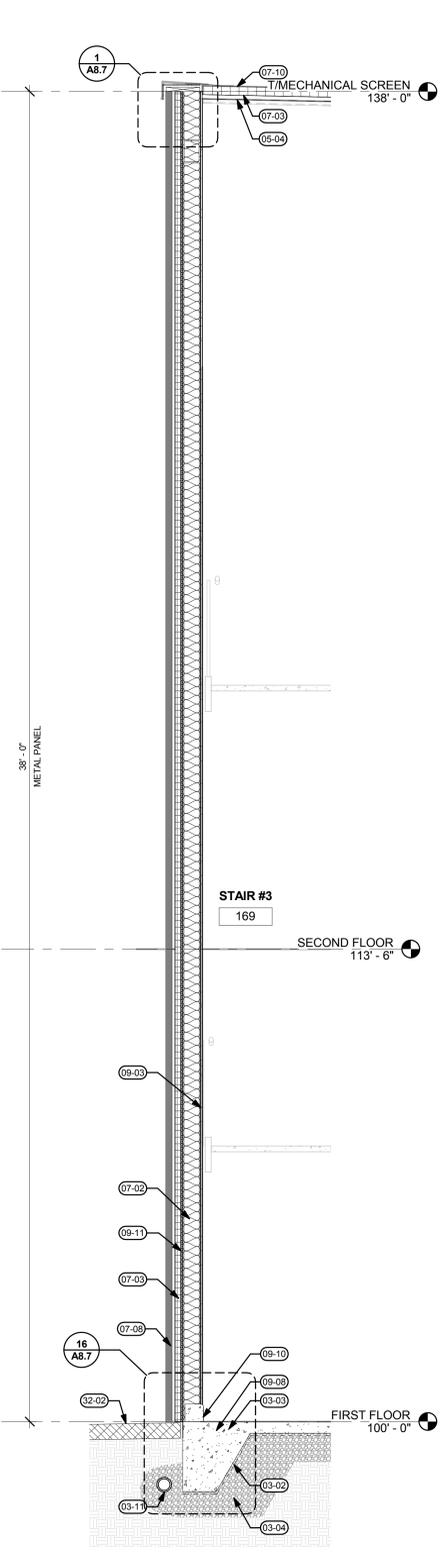
**5 WALL SECTION**  
 A4.2 1/2" = 1'-0"

- GENERAL NOTES**
- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
  - B. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS
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  - D. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALE.
  - E. SEE SHEET AB\_ FOR TYPICAL EXTERIOR WALL ASSEMBLIES

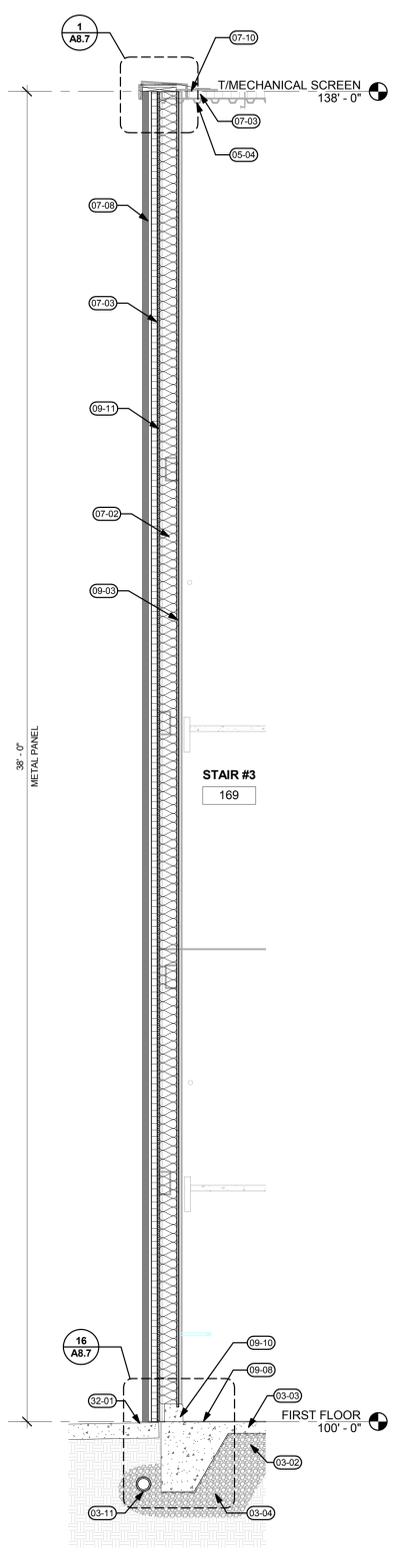
- KEYNOTES**
- 03-02 UNDERSLAB VAPOR RETARDER - SEE SPECIFICATIONS
  - 03-03 CONCRETE SLAB ON GRADE - SEE STRUCTURAL
  - 03-04 ROCK BASE - PER GEOTECH RECOMMENDATIONS
  - 03-07 CONCRETE FOOTING, MAINTAIN MIN REOD COVER FROM GROUND TO TOP OF FOOTING. COORDINATE COURSING AS INDICATED IN ARCHITECTURAL DETAILS - SEE STRUCTURAL FOR ADDITIONAL INFORMATION
  - 03-09 COMPOSITE CONCRETE DECK - SEE STRUCTURAL
  - 03-11 FOUNDATION DRAIN, AS OCCURS - SEE CIVIL AND GEOTECHNICAL RECOMMENDATION
  - 04-06 REINFORCED UNIT MASONRY
  - 05-04 STEEL DECKING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
  - 05-21 METAL SOFFIT PANEL
  - 07-02 BATT INSULATION
  - 07-03 RIGID INSULATION
  - 07-08 METAL WALL PANEL
  - 07-10 SINGLE PLY ROOFING SYSTEM - SEE DETAIL 1/A8.1
  - 07-11 SINGLE PLY W/DECOR PROFILE ROOF ASSEMBLY @ 18" OC - SEE DETAIL 1/A8.1
  - 09-03 GYPSUM BOARD SHEATHING
  - 09-08 FLOOR FINISH PER FINISH PLAN
  - 09-10 FLOOR BASE, PER FINISH PLANS
  - 09-11 SURE-BOARD SHEATHING
  - 09-22 CEILING ASSEMBLY AND HEIGHT, PER CEILING PLANS
  - 03-01 CONCRETE SIDEWALK - SEE CIVIL



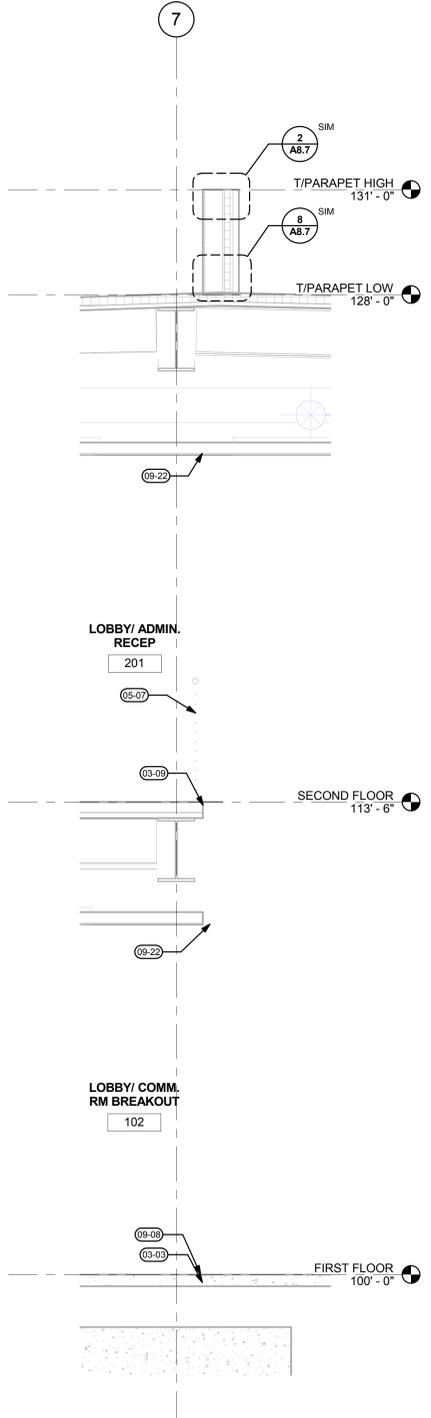
1 WALL SECTION  
 A4.3 1/2" = 1'-0"



2 WALL SECTION  
 A4.3 1/2" = 1'-0"



3 WALL SECTION  
 A4.3 1/2" = 1'-0"



4 WALL SECTION  
 A4.3 1/2" = 1'-0"

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  - C. SEE SHEET A8\_ FOR TYPICAL EXTERIOR WALL ASSEMBLIES.

- KEYNOTES**
- 03-02 UNDERSLAB VAPOR RETARDER - SEE SPECIFICATIONS
  - 03-03 CONCRETE SLAB ON GRADE - SEE STRUCTURAL
  - 03-04 ROCK BASE - PER GEOTECH RECOMMENDATIONS
  - 03-09 COMPOSITE CONCRETE DECK - SEE STRUCTURAL
  - 03-11 FOUNDATION DRAIN, AS OCCURS - SEE CIVIL AND GEOTECHNICAL RECOMMENDATION
  - 04-06 REINFORCED UNIT MASONRY
  - 05-04 STEEL DECKING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
  - 05-07 VIVA CUBE HANDRAIL/GUARDRAIL - SEE DETAIL 10/A7.5
  - 07-02 BATT INSULATION
  - 07-03 RIGID INSULATION
  - 07-08 METAL WALL PANEL
  - 07-10 SINGLE PLY ROOFING SYSTEM - SEE DETAIL 1/A8.1
  - 09-03 GYPSUM BOARD SHEATHING
  - 09-08 FLOOR FINISH PER FINISH PLAN
  - 09-10 FLOOR BASE, PER FINISH PLANS
  - 09-11 SURE-BOARD SHEATHING
  - 09-22 CEILING ASSEMBLY AND HEIGHT, PER CEILING PLANS
  - 32-01 CONCRETE SIDEWALK - SEE CIVIL
  - 32-02 ASPHALT - SEE CIVIL

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Revision Schedule	
Revision Delta	Issue Date

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**WALL SECTIONS**

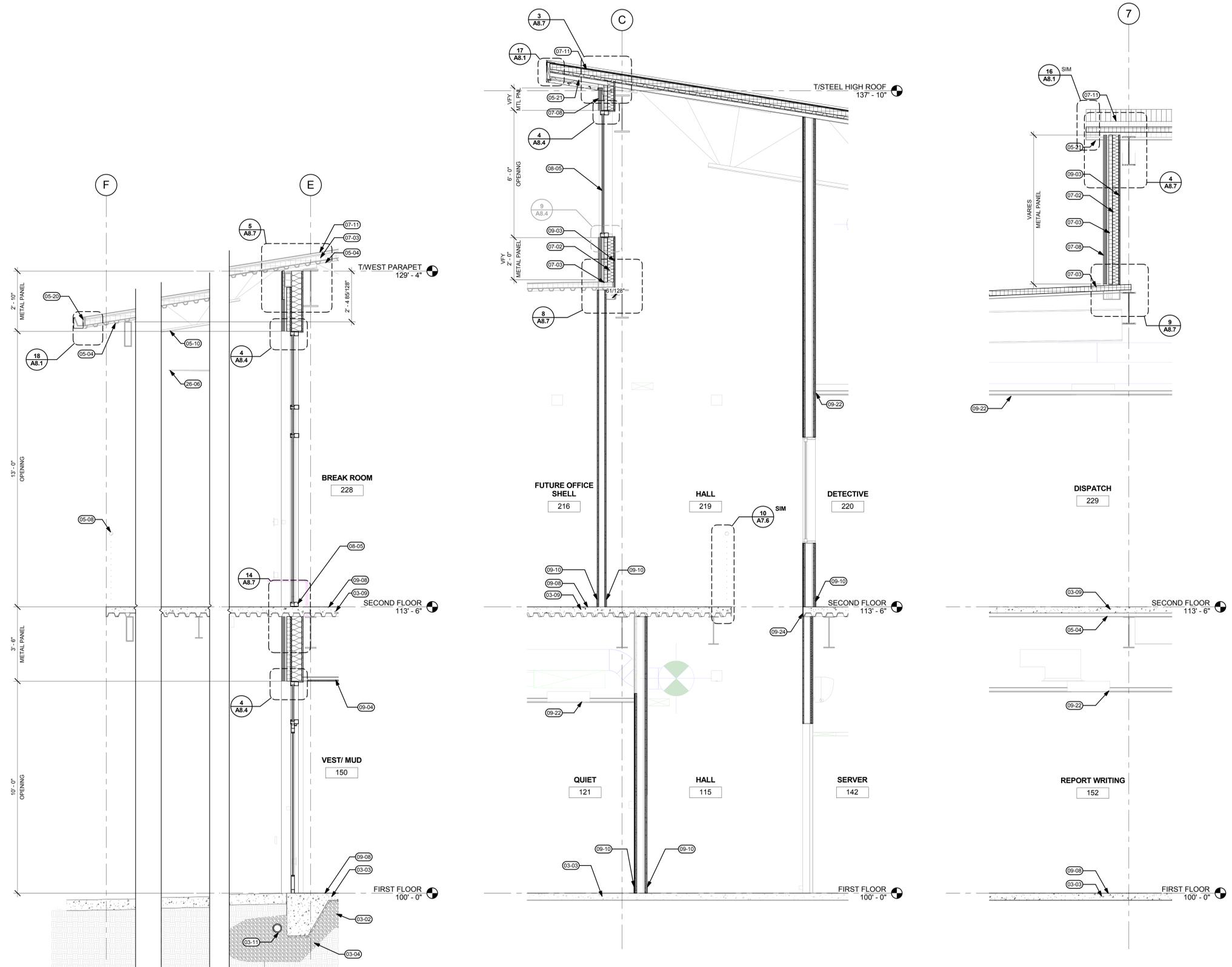
DRAWN BY: MHB

CHECKED BY: CPC

SHEET

**A4.3**

JOB NO. 2140284.02



**1 WALL SECTION**  
A4.4 1/2" = 1'-0"

**2 WALL SECTION**  
A4.4 1/2" = 1'-0"

**3 WALL SECTION**  
A4.4 1/2" = 1'-0"

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- SEE SHEET A8\_ FOR TYPICAL EXTERIOR WALL ASSEMBLIES

**KEYNOTES**

03-02	UNDERSLAB VAPOR RETARDER - SEE SPECIFICATIONS	09-04	SUSPENDED ACOUSTICAL CEILING SYSTEM
03-03	CONCRETE SLAB ON GRADE - SEE STRUCTURAL DRAWINGS	09-06	FLOOR FINISH PER FINISH PLAN
03-04	ROOF BASE - PER GEOTECH RECOMMENDATIONS	09-10	FLOOR BASE, PER FINISH PLANS
03-09	COMPOSITE CONCRETE DECK - SEE STRUCTURAL DRAWINGS	09-22	CEILING ASSEMBLY AND HEIGHT, PER CEILING PLANS
03-11	FOUNDATION DRAIN, AS OCCURS - SEE CIVIL AND GEOTECHNICAL RECOMMENDATION	09-24	GYPSON BOARD SHEATHING RUNS CONTINUOUS PAST SLAB EDGE
04-06	REINFORCED UNIT MASONRY	26-06	HAUKU 84 EXTERIOR CEILING FAN - SEE ELECTRICAL DRAWINGS
04-08	STRUCTURAL MASONRY BOND BEAM	32-01	CONCRETE SIDEWALK - SEE CIVIL DRAWINGS
05-04	STEEL DECKING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL DRAWINGS		
05-08	VIVA CUBE GUARDRAIL - SURFACE MOUNTED, SEE DETAIL 5/A7.5		
05-10	WESTERN WIREWORKS METAL MESH SCREEN 12 GA. VENEZIAN WATERWAYS 1" ATTACHED TO UNDERSIDE OF STRUCTURE - SEE DTL XXX		
05-20	6" INTEGRAL GALVANIZED STEEL GUTTER W/ MIN. 1/8" PER FOOT SLOPE. COORDINATE CONNECTION W/ PLUMBING AND CIVIL		
05-21	METAL SOFFIT PANEL		
07-02	BATT INSULATION		
07-03	RIGID INSULATION		
07-08	METAL WALL PANEL		
07-11	SINGLE PLY W/DECOR PROFILE ROOF ASSEMBLY @ 18" OC - SEE DETAIL 1/A8.1		
08-04	SLIDING GLASS DOOR - SEE DOOR SCHEDULE		
08-05	ALUMINUM-FRAMED STOREFRONT SYSTEM - SEE GLAZING SCHEDULE		
09-03	GYPSON BOARD SHEATHING		

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**Revision Schedule**

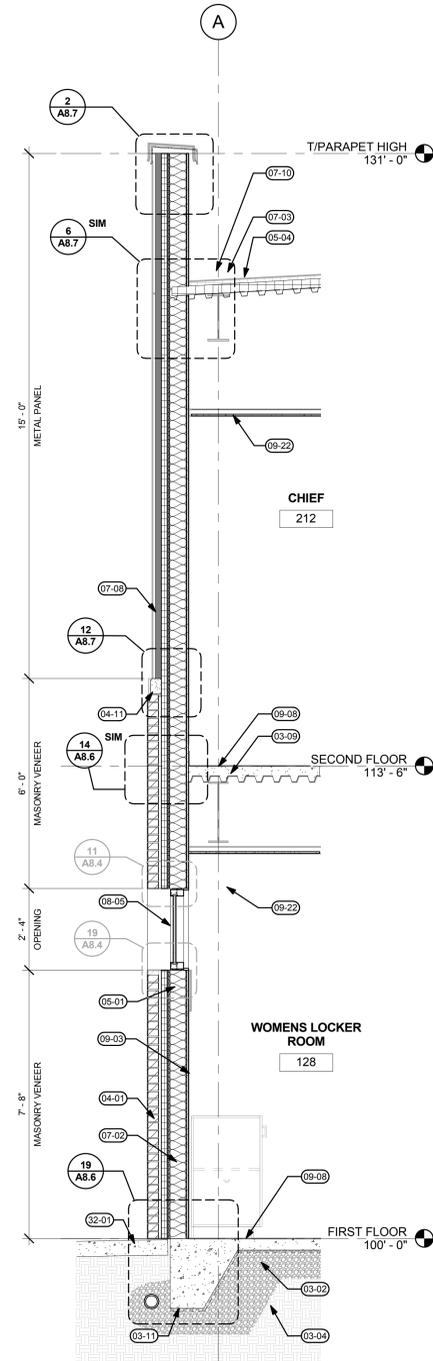
Revision Delta	Issue Date

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**WALL SECTIONS**

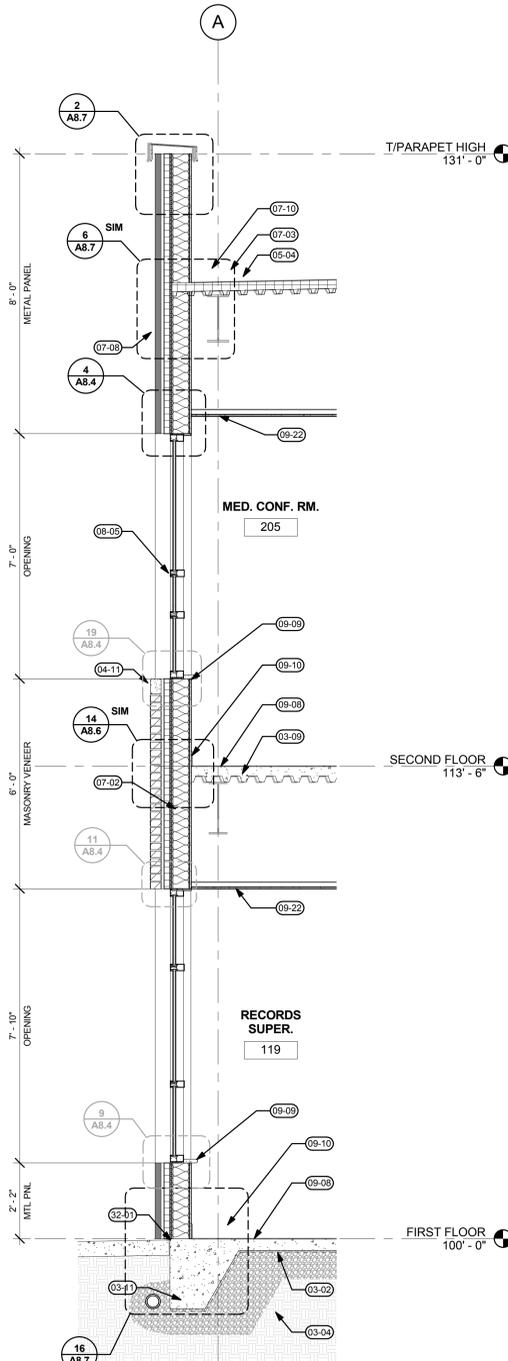
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SHEET

**A4.4**

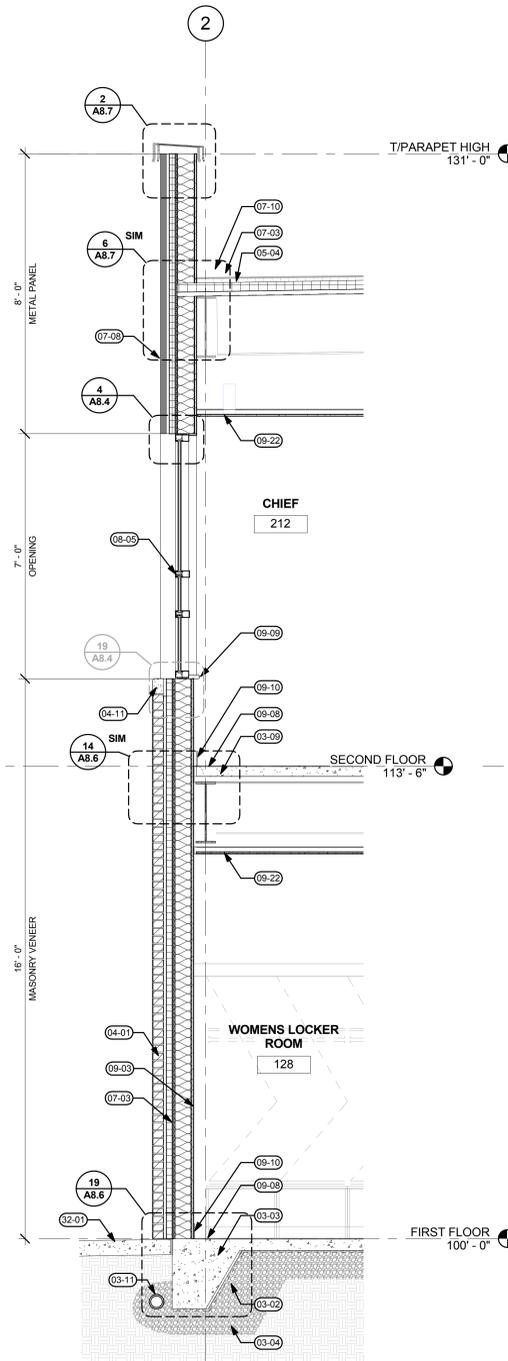
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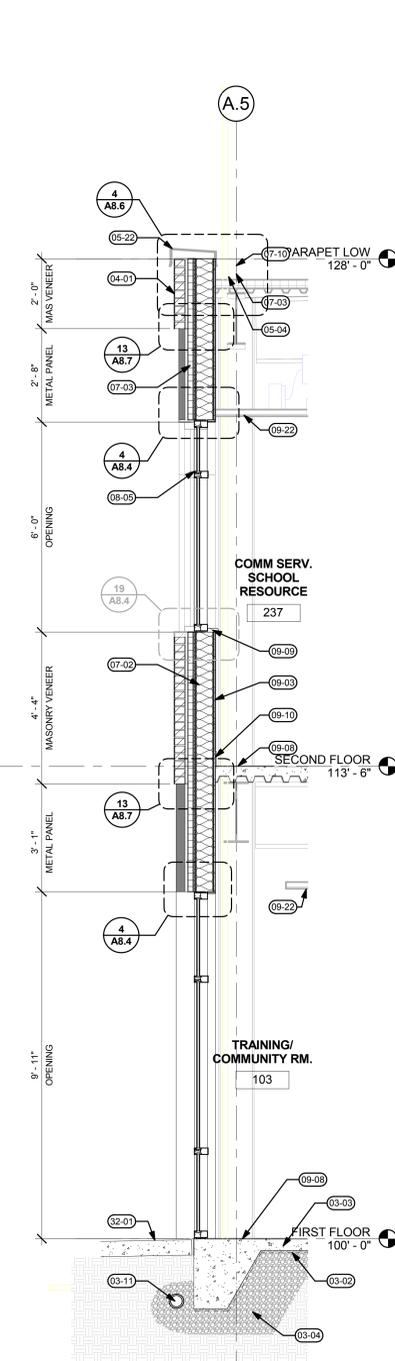
**1 WALL SECTION**  
 A4.5 1/2" = 1'-0"



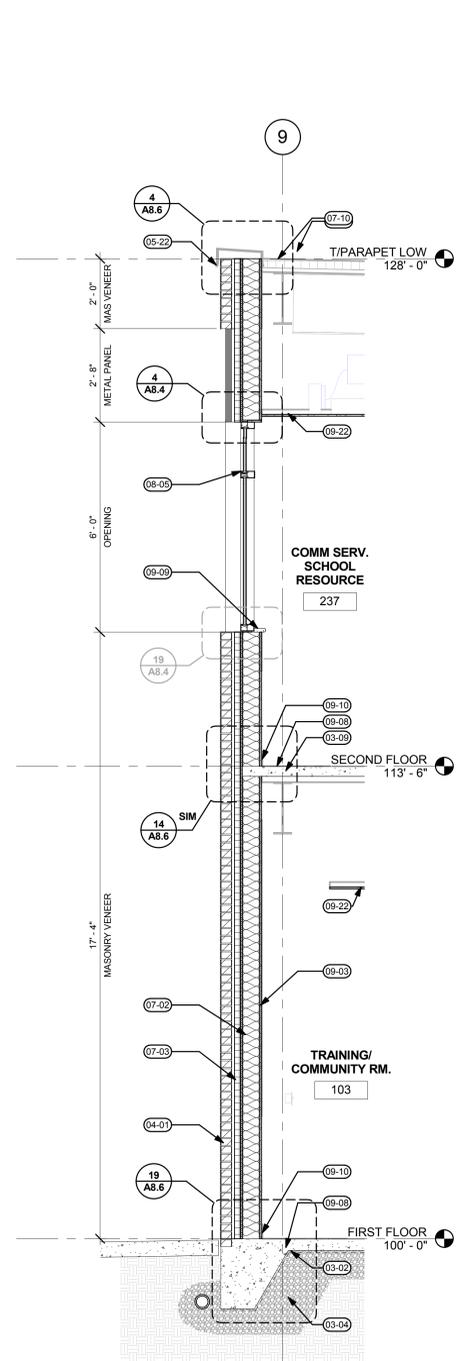
**2 WALL SECTION**  
 A4.5 1/2" = 1'-0"



**3 WALL SECTION**  
 A4.5 1/2" = 1'-0"



**4 WALL SECTION**  
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- KEYNOTES**
- UNDERSLAB VAPOR RETARDER - SEE SPECIFICATIONS
  - CONCRETE SLAB ON GRADE - SEE STRUCTURAL
  - ROCK BASE - PER GEOTECH RECOMMENDATIONS
  - COMPOSITE CONCRETE DECK - SEE STRUCTURAL
  - FOUNDATION DRAIN, AS OCCURS - SEE CIVIL AND GEOTECHNICAL RECOMMENDATION
  - MASONRY VENEER
  - MASONRY SILL BLOCK - SEE DTL 20A8.4, COLOR REDONDO GREY
  - STRUCTURAL STEEL FRAMING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
  - STEEL DECKING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
  - METAL COPING TO MATCH METAL WALL PANEL
  - BATT INSULATION
  - RIGID INSULATION
  - METAL WALL PANEL
  - SINGLE PLY ROOFING SYSTEM - SEE DETAIL 1/A8.1
  - ALUMINUM-FRAMED STOREFRONT SYSTEM - SEE GLAZING SCHEDULE
  - GYPSUM BOARD SHEATHING
  - SUSPENDED ACOUSTICAL CEILING SYSTEM
  - FLOOR FINISH PER FINISH PLAN
  - MOF SILL, PAINTED
  - FLOOR BASE, PER FINISH PLANS
  - CEILING ASSEMBLY AND HEIGHT, PER CEILING PLANS
  - CONCRETE SIDEWALK - SEE CIVIL

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**WALL SECTIONS**

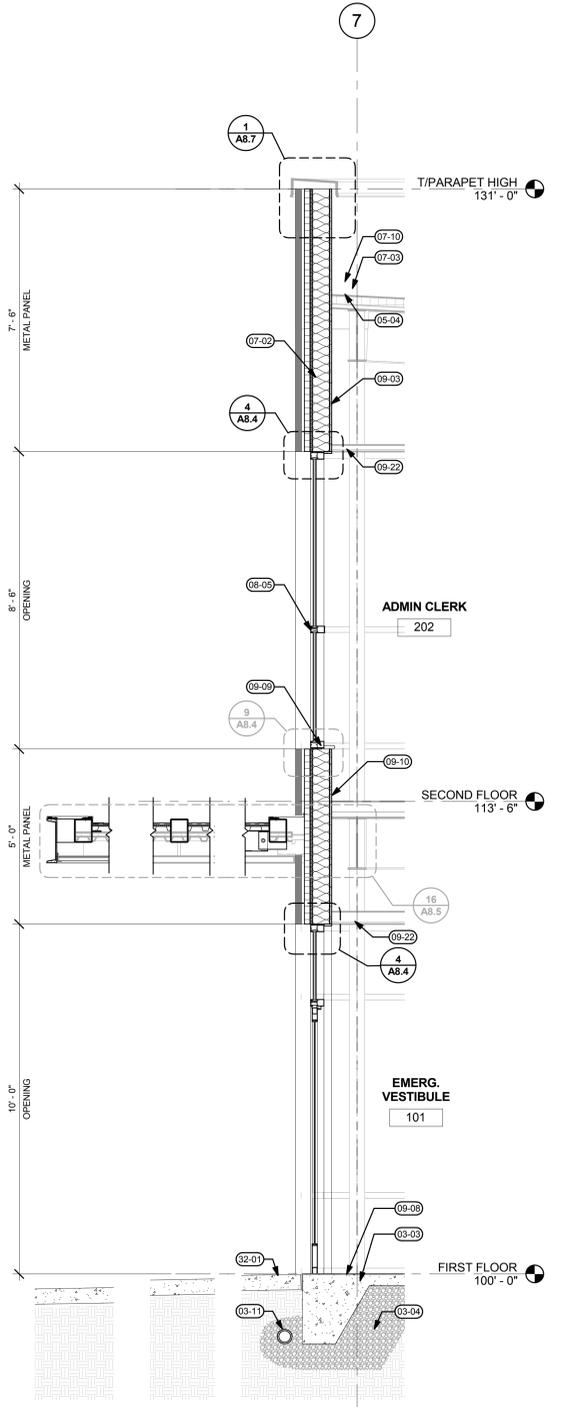
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SHEET

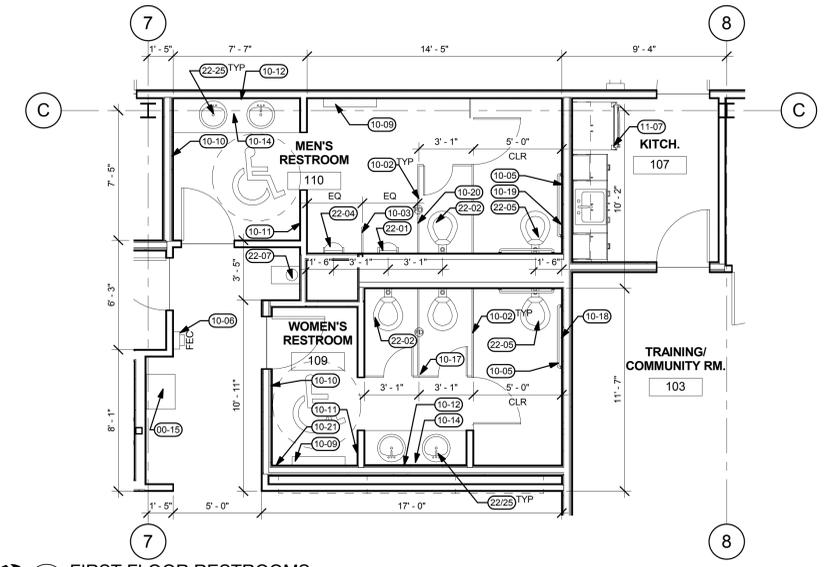
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JOB NO. 2140284.02

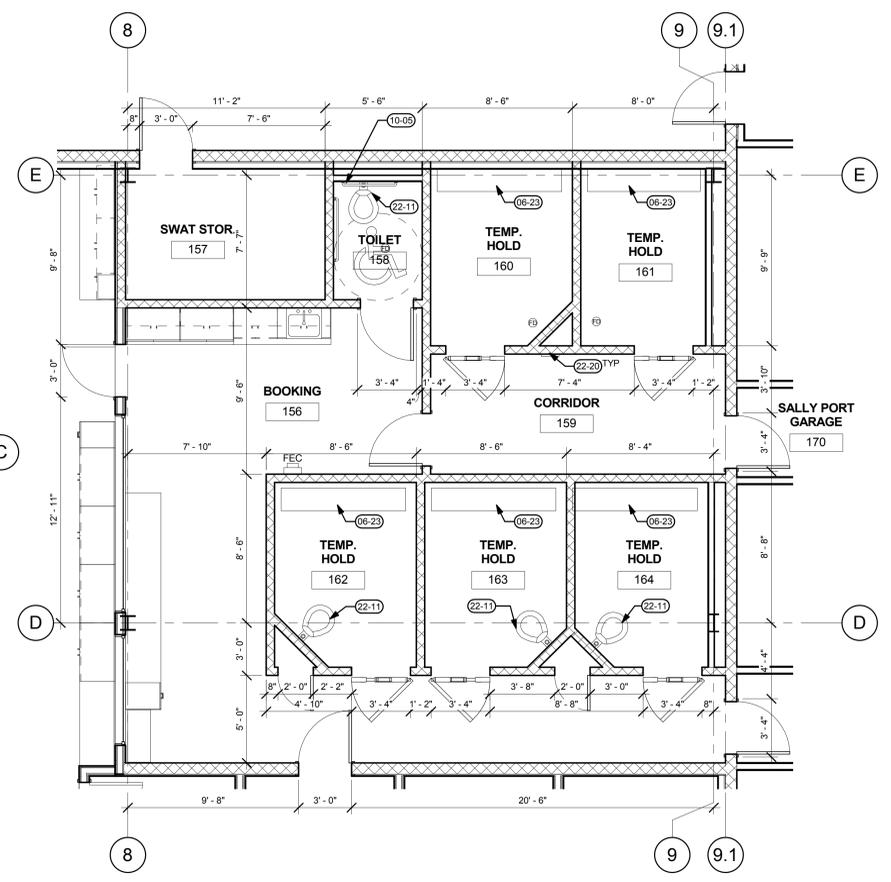




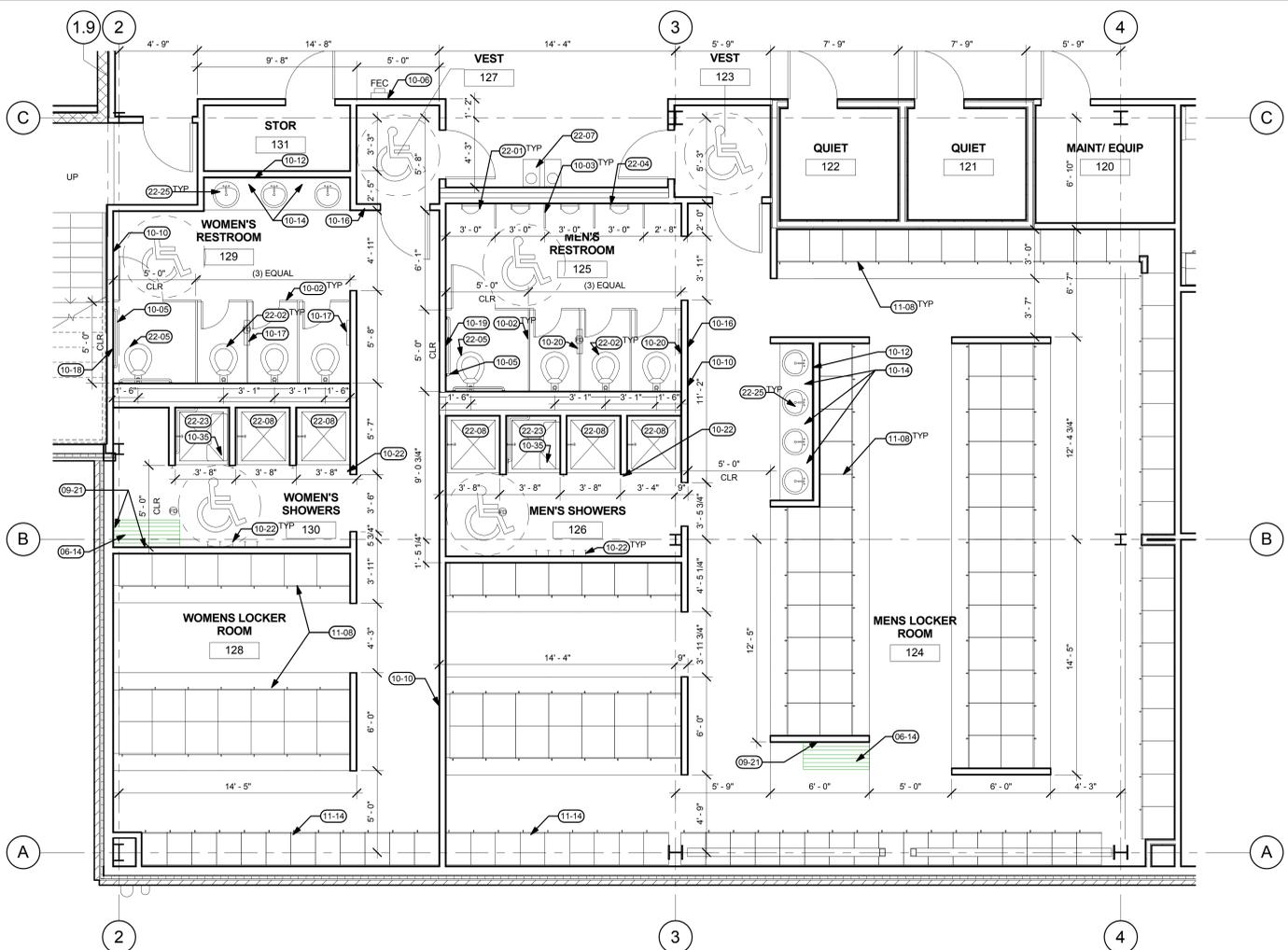
Revision Schedule	
Revision	Issue Date
Delta	



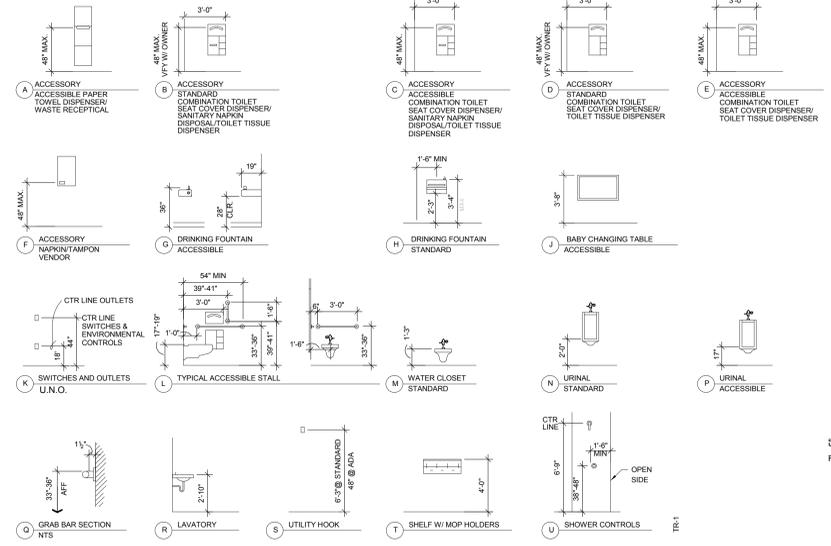
5 FIRST FLOOR RESTROOMS  
 1/4" = 1'-0"



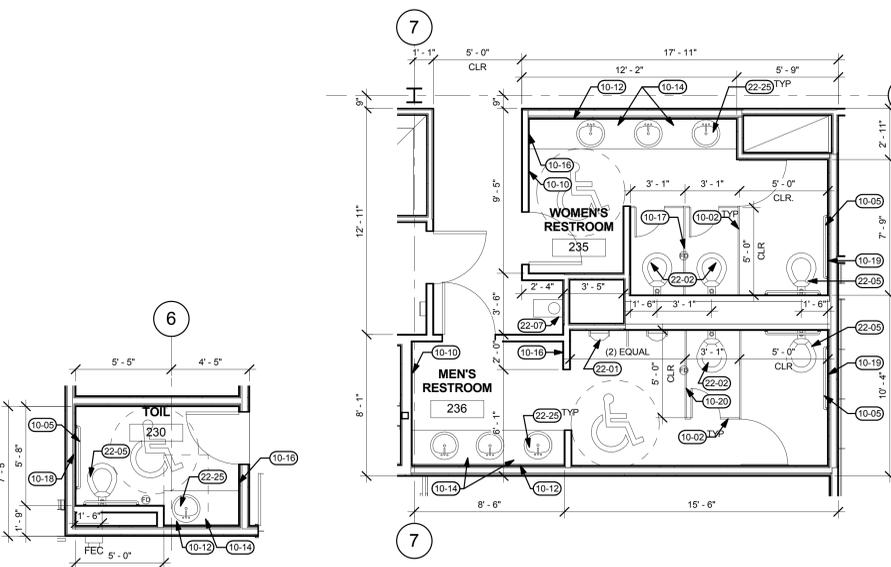
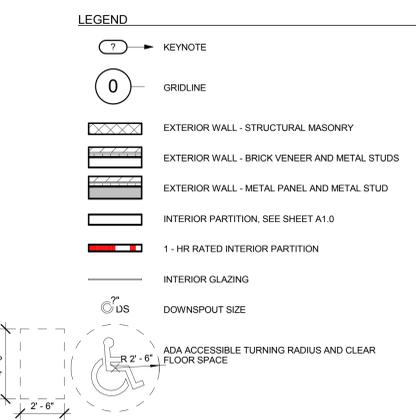
19 TEMPORARY HOLDING / BOOKING  
 1/4" = 1'-0"



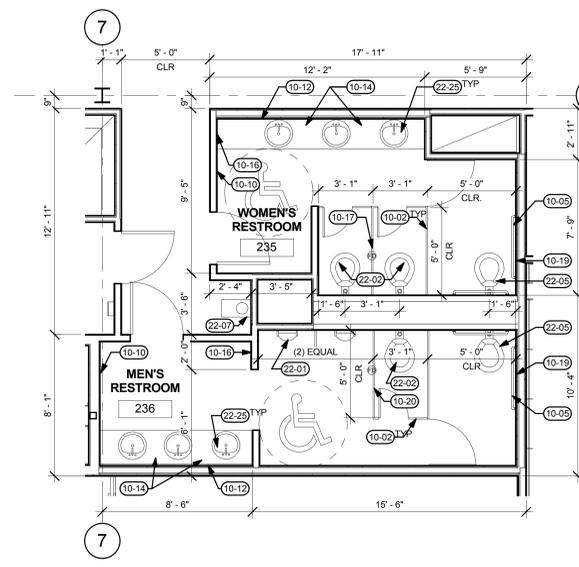
1 LOCKER ROOMS  
 1/4" = 1'-0"



16 TOILET FIXTURES AND ACCESSORIES  
 3/16" = 1'-0"



17 DISPATCH TOILET ROOM  
 1/4" = 1'-0"



18 SECOND FLOOR RESTROOMS  
 1/4" = 1'-0"

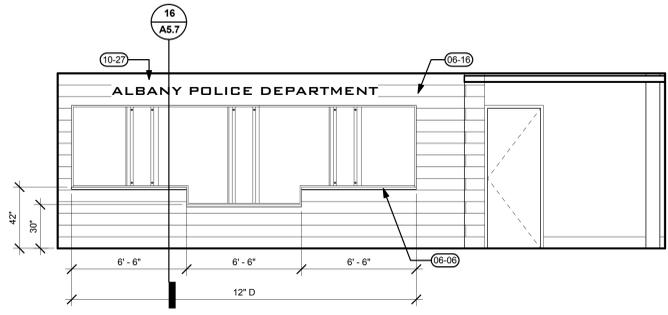
**GENERAL NOTES**

- A. SEE ELEVATIONS FOR EXTERIOR WINDOW TYPE DESIGNATION
- B. SEE FURNITURE AND EQUIPMENT PLANS FOR ADDITIONAL INFORMATION
- C. DIMENSIONS REFLECT FACE OF FINISH UNLESS NOTED OTHERWISE
- D. WALL THICKNESSES ARE ACTUAL UNLESS NOTED OTHERWISE
- E. SEE SHEET A1.0 FOR WALL TYPE DEFINITION AND STANDARD DETAILS. WALLS ARE PIA UNO.
- F. SEE FINISH PLAN FOR CASEWORK AND FINISH RELATED INFORMATION
- G. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND LAYOUT INFORMATION PRIOR TO START OF WORK. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS
- H. REFER TO ENLARGED PLANS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENT OVER PLANS OF SMALLER SCALE
- I. DOORS NOT DIMENSIONED ARE TO BE LOCATED 4" FROM FACE OF WALL TO OUTSIDE EDGE OF JAMB, TYPICAL
- J. CONTRACTOR TO PROVIDE ADEQUATE GYPSUM BOARD CONTROL JOINTS AS REQUIRED THROUGHOUT ENTIRE BUILDING, INTERIOR AND EXTERIOR
- K. PROVIDE BLOCKING AS REQUIRED ADJACENT TO FIRE EXTINGUISHERS FOR OWNER INSTALLED AED STATIONS
- L. REFERENCE DOOR SCHEDULE FOR DOOR TYPE DESIGNATION AND ADD'L INFORMATION
- M. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN THE CIVIL DRAWINGS. FINISH GRADE VARIES AT BUILDING PERIMETER CONDITIONS. REFERENCE CIVIL DRAWINGS FOR ADD'L INFORMATION
- N. DIMENSIONS MARKED "CLR" (CLEAR) ARE FROM FINISH SURFACE TO FINISH SURFACE. DIMENSIONS ADJACENT TO LATCH SIDE OF DOORS (IF PROVIDED) INDICATE ACCESSIBLE CLEARANCES REQUIRED BETWEEN THE CLEAR DOOR OPENING AND THE ADJACENT FINISH
- O. WHERE FURNITURE AND EQUIPMENT IS INDICATED IT IS PROVIDED FOR REFERENCE ONLY. COORDINATE INSTALLATION AND EXACT PLACEMENT WITH VENDOR AND OWNER PRIOR TO INSTALLATION.

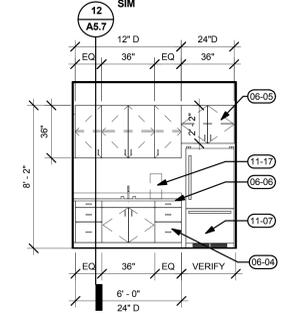
**KEYNOTES**

- 00-15 DRUG DISPOSAL RECEPTACLE, OFOI
- 00-22 1X8 WOOD BASE, STAIN
- 06-14 WOOD BENCH - SEE DTL 7/A5.8
- 06-23 STAINLESS STEEL BENCH WITH STAINLESS STEEL EYE BOLT
- 09-21 STAINLESS STEEL WALL COVER TO 48" AFF
- 10-02 TOILET PARTITION
- 10-03 URINAL SCREEN
- 10-05 GRAB BARS - SEE L/16/A5.1
- 10-06 RECESSED FIRE EXTINGUISHER CABINET - SEE 11/A1.1
- 10-09 RECESSED BABY CHANGING STATION, SEE J/16/A5.1
- 10-10 WALL MOUNTED MIRRORS, BOTTOM @ 1'-8" AFF
- 10-11 HAND DRYERS, SEE ELECTRICAL
- 10-12 UNFRAMED MIRROR - EXTEND FULL LENGTH OF COUNTER, BOTTOM AT 40" AFF - TOP OF MIRROR AT 7'-0" AFF
- 10-14 COUNTER MOUNTED SOAP DISPENSER - TYPICAL
- 10-16 ADA ACCESSIBLE RECESSED PAPER TOWEL DISPENSER/ TRASH RECEPTACLE - SEE A/16/A5.1
- 10-17 STANDARD COMBINATION TOILET SEAT COVER DISPENSER/ SANITARY NAPKIN DISPOSAL/ TOILET TISSUE DISPENSER - SEE B/16/A5.1
- 10-18 ADA ACCESSIBLE COMBINATION TOILET SEAT COVER DISPENSER/ SANITARY NAPKIN DISPOSAL/ TOILET TISSUE DISPENSER - SEE C/16/A5.1
- 10-19 ADA ACCESSIBLE COMBINATION TOILET SEAT COVER DISPENSER/ TOILET TISSUE DISPENSER - SEE E/16/A5.1
- 10-20 STANDARD COMBINATION TOILET SEAT COVER DISPENSER/ TOILET TISSUE DISPENSER - SEE D/16/A5.1

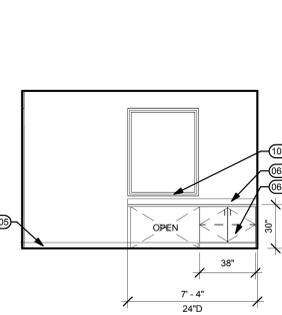
- 10-21 ADA ACCESSIBLE NAPKIN/ TAMPON VENDOR - SEE F/16/A5.1
- 10-22 UH-1 TOWEL HOOKS - SEE S/16/A5.1 - PROVIDE (1) HOOK AT ADA HEIGHT - PROVIDE BLOCKING AS REQUIRED. PROVIDE (1) AT EACH SHOWER STALL.
- 10-26 ADA ACCESSIBLE FOLDING SHOWER BENCH
- 11-07 REFRIGERATOR, OFCI
- 11-08 DUTY LOCKERS W/ INTEGRAL BENCH/FOOT LOCKER, FINISH WOOD TO MATCH ARCHITECT SAMPLE
- 11-14 LOCKERS, PROVIDE BLOCKING AS REQUIRED - COORDINATE INSTALLATION W/ VENDOR
- 22-01 STANDARD URINAL - SEE N/16/A5.1 AND PLUMBING
- 22-02 STANDARD WATER CLOSET - SEE M/16/A5.1 AND PLUMBING
- 22-04 ADA ACCESSIBLE URINAL - SEE DETAIL P/16/A5.1 AND PLUMBING
- 22-05 ADA ACCESSIBLE WATER CLOSET - SEE L/16/A5.1 AND PLUMBING
- 22-07 DRINKING FOUNTAINS - SEE G&H/16/A5.1 AND PLUMBING
- 22-08 PRE-MANUFACTURED FIBERGLASS SHOWER - SEE U/16/A5.1 AND PLUMBING
- 22-11 PENAL GRADE WATER CLOSET - SEE DETAIL M/16/A5.1 AND PLUMBING
- 22-20 REMOTE FLUSH FLOOR DRAIN - SEE PLUMBING FOR LOCATIONS
- 22-23 ADA ACCESSIBLE FIBERGLASS SHOWER - SEE PLUMBING
- 22-25 COUNTER MOUNTED LAVATORY - SEE R/16/A5.1 & 12/A5.8



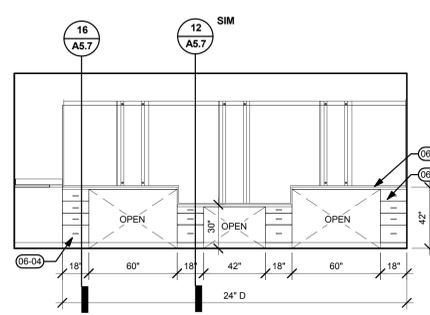
1 LOBBY 102 SOUTH  
A5.4 1/4" = 1'-0"



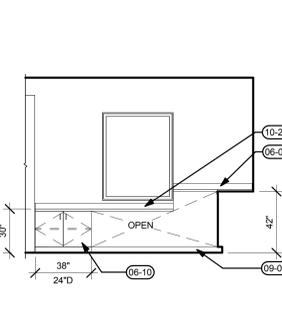
2 KITCHEN 107 SOUTH  
A5.4 1/4" = 1'-0"



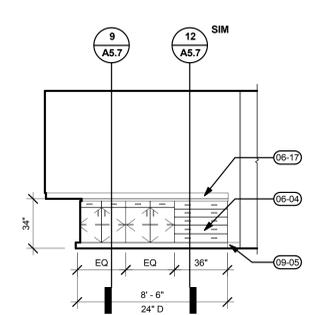
3 INT./RCV. 114 EAST  
A5.4 1/4" = 1'-0"



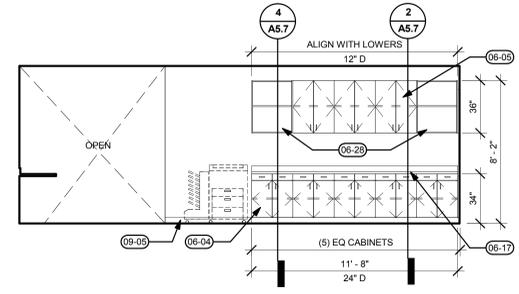
4 RECORDS 116 NORTH  
A5.4 1/4" = 1'-0"



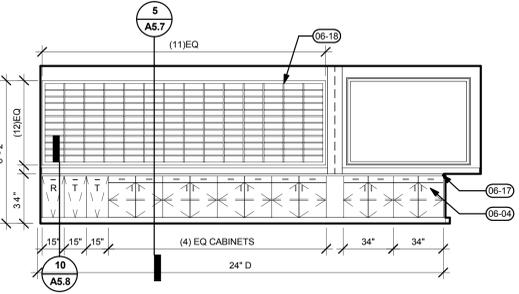
5 RECORDS 116 WEST  
A5.4 1/4" = 1'-0"



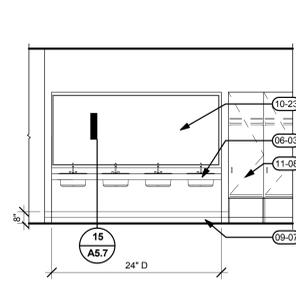
6 COPY/WORK ROOM 117 NORTH  
A5.4 1/4" = 1'-0"



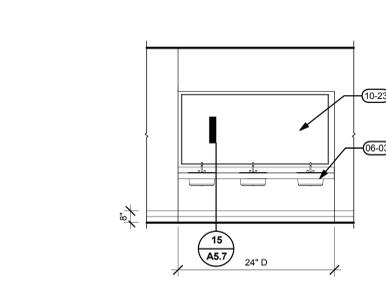
7 COPY/WORK ROOM 117 EAST  
A5.4 1/4" = 1'-0"



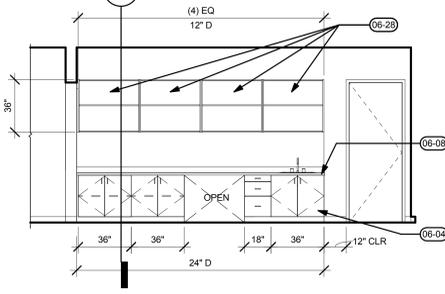
8 COPY/WORK ROOM 117 WEST  
A5.4 1/4" = 1'-0"



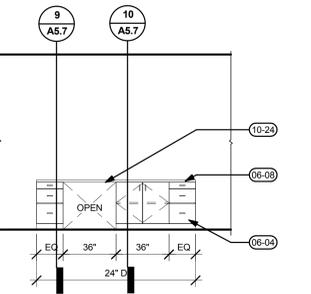
9 MENS LOCKER ROOM 124 NORTH  
A5.4 1/4" = 1'-0"



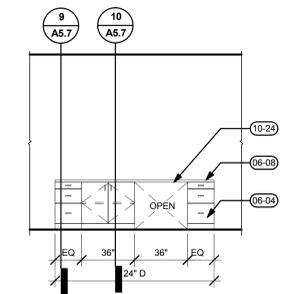
10 WOMENS SHOWERS 130 WEST  
A5.4 1/4" = 1'-0"



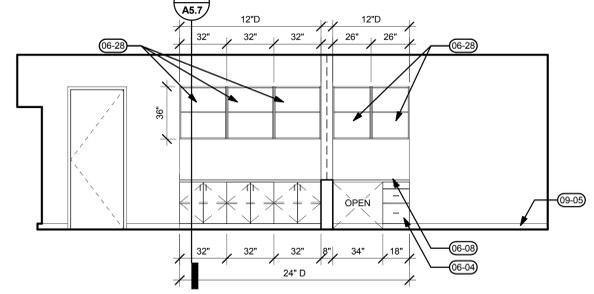
11 TECH LAB 133 WEST  
A5.4 1/4" = 1'-0"



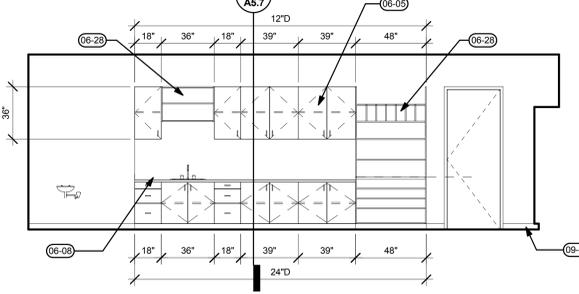
12 TECH LAB ISLAND 133 EAST  
A5.4 1/4" = 1'-0"



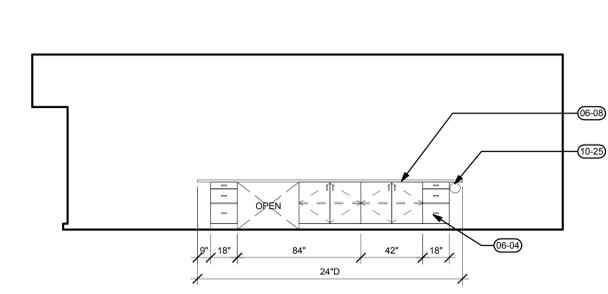
13 TECH LAB ISLAND 133 WEST  
A5.4 1/4" = 1'-0"



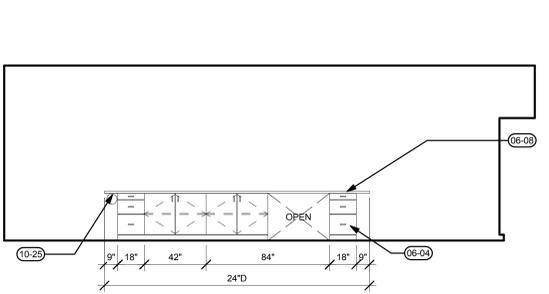
14 OFFICER EVID. PROCESSING 138 EAST  
A5.4 1/4" = 1'-0"



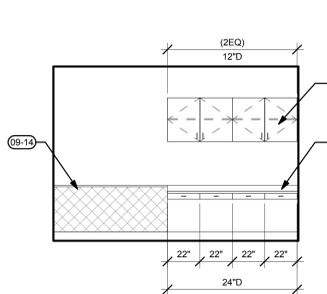
15 OFFICER EVID. PROCESSING 138 WEST  
A5.4 1/4" = 1'-0"



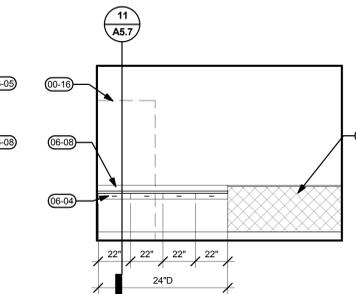
16 OFFICER EVID. PROCESSING ISLAND 138 EAST  
A5.4 1/4" = 1'-0"



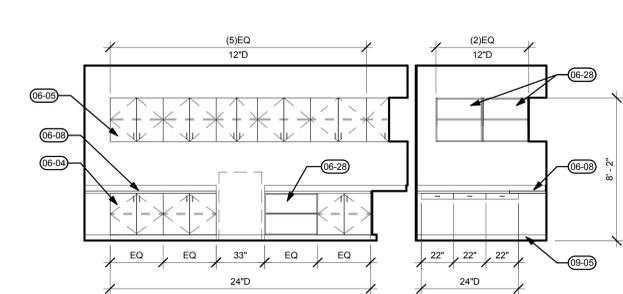
17 OFFICER EVID. PROCESSING ISLAND 138 WEST  
A5.4 1/4" = 1'-0"



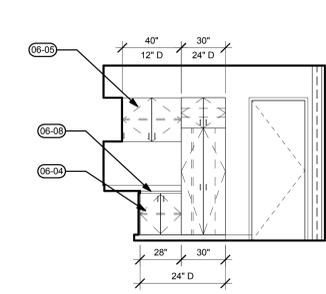
18 CONTAIN/PRINT 139 NORTH  
A5.4 1/4" = 1'-0"



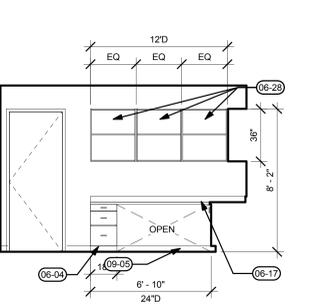
19 CONTAIN/PRINT 139 SOUTH  
A5.4 1/4" = 1'-0"



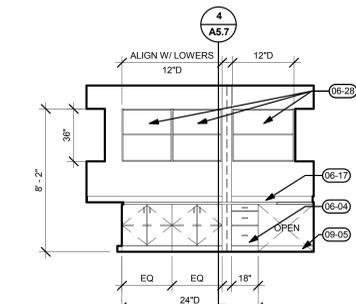
20 ARMORY 145 SOUTH  
A5.4 1/4" = 1'-0"



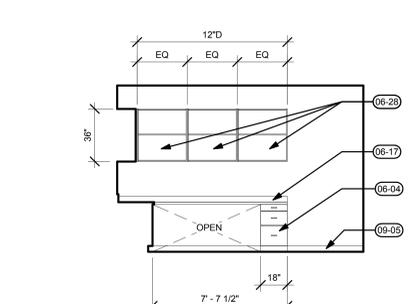
21 ARMORY 145 WEST  
A5.4 1/4" = 1'-0"



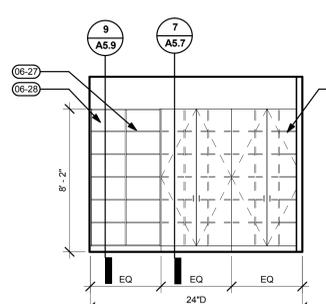
22 IT WORK ROOM 146 NORTH  
A5.4 1/4" = 1'-0"



23 IT WORK ROOM 146 EAST  
A5.4 1/4" = 1'-0"



24 IT WORK ROOM 146 SOUTH  
A5.4 1/4" = 1'-0"



25 VEST/MUD 150 SOUTH  
A5.4 1/4" = 1'-0"

- KEYNOTES**
- 00-16 DOOR IN OPEN POSITION
  - 06-03 SOLID SURFACE COUNTERTOP (SS-1)
  - 06-04 PLASTIC LAMINATE BASE CABINET (PL-1)
  - 06-05 PLASTIC LAMINATE UPPER CABINET (PL-1)
  - 06-06 SOLID SURFACE COUNTERTOP (SS-2)
  - 06-08 STAINLESS STEEL COUNTERTOP + BACKSPLASH
  - 06-10 PLASTIC LAMINATE BASE CABINET, DOORS FLUSH WITH FACE OF WALL (PL-1)
  - 06-16 1X8 TERRA MAI RECLAIMED WOOD PANEL
  - 06-17 PLASTIC LAMINATE COUNTERTOP AND BACKSPLASH (PL-2)
  - 06-18 PLASTIC LAMINATE MAIL SLOTS WITH MOVABLE HORIZONTAL DIVIDERS AND FIXED VERTICAL DIVIDERS (PL-4 AT ALL INTERIOR SURFACES, PL-1 AT ALL EXTERIOR SURFACES AND FRONT EDGES)
  - 06-27 ADJUSTABLE SHELF
  - 06-28 PLASTIC LAMINATE CABINET, PL-4 AT ALL INTERIOR SURFACES, PL-1 AT ALL EXTERIOR SURFACES AND FRONT EDGES.
  - 09-05 RUBBER BASE (4H)
  - 09-07 8" TILE BASE T-1
  - 09-14 FIBER REINFORCED PANEL (FRP-1), WITH METAL TRIP CAP
  - 10-23 STAINLESS STEEL CHANNEL FRAMED MIRROR (FULL WIDTH OF COUNTER X TO 8'2" H)
  - 10-24 GROMMET (VERIFY LOCATION WITH OWNER PRIOR TO FABRICATION)
  - 10-25 BUTCHER PAPER ROLL (OFO)
  - 10-27 RAISED CAST METAL LETTERS
  - 10-28 DIP TRAY
  - 11-07 REFRIGERATOR, OFCI
  - 11-08 DUTY LOCKERS W/ INTEGRAL BENCH/FOOT LOCKER, FINISH WOOD TO MATCH ARCHITECT SAMPLE
  - 11-17 PLUMBED COFFEE MAKER (OFO)

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**INTERIOR ELEVATIONS**

DRAWN BY: KDD  
CHECKED BY: DMR

SHEET

**A5.4**

JOB NO. 2140284.02



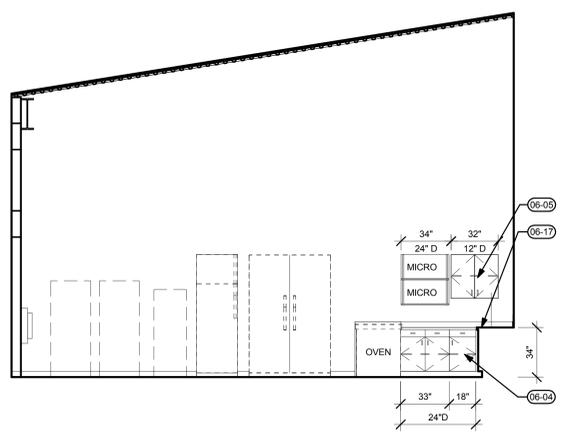
Revision Schedule	
Revision Delta	Issue Date

**KEYNOTES**

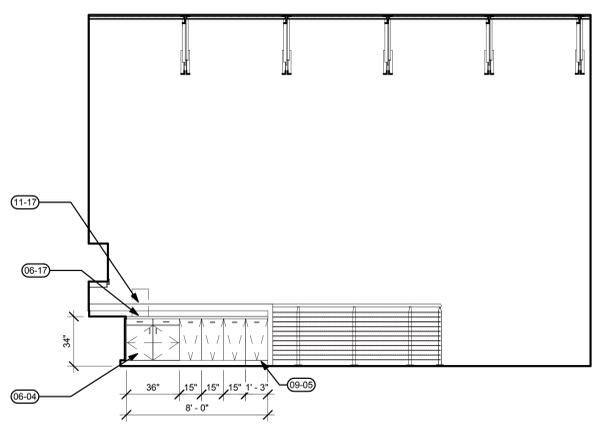
- 06-16 DOOR IN OPEN POSITION
- 06-04 PLASTIC LAMINATE BASE CABINET (PL-1)
- 06-05 PLASTIC LAMINATE UPPER CABINET (PL-1)
- 06-11 PEGBOARD (36"W X 48"H)
- 06-17 PLASTIC LAMINATE COUNTERTOP AND BACKSPASH (PL-2)
- 06-18 PLASTIC LAMINATE MAIL SLOTS WITH MOVABLE HORIZONTAL DIVIDERS AND FIXED VERTICAL DIVIDERS (PL-4 AT ALL INTERIOR SURFACES, PL-1 AT ALL EXTERIOR SURFACES AND FRONT EDGES)
- 06-20 STAINLESS STEEL COUNTERTOP AND BASE CABINETS - LOCKING AND BACKSPASH
- 06-24 STAINLESS STEEL UPPER CABINETS - LOCKING
- 06-26 UNDER CABINET WITH WIRE MESH PANEL
- 06-28 PLASTIC LAMINATE CABINET, PL-4 AT ALL INTERIOR SURFACES, PL-1 AT ALL EXTERIOR SURFACES AND FRONT EDGES.
- 09-05 RUBBER BASE (4"H)
- 09-21 STAINLESS STEEL WALL COVER TO 48" AFF
- 09-27 1 1/2" HEIGHT VINYL LETTERING AT EACH CABINET
- 10-24 GROMMET (VERIFY LOCATION WITH OWNER PRIOR TO FABRICATION)
- 10-36 HASP LOCK WITH METAL NUMBER TAG, TYP
- 10-37 HASP LOCK, TYP
- 11-17 PLUMBED COFFEE MAKER (OFOI)



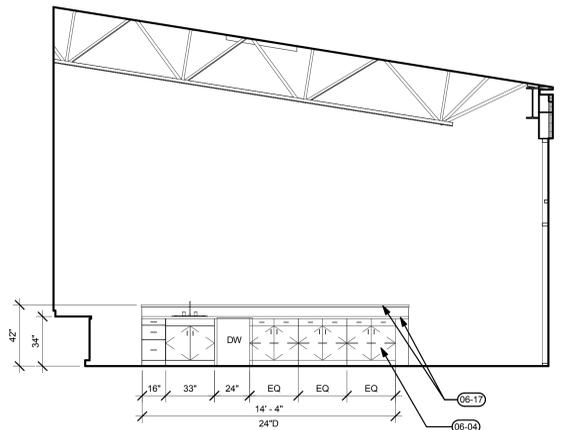
Revision Schedule	
Revision Delta	Issue Date



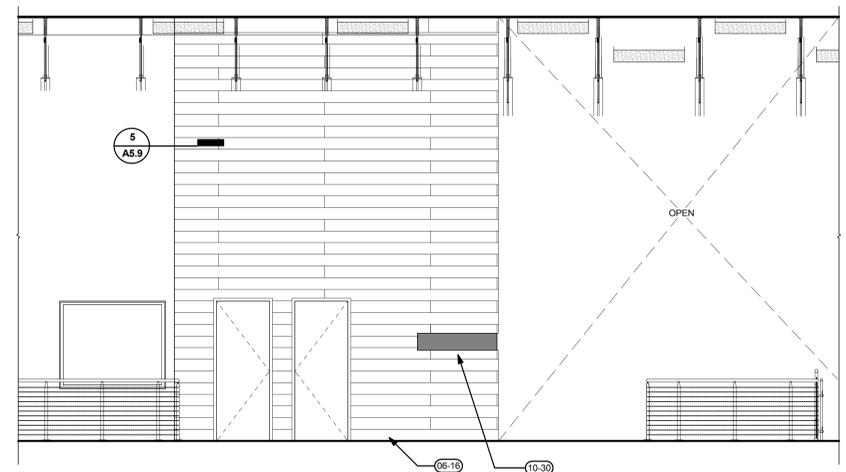
**1 BREAK ROOM 228 NORTH**  
 A5.6 1/4" = 1'-0"



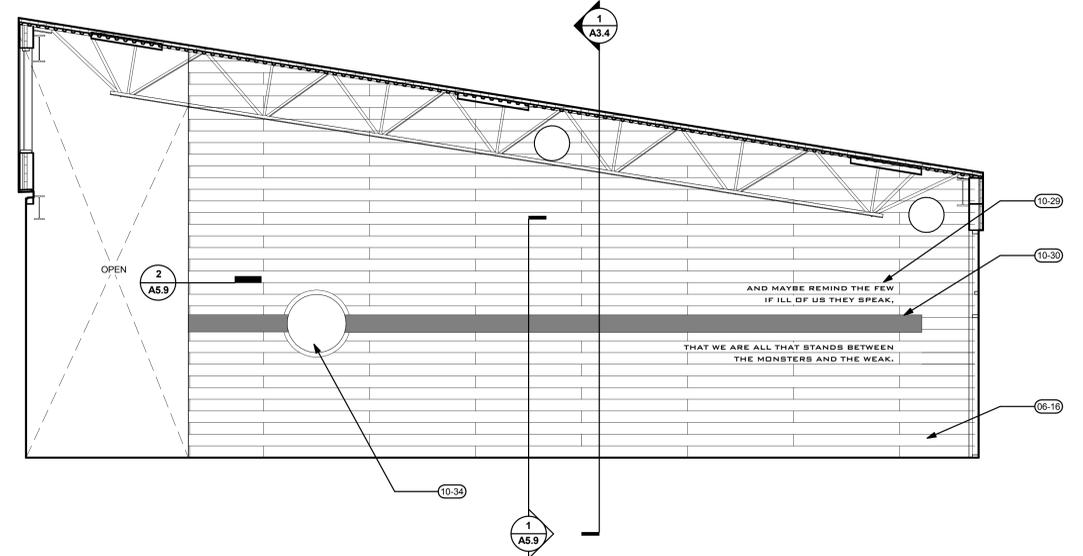
**2 BREAK ROOM 228 EAST**  
 A5.6 1/4" = 1'-0"



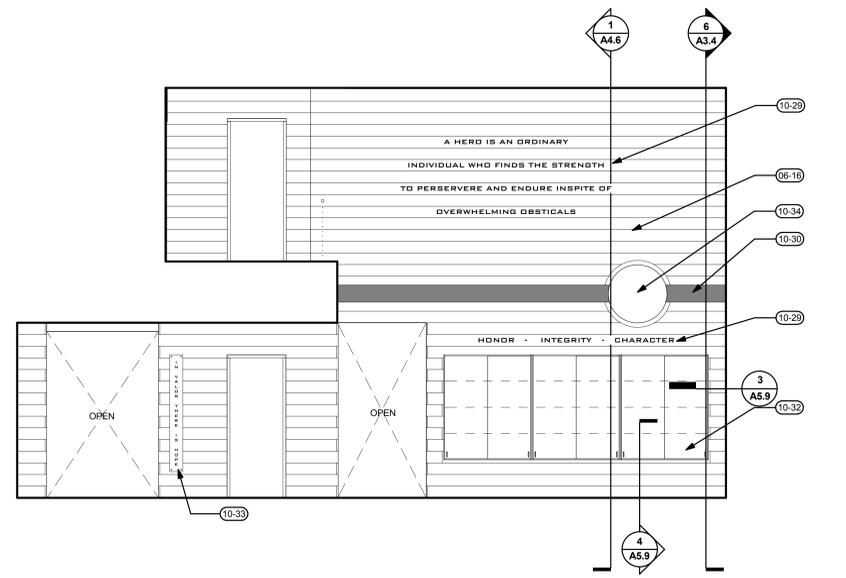
**3 BREAK ROOM 228 SOUTH**  
 A5.6 1/4" = 1'-0"



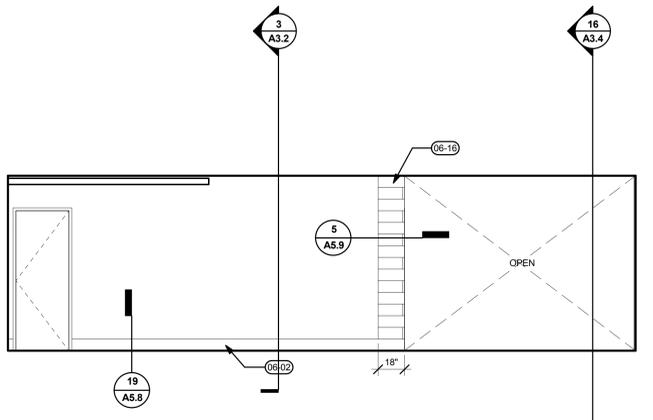
**4 HALL 219 -WEST**  
 A5.6 1/4" = 1'-0"



**5 BREAK ROOM 228 -SOUTH**  
 A5.6 1/4" = 1'-0"

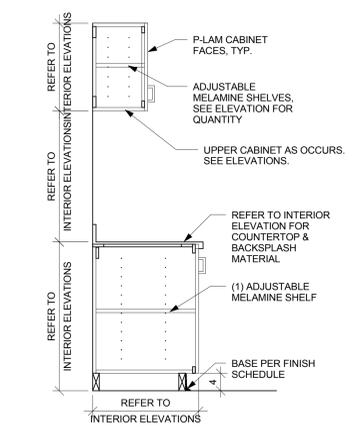


**6 LOBBY/COMM. RM BREAKOUT - WEST**  
 A5.6 1/4" = 1'-0"

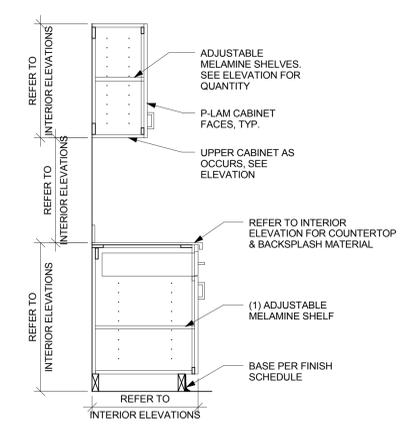


**7 LOBBY COMM. RM BREAKOUT 102 - NORTH**  
 A5.6 1/4" = 1'-0"

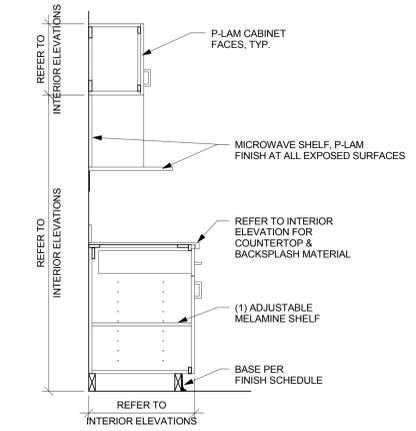
- KEYNOTES**
- 06-02 1X8 WOOD BASE, STAIN
  - 06-04 PLASTIC LAMINATE BASE CABINET (PL-1)
  - 06-05 PLASTIC LAMINATE UPPER CABINET (PL-1)
  - 06-16 1X8 TERRA MAI RECLAIMED WOOD PANEL
  - 06-17 PLASTIC LAMINATE COUNTERTOP AND BACKSPLASH (PL-2)
  - 09-05 RUBBER BASE (4" H)
  - 10-29 1/2" RECESSED ROUTED LETTERS (BLACKENED)
  - 10-30 GWB WALL, P-3, LED "TAPE" LIGHT @ TOP + BOTTOM
  - 10-32 DISPLAY CASE WITH LOCKING GLASS SLIDING DOORS
  - 10-33 OLD RUBBED BRONZE METAL PLATE WITH CUT-OUT LETTERS, STAND-OFF AT EACH CORNER, LED LIGHT BEHIND
  - 10-34 MULTI-DIMENSION CAST PLAQUE ON STAND OFFS (ALBANY PD LOGO) (FINAL DESIGN TO BE APPROVED BY OWNER)
  - 11-17 PLUMBED COFFEE MAKER (OFO)



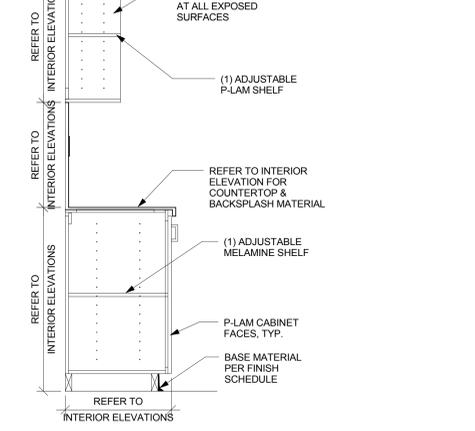
**1 CABINET SECTION**  
A5.7 3/4" = 1'-0"



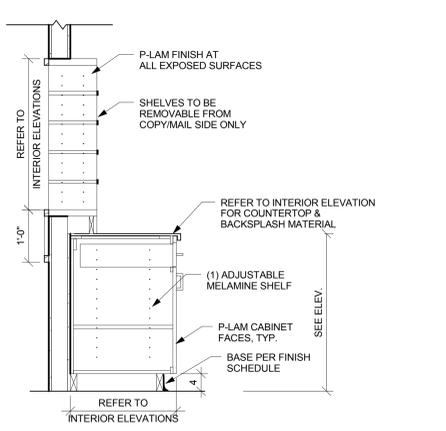
**2 CABINET SECTION**  
A5.7 3/4" = 1'-0"



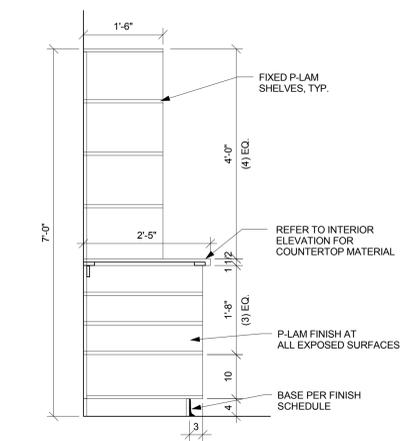
**3 CABINET SECTION WITH MICROWAVE SHELF**  
A5.7 3/4" = 1'-0"



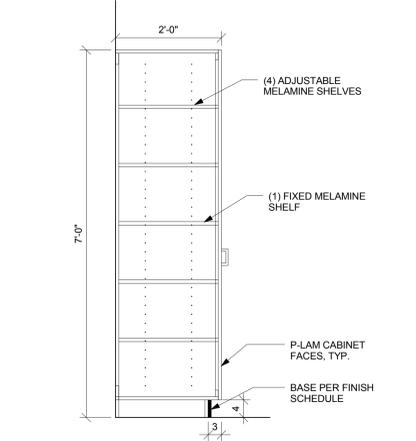
**4 CABINET SECTION WITH UPPER OPEN SHELVING**  
A5.7 3/4" = 1'-0"



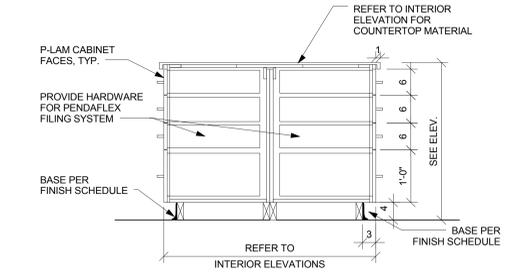
**5 CABINET SECTION WITH UPPER SHELVES**  
A5.7 3/4" = 1'-0"



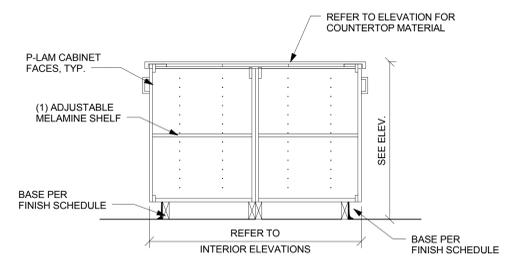
**6 CABINET SECTION WITH OPEN SHELVES**  
A5.7 3/4" = 1'-0"



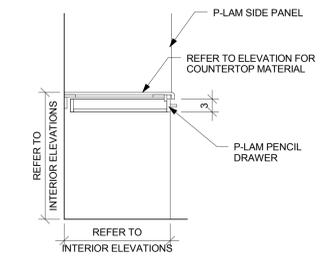
**7 FULL HEIGHT CABINET SECTION**  
A5.7 3/4" = 1'-0"



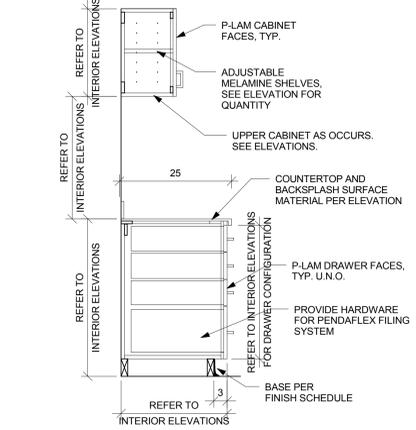
**9 ISLAND SECTION**  
A5.7 3/4" = 1'-0"



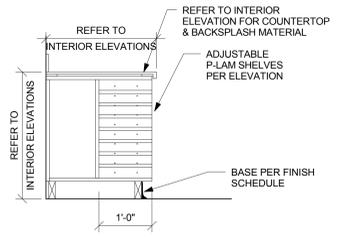
**10 ISLAND SECTION 2**  
A5.7 3/4" = 1'-0"



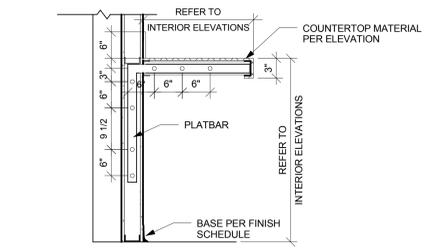
**11 WORKSTATION SECTION**  
A5.7 3/4" = 1'-0"



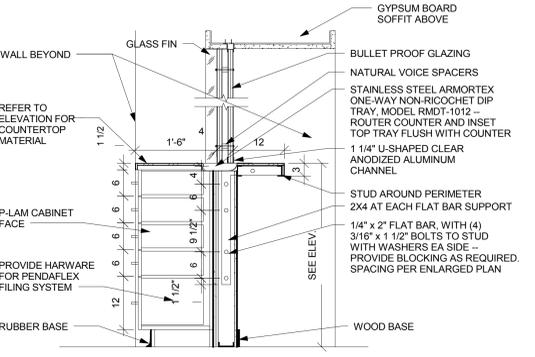
**12 CABINET SECTION W/ LOWER DRAWERS**  
A5.7 3/4" = 1'-0"



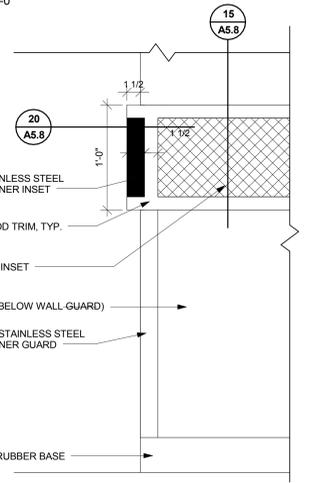
**13 CABINET WITH SIDE DRAWERS**  
A5.7 3/4" = 1'-0"



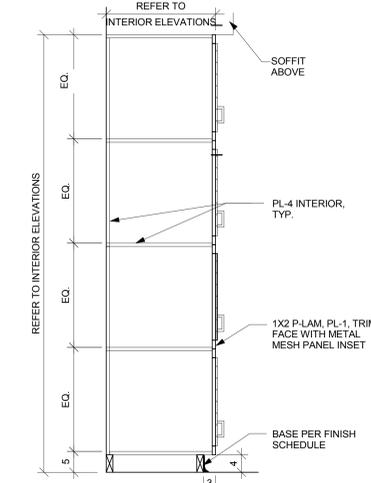
**15 COUNTER SECTION**  
A5.7 3/4" = 1'-0"



**16 RECEPTION COUNTER**  
A5.7 3/4" = 1'-0"



**17 GUN RAIL ELEVATION**  
A5.7 1 1/2" = 1'-0"



**19 CUBBIES SECTION**  
A5.7 3/4" = 1'-0"

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Revision Schedule	
Revision Delta	Issue Date

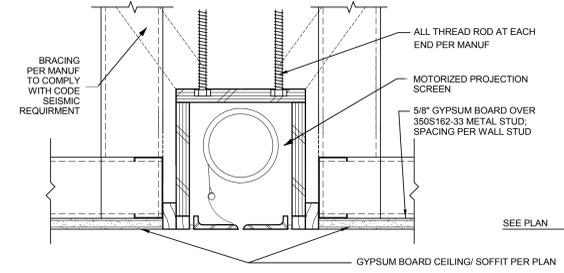
SHEET TITLE:  
**CASEWORK DETAILS**

DRAWN BY: KDD  
CHECKED BY: DMR

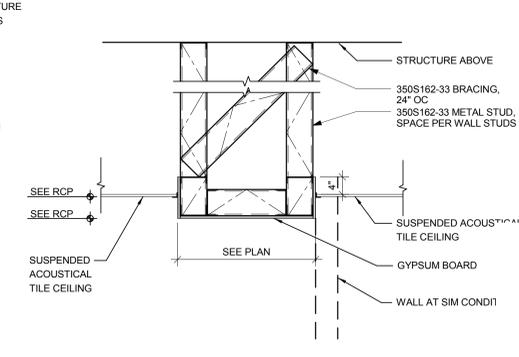
SHEET

**A5.7**

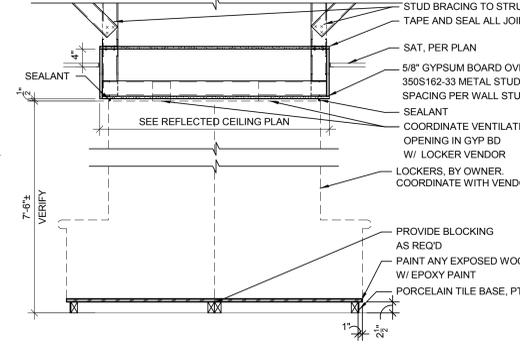
JOB NO. 2140284.02



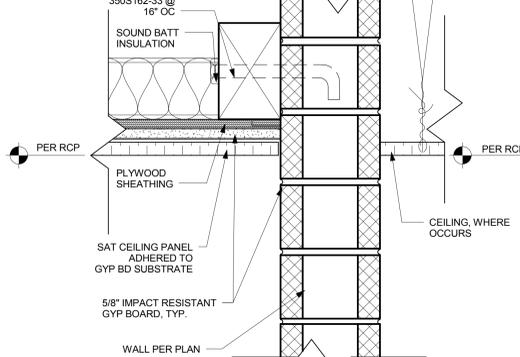
5 PROJECTOR SCREEN  
3\"/>



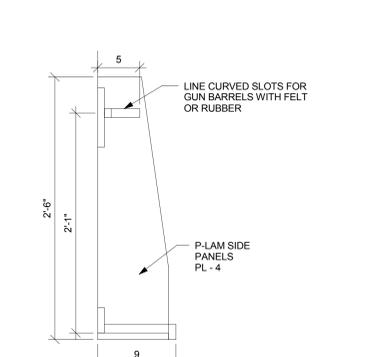
4 SOFFIT @ PASS-THRU EVIDENCE LOCKERS  
3/4\"/>



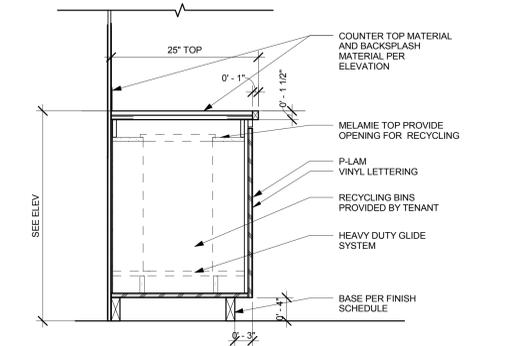
3 SOFFIT AT DUTY LOCKERS  
3/4\"/>



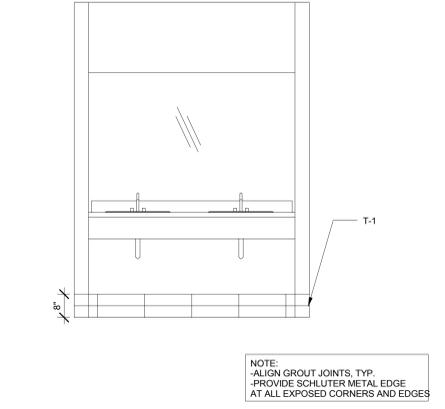
2 PLYWOOD CEILING @ BOOKING/ HOLDING CELLS  
3\"/>



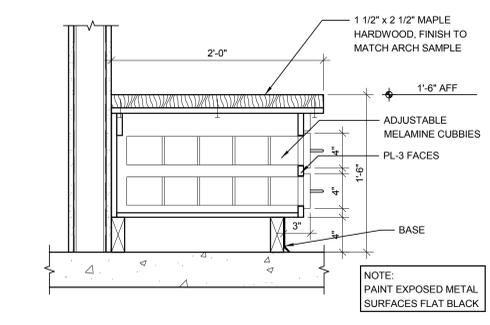
1 GUN RACK SECTION  
1 1/2\"/>



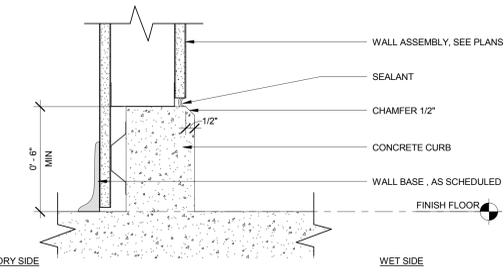
10 CABINET SECTION W/ RECYCLING BIN  
1\"/>



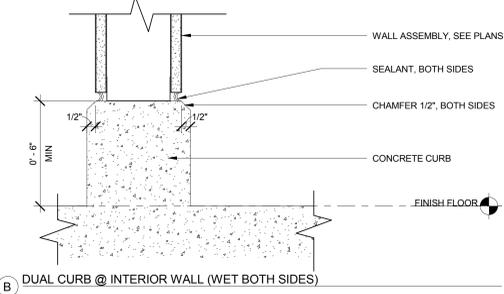
8 A8.3/8 - TYPICAL WALL TILE ELEVATION  
1/2\"/>



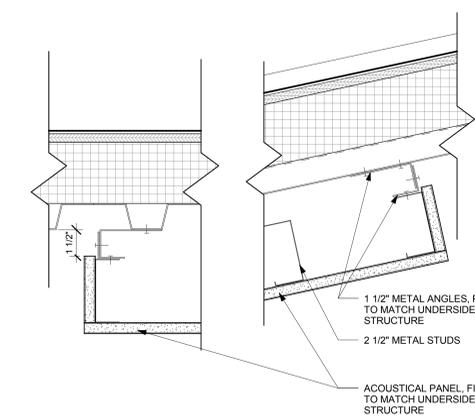
7 BENCH-WOOD  
1 1/2\"/>



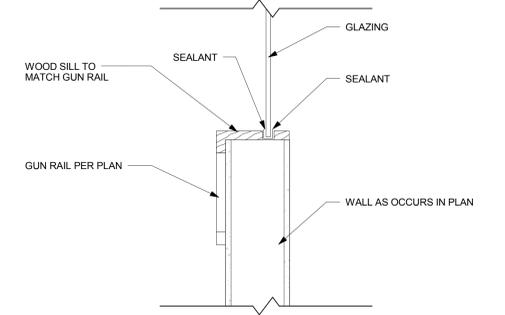
A TYPICAL CURB @ INTERIOR WALL



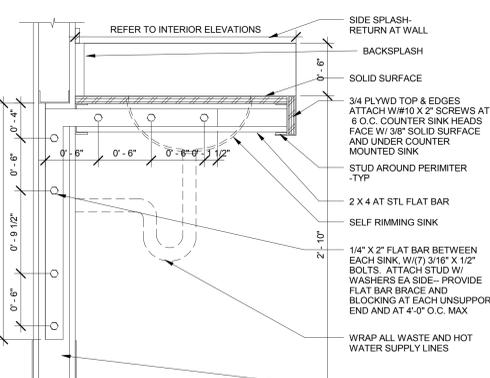
B DUAL CURB @ INTERIOR WALL (WET BOTH SIDES)



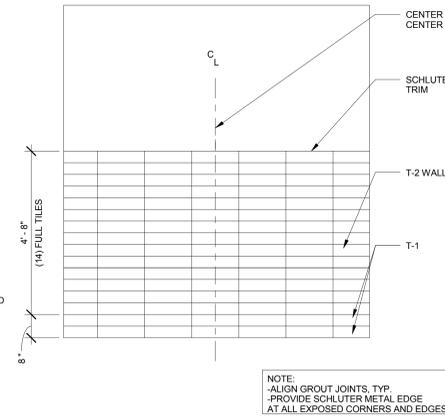
14 ACOUSTIC CEILING PANEL  
3\"/>



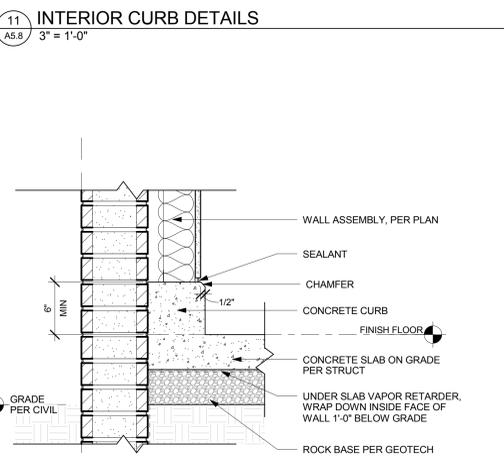
15 SECTION - GUN RAIL AT INTERIOR GLAZING  
1 1/2\"/>



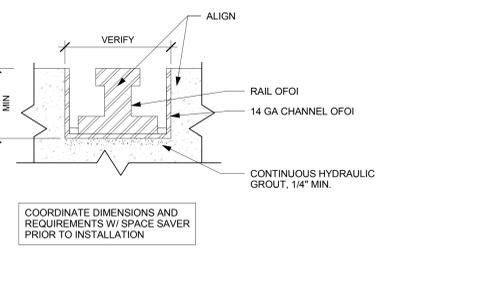
12 LAVATORY SECTION  
1 1/2\"/>



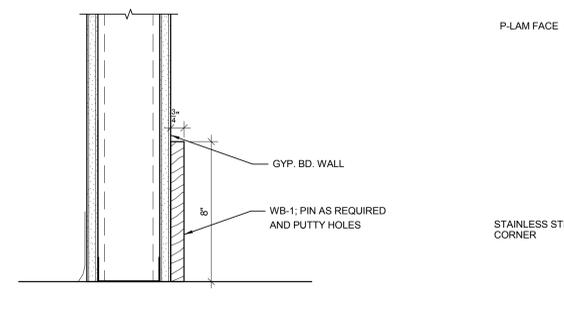
13 TYPICAL WALL TILE ELEVATION 2  
1/2\"/>



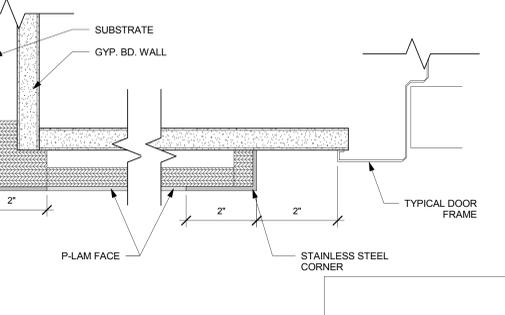
11 INTERIOR CURB DETAILS  
3\"/>



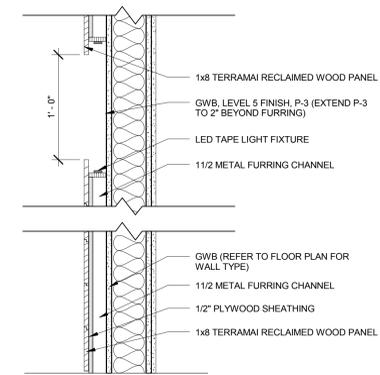
17 HIGH CAPACITY SHELVING RECESSED RAIL  
6\"/>



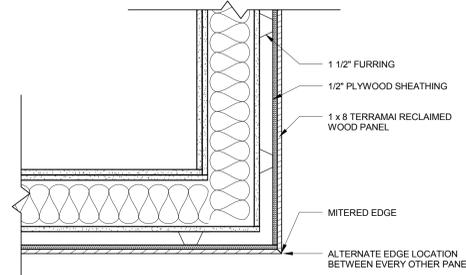
19 SECTION WOOD BASE  
3\"/>



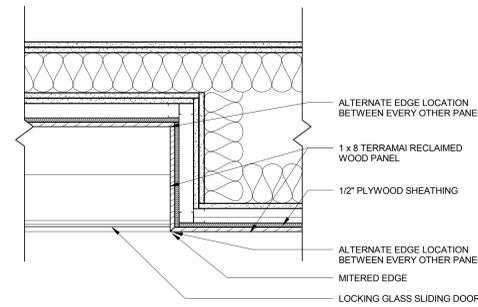
20 PLAN SECTION - GUN RAIL  
6\"/>



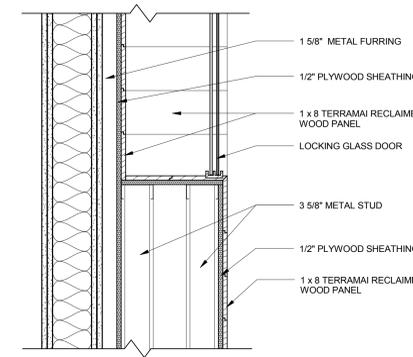
**1 WOOD WALL SECTION**  
1 1/2" = 1'-0"



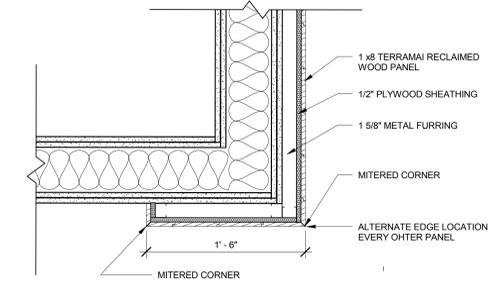
**2 WOOD WALL CORNER**  
1 1/2" = 1'-0"



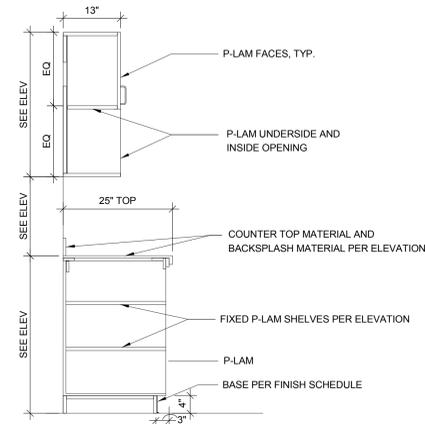
**3 DISPLAY WALL**  
1 1/2" = 1'-0"



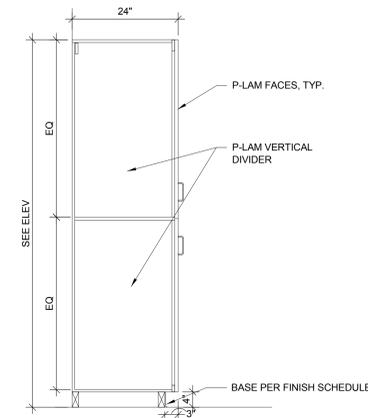
**4 DISPLAY WALL SECTION**  
1 1/2" = 1'-0"



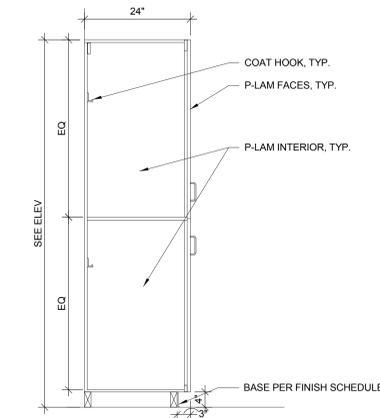
**5 WOOD WALL CORNER**  
1 1/2" = 1'-0"



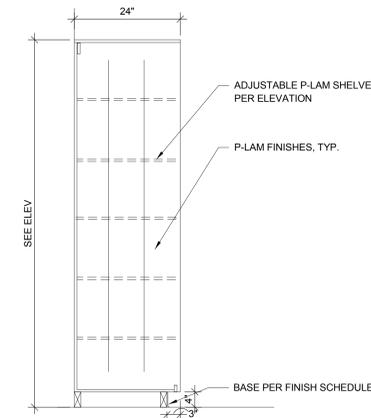
**6 CABINET SECTION W/ OPEN SHELVES**  
3/4" = 1'-0"



**7 TALL CABINET WITH DIVIDER**  
3/4" = 1'-0"



**8 TALL CABINET**  
3/4" = 1'-0"



**9 TALL OPEN CABINET**  
3/4" = 1'-0"



**1/A6.1 - FIRST FLOOR REFLECTED CEILING PLAN**  
A6.1 1/8" = 1'-0"

**REFLECTED CEILING PLAN LEGEND**

	WOOD - SEE DETAIL X/A5.8
	2 x 4 SUSPENDED ACOUSTICAL CEILING
	GYPSON BOARD
	OPEN TO STRUCTURE - PAINT P-2
	SECURITY CEILING: PLYWOOD CEILING WITH GYP. BD AND SAT SHEATHING - SEE DETAIL 2/A5.9
	METAL SOFFIT PANEL - SEE DETAIL XXX
	METAL MESH SCREEN - SEE DETAIL XXX

- GENERAL NOTES**
- ALL CEILINGS OTHER THAN THOSE OPEN TO STRUCTURE ARE TO BE @ 10'-0" AFF. U.N.O.
  - COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING. ADVISE ARCHITECT PROMPTLY OF CONFLICTS BETWEEN DISCIPLINES.
  - GYPSON BOARD CEILING TO BE PAINTED P-X, U.N.O. REFER TO SCHEDULE OF INTERIOR FINISHES FOR FURTHER INFORMATION.
  - INSTALL CEILING TILE AS REQUIRED FOR SPRINKLER HEADS AND SMOKE DETECTION.
  - SEE ELECTRICAL DRAWINGS FOR LUMINAIRE TYPES AND LAYOUT.
  - LIGHTING, MECHANICAL, PLUMBING AND ELECTRICAL SHOWN FOR REFERENCE ONLY.
  - AT AREAS OPEN TO STRUCTURE, PAINT METAL DECK, STRUCTURE AND FIRE SPRINKLER COMPONENTS P-X, U.N.O.
  - ALL WALL HEIGHTS AS DEFINED BY WALL TYPE.
  - CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF 2X4 SUSPENDED ACOUSTICAL TILE UNLESS OTHERWISE NOTED.
  - SUSPENDED ACOUSTICAL TILE CEILINGS ARE TO BE CENTERED WITHIN THE SPACE UNLESS OTHERWISE NOTED.
  - PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO: SPRINKLER HEADS, CONDUITS, ETC., OF SUFFICIENT SIZE TO ACCOMMODATE ONE (1) INCH OF LATERAL MOVEMENT IN EVERY DIRECTION OF ASSEMBLY PENETRATING CEILING PLANE. PROVIDE ESCUCHEON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
  - FULLY CONCEALED SPRINKLER HEADS REQUIRED AT ALL GYPSON BOARD CEILING ASSEMBLIES, WITH POWDERCOATED HEAD COVER PLATES FINISHED TO MATCH ADJACENT CEILING PAINT COLOR.
  - PROVIDE MFR'S STANDARD SEISMIC BRACING FOR SUSPENDED ACOUSTICAL CEILING AND INTERSTITIAL EQUIPMENT SEE 19A1.1. COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING WITH A/E IF NOT IDENTIFIED ON THE REFLECTED CEILING PLANS AND ADVISE A/E PROMPTLY OF CONFLICT BETWEEN TRADES.
  - INSTALL CEILING JOINTS PER MFR'S RECOMMENDATIONS.
  - ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS.

- KEYNOTES**
- |       |  |
|-------|--|
| 00-17 | ALIGN SOFFIT W/ EDGE OF WALL   |
| 09-12 | LOCKER SOFFIT - SEE DETAIL 3/A5.8  |
| 09-13 | FULL HEIGHT TO STRUCTURE HEADER, SIM. 5/A1.1. PROVIDE BRACING 24" O.C. TYP. AT EDGE OF CEILING |
| 09-16 | OPEN TO STRUCTURE, PAINT P-1   |
| 09-23 | SOFFIT - SEE DETAIL 4/A5.8   |
| 11-22 | MOTORIZED PROJECTOR SCREEN - SEE 5/A5.8  |



**1**  
A6.2  
SECOND FLOOR REFLECTED CEILING PLAN  
1/8" = 1'-0"

**REFLECTED CEILING PLAN LEGEND**

	WOOD -- SEE DETAIL X/A5.8
	2 x 4 SUSPENDED ACOUSTICAL CEILING
	GYPSUM BOARD
	OPEN TO STRUCTURE -- PAINT P-2
	SECURITY CEILING: PLYWOOD CEILING WITH GYP. BD AND SAT SHEATHING -- SEE DETAIL 2/A5.8
	METAL SOFFIT PANEL -- SEE DETAIL X/XX
	METAL MESH SCREEN -- SEE DETAIL X/XX

- GENERAL NOTES**
- ALL CEILINGS OTHER THAN THOSE OPEN TO STRUCTURE ARE TO BE @ 10'-0" AFF. U.N.O.
  - COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING. ADVISE ARCHITECT PROMPTLY OF CONFLICTS BETWEEN DISCIPLINES.
  - GYPSUM BOARD CEILING TO BE PAINTED P-X. U.N.O. REFER TO SCHEDULE OF INTERIOR FINISHES FOR FURTHER INFORMATION.
  - INSTALL CEILING TILE AS REQUIRED FOR SPRINKLER HEADS AND SMOKE DETECTION. SEE ELECTRICAL DRAWINGS FOR LUMINAIRE TYPES AND LAYOUT.
  - LIGHTING, MECHANICAL, PLUMBING AND ELECTRICAL, SHOWN FOR REFERENCE ONLY.
  - AT AREAS OPEN TO STRUCTURE, PAINT METAL DECK, STRUCTURE AND FIRE SPRINKLER COMPONENTS P-X, U.N.O.
  - ALL WALL HEIGHTS AS DEFINED BY WALL TYPE.
  - CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF 2'x2' PORTION OF 2'x4' SUSPENDED ACOUSTICAL TILE UNLESS OTHERWISE NOTED.
  - SUSPENDED ACOUSTICAL TILE CEILINGS ARE TO BE CENTERED WITHIN THE SPACE UNLESS OTHERWISE NOTED.
  - PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO, SPRINKLER HEADS, CONDUITS, ETC., OF SUFFICIENT SIZE TO ACCOMMODATE ONE (1) INCH OF LATERAL MOVEMENT IN EVERY DIRECTION OF ASSEMBLY PENETRATING CEILING PLANE. PROVIDE ESCUTCHEON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
  - FULLY CONCEALED SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES, WITH POWDERCOATED HEAD COVER PLATES FINISHED TO MATCH ADJACENT CEILING PAINT COLOR.
  - PROVIDE MFR'S STANDARD SEISMIC BRACING FOR SUSPENDED ACOUSTICAL CEILING AND INTERSTITIAL EQUIPMENT SEE 1/4" 1:1. COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING WITH A/E IF NOT IDENTIFIED ON THE REFLECTED CEILING PLANS AND ADVISE A/E PROMPTLY OF CONFLICT BETWEEN TRADES.
  - INSTALL CEILING JOINTS PER MFR'S RECOMMENDATIONS.
  - ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS.

- KEYNOTES**
- |       |   |
|-------|---|
| 09-17 | ALIGN SOFFIT W/ EDGE OF WALL  |
| 09-10 | WESTERN WIREWORKS METAL MESH SCREEN 12 GA, VENETIAN WATERWAYS I ATTACHED TO UNDERSIDE OF STRUCTURE -- SEE DTL XXX |
| 09-13 | FULL HEIGHT TO STRUCTURE HEADER, SIM. 5/A1.1. PROVIDE BRACING 24" O.C. TYP. AT EDGE OF CEILING                    |
| 09-16 | OPEN TO STRUCTURE. PAINT P-1  |
| 09-17 | ACOUSTIC CEILING PANELS, SEE DETAIL 14/A5.8   |
| 09-23 | SOFFIT -- SEE DETAIL 4/A5.8   |
| 26-06 | HAIKU 84 EXTERIOR CEILING FAN -- SEE ELECTRICAL   |

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**Revision Schedule**

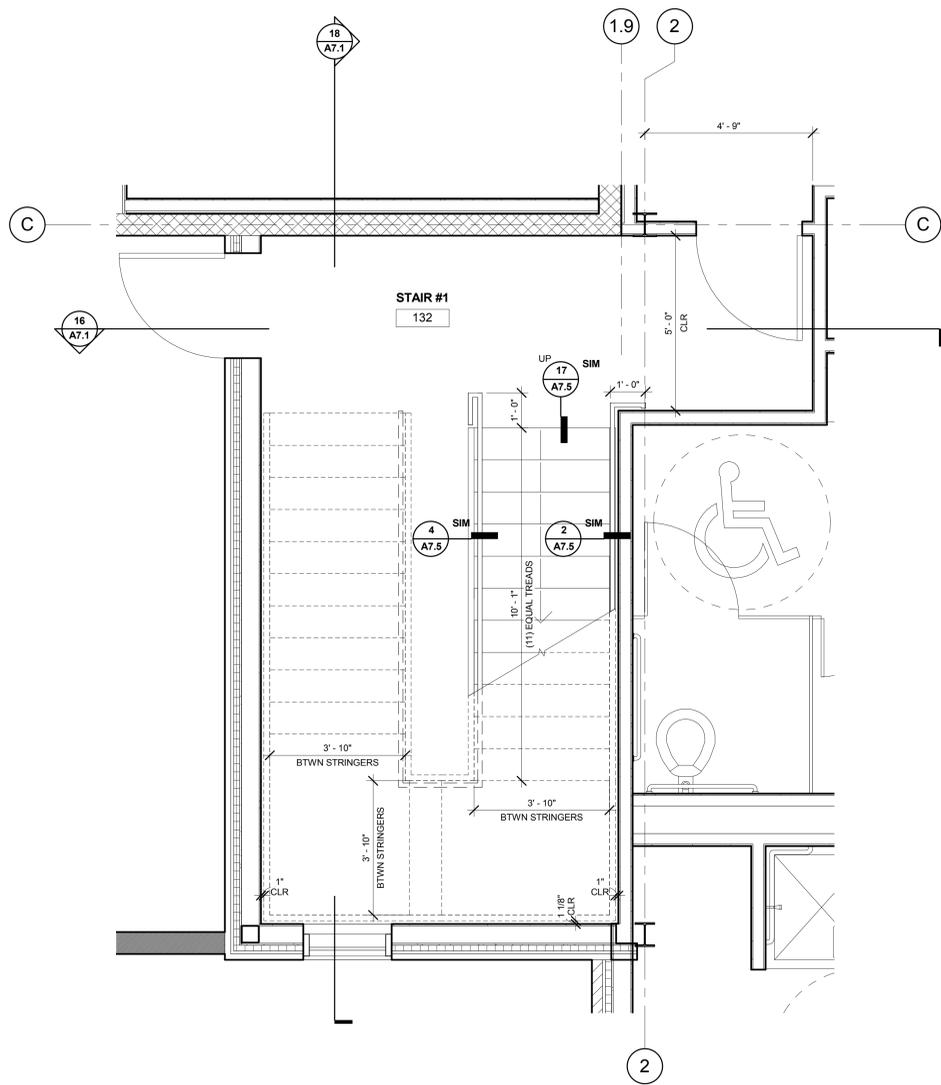
Revision	Delta	Issue Date

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**SECOND FLOOR REFLECTED CEILING PLAN**

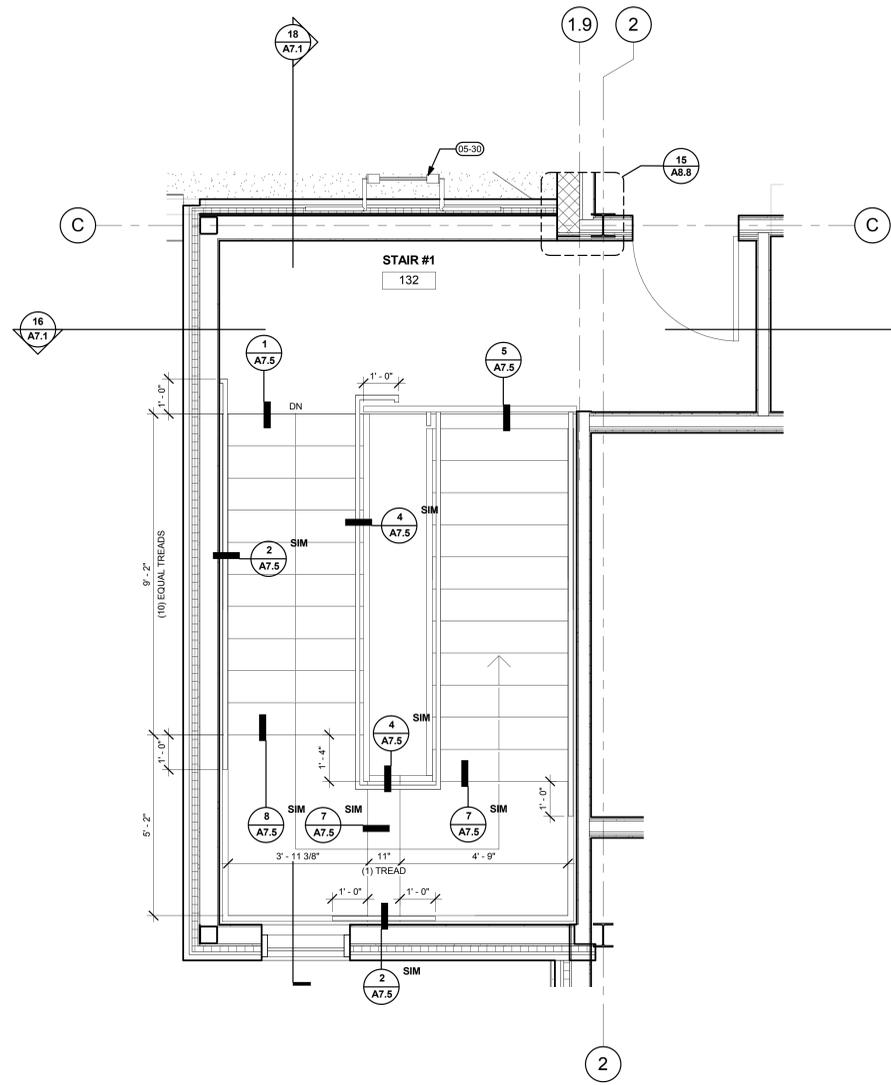
DRAWN BY: ATM  
CHECKED BY: CPC  
SHEET

**A6.2**

JOB NO. 2140284.02



**6** FIRST FLOOR PLAN STAIR #1  
1/2" = 1'-0"



**8** SECOND FLOOR PLAN STAIR #1  
1/2" = 1'-0"

**LEGEND**

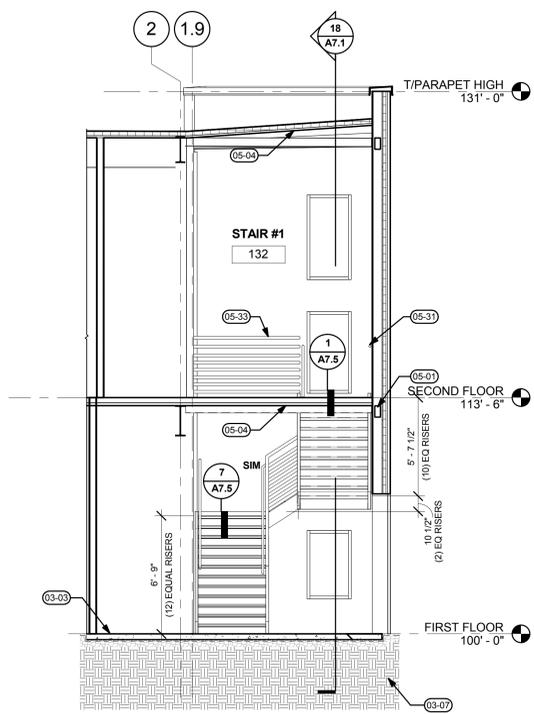
- ⑦ KEYNOTE
- GRIDLINE
- EXTERIOR WALL - STRUCTURAL MASONRY
- EXTERIOR WALL - BRICK VENEER AND METAL STUDS
- EXTERIOR WALL - METAL PANEL AND METAL STUD
- INTERIOR PARTITION, SEE SHEET A1.0
- 1-HR RATED INTERIOR PARTITION
- INTERIOR GLAZING
- ⑦ US DOWNSPOUT SIZE
- ADA ACCESSIBLE TURNING RADIUS AND CLEAR FLOOR SPACE

**GENERAL NOTES**

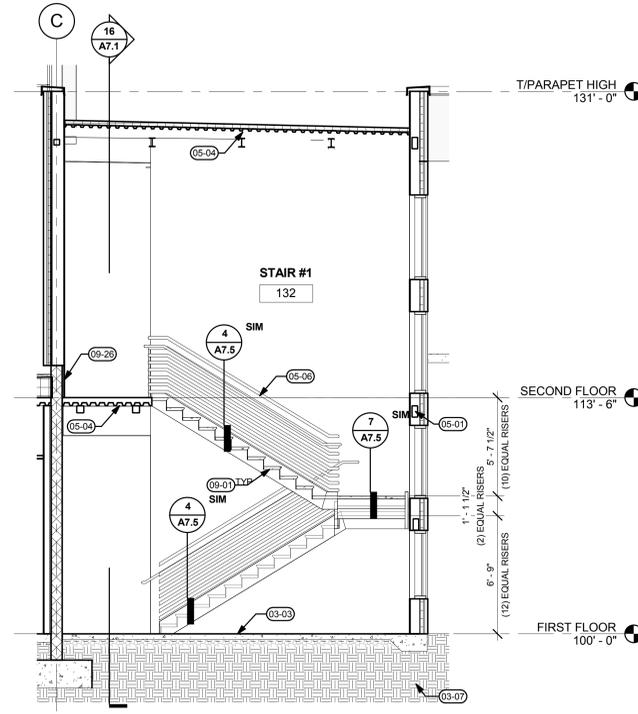
- A. ALL CEILINGS OTHER THAN THOSE OPEN TO STRUCTURE ARE TO BE @ 10'-0" AFF. U.N.O.
- B. CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF TILE. U.N.O.
- C. COORDINATE MECHANICAL FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING. ADVISE ARCHITECT PROMPTLY OF CONFLICTS BETWEEN DISCIPLINES.
- D. GYPSUM BOARD CEILING TO BE PAINTED P-X. U.N.O. REFER TO SCHEDULE OF INTERIOR FINISHES FOR FURTHER INFORMATION.
- E. INSTALL CEILING TILE AS REQUIRED FOR SPRINKLER HEADS AND SMOKE DETECTION.
- F. SEE ELECTRICAL DRAWINGS FOR LUMINAIRE TYPES AND LAYOUT.
- G. CENTER SAT CEILING IN SPACE. U.N.O.
- H. PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO: SPRINKLER HEADS AND CONDUITS. PROVIDE ESCUTCHEON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
- I. FULLY RECESSED SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES. POWDERCOAT HEAD COVER PLATES TO MATCH CEILING COLOR. P-X.
- J. LIGHTING, MECHANICAL, PLUMBING AND ELECTRICAL SHOWN FOR REFERENCE ONLY.
- K. AT AREAS OPEN TO STRUCTURE, PAINT METAL DECK, STRUCTURE AND FIRE SPRINKLER COMPONENTS P-X. U.N.O.
- L. ALL WALLS ARE FULL HEIGHT TO STRUCTURE.
- M. CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF 2X2 PORTION OF 2X4 SUSPENDED ACOUSTICAL TILE UNLESS OTHERWISE NOTED.
- N. FOR SEISMIC BRACING OF SUSPENDED CEILING AND INTERSTITIAL EQUIPMENT SEE 1/A1.1. COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING AND ADVISE A/E PROMPTLY OF CONFLICTS BETWEEN TRADES.
- O. SUSPENDED ACOUSTICAL TILE CEILINGS ARE TO BE CENTERED WITHIN THE SPACE UNLESS OTHERWISE NOTED.
- P. PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO: SPRINKLER HEADS, CONDUITS, ETC. OF SUFFICIENT SIZE TO ACCOMMODATE ONE (1) INCH OF LATERAL MOVEMENT IN EVERY DIRECTION OF ASSEMBLY PENETRATING CEILING PLANE. PROVIDE ESCUTCHEON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
- Q. FULLY CONCEALED SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES, WITH POWDERCOATED HEAD COVER PLATES FINISHED TO MATCH ADJACENT CEILING PAINT COLOR.
- R. PROVIDE MFR'S STANDARD SEISMIC JOINT FOR SUSPENDED ACOUSTICAL TILE. COORDINATE EXACT LOCATION WITH A/E IF NOT IDENTIFIED ON THE REFLECTED CEILING PLANS.
- S. INSTALL CEILING JOINTS PER MFR'S RECOMMENDATIONS.
- T. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS.

**KEYNOTES**

- 03-03 CONCRETE SLAB ON GRADE - SEE STRUCTURAL
- 03-07 CONCRETE FOOTING, MAINTAIN MIN REQ'D COVER FROM GROUND TO TOP OF FOOTING. COORDINATE COURSING AS INDICATED IN ARCHITECTURAL DETAILS - SEE STRUCTURAL FOR ADDITIONAL INFORMATION
- 05-01 STRUCTURAL STEEL FRAMING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
- 05-04 STEEL DECKING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL
- 05-06 STEEL PIPE HANDRAIL/GUARDRAIL - SEE DETAIL 7/A7.5
- 05-30 ROOF ACCESS LADDER, SEE DETAIL 11 & 12/A8.2
- 05-31 WALL MOUNTED HANDRAIL-SEE DETAIL 2/A7.5
- 05-33 STEEL PIPE GUARDRAIL-SEE DETAIL 13/A7.5
- 09-01 RUBBER STAIR TREAD AND RISER, RB-1
- 09-26 GYP BOARD OVER 7/8" FURRING CHANNEL, ATTACHED TO INSIDE FACE OF REINFORCED MASONRY WALL. ALIGN WITH METAL STUD WALL ABOVE.



**16** SECTION THROUGH STAIR #1  
1/4" = 1'-0"



**18** SECTION THROUGH STAIR #1  
1/4" = 1'-0"

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Revision Schedule	
Revision Delta	Issue Date

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**STAIR #1  
PLANS AND  
SECTIONS**

DRAWN BY: CRR

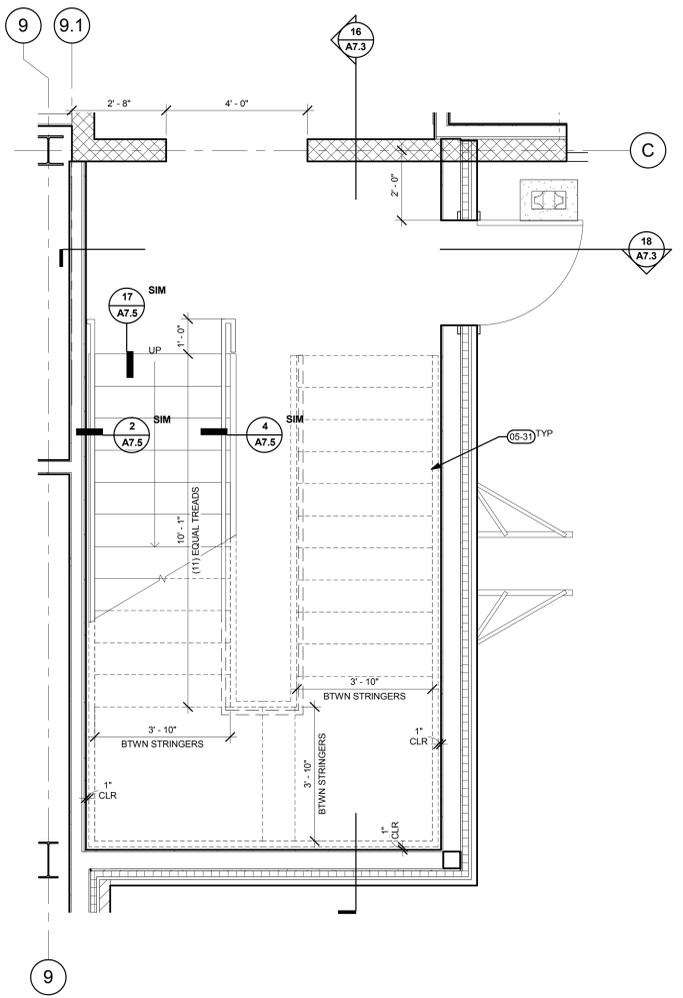
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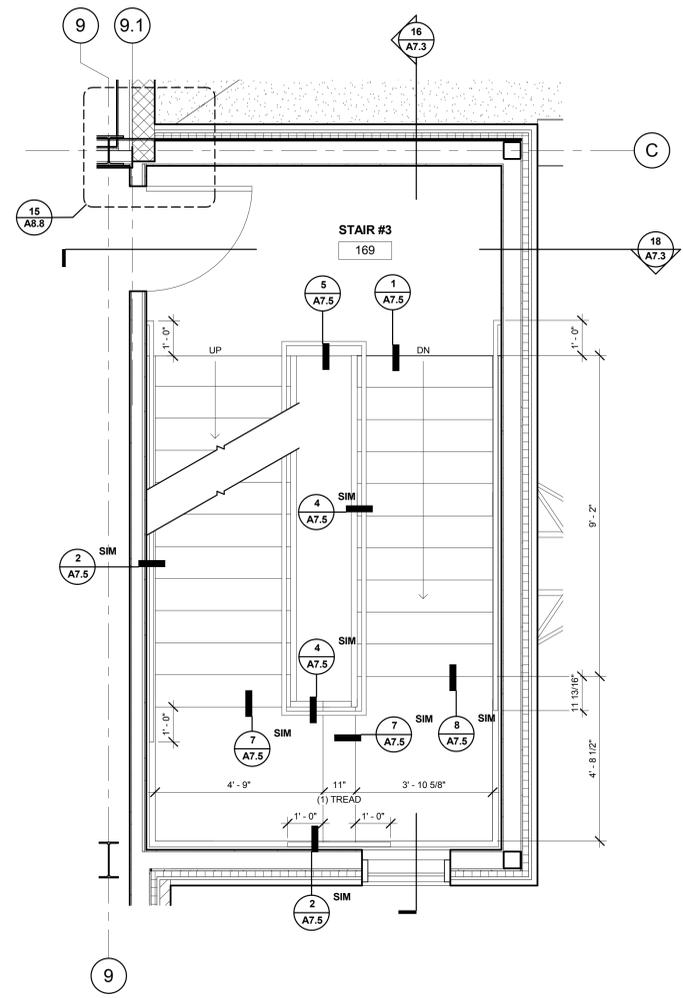
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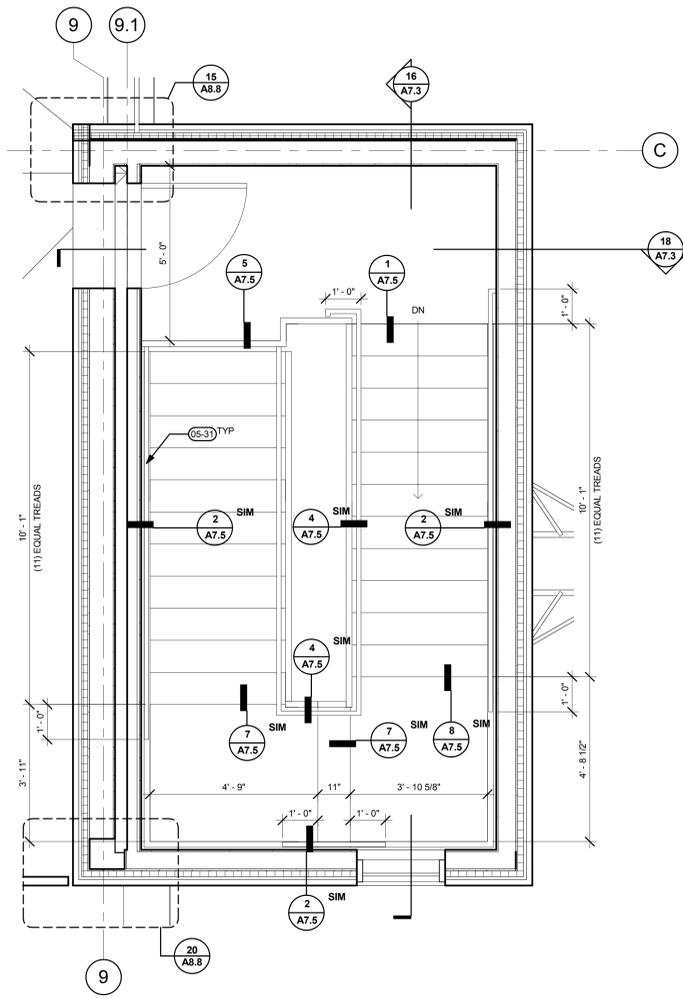




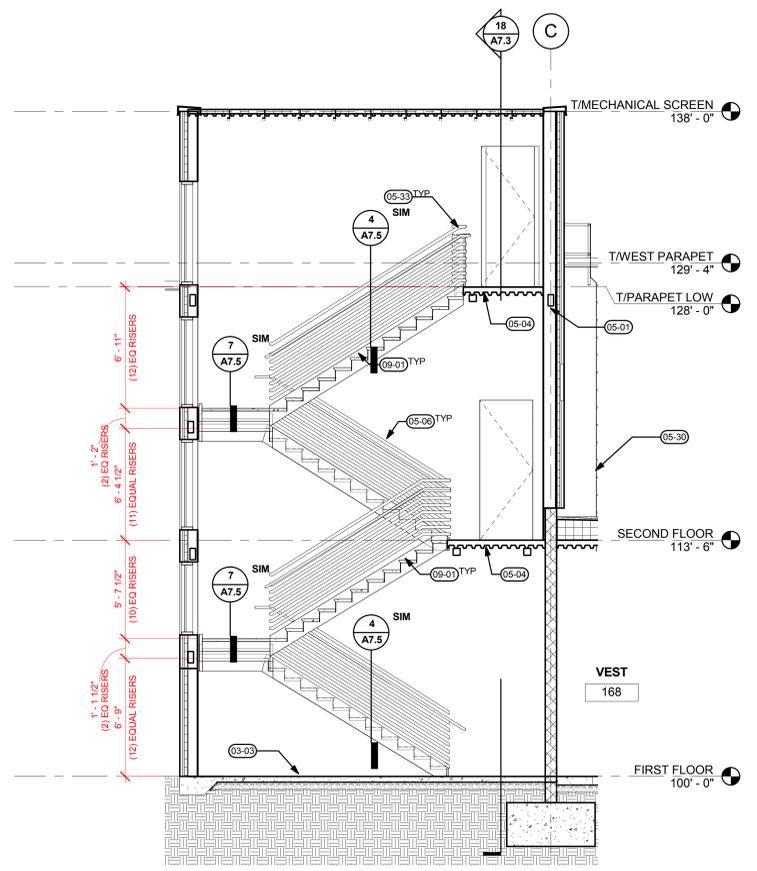
**6 FIRST FLOOR PLAN STAIR #3**  
1/2" = 1'-0"



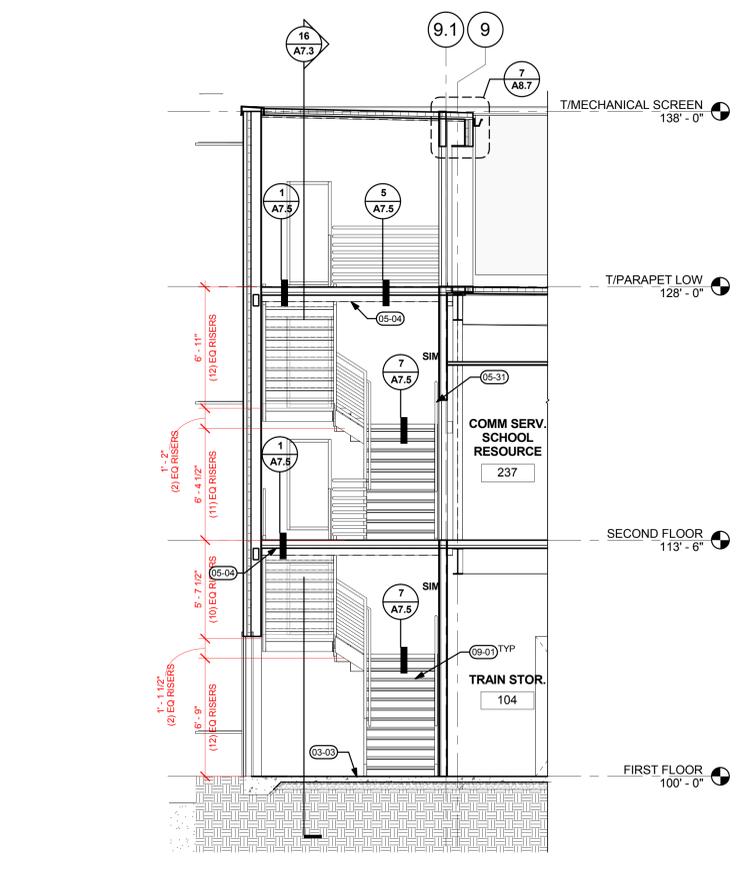
**8 SECOND FLOOR PLAN STAIR #3**  
1/2" = 1'-0"



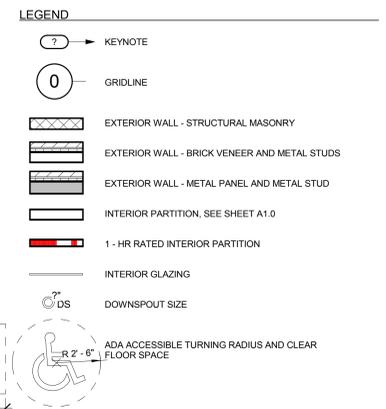
**10 ROOF LEVEL STAIR #3**  
1/2" = 1'-0"



**16 SECTION THROUGH STAIR #3**  
1/4" = 1'-0"



**18 SECTION THROUGH STAIR #3**  
1/4" = 1'-0"



- GENERAL NOTES**
- ALL CEILINGS OTHER THAN THOSE OPEN TO STRUCTURE ARE TO BE @ 10'-0" AFF. U.N.O.
  - CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF TILE. U.N.O.
  - COORDINATE MECHANICAL FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING. ADVISE ARCHITECT PROMPTLY OF CONFLICTS BETWEEN DISCIPLINES.
  - GYPSON BOARD CEILING TO BE PAINTED P-X, U.N.O. REFER TO SCHEDULE OF INTERIOR FINISHES FOR FURTHER INFORMATION.
  - INSTALL CEILING TILE AS REQUIRED FOR SPRINKLER HEADS AND SMOKE DETECTION.
  - SEE ELECTRICAL DRAWINGS FOR LUMINAIRE TYPES AND LAYOUT.
  - CENTER SAT CEILING IN SPACE. U.N.O.
  - PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO, SPRINKLER HEADS AND CONDUITS. PROVIDE ESCUTCHEON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
  - FULLY RECESSED SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES. POWDERCOAT HEAD COVER PLATES TO MATCH CEILING COLOR. P-X.
  - LIGHTING, MECHANICAL, PLUMBING AND ELECTRICAL SHOWN FOR REFERENCE ONLY.
  - AT AREAS OPEN TO STRUCTURE, PAINT METAL DECK, STRUCTURE AND FIRE SPRINKLER COMPONENTS P-X, U.N.O.
  - ALL WALLS ARE FULL HEIGHT TO STRUCTURE.
  - CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF 2'X2' PORTION OF 2'X4' SUSPENDED ACOUSTICAL TILE. UNLESS OTHERWISE NOTED.
  - FOR SEISMIC BRACING OF SUSPENDED CEILING AND INTERSTITIAL EQUIPMENT SEE 1/4" 1. COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING AND ADVISE A/E PROMPTLY OF CONFLICTS BETWEEN TRADES.
  - SUSPENDED ACOUSTICAL TILE CEILINGS ARE TO BE CENTERED WITHIN THE SPACE UNLESS OTHERWISE NOTED.
  - PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO, SPRINKLER HEADS, CONDUITS, ETC. OF SUFFICIENT SIZE TO ACCOMMODATE ONE (1) INCH OF LATERAL MOVEMENT IN EVERY DIRECTION OF ASSEMBLY PENETRATING CEILING PLANE. PROVIDE ESCUTCHEON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
  - FULLY CONCEALED SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES WITH POWDERCOATED HEAD COVER PLATES FINISHED TO MATCH ADJACENT CEILING PAINT COLOR.
  - PROVIDE MFR'S STANDARD SEISMIC JOINT FOR SUSPENDED ACOUSTICAL TILE. COORDINATE EXACT LOCATION WITH A/E IF NOT IDENTIFIED ON THE REFLECTED CEILING PLANS.
  - INSTALL CEILING JOINTS PER MFR'S RECOMMENDATIONS.
  - ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS.

- KEYNOTES**
- |       |  |
|-------|--|
| 03-03 | CONCRETE SLAB ON GRADE - SEE STRUCTURAL                                    |
| 05-01 | STRUCTURAL STEEL FRAMING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL |
| 05-04 | STEEL DECKING, PAINT P-X WHERE EXPOSED, U.N.O. - SEE STRUCTURAL            |
| 05-06 | STEEL PIPE HANDRAIL/GUARDRAIL - SEE DETAIL 7/A7.5                          |
| 05-30 | ROOF ACCESS LADDER, SEE DETAIL 11 & 12/A8.2                                |
| 05-31 | WALL MOUNTED HANDRAIL - SEE DETAIL 2/A7.5                                  |
| 05-33 | STEEL PIPE GUARDRAIL - SEE DETAIL 13/A7.5                                  |
| 09-01 | RUBBER STAIR TREAD AND RISER, RB-1   |

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Revision Schedule	
Revision Delta	Issue Date

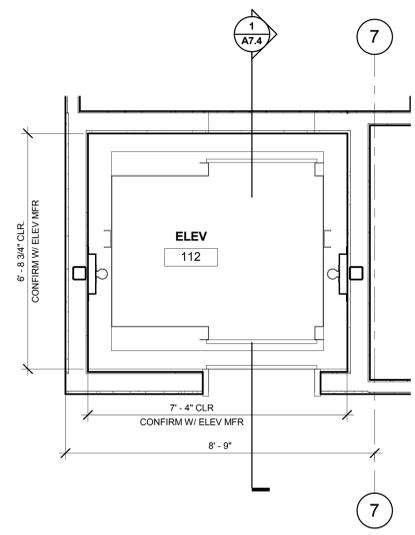
SHEET TITLE:  
**STAIR #3  
PLANS AND  
SECTIONS**

DRAWN BY: CRR  
CHECKED BY: CPC

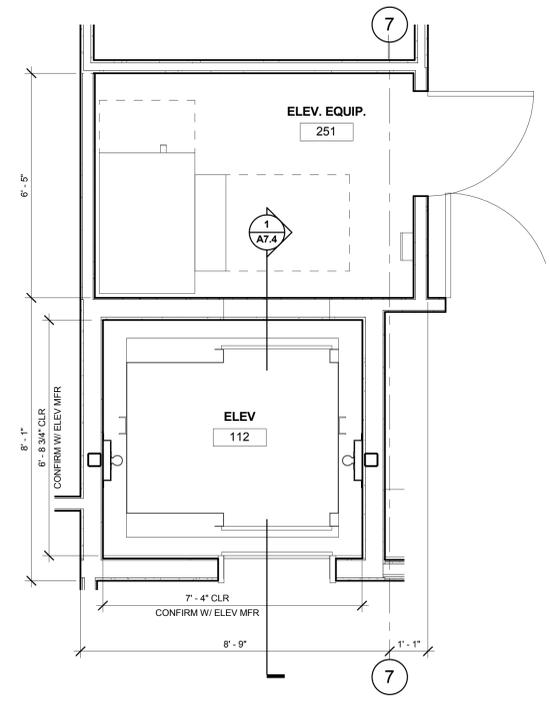
SHEET

**A7.3**

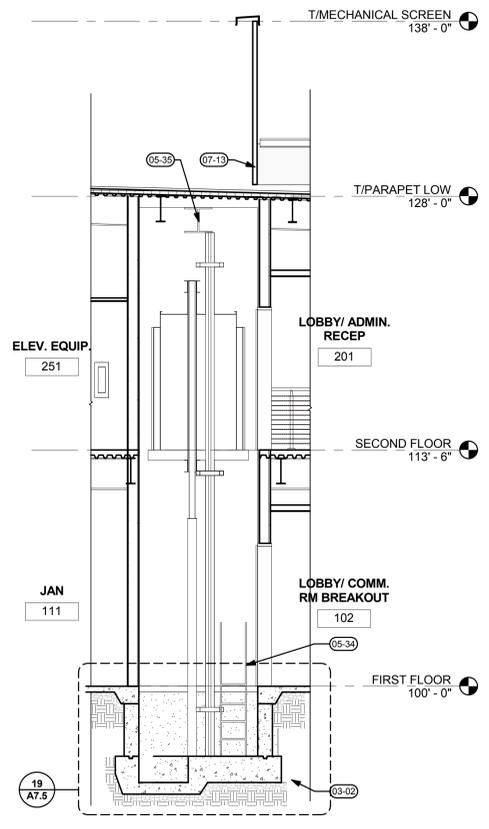
JOB NO. 2140284.02



**2** FIRST FLOOR ELEVATOR PLAN  
A7.4 1/2" = 1'-0"



**3** SECOND FLOOR ELEVATOR PLAN  
A7.4 1/2" = 1'-0"



**1** SECTION THROUGH ELEVATOR  
A7.4 1/4" = 1'-0"

**LEGEND**

- KEYNOTE
- GRIDLINE
- EXTERIOR WALL - STRUCTURAL MASONRY
- EXTERIOR WALL - BRICK VENEER AND METAL STUDS
- EXTERIOR WALL - METAL PANEL AND METAL STUD
- INTERIOR PARTITION, SEE SHEET A1.0
- 1-HR RATED INTERIOR PARTITION
- INTERIOR GLAZING
- DOWNSPOUT SIZE
- ADA ACCESSIBLE TURNING RADIUS AND CLEAR FLOOR SPACE

**GENERAL NOTES**

- A. ALL CEILINGS OTHER THAN THOSE OPEN TO STRUCTURE ARE TO BE @ 10'-0" AFF. U.N.O.
- B. COORDINATE MECHANICAL FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING. ADVISE ARCHITECT
- C. PROMPTLY OF CONFLICTS BETWEEN DISCIPLINES.
- D. GYPSUM BOARD CEILING TO BE PAINTED P-X, U.N.O. REFER TO SCHEDULE OF INTERIOR FINISHES FOR FURTHER INFORMATION.
- E. INSTALL CEILING TILE AS REQUIRED FOR SPRINKLER HEADS AND SMOKE DETECTION.
- F. SEE ELECTRICAL DRAWINGS FOR LUMINAIRE TYPES AND LAYOUT.
- G. LIGHTING, MECHANICAL, PLUMBING AND ELECTRICAL SHOWN FOR REFERENCE ONLY.
- H. AT AREAS OPEN TO STRUCTURE, PAINT METAL DECK, STRUCTURE AND FIRE SPRINKLER COMPONENTS P-X, U.N.O.
- I. ALL WALL HEIGHTS AS DEFINED BY WALL TYPE
- M. CENTER ALL DOWNLIGHTS, FIRE SPRINKLER HEADS, SMOKE AND IONIZATION DETECTORS, AND ALL OTHER CEILING PENETRATIONS IN CENTER OF 2X2 PORTION OF 2X4 SUSPENDED ACOUSTICAL TILE UNLESS OTHERWISE NOTED.
- O. SUSPENDED ACOUSTICAL TILE CEILINGS ARE TO BE CENTERED WITHIN THE SPACE UNLESS OTHERWISE NOTED.
- P. PROVIDE HOLE FOR PENETRATION THROUGH SUSPENDED ACOUSTICAL TILE FOR ELEMENTS INCLUDING, BUT NOT LIMITED TO, SPRINKLER HEADS, CONDUITS, ETC. OF SUFFICIENT SIZE TO ACCOMMODATE ONE (1) INCH OF LATERAL MOVEMENT IN EVERY DIRECTION OF ASSEMBLY PENETRATING CEILING PLANE. PROVIDE ESCUICHON TO CONCEAL GAP BETWEEN CEILING TILE AND PENETRATING ELEMENT.
- Q. FULLY CONCEALED SPRINKLER HEADS REQUIRED AT ALL GYPSUM BOARD CEILING ASSEMBLIES, WITH POWDERCOATED HEAD COVER PLATES FINISHED TO MATCH ADJACENT CEILING PAINT COLOR.
- R. PROVIDE MFR'S STANDARD SEISMIC BRACING FOR SUSPENDED ACOUSTICAL CEILING AND INTERSTITIAL EQUIPMENT SEE 1A1.1. COORDINATE MECHANICAL, FIRE PROTECTION AND ELECTRICAL ITEMS IN CEILING WITH A/E IF NOT IDENTIFIED ON THE REFLECTED CEILING PLANS AND ADVISE A/E PROMPTLY OF CONFLICT BETWEEN TRADES.
- S. INSTALL CEILING JOINTS PER MFR'S RECOMMENDATIONS.
- T. ELEVATION 100'-0" = FINISH FLOOR ELEVATION INDICATED IN CIVIL DRAWINGS.

**KEYNOTES**

- 03-02 UNDERSLAB VAPOR RETARDER -- SEE SPECIFICATIONS
- 05-34 ELEVATOR PIT LADDER--SEE DETAIL 14A7.5
- 05-35 ELEVATOR HOIST BEAM BY GC
- 07-13 METAL PANEL SCREEN WALL -- SEE DTL 20A8.2

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Revision Schedule	
Revision Delta	Issue Date

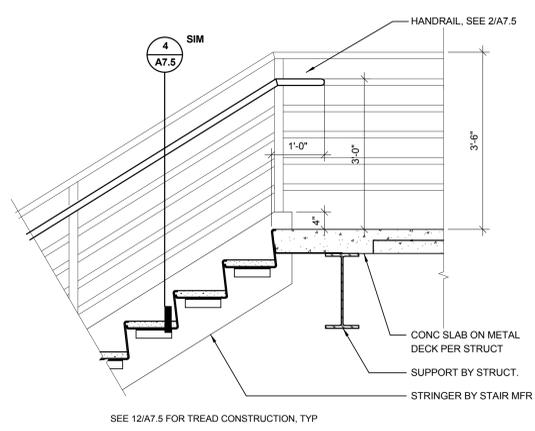
SHEET TITLE:  
**ELEVATOR PLANS AND SECTIONS**

DRAWN BY: CRR  
CHECKED BY: CPC

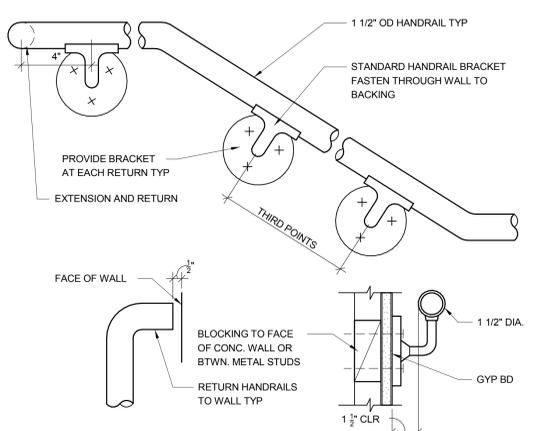
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**A7.4**

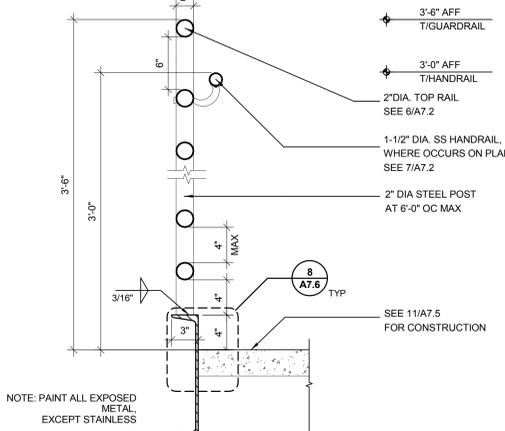
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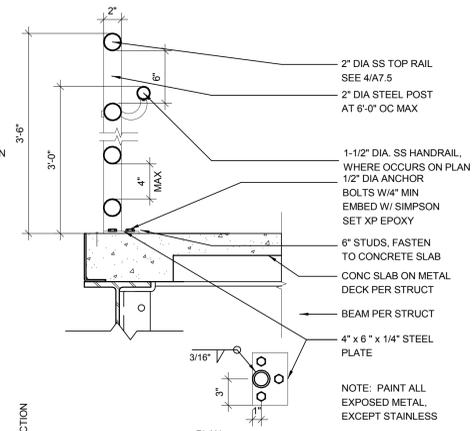
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A7.5 3/4" = 1'-0"



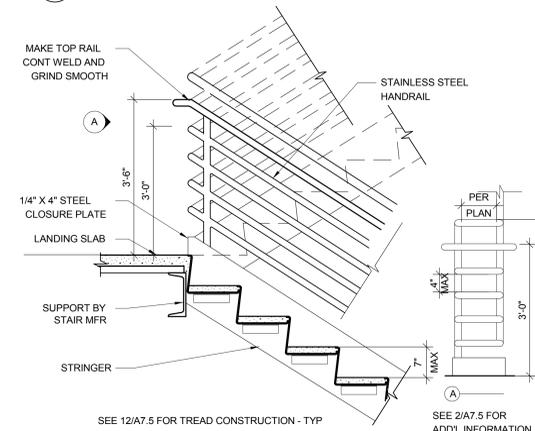
**2 TYPICAL HANDRAILS**  
A7.5 3" = 1'-0"



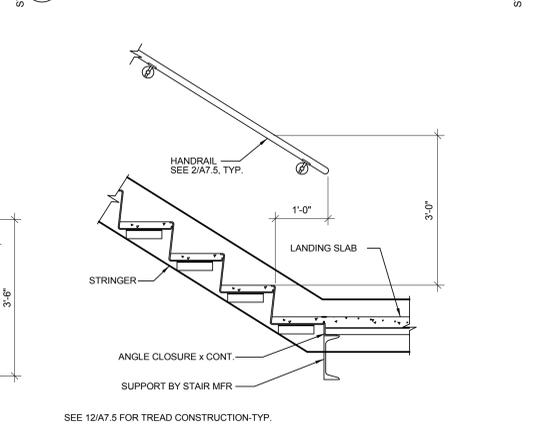
**3 GUARDRAIL SECTION**  
A7.5 1 1/2" = 1'-0"



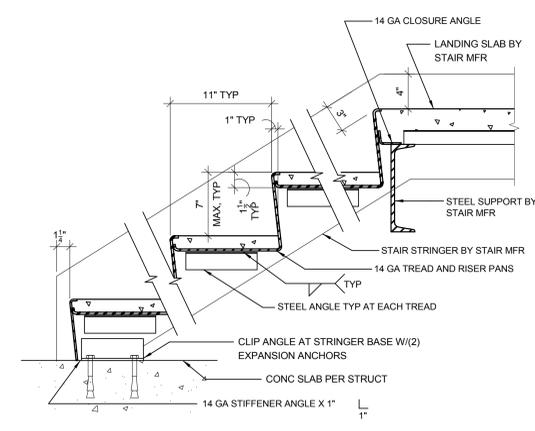
**4 GUARDRAIL @ SLAB EDGE**  
A7.5 1 1/2" = 1'-0"



**5 STAIR AT MID-LANDING**  
A7.5 3/4" = 1'-0"



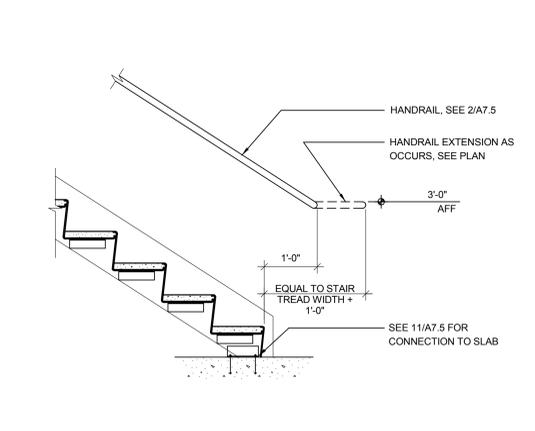
**6 STAIR AT MID-LANDING 2**  
A7.5 3/4" = 1'-0"



**7 TYPICAL STAIR TREAD/RISER**  
A7.5 1 1/2" = 1'-0"



**8 ELEVATOR PIT LADDER**  
A7.5 3/4" = 1'-0"



**9 STAIR/RAIL AT BOTTOM LANDING**  
A7.5 3/4" = 1'-0"



**10 ELEVATOR PIT**  
A7.5 1/2" = 1'-0"

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Revision Delta	Issue Date

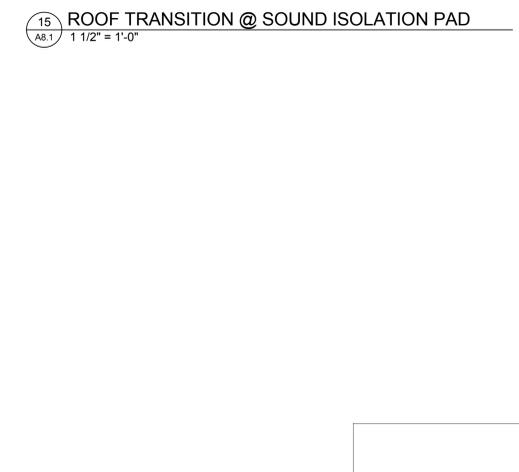
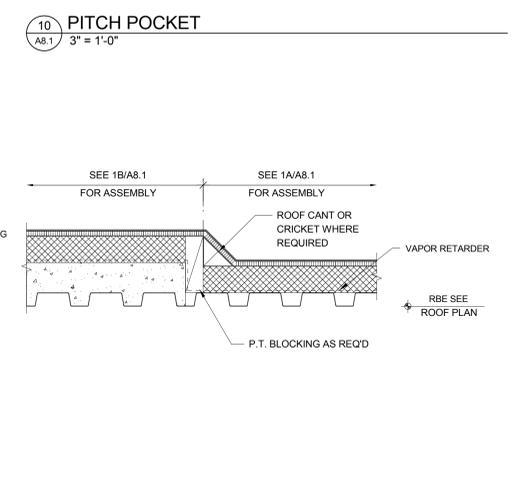
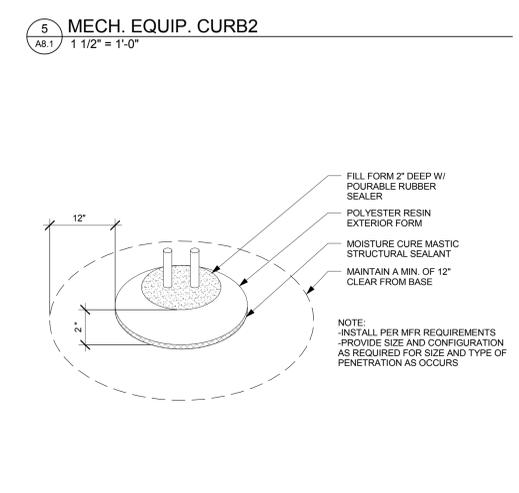
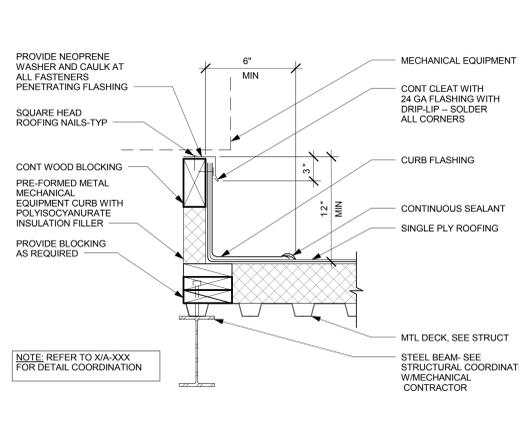
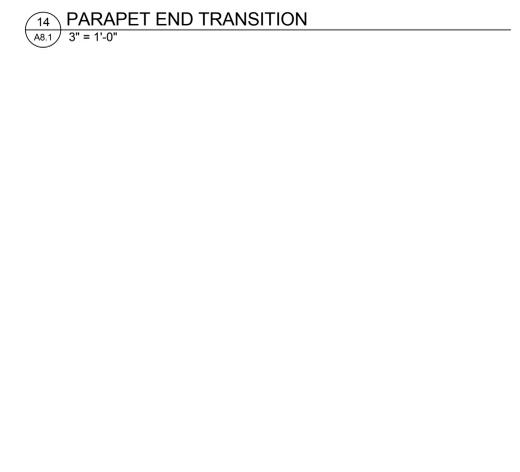
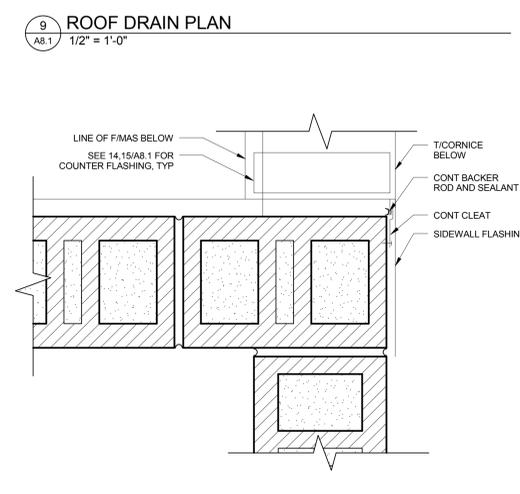
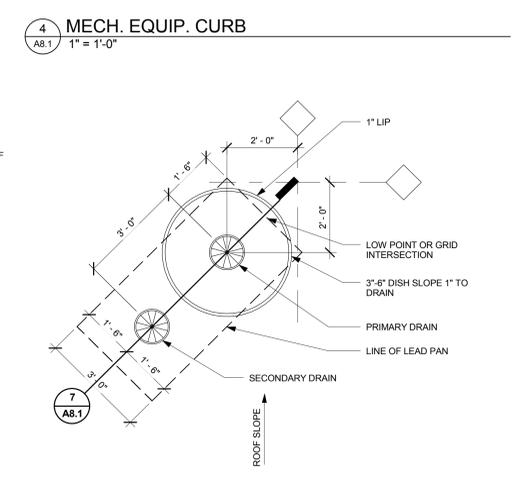
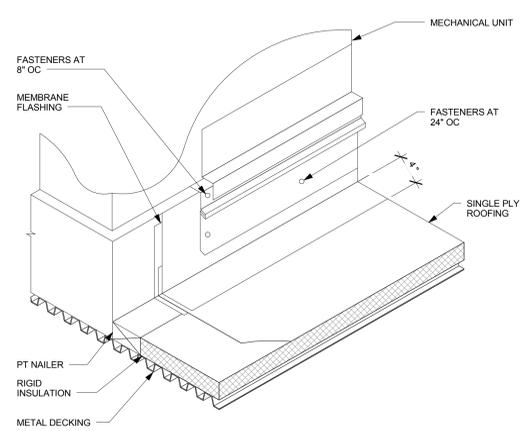
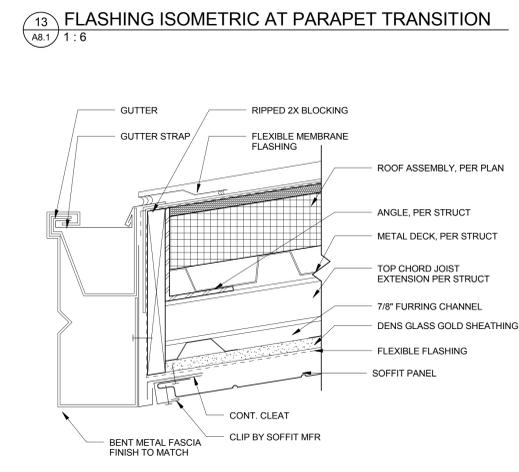
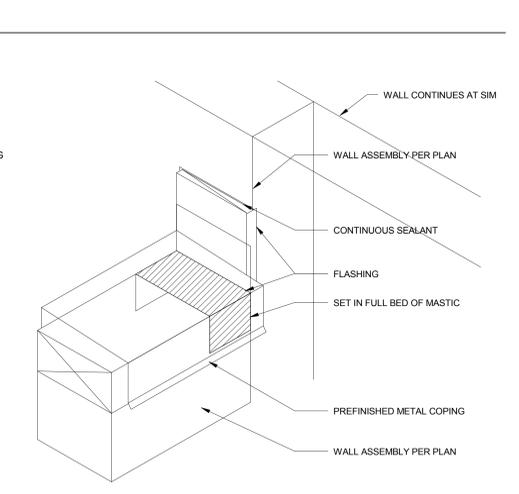
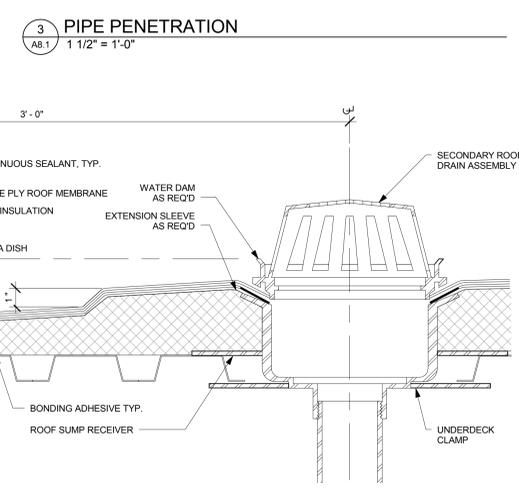
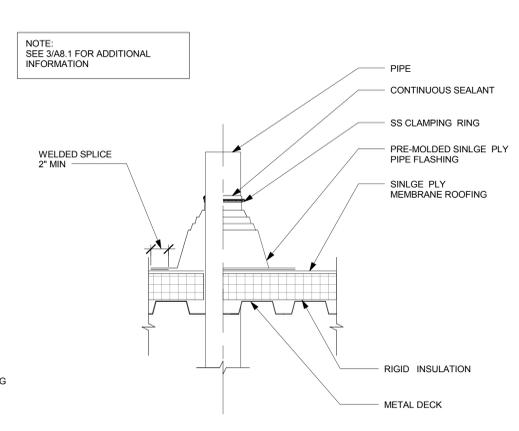
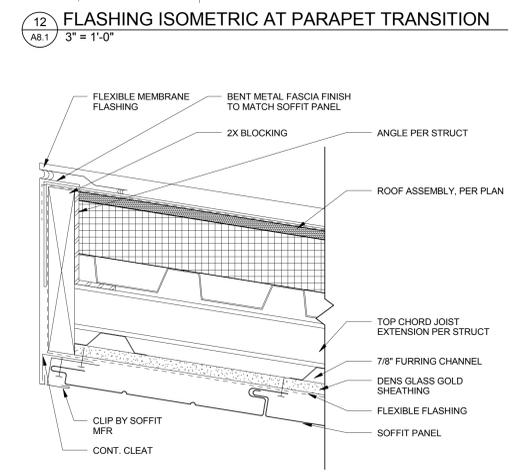
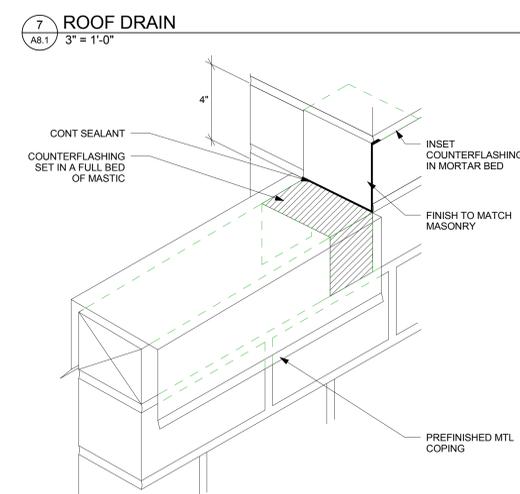
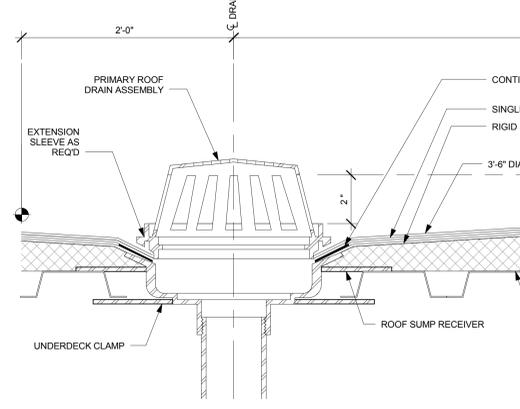
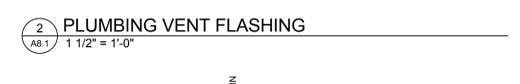
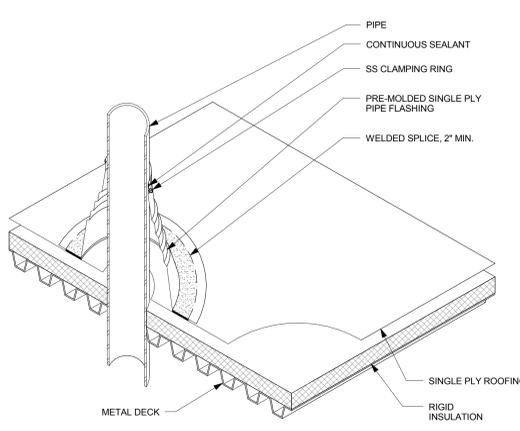
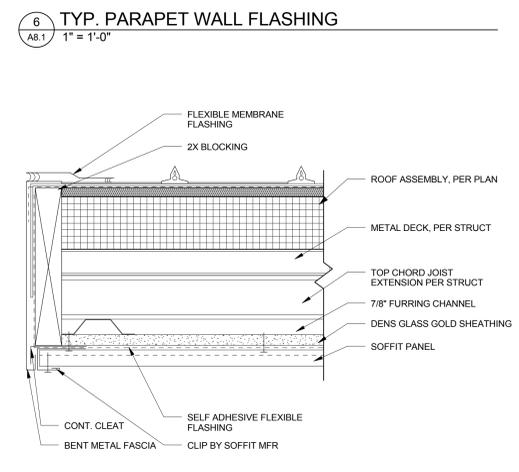
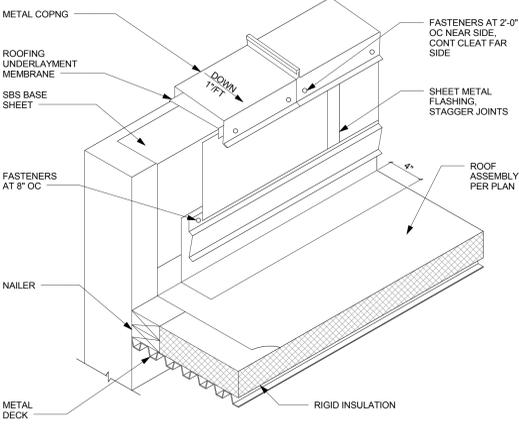
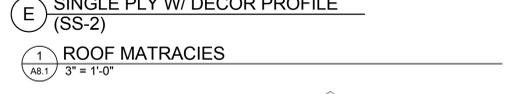
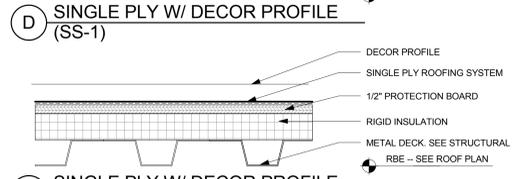
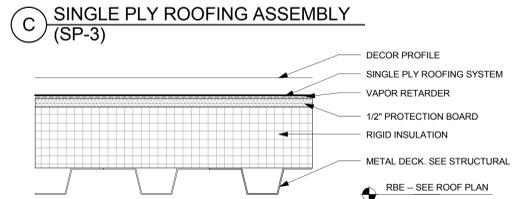
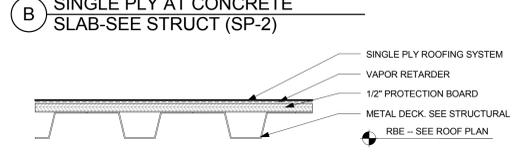
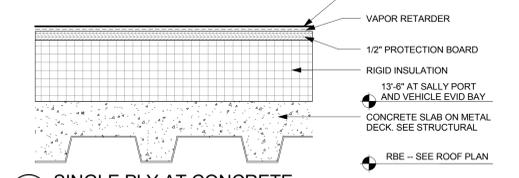
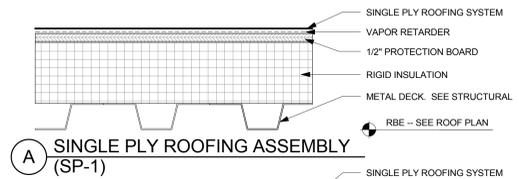
SHEET TITLE:  
**STAIR AND ELEVATOR DETAILS**

DRAWN BY: CRR  
CHECKED BY: CPC  
SHEET

**A7.5**

JOB NO. 2140284.02





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Revision Schedule	
Revision Delta	Issue Date

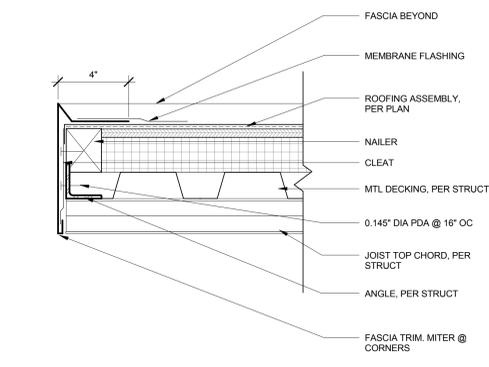
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**ROOF DETAILS**

DRAWN BY: ILW  
CHECKED BY: CPC

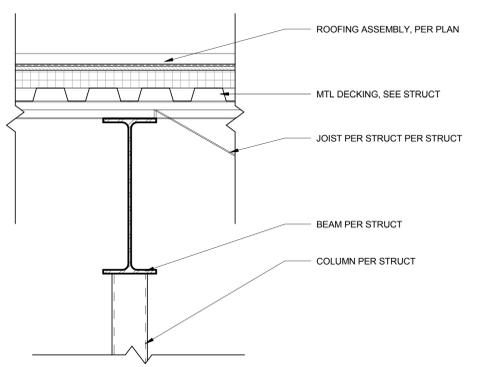
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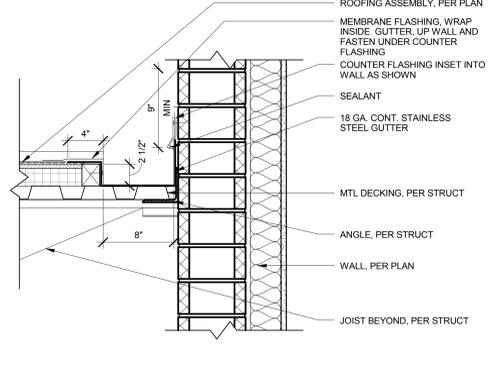
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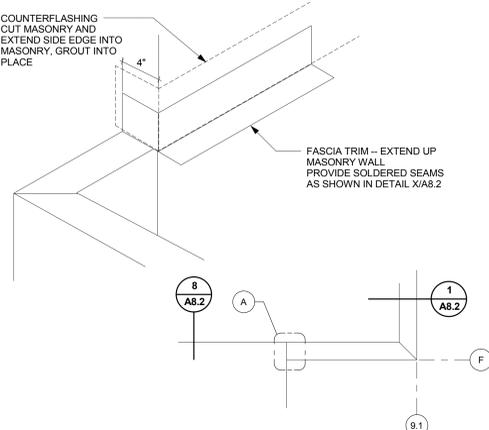
1 GUTTER AT CARPORT CANOPY  
A8.2 3" = 1'-0"



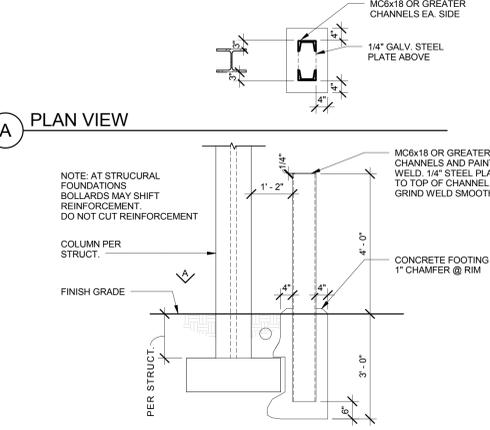
2 CARPORT CANOPY DETAIL  
A8.2 1 1/2" = 1'-0"



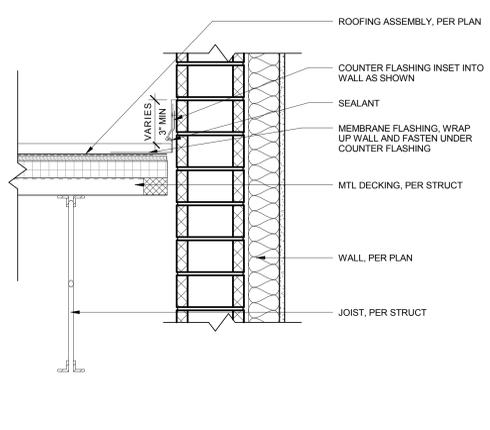
3 CARPORT CANOPY JOIST AT WALL  
A8.2 1 1/2" = 1'-0"



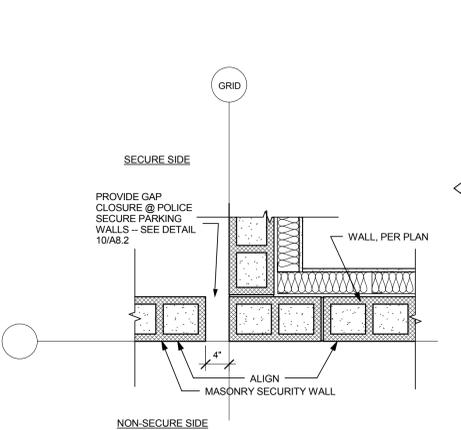
6 ROOF CANOPY PARTIAL PLAN  
A8.2 1 1/2" = 1'-0"



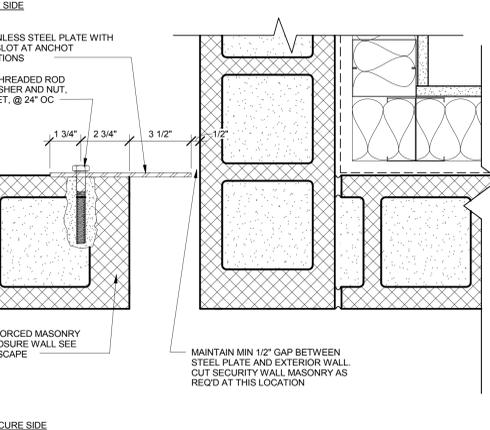
7 STEEL CHANNEL BOLLARD  
A8.2 1/2" = 1'-0"



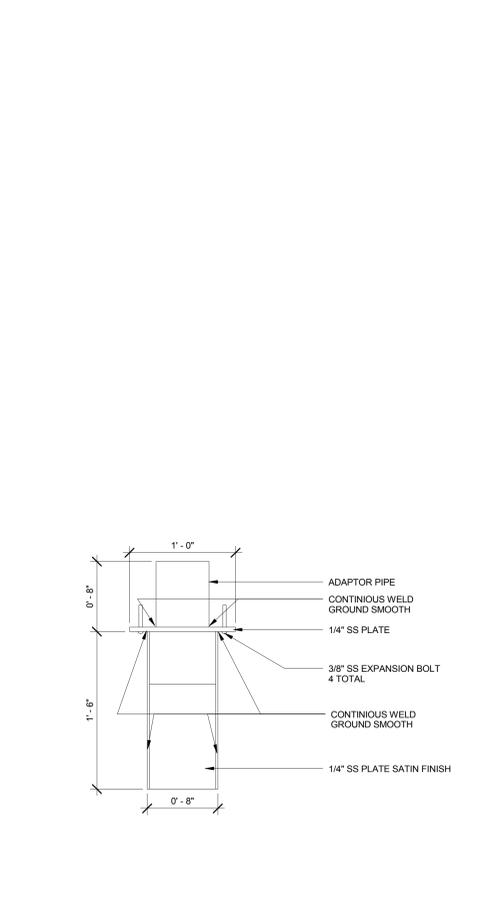
8 CARPORT CANOPY DETAIL  
A8.2 1 1/2" = 1'-0"



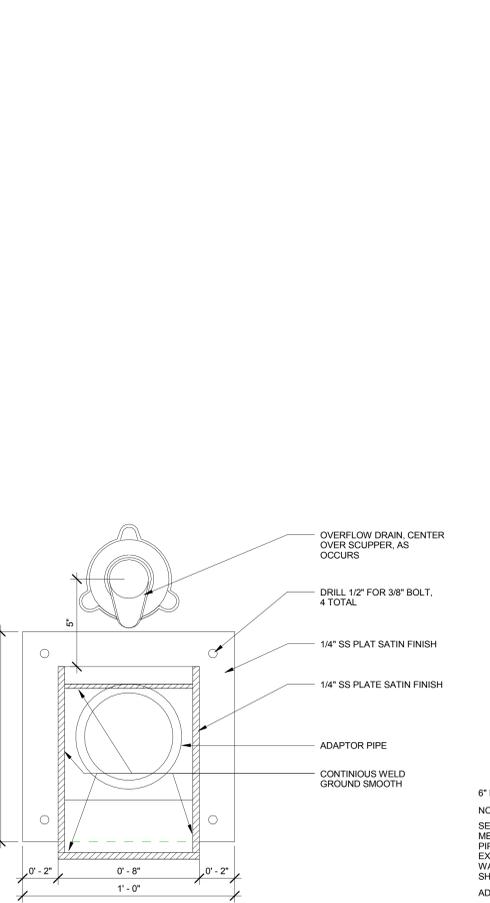
9 MASONRY ISOLATION JOINT  
A8.2 1" = 1'-0"



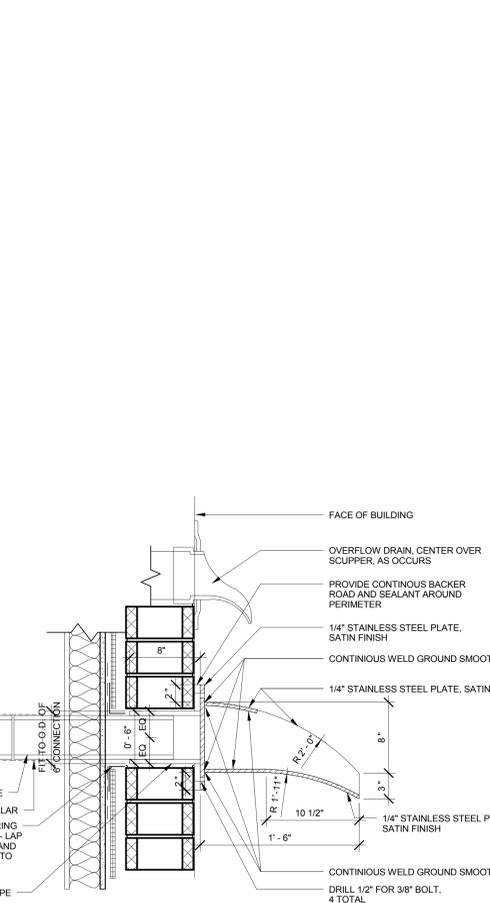
10 CMU WALL CLOSURE PLATE  
A8.2 3" = 1'-0"



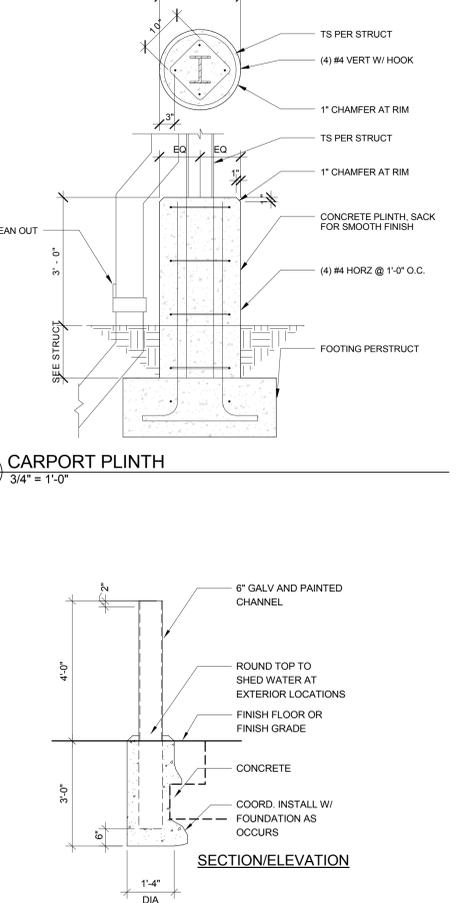
16 SCUPPER PLAN DETAIL  
A8.2 1 1/2" = 1'-0"



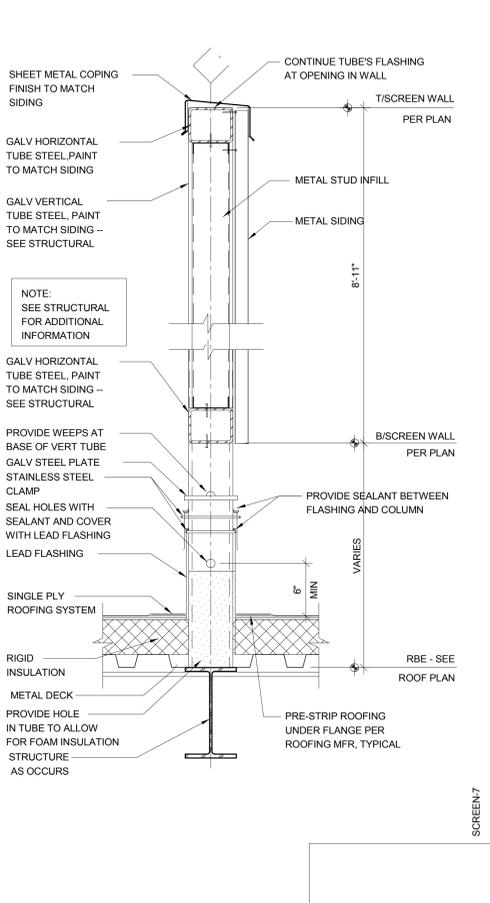
17 SCUPPER ELEVATION DETAIL  
A8.2 3" = 1'-0"



18 SCUPPER DETAIL  
A8.2 1 1/2" = 1'-0"



19 BOLLARD DETAIL  
A8.2 1/2" = 1'-0"



20 SCREEN WALL SECTION  
A8.2 1 1/2" = 1'-0"

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Revision Schedule	
Revision Delta	Issue Date

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**EXTERIOR DETAILS**

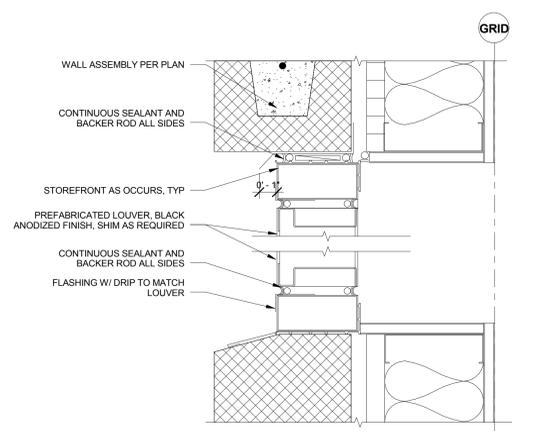
DRAWN BY: Author  
CHECKED BY: Checker  
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**A8.2**

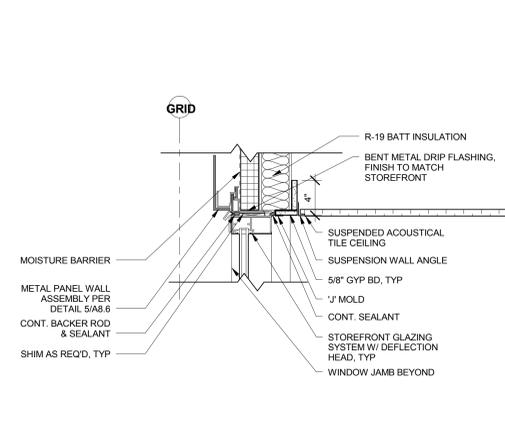
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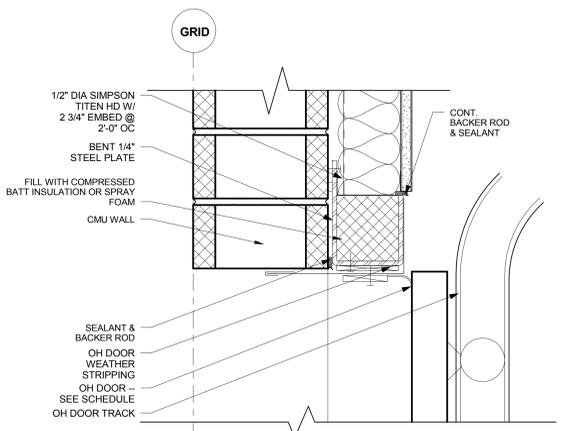
Revision Schedule	
Revision Delta	Issue Date



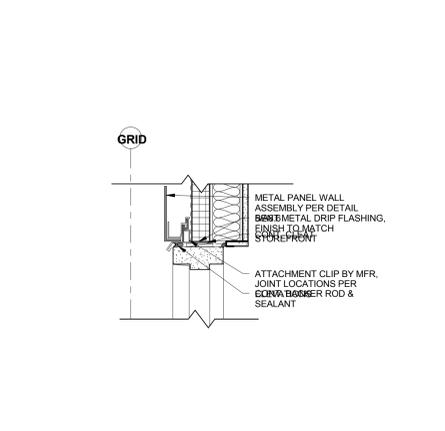
5 LOUVER HEAD/SILL @ REINFORCED MASONRY WALL  
1 1/2" = 1'-0"



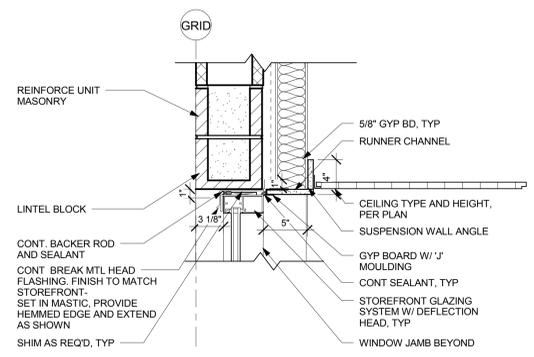
4 WINDOW HEAD @ MTL PNL (JAMB SIM)  
1 1/2" = 1'-0"



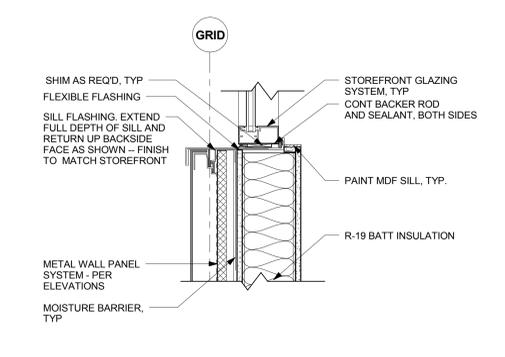
2 OVERHEAD DOOR HEAD  
3" = 1'-0"



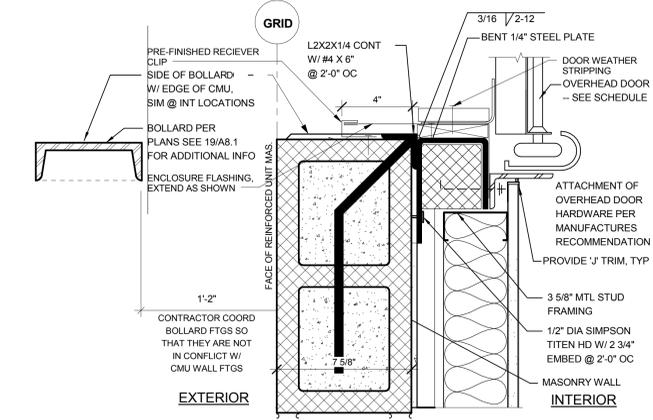
1 HM DOOR HEAD @ METAL PANEL (JAMB SIM)  
1 1/2" = 1'-0"



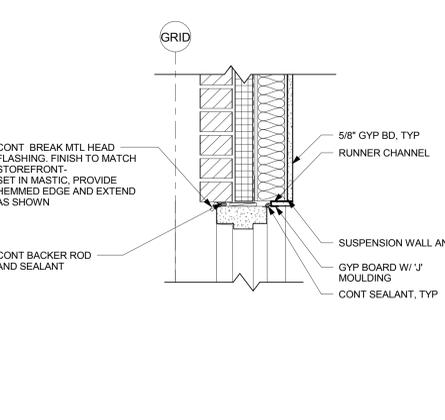
10 WINDOW HEAD @ RIENFORCED MASONRY WALL ( JAMB SIM )  
1 1/2" = 1'-0"



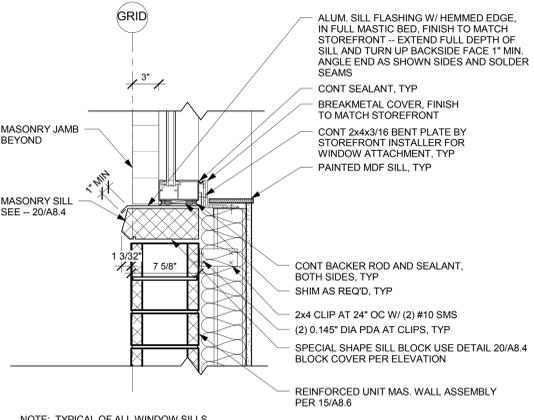
9 WINDOW SILL @ MTL PANEL  
1 1/2" = 1'-0"



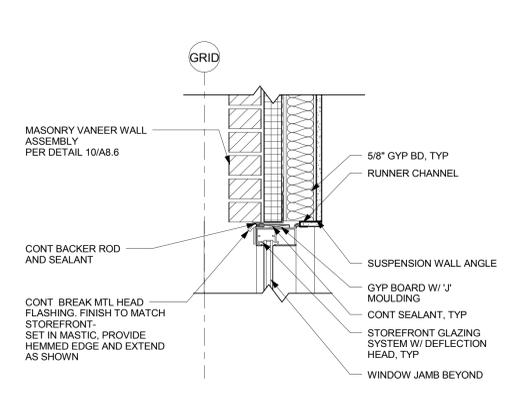
12 OVERHEAD DOOR JAMB  
3" = 1'-0"



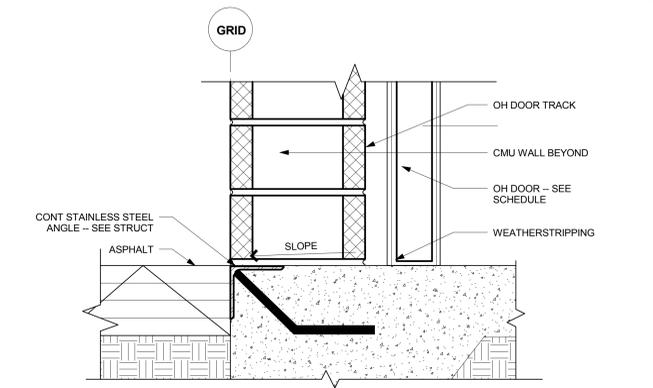
11 HM DOOR HEAD AT VENEER (JAMB SIM)  
1 1/2" = 1'-0"



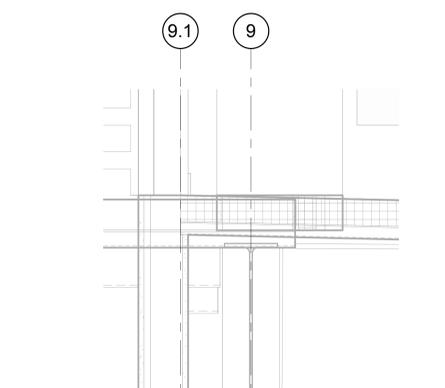
15 WINDOW SILL @ RIENFORCED MASONRY WALL  
1 1/2" = 1'-0"



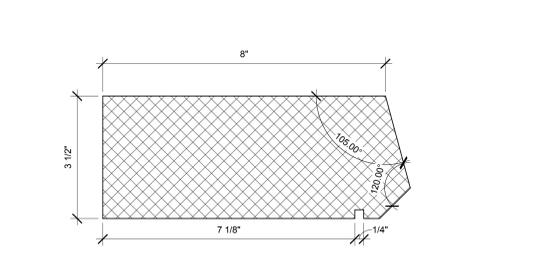
14 A8.4/2 - WINDOW HEAD @ MASONRY VENEER  
1 1/2" = 1'-0"



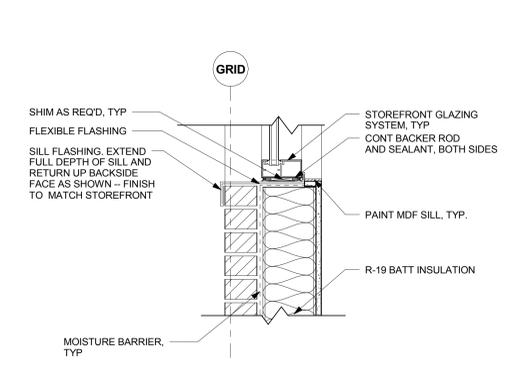
17 OVERHEAD DOOR SILL  
3" = 1'-0"



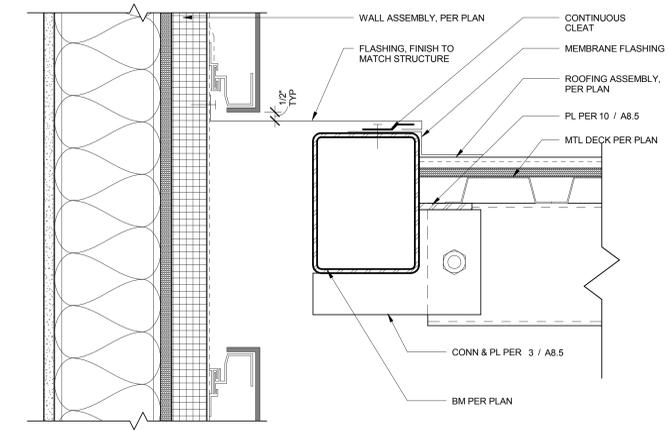
16 HOLLOW METAL DOOR SILL @ ROOF  
1 1/2" = 1'-0"



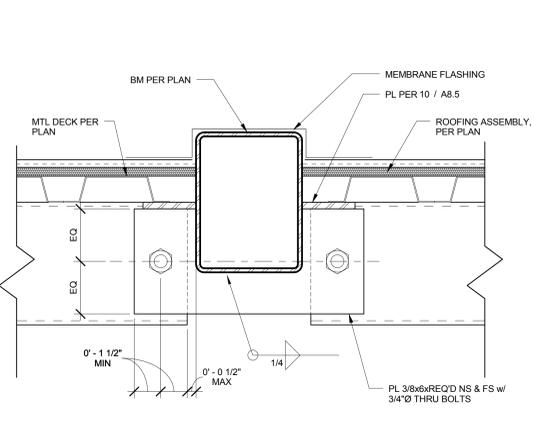
20 MASONRY SILL BLOCK  
6" = 1'-0"



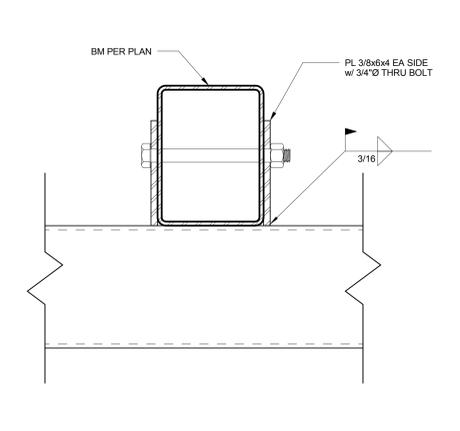
19 WINDOW SILL @ MASONRY VENEER  
1 1/2" = 1'-0"



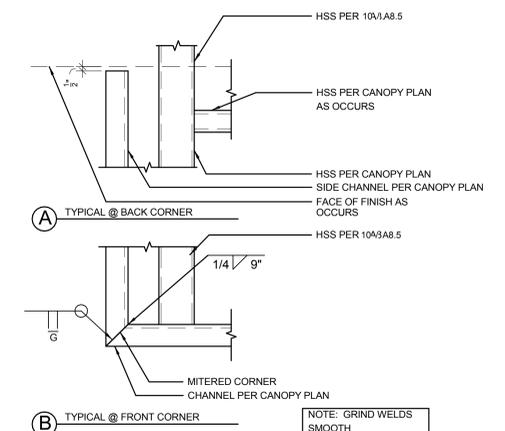
2 CANOPY - INTERIOR EDGE  
A8.5 3" = 1'-0"



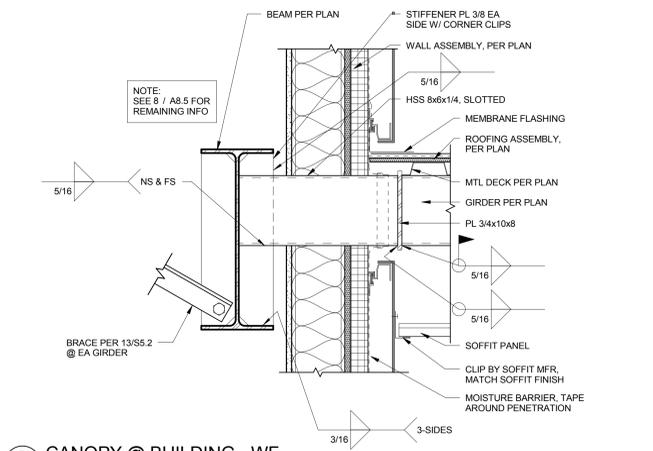
3 CANOPY - INTERMEDIATE SUPPORT  
A8.5 3" = 1'-0"



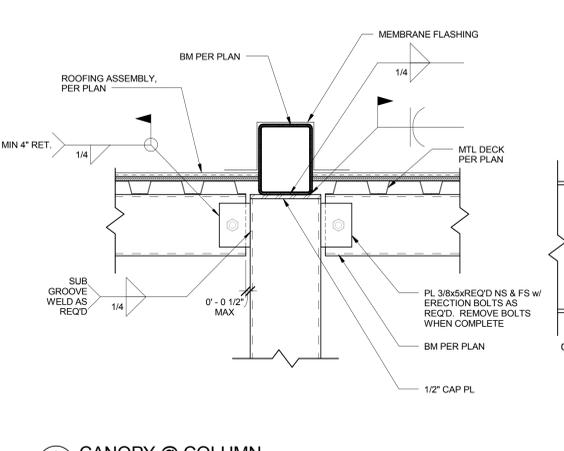
4 CANOPY TRANSFER GIRDER  
A8.5 3" = 1'-0"



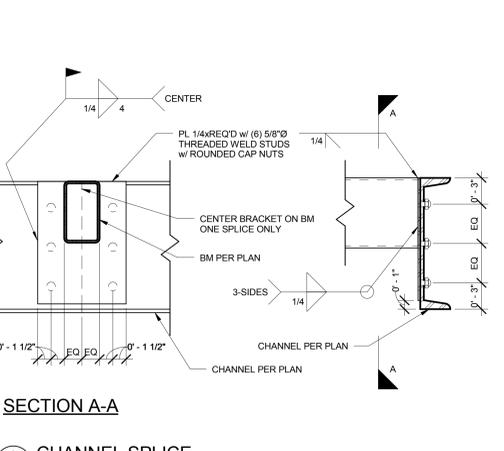
5 STEEL CANOPY DETAIL  
A8.5 1 1/2" = 1'-0"



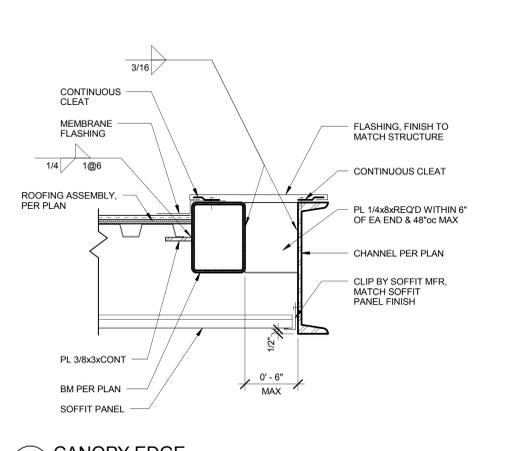
7 CANOPY @ BUILDING - WF  
A8.5 1 1/2" = 1'-0"



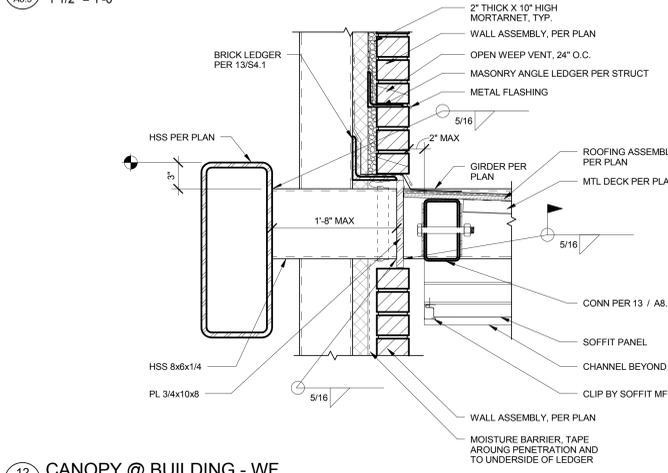
8 CANOPY @ COLUMN  
A8.5 1 1/2" = 1'-0"



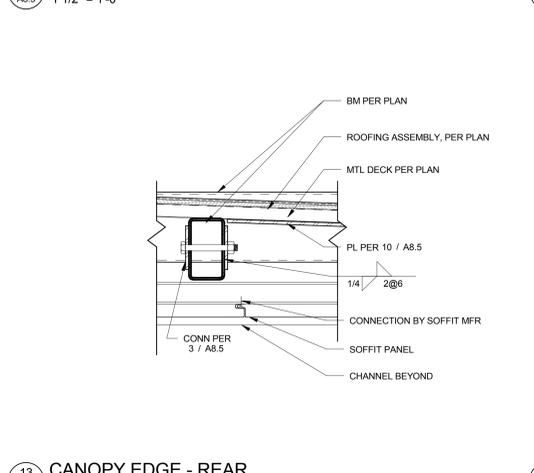
9 CHANNEL SPLICE  
A8.5 1 1/2" = 1'-0"



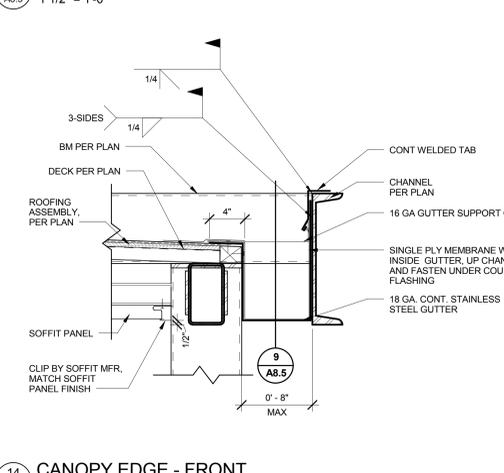
10 CANOPY EDGE  
A8.5 1 1/2" = 1'-0"



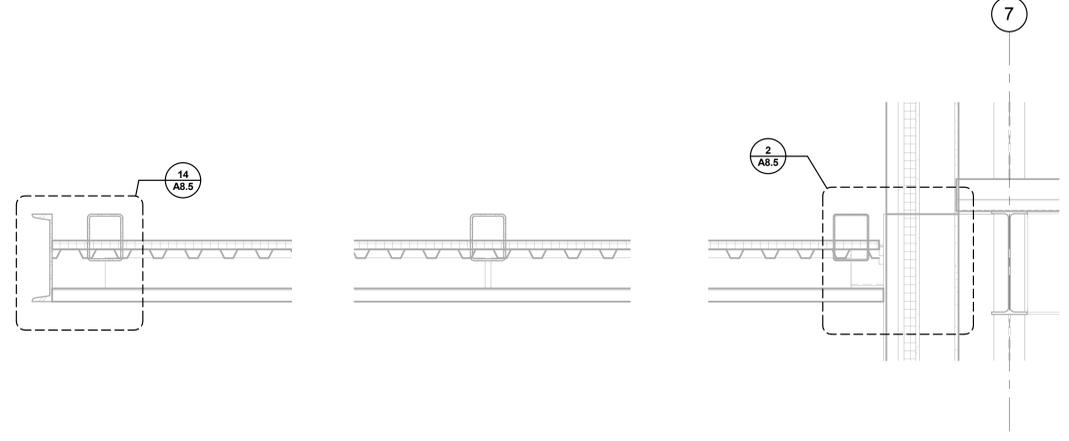
12 CANOPY @ BUILDING - WF  
A8.5 1 1/2" = 1'-0"



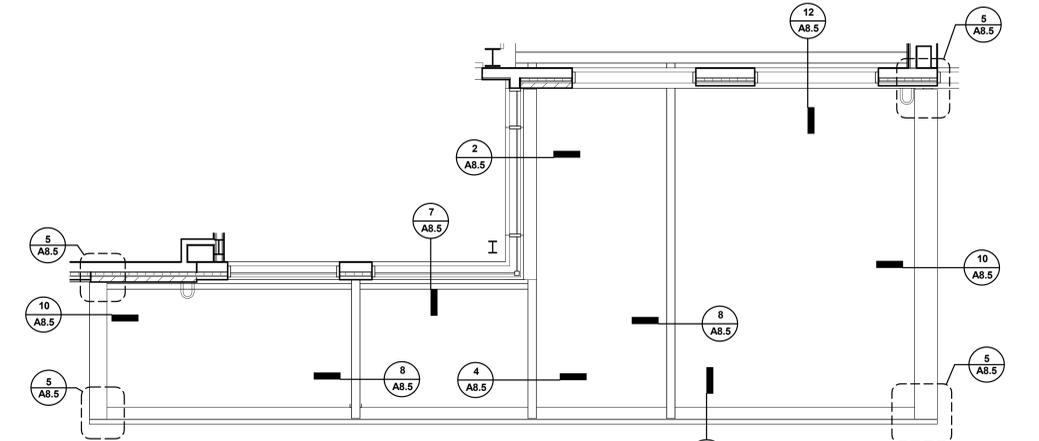
13 CANOPY EDGE - REAR  
A8.5 1 1/2" = 1'-0"



14 CANOPY EDGE - FRONT  
A8.5 1 1/2" = 1'-0"



16 CANOPY SECTION  
A8.5 1" = 1'-0"



18 ENTRY CANOPY PLAN  
A8.5 1/4" = 1'-0"

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**ENTRY CANOPY DETAILS**

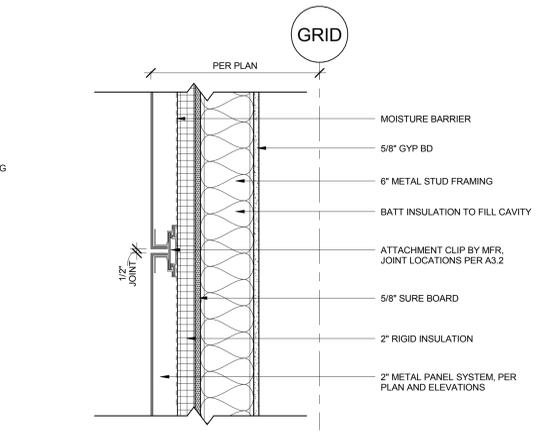
DRAWN BY: Author  
CHECKED BY: Checker  
SHEET

**A8.5**

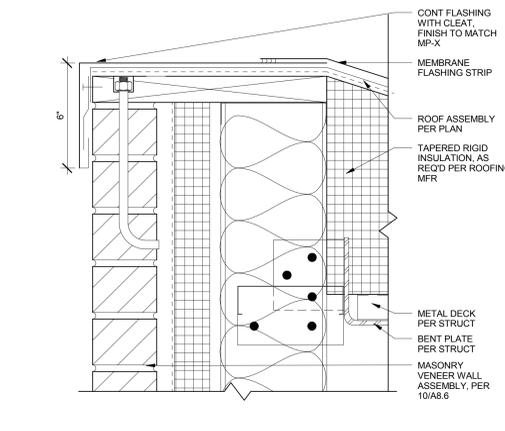
JOB NO. 2140284.02



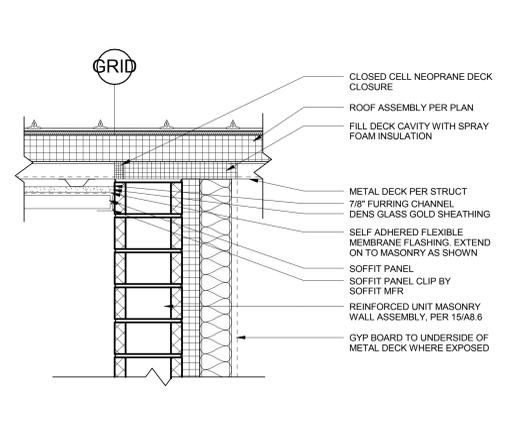
Revision Schedule	
Revision	Issue Date



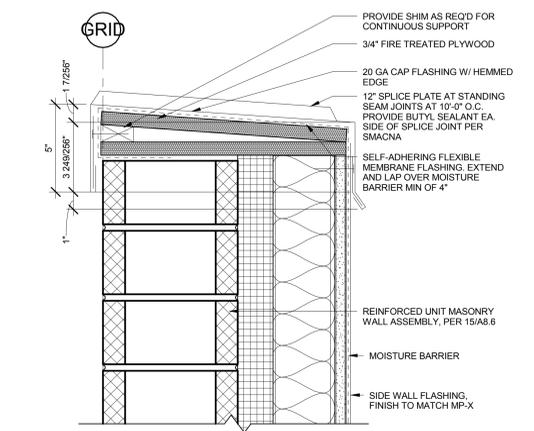
5 TYPICAL METAL PANEL WALL ASSEMBLY  
 A8.6 1 1/2" = 1'-0"



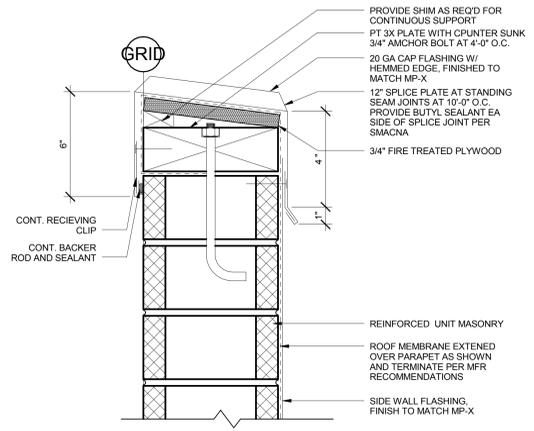
4 MASONRY VENEER PARAPET  
 A8.6 3" = 1'-0"



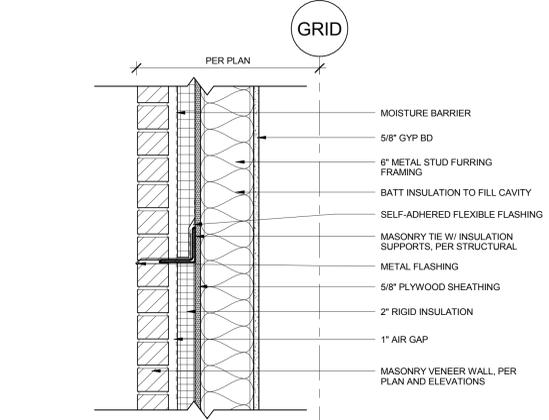
3 REINFORCED MAS. CONN. @ SLOPE ROOF  
 A8.6 1 1/2" = 1'-0"



2 REINFORCED MASONRY PARAPET CAP  
 A8.6 3" = 1'-0"



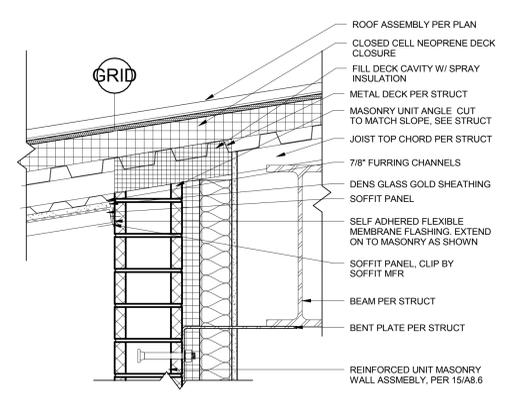
1 REINFORCED MASONRY PARAPET CAP  
 A8.6 3" = 1'-0"



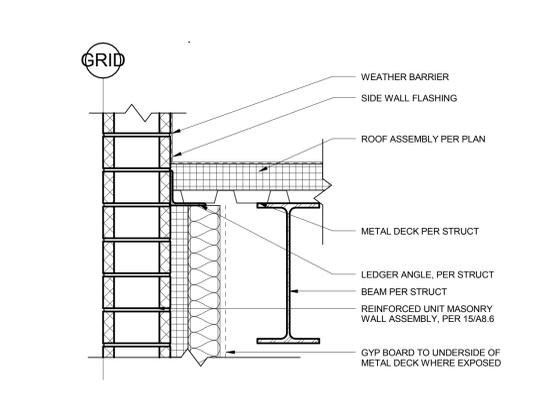
10 TYPICAL MASONRY VENEER WALL ASSEMBLY  
 A8.6 1 1/2" = 1'-0"



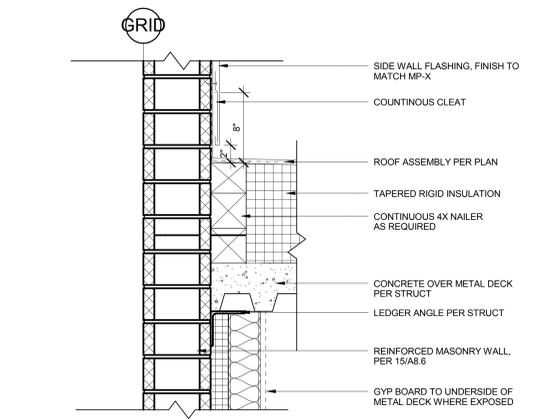
8 REINFORCED MASONRY CONN. @ SLOPED ROOF  
 A8.6 1 1/2" = 1'-0"



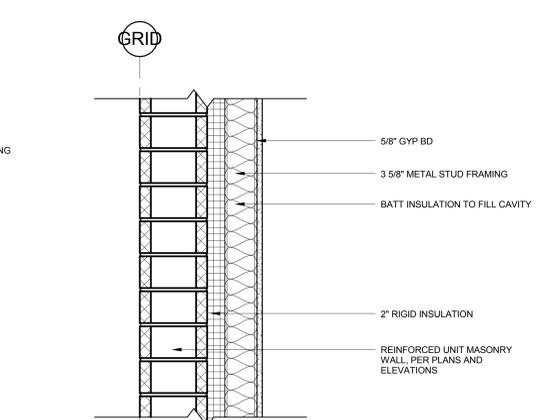
7 REINFORCED MAS. PARAPET ROOF CONN.  
 A8.6 1 1/2" = 1'-0"



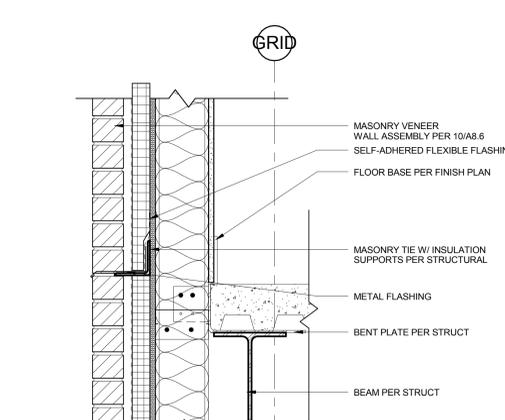
6 REINFORCED MAS. PARAPET ROOF CONN.  
 A8.6 1 1/2" = 1'-0"



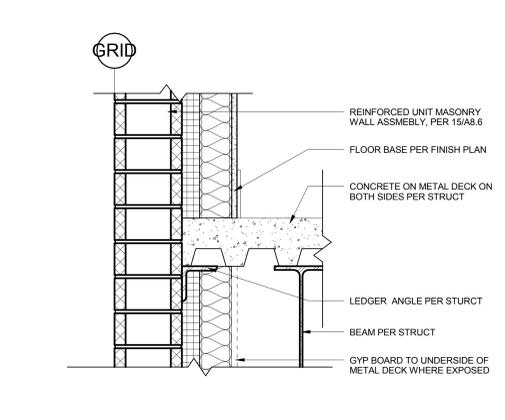
12 ROOF @ SALLY PORT/ REINFORCED MASONRY  
 A8.6 1 1/2" = 1'-0"



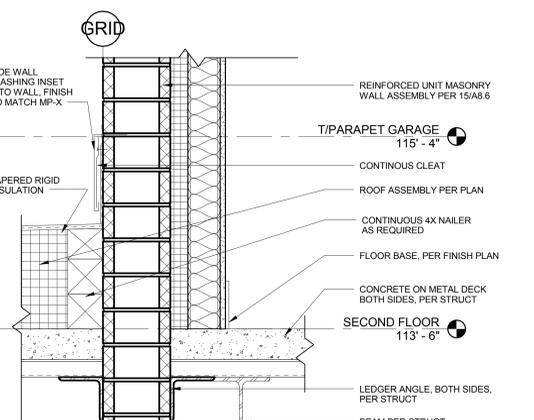
15 TYPICAL REINFORCED UNIT MAS. WALL ASSEMBLY  
 A8.6 1 1/2" = 1'-0"



14 FLOOR @ MASONRY VENEER  
 A8.6 1 1/2" = 1'-0"



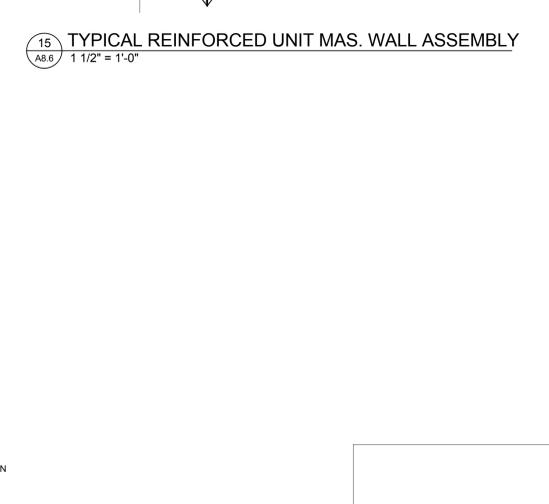
13 FLOOR @ REINFORCED MASONRY  
 A8.6 1 1/2" = 1'-0"



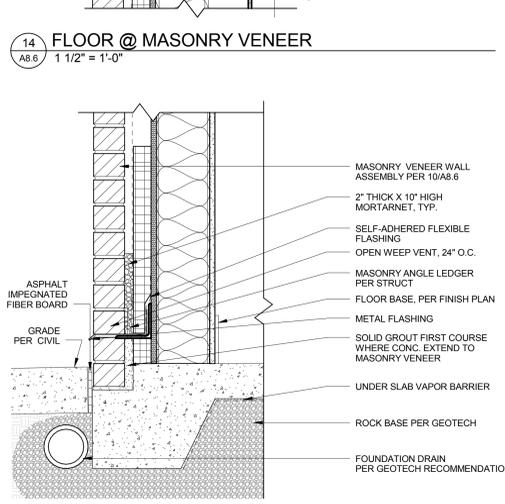
17 REINFORCED FOUNDATION  
 A8.6 1 1/2" = 1'-0"



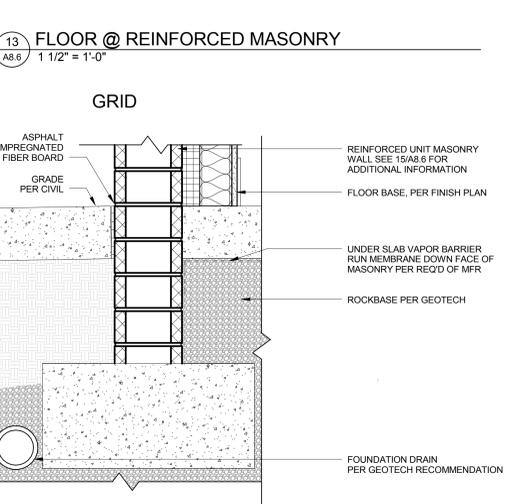
16 FOUNDATION @ REINFORCED MAS.  
 A8.6 1 1/2" = 1'-0"



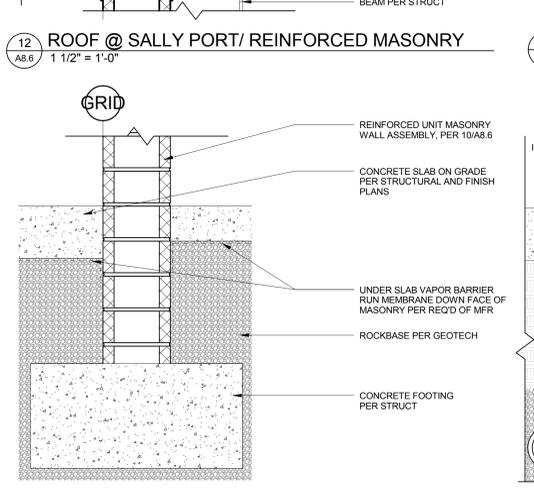
19 BASE VENEER  
 A8.6 1 1/2" = 1'-0"



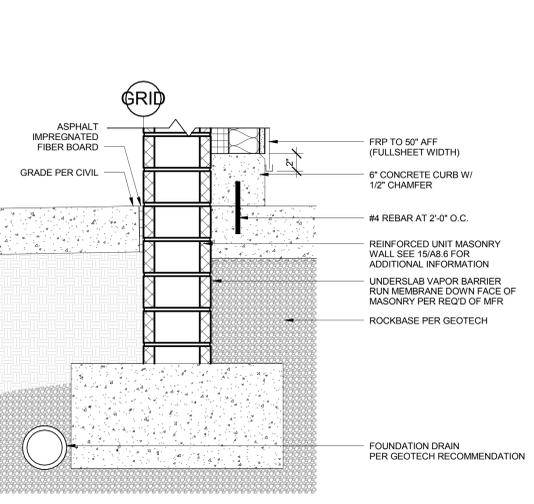
18 FOUNDATION AT REINFORCED MASONRY VENEER  
 A8.6 1 1/2" = 1'-0"



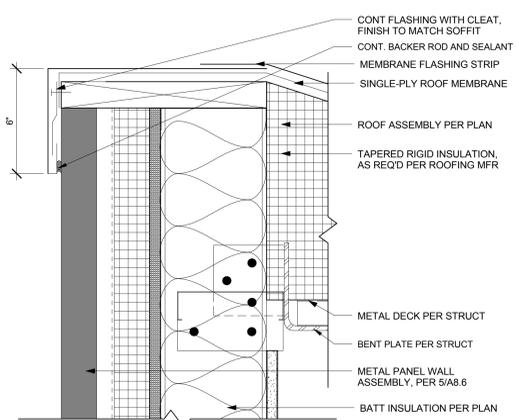
11 REINFORCED MAS. PARAPET ROOF CONN.  
 A8.6 1 1/2" = 1'-0"



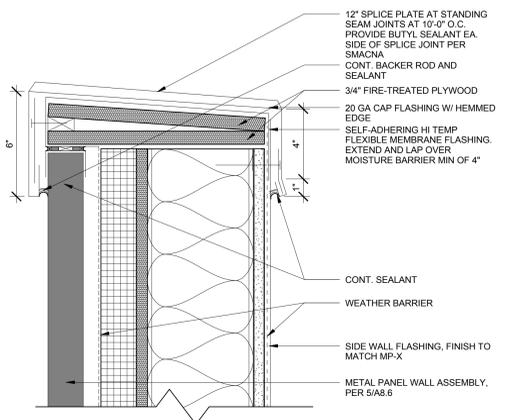
9 REINFORCED MAS. CONN. @ SLOPED ROOF  
 A8.6 1 1/2" = 1'-0"



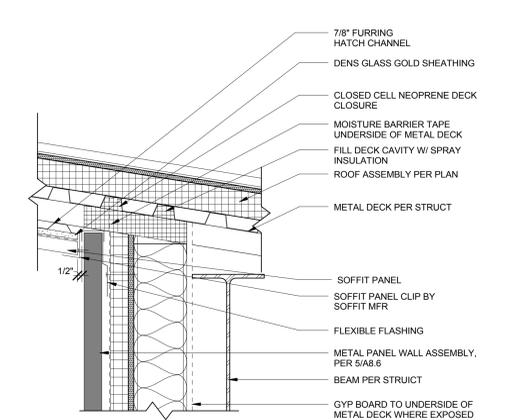
10 TYPICAL MASONRY VENEER WALL ASSEMBLY  
 A8.6 1 1/2" = 1'-0"



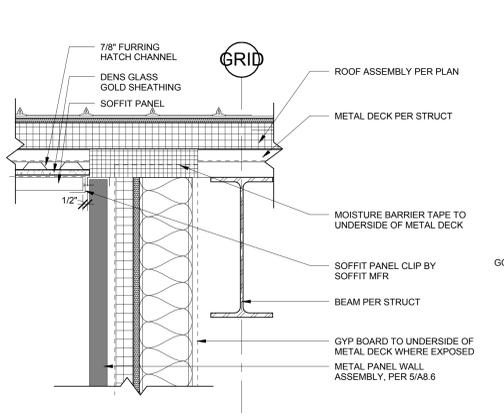
1 PARAPET CAP @ METAL PANEL  
3" = 1'-0"



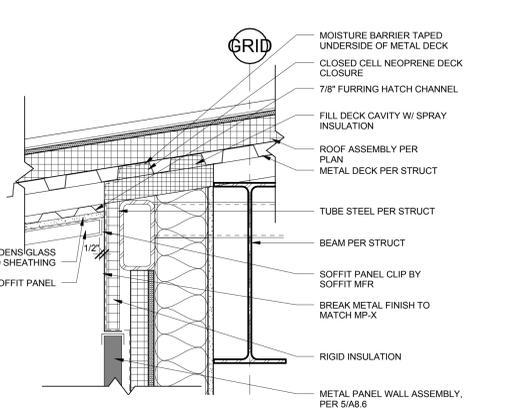
2 METAL PANEL PARAPET @ STAIR  
3" = 1'-0"



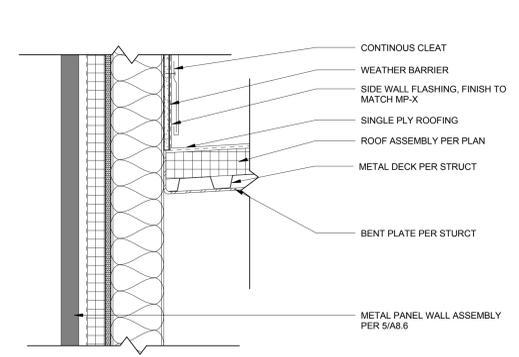
3 METAL PANEL @ SLOPED ROOF (HIGH)  
1 1/2" = 1'-0"



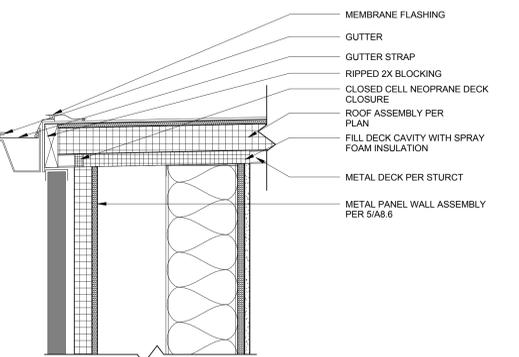
4 METAL PANEL @ SLOPED ROOF  
1 1/2" = 1'-0"



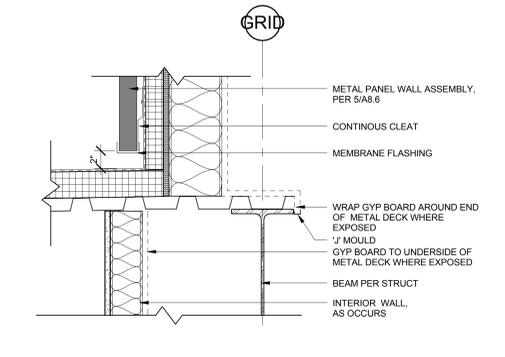
5 METAL PANEL CONNECTION TO ROOF  
1 1/2" = 1'-0"



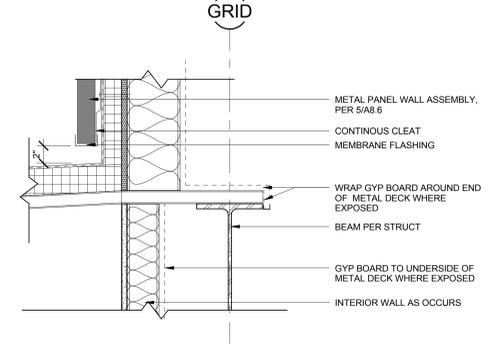
6 ROOF @ METAL PANEL / (MASONRY VENEER SIM)  
1 1/2" = 1'-0"



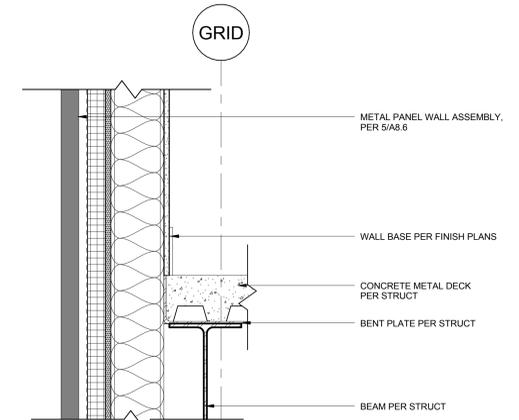
7 GUTTER @ MTL PANEL (STAIR #3)  
1 1/2" = 1'-0"



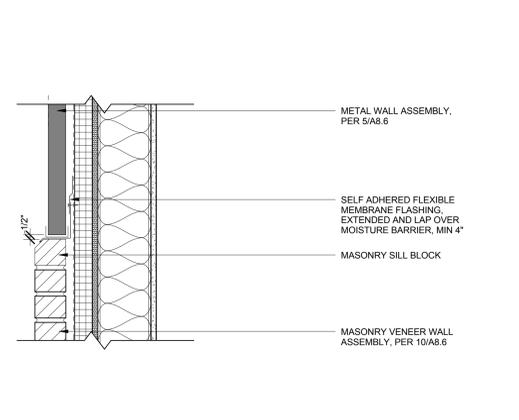
8 METAL PANEL @ SINGLE PLY ROOF  
1 1/2" = 1'-0"



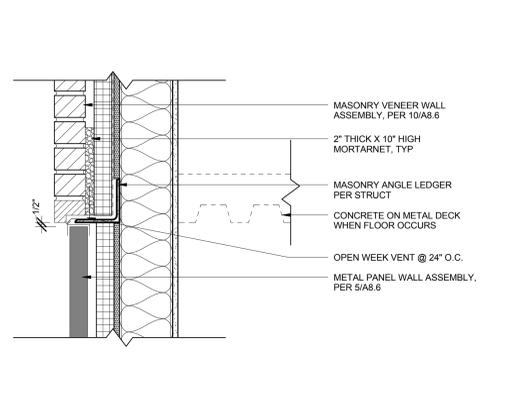
9 METAL PANEL @ SINGLE PLY ROOF  
1 1/2" = 1'-0"



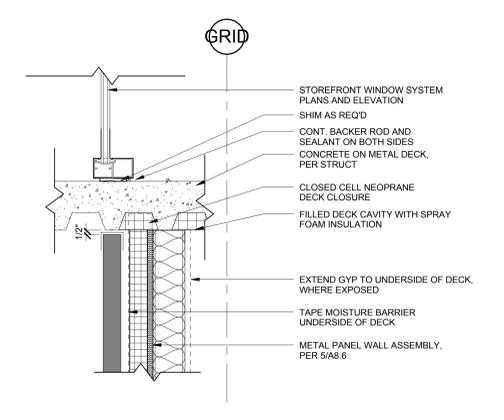
11 FLOOR @ METAL PANEL  
1 1/2" = 1'-0"



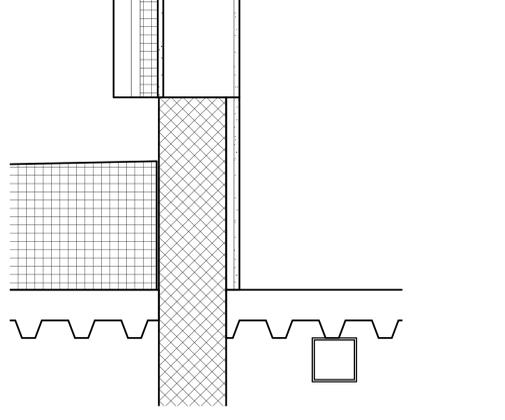
12 MASONRY SILL @ MTL PANEL/ MASONRY VENEER  
1 1/2" = 1'-0"



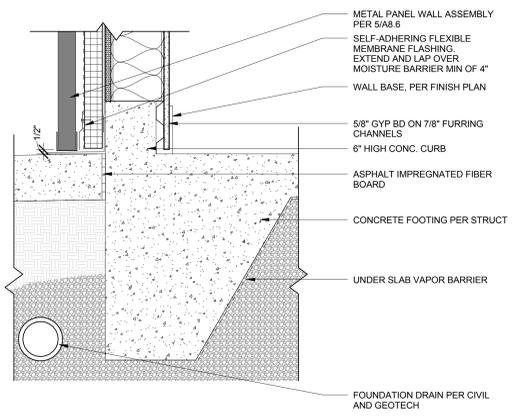
13 MASONRY VENEER ABOVE METAL PANEL  
1 1/2" = 1'-0"



14 METAL PANEL @ UNDERSIDE OF PATIO  
1 1/2" = 1'-0"



15 MTL PANEL ABOVE REINFORCED MASONRY  
1 1/2" = 1'-0"



16 BASE METAL PANEL  
1 1/2" = 1'-0"

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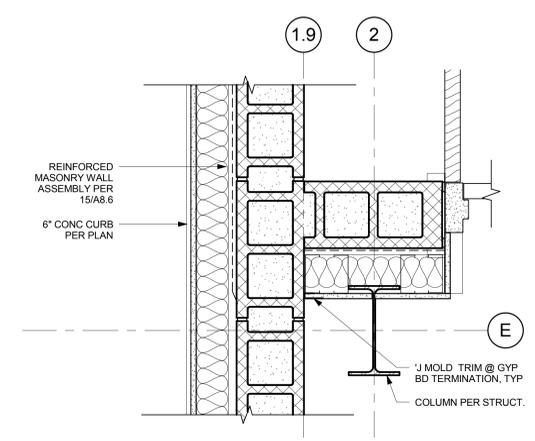
Revision Schedule	
Revision	Issue Date

SHEET TITLE:  
**WALL DETAILS (SECTION)**

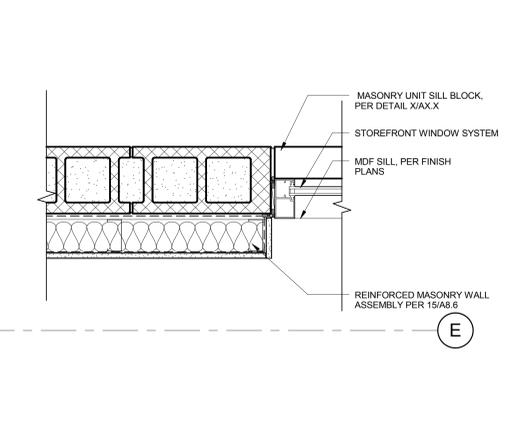
DRAWN BY: ILW  
CHECKED BY: CPC  
SHEET

**A8.7**

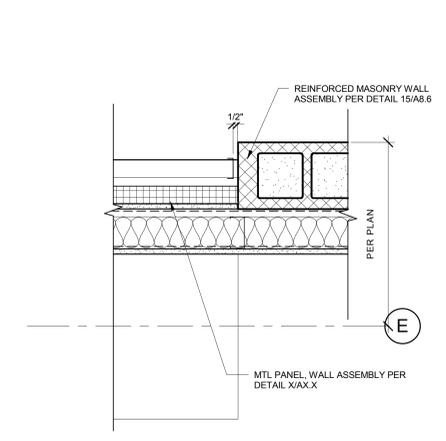
JOB NO. 2140284.02



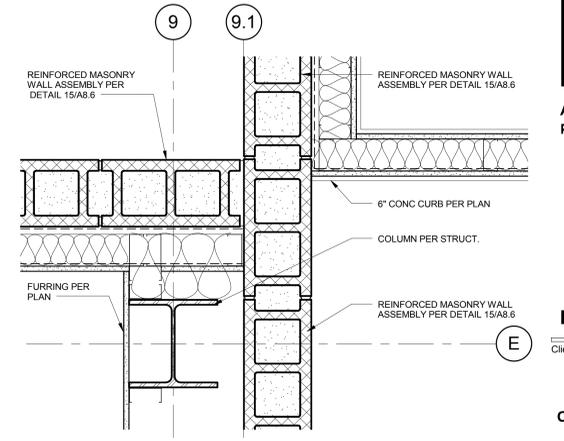
**2** REINFORCED MASONRY WALL-INSIDECORNER  
A8.8 1 1/2" = 1'-0"



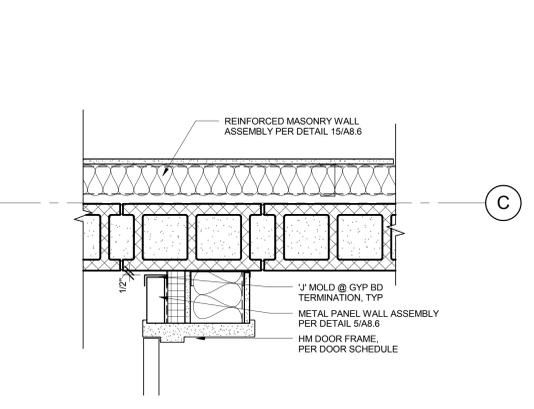
**3** STOREFRONT JAMB @ REINFORCED MASONRY WALL  
A8.8 1 1/2" = 1'-0"



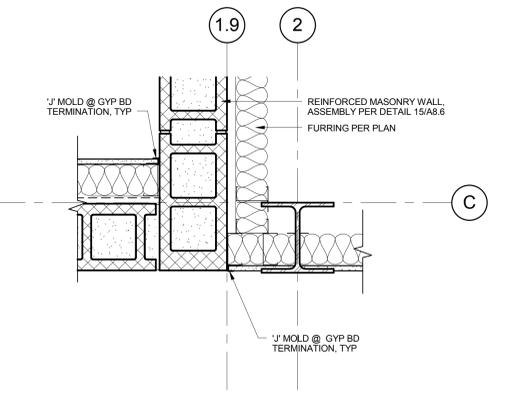
**4** MTL PANEL WALL @ REINFORCED MASONRY WALL  
A8.8 1 1/2" = 1'-0"



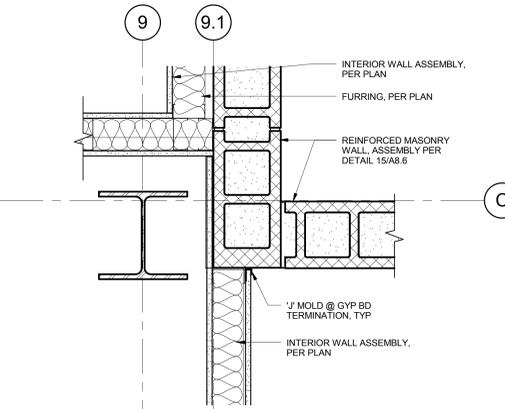
**5** REINFORCED MASONRY WALL-INSIDE CORNER  
A8.8 1 1/2" = 1'-0"



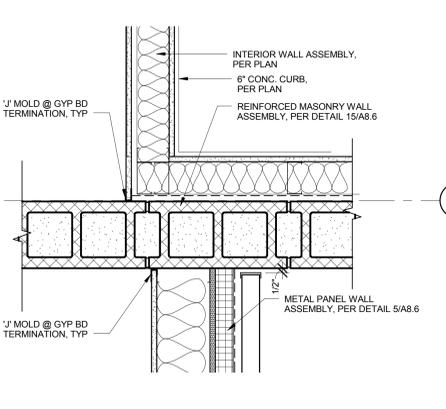
**6** MTL PNL WALL TO REINFORCED MASONRY WALL  
A8.8 1 1/2" = 1'-0"



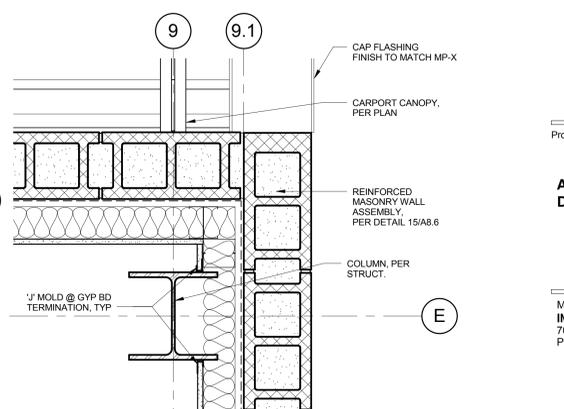
**7** REINFORCED MASONRY WALL-INTERIOR CORNER  
A8.8 1 1/2" = 1'-0"



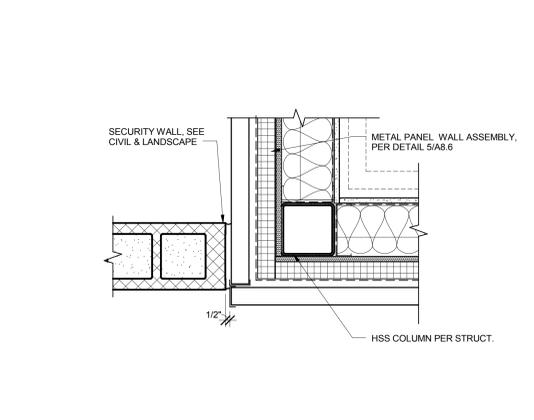
**8** REINFORCED MASONRY WALL-INTERIOR CORNER  
A8.8 1 1/2" = 1'-0"



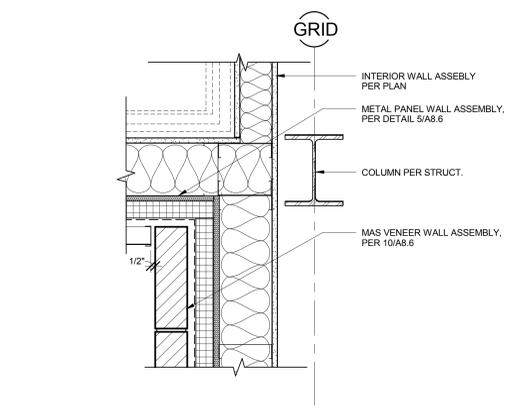
**9** MTL PANEL WALL TO REINFORCED MASONRY WALL  
A8.8 1 1/2" = 1'-0"



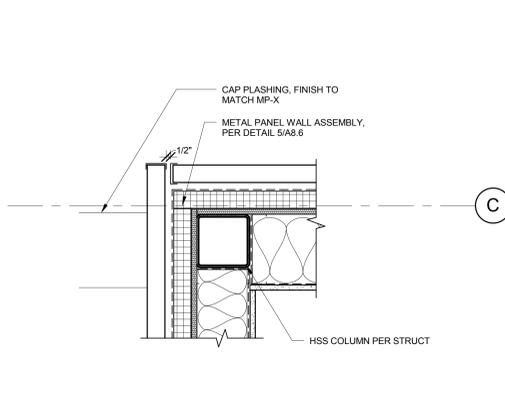
**10** REINFORCED MASONRY WALL @ PARAPET  
A8.8 1 1/2" = 1'-0"



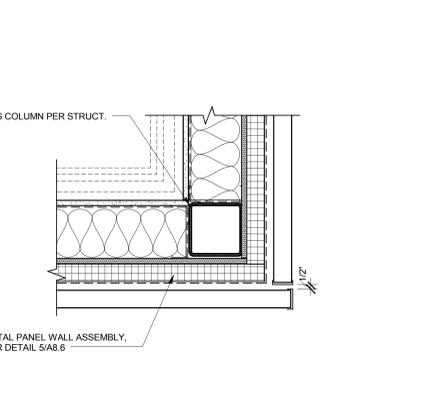
**11** CMU SECURITY WALL @ MTL PANEL  
A8.8 1 1/2" = 1'-0"



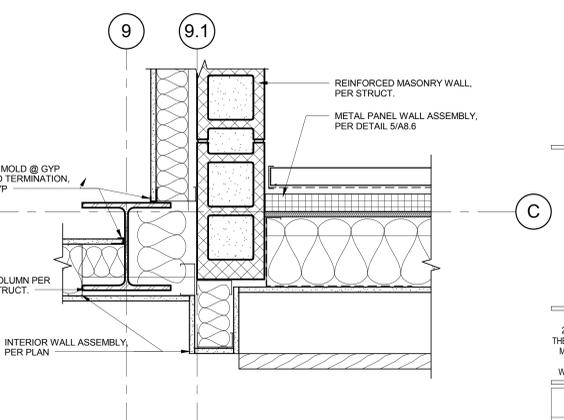
**12** MTL PANEL WALL TO BRICK VENEER WALL  
A8.8 1 1/2" = 1'-0"



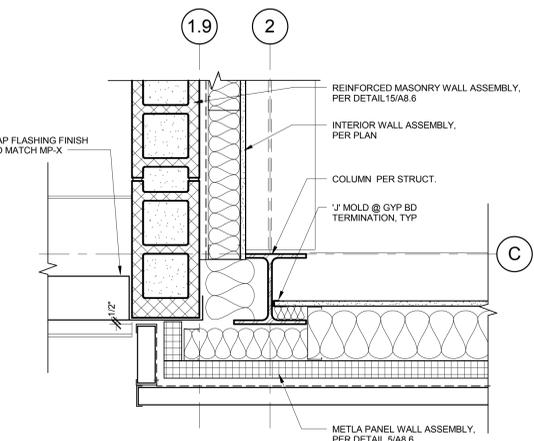
**13** MTL PANEL WALL CORNER @ PARAPET  
A8.8 1 1/2" = 1'-0"



**14** METAL PANEL WALL CORNER @ STAIR  
A8.8 1 1/2" = 1'-0"



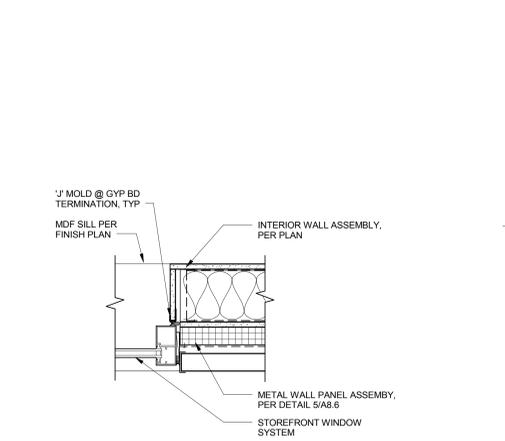
**15** MTL PNL WALL @ CORNER PARAPET  
A8.8 1 1/2" = 1'-0"



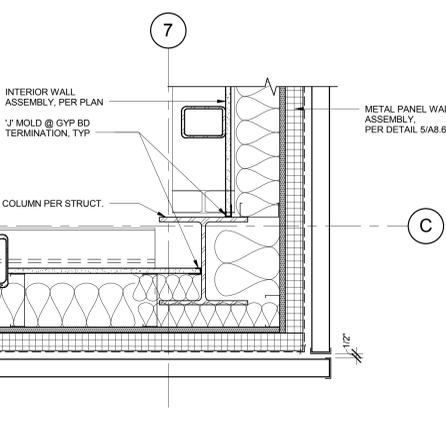
**16** MTL PNL CORNER @ REINFORCED MASONRY  
A8.8 1 1/2" = 1'-0"



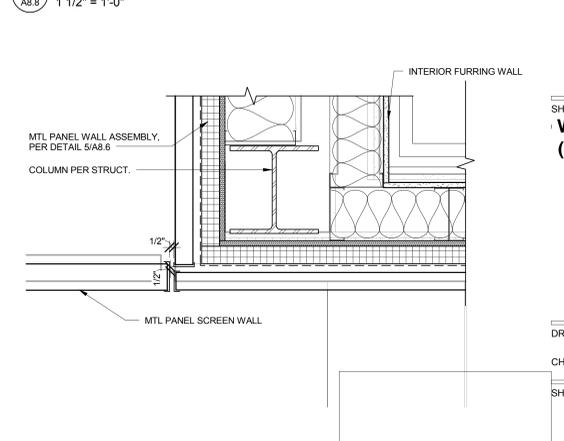
**17** MTL PANEL WALL CORNER @ PARAPET  
A8.8 1 1/2" = 1'-0"



**18** STOREFRONT JAMB DETAIL @ MTL PANEL  
A8.8 1 1/2" = 1'-0"



**19** MTL PNL CORNER @ ROOF  
A8.8 1 1/2" = 1'-0"



**20** MTL PNL WALL CORNER @ SCREEN WALL  
A8.8 1 1/2" = 1'-0"

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**WALL DETAILS (PLAN)**

DRAWN BY: Author  
CHECKED BY: Checker  
SHEET

**A8.8**

JOB NO. 2140284.02

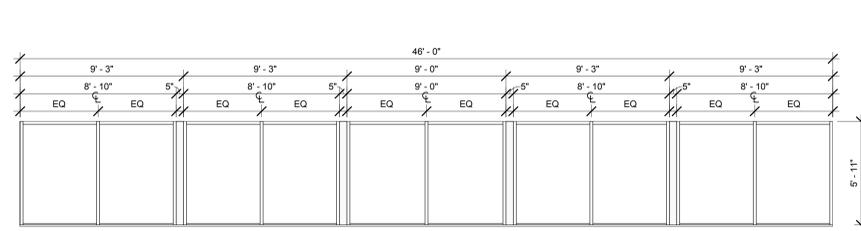




Revision Schedule	
Revision Delta	Issue Date

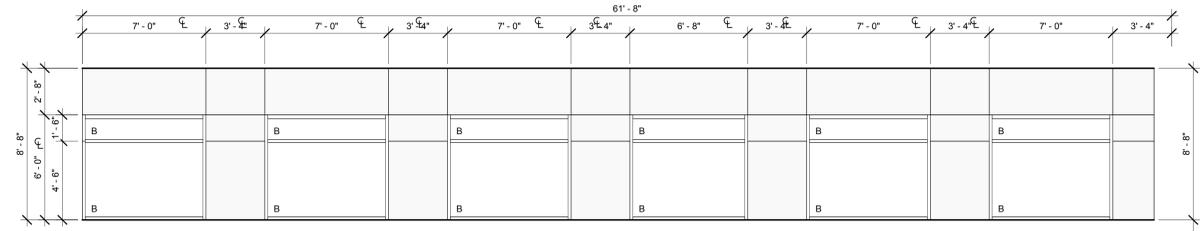
DOOR SCHEDULE -- 1ST FLOOR															
Door	Door					Frame			Detail			Hdwr Group	Rating	Comments	
	Width	Height	Thk	Type	Mat'l	Finish	Type	Mat'l	Finish	Head	Jamb				Sill
101A	6'-0"	8'-0"	2"	G	AL/GL	GL/FF	SF	AL	FF	MFR	MFR	16/A1.1	H-22		7
101B	6'-0"	8'-0"	2"	G	AL/GL	GL/FF	SF	AL	FF	1/A8.4	-	16/A1.1	H-9		1, 7
102A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-10		1, 3, 11, 5
103A	5'-8"	8'-0"	2"	F	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-10		1, 4
103B	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	12/A8.4	12/A8.4	17/A1.1	H-10		1
104A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-3		
105A	6'-0"	8'-0"	1 3/4"	F	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-10		
106A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-3		
107A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1, 4
107B	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-14		
109A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-8		
110A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-8		
111A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-3		
113A	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1, 4, 10, 17
113B	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1, 3, 4, 10
114A	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1, 4, 6, 10, 17
114B	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1, 3, 4, 10
118A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-2		
119A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-5		4
120A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-2		
121A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-7		4
122A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-7		4
123A	3'-0"	8'-0"	1 3/4"	B	HM	P	HM	STL	P	12/A1.1	12/A1.1	-	H-8		
123B	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-8		
127A	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-8		
127B	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-8		
131A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-2		
132A	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-23		
132B	3'-0"	8'-0"	1 3/4"	B	HM	P	HM	STL	P	12/A8.4	17/A8.4	17/A1.1	H-9		1
133A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1
133B	3'-0"	8'-0"	1 3/4"	K	STL	PC	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1, 9
135A	3'-0"	8'-0"	1 3/4"	C1	HM	P	HM	STL	P	12/A1.1	12/A1.1	-	H-1		12
135B	4'-0"	8'-0"	1 3/4"	N	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-11		4
135C	4'-0"	8'-0"	1 3/4"	N	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-11		4
136A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-12		1
137A	10'-0"	10'-0"	2"	M	STL	GL/P	STL	AL	FF	2/A8.4	12/A8.4	17/A8.4	H-15		
137B	10'-0"	10'-0"	2"	M	STL	GL/P	STL	AL	FF	2/A8.4	12/A8.4	17/A8.4	H-15		
137C	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-6		1
137D	4'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-12		1
138A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-1		
139A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1
141A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-9		1, 8
142A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-12		1
145A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-2		12
145B	3'-0"	8'-0"	1 3/4"	C1	HM	P	HM	STL	P	12/A1.1	12/A1.1	-	H-3		
146A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-21		15
147A	3'-0"	8'-0"	1 3/4"	D	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-5		
148A	3'-0"	8'-0"	1 3/4"	D	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-5		
149A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-2		
150A	7'-0"	8'-0"	2"	J	AL/GL	GL/FF	SF	AL	FF	MFR	MFR	MFR	H-18		1, 5
150B	7'-0"	8'-0"	2"	J	AL/GL	GL/FF	SF	AL	FF	MFR	MFR	MFR	H-18		
151A	3'-0"	8'-0"	1 3/4"	E1	SC	S	HM	STL	P	12/A1.1	13/A1.1	-	H-1		4
152A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-1		
152B	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	12/A1.1	12/A1.1	-	H-13		1, 4
153A	3'-0"	8'-0"	2"	H	AL/GL	GL/FF	SF	AL	FF	12/A1.1	12/A1.1	-	H-5		
154A	3'-0"	8'-0"	2"	H	AL/GL	GL/FF	SF	AL	FF	12/A1.1	12/A1.1	-	H-5		
155A	3'-0"	8'-0"	1 3/4"	C	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-16		17
156A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	4/A8.4	-	H-1		4
156B	2'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	4/A8.4	-	H-20		
156C	2'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	4/A8.4	-	H-20		
156D	3'-0"	8'-0"	1 3/4"	B	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-13		1, 6, 14, 17
157A	3'-0"	8'-0"	1 3/4"	N	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-26		1
158A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-8		
159A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-13		1, 13
160A	3'-4"	8'-0"	2"	L	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-17		17
161A	3'-4"	8'-0"	2"	L	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-17		17
162A	3'-4"	8'-0"	2"	L	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-17		17
163A	3'-4"	8'-0"	2"	L	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-17		17
164A	3'-4"	8'-0"	2"	L	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-17		17
165A	3'-0"	8'-0"	1 3/4"	B	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-13		1, 4, 17
166A	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-5		16, 4, 17
167A	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-5		16, 4, 17
168A	3'-0"	8'-0"	1 3/4"	B1	SC	S	HM	STL	P	7/A1.1	7/A1.1	-	H-23		
168B	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	-	H-27		1
169A	3'-0"	8'-0"	1 3/4"	B	HM	P	HM	STL	P	7/A1.1	4/A8.4	17/A1.1	H-9		1
170A	10'-0"	10'-0"	2"	M	STL	GL/P	STL	AL	P	2/A8.4	12/A8.4	17/A8.4	H-19		1, 6
170B	10'-0"	10'-0"	2"	M	STL	GL/P	STL	AL	P	2/A8.4	12/A8.4	17/A8.4	H-15		1
170C	3'-0"	8'-0"	1 3/4"	B	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-13		1
171A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	12/A1.1	12/A1.1	-	H-2		
172A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	12/A1.1	12/A1.1	-	H-2		
173A	3'-0"	8'-0"	1 3/4"	C1	HM	P	HM	STL	P	12/A1.1	12/A1.1	-	H-2		
174A	3'-0"	8'-0"	1 3/4"	A1	HM	P	HM	STL	P	7/A1.1	7/A1.1	17/A1.1	H-9		1

DOOR SCHEDULE -- 2ND FLOOR															
Door	Door					Frame			Detail			Hdwr Group	Rating	Comments	
	Width	Height	Thk	Type	Mat'l	Finish	Type	Mat'l	Finish	Head	Jamb				Sill
201A	3'-0"	8'-0"	1 3/4"	D	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-28		1, 3, 11, 2
203A	3'-0"	8'-0"	1 3/4"	A	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-3		
204A	3'-0"	8'-0"	1 3/4"	E1	SC	S	HM	STL	P	12/A1.1	13/A1.1	-	H-1		
205A	3'-0"	8'-0"	1 3/4"	D	SC	S	HM	STL	P	12/A1.1	12/A1.1	-	H-1		4
206A	3'-0"	8'-0"	1 3/4"	E1	SC	S	HM	STL	P	12/A1.1	13/A1.1	-	H-5		4
207A	3'-0"	8'-0"	1 3/4"	E1	SC	S	HM	STL	P	12/A1.1	13/A1.1	-	H-5		4
208A	3'-0"	8'-0"	1 3/4"	E1	SC	S	HM	STL	P	12/A1.1	13/A1.1	-	H-5		4
209A	3'-0"	8'-0"	1 3/4"	E1	SC	S	HM	STL	P	12/A1.1	13/A1.1	-	H-5		4
210A	3'-														



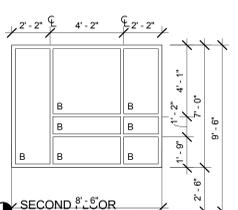
SECOND FLOOR  
113' - 6"

Bb



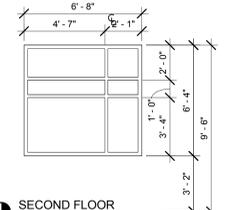
SECOND FLOOR  
113' - 6"

Ba



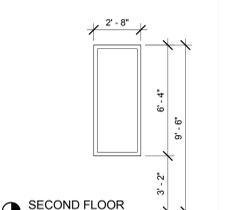
SECOND FLOOR  
113' - 6"

C



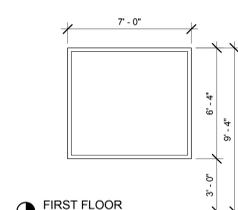
SECOND FLOOR  
113' - 6"

D



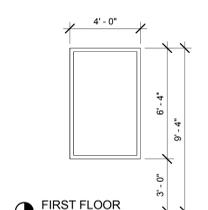
SECOND FLOOR  
113' - 6"

Ea



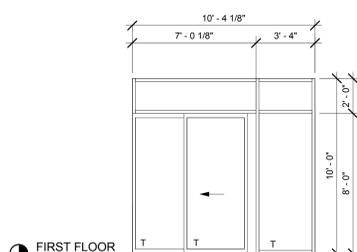
FIRST FLOOR  
100' - 0"

Eb



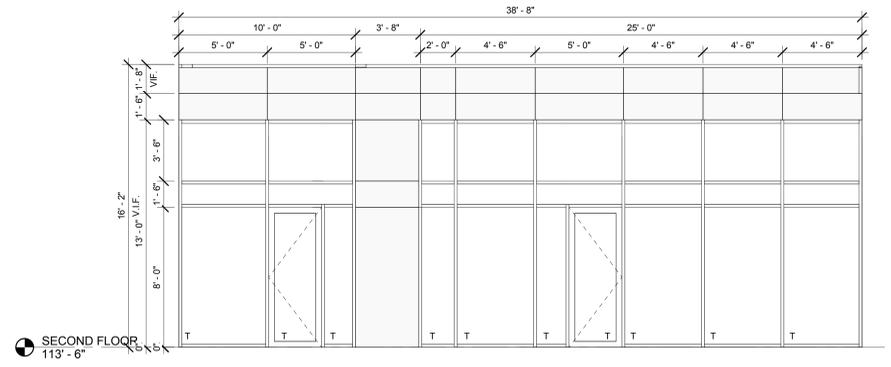
FIRST FLOOR  
100' - 0"

Ec



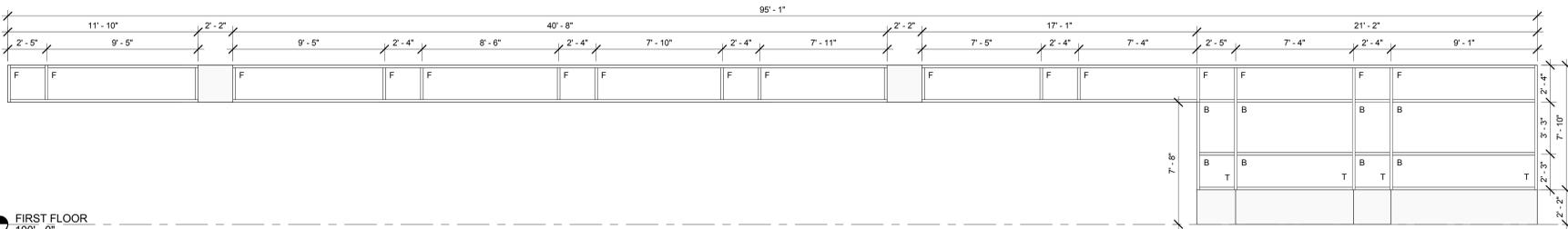
FIRST FLOOR  
100' - 0"

Fa



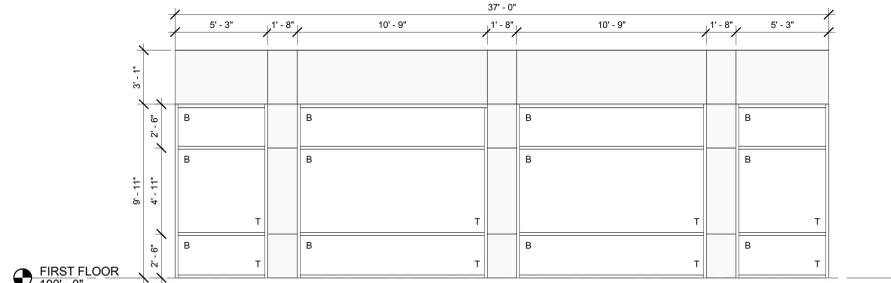
SECOND FLOOR  
113' - 6"

Fb



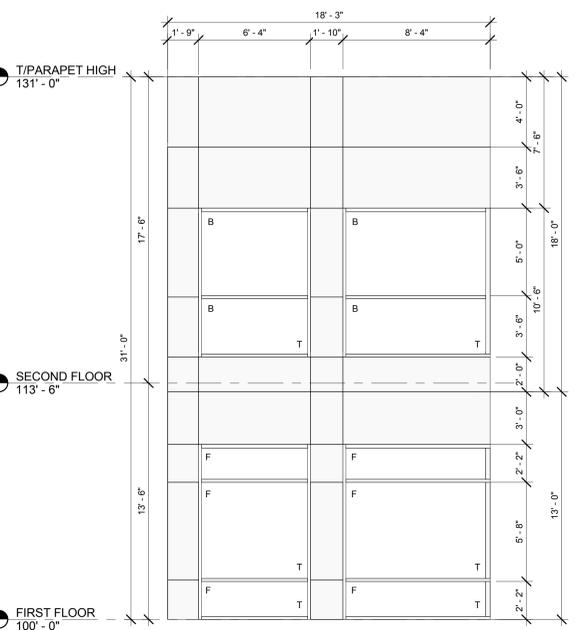
FIRST FLOOR  
100' - 0"

G



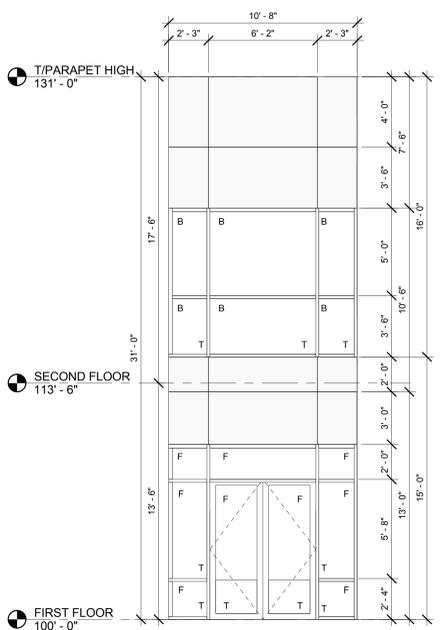
FIRST FLOOR  
100' - 0"

H



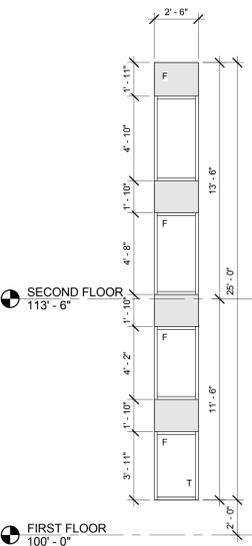
SECOND FLOOR  
113' - 6"

Ja



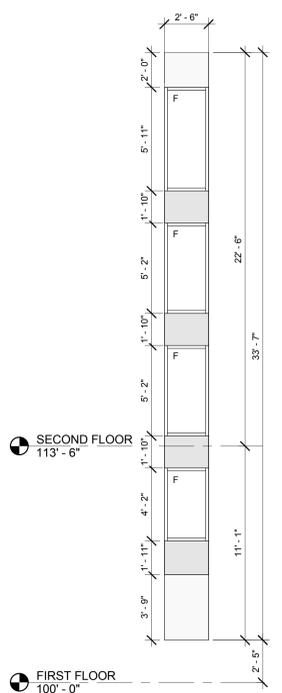
SECOND FLOOR  
113' - 6"

Jb



SECOND FLOOR  
113' - 6"

Ka



SECOND FLOOR  
113' - 6"

Kb

**LEGEND**

- ① WINDOW TYPE - SEE BUILDING ELEVATIONS FOR LOCATIONS
- ①<sub>int</sub> INTERIOR WINDOW TYPE - SEE FLOOR PLANS FOR LOCATIONS
- T TEMPERED GLAZING
- F BLASTGUARD FILM
- B BULLET RESISTANT
- METAL PANEL WALL - MP-1
- METAL PANEL WALL - MP-2
- +— PANEL JOINT

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**EXTERIOR WINDOW SCHEDULE**

DRAWN BY: CRR  
CHECKED BY: CPC

SHEET

**A9.2**

JOB NO. 2140284.02



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Revision Schedule	
Revision	Issue Date
Delta	

SHEET TITLE:

**INTERIOR  
WINDOW  
SCHEDULE**

DRAWN BY: MHB

CHECKED BY: Checker

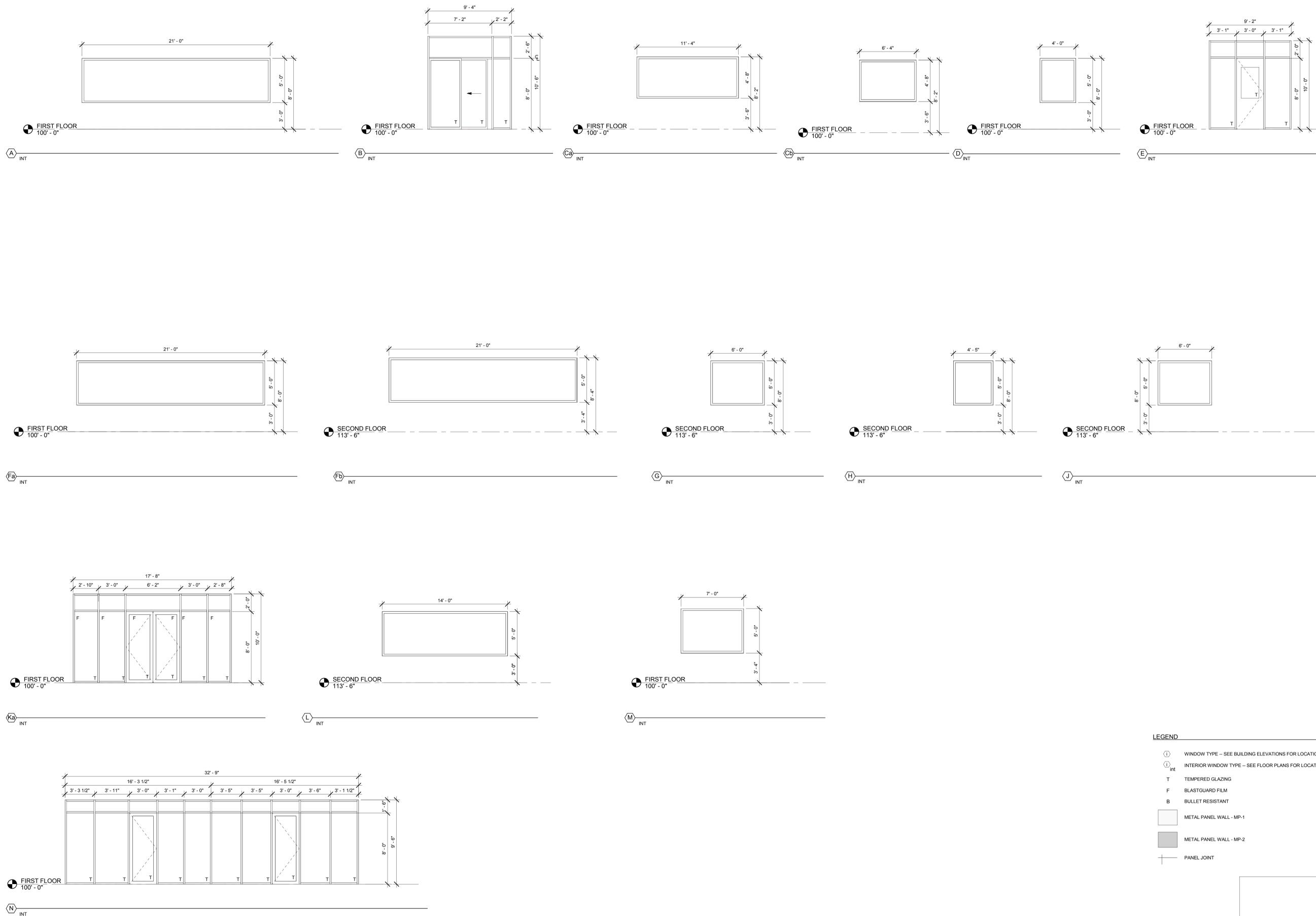
SHEET

**A9.3**

JOB NO. 2140284.02

90% CONSTRUCTION DOCUMENT SET: 01/08/16

C:\Users\PL\AppData\Local\Temp\Local Models\Police\24-Albany\Police-Lvt 1/8/2016 11:18:48 AM 1/4" = 1'-0"



**LEGEND**

- ① WINDOW TYPE - SEE BUILDING ELEVATIONS FOR LOCATIONS
- ①<sub>int</sub> INTERIOR WINDOW TYPE - SEE FLOOR PLANS FOR LOCATIONS
- T TEMPERED GLAZING
- F BLASTGUARD FILM
- B BULLET RESISTANT
- METAL PANEL WALL - MP-1
- METAL PANEL WALL - MP-2
- PANEL JOINT

# GENERAL STRUCTURAL NOTES

## DESIGN CRITERIA

1. GOVERNING BUILDING CODE: 2014 OREGON STRUCTURAL SPECIALTY CODE	
2. OCCUPANCY CATEGORY	IV
3. LIVE LOAD	80 PSF
ROOF	25 PSF
2ND FLOOR (OFFICE)	80 PSF
4. SNOW	20 PSF
GROUND SNOW (Pg)	20 PSF
FLAT ROOF SNOW LOAD (Pi)	20 PSF
SLOPED ROOF SNOW (Ps)	25 PSF
IMPORTANCE FACTOR (I)	1.2
(SNOW BUILD-UP IN ACCORDANCE W/ IBC)	
5. WIND	130 MPH
BASIC WIND SPEED (3 SECOND GUST)	130 MPH
C. EXPOSURE	C
6. SEISMIC	0.899
0.2 SEC. SPECTRAL RESPONSE ACCELERATION (Sa)	0.899
1.0 SEC. SPECTRAL RESPONSE ACCELERATION (S1)	0.440
DESIGN SPECTRAL ACCELERATION (SDS)	0.684
DESIGN SPECTRAL ACCELERATION (SD1)	0.457
SEISMIC CLASSIFICATION	D
SEISMIC DESIGN CATEGORY	D
IMPORTANCE FACTOR	1.5
SEISMIC FORCE RESISTING SYSTEM (SFRS)	BUILDING (ALL LEVELS)
BEARING SPECIAL REINFORCED MASONRY SHEARWALLS	5.0
DESIGN RESPONSE COEFFICIENT (Cs)	0.205
BASE SHEAR COEFFICIENT (Cb)	1.0
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE	Va Cs + W

## GENERAL

- THE PROJECT SPECIFICATIONS, DRAWINGS, STANDARD DETAILS, DETAILS IN THE DRAWINGS, AND THE STRUCTURAL NOTES ARE TO BE COMPLEMENTARY. IN THE CASE OF AN INCONSISTENCY NOT CLARIFIED BY THE DESIGNER OF RECORD THE MOST STRINGENT, HIGHEST QUALITY AND BEST QUALITY PROVISIONS SHALL BE PROVIDED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- DO NOT SCALE DRAWINGS. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE WITH AMENDMENTS.
- SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
  - SIZE AND LOCATION OF ALL OPENINGS, EXCEPT AS NOTED.
  - SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING WALLS.
  - SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSION AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
  - SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS, EXCEPT AS SHOWN.
  - FLOOR AND ROOF FINISHES.
  - STAIR FRAMING AND DETAILS, EXCEPT AS SHOWN.
- DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
  - PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
  - ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
  - CONCRETE INSERTS FOR FIXTURES.
  - SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.
- SEISMIC BRACING REQUIREMENTS.
- METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS AND VISITORS DURING CONSTRUCTION. SUCH MEASURE SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION LOADS, ETC. VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE REVIEW OF THE ABOVE ITEMS.
- PERFORM ONE SLUMP TEST FOR EACH SET OF TEST CYLINDERS TAKEN FOLLOWING PROCEDURES OF ASTM C193.14M. PERFORM ONE AIR CONTENT TEST FOR EACH SET OF COMPRESSIVE STRENGTH SPECIMENS. COMPLYING ASTM C231.
- WHERE INDICATED ON THE DRAWINGS, INTERNATIONALLY ROUGHENED CONCRETE SHALL BE CLEAN AND FREE OF LATIANCE AND ROUGHENED TO A FULL AMPLITUDE OF 1/4".
- MADE IN EVERY INSTANCE.
- ANY REFERENCES TO THE RECOMMENDATIONS, GUIDELINES, OR REQUIREMENTS IN NATIONAL PUBLICATIONS, SUCH AS BUT NOT LIMITED TO ASCE, ASTM, IBC, ACI, AISC, NDS, OR AWS, IN THE CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS IF THEY ARE SPECIFICALLY MANDATED.

## FOUNDATION

- THE SUBSURFACE INFORMATION AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWING GEOTECHNICAL REPORT:
 

REPORT PREPARED BY: **FOUNDATION ENGINEERING, INC.**  
DATED: **XXXXXXXXXX, 2015**
- FOUNDATIONS FOR THE STRUCTURE HAVE BEEN DESIGNED USING THE FOLLOWING VALUES:
  - LONG-DURATION ALLOWABLE SOIL BEARING: **3500 PSF**
  - SHORT-DURATION ALLOWABLE SOIL BEARING: **4375 (LONG DURATION)**
- THE CONTRACTOR SHALL PERFORM EXCAVATIONS, FOOTING CONSTRUCTION AND PREPARATION OF THE SUB GRADE UNDER THE SLAB ON GRADE IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT AND THE PROJECT SPECIFICATIONS.
- FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION, WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND/OR GEOTECHNICAL ENGINEER BEFORE FURTHER CONSTRUCTION IS ATTEMPTED.
- CONTRACTOR WILL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE, GROUND, OR SEWAGE WATER.
- ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
- SITE PREPARATION, OVER-EXCAVATION / RECOMPACTION OF SOILS, AND THE INSTALLATION OF FOUNDATION AND WALL DRAINS AS REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH RECOMMENDATIONS PRESENTED IN THE SOILS REPORT REFERENCED ABOVE.
- CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING, AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS.

## CONCRETE

- CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND REVIEWED BY THE ENGINEER. MIX DESIGNS SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT.
- AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330. PORTLAND CEMENT SHALL BE TYPE I OR TYPE II AND SHALL CONFORM TO ASTM C150. MINIMUM COURSE AGGREGATE SIZE IS 1/2 INCH (1 1/2" FOR S.O.C.)
- ADMITTUES USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT. CALCIUM CHLORIDE SHALL NOT BE USED.
- COMPRESSIVE STRENGTHS OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS:
 

FOOTINGS AND SLAB ON GRADE	3000 PSI
CONCRETE OVER METAL DECK	3000 PSI
- CONCRETE SLUMP SHALL BE 4 INCHES +/- 1 INCH. EXCEPTION: MIX DESIGNED WITH PLASTICIZER OR WATER REDUCER.
- MAXIMUM WEIGHT CONCRETE SHALL BE 150 PCF AND MAXIMUM WEIGHT OF LIGHT-WEIGHT CONCRETE SHALL BE 115 PCF.
- MAXIMS, TRANSPORT AND PLACING OF CONCRETE SHALL CONFORM TO THE LATEST EDITION OF ACI 304R AND PROJECT SPECIFICATIONS. ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED SHALL BE THOROUGHLY CLEANED. LATIANCE AND STANDING WATER SHALL BE REMOVED.
- ALL REINFORCING BARS, WELDED WIRE FABRIC, ANCHOR BOLTS, EMBEDDED PLATES AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE. PROVIDE STAP AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED. "PULLING-UP" WELDED WIRE FABRIC WITH HOOKS DURING CONCRETE PLACEMENT IS NOT PERMITTED.
- DURING CONCRETE PROTECTION FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS: (SEE ACI 318 SECTION 7.7 FOR CONDITIONS NOT NOTED.)
 

HEADED CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER:	1 1/2"
BARS #6 AND LARGER	1 1/2"
BARS #5 AND SMALLER	1"
- C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 

SLABS, WALLS, JOISTS - #11 BARS AND SMALLER	1 1/2"
BEAMS, COLUMNS - TIES, STRIPPERS, SPIRALS	1 1/2"
- REINFORCING STEEL FOR CONCRETE SHALL BE GRADE 60 OR GRADE 75 AS SPECIFIED AND CONFORM TO ASTM A618 OR ASTM GRADE 60 OR 111 FOR WELD TYPE REINFORCING STEEL. REINFORCING BARS SHALL NOT BE TACK WELDED, WELDED, HEATED, OR CUT UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER. WELDING REINFORCING BARS WHEN APPROVED BY THE STRUCTURAL ENGINEER, SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD D1.4, LATEST EDITION. E70XX ELECTRODES SHALL BE USED IN WELDING A706 REINFORCING BARS TO STRUCTURAL STEEL.
- DETAILING OF CONCRETE REINFORCEMENT BARS AND ACCESSORIES SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST EDITION OF THE ACI 315 DETAILING MANUAL.
- GROUT SHALL BE NON-SHRINKING GROUT CONFORMING TO ASTM C107 AND SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 PSI. PRE-GROUTING OF BASE PLATES SHALL NOT BE PERMITTED.
- FORMS FOR CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE FOR THE REQUIRED CAMBERS/SLOPES. DO NOT REMOVE FORMS OR BRACING UNTIL CONCRETE HAS GAINED THE SPECIFIED 28 DAY STRENGTH OR SUFFICIENT STRENGTH TO CARRY IT'S OWN WEIGHT AND SUPERIMPOSED LOADS PER THE APPLICABLE PROVISIONS OF ACI 347.
- CONDUIT OR PIPE SIZE (OD) SHALL NOT EXCEED 30 PERCENT OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATION OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.
- PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. CORING THROUGH CONCRETE IS NOT PERMITTED EXCEPT WHERE SHOWN, NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
- CURE AND PROTECT CONCRETE IMMEDIATELY AFTER PLACEMENT IN ACCORDANCE WITH ACI 308, ACI 305, AND ACI 306. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE A RESILIENT TILE FINISH SHALL BE APPROVED BY THE TILE MANUFACTURER BEFORE USE.
- PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLABS-ON-GRADE AS SHOWN IN TYPICAL DETAILS SO AS TO DIVIDE SLABS INTO APPROXIMATELY RECTANGULAR AREAS NOT OVER 225 SQUARE FEET WITH A RATIO OF LONG TO SHORT SIDES NOT OVER 1.5 AND SPACING NOT EXCEEDING 15'-0" ON CENTER. IN ADDITION, PROVIDE CONTROL JOINTS OFF OF ALL REINFORCING TO INTERSECTION OF CONTROL JOINTS BEYOND. PROVIDE CONTROL JOINTS TO CORNERS OF OBJECTS, FITS AND OTHER INTERUPTIONS TO THE SLAB.
- AN INDEPENDENT TESTING AGENCY TO PERFORM FIELD QUALITY CONTROL TEST. PROVIDE FREE ACCESS TO CORNERS AND JOINTS AT PROJECT SITE AND COOPERATE WITH APPOINTED FIRM. SUBMIT PROPOSED MIX DESIGN OF EACH CLASS OF CONCRETE TO INSPECTION AND TESTING FIRM FOR REVIEW PRIOR. TO COMMENCEMENT OF CONCRETE CURING. COMPRESSIVE STRENGTH TESTS: ASTM C896/99M FOR EACH TEST. MOLD AND CURE THREE CONCRETE TEST CYLINDERS. OBTAIN TEST SAMPLES FOR EVERY 100 CYD OR LESS OF EACH CLASS OF CONCRETE PLACED. TAKE ONE ADDITIONAL THREE TEST CYLINDERS DURING CURING & HOT WEATHER CONCRETING AS DEFINED BY ACI 305 AND ACI 306. CURED ON JOB SITE UNDER SAME CONDITIONS AS CONCRETE IT REPRESENTS.
- PERFORM ONE SLUMP TEST FOR EACH SET OF TEST CYLINDERS TAKEN FOLLOWING PROCEDURES OF ASTM C193.14M. PERFORM ONE AIR CONTENT TEST FOR EACH SET OF COMPRESSIVE STRENGTH SPECIMENS. COMPLYING ASTM C231.
- WHERE INDICATED ON THE DRAWINGS, INTERNATIONALLY ROUGHENED CONCRETE SHALL BE CLEAN AND FREE OF LATIANCE AND ROUGHENED TO A FULL AMPLITUDE OF 1/4".

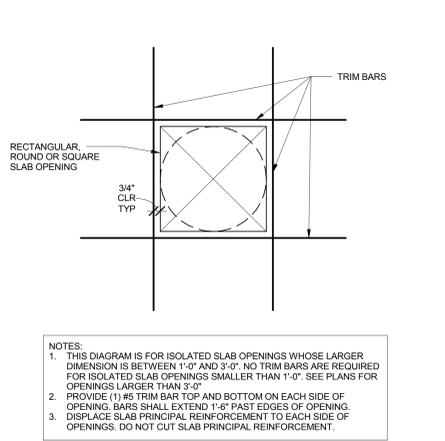
## MASONRY

- MASONRY UNITS SHALL BE GRADE N HOLLOW CONCRETE UNITS CONFORMING TO THE REQUIREMENTS OF ASTM C90.
- ALL MASONRY ASSEMBLIES SHALL DEVELOP A MINIMUM 28-DAY COMPRESSIVE STRENGTH Pm AS FOLLOWS:
 

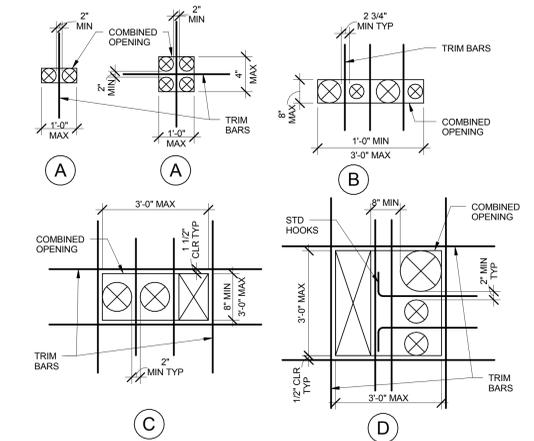
EXTERIOR WALLS	2500 PSI
NON-BEARING INTERIOR WALLS	1500 PSI
- MASONRY UNITS SHALL HAVE THE STRENGTHS SPECIFIED IN IBC TABLE 2105.2.1.1 & 2. & SHALL NOT BE INSTALLED PRIOR TO ATTAINING THE REQUIRED 28-DAY STRENGTH.
- WALL THICKNESS SHALL BE AS SHOWN ON PLANS.
- JUSTIFICATION FOR ASSEMBLY STRENGTH SHALL BE EITHER BY UNIT STRENGTH METHOD OR PRISM TEST METHOD AS DESCRIBED IN ACI 530.
- MORTAR FOR REINFORCED MASONRY SHALL CONFORM ASTM C270.
- MORTAR SHALL BE TYPE S.
- MORTAR SHALL BE MIXED BY MECHANICAL MEANS AND PROPORTIONED BY ACCURATE MEASUREMENT ACCORDING TO IBC TABLE NO. 2103.8.
- SHOVEL MEASUREMENT WILL NOT BE ALLOWED.
- AGGREGATE FOR MASONRY MORTAR SHALL CONFORM TO ASTM C114.
- GROUT FOR REINFORCED MASONRY SHALL CONFORM TO ASTM C476-99, WITH A 28-DAY COMPRESSIVE STRENGTH PER IBC TABLE 2105.2.2.1.2.
- AGGREGATE FOR GROUT FOR MASONRY SHALL CONFORM TO ASTM C404.
- CONSTRUCTION REQUIREMENTS AND QUALITY CONTROL FOR MASONRY SHALL COMPLY WITH IBC SECTION 2104 AND 2105.
- ALL REINFORCING FOR MASONRY WALLS SHALL BE GRADE 60 CONFORMING TO ALL PROVISIONS OF THE CONCRETE REINFORCEMENT SECTION.
- PROVIDE HORIZONTAL BOND BEAMS AT 4'-0" o.c. WITH (2) #4 CONTINUOUS & (1) #4 AT 2'-8" o.c. VERT. AND SOLID GROUT, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- REINFORCEMENT PLACED IN BOND BEAMS SHALL BE LAPPED A MINIMUM OF (40) BAR DIAMETERS AT SPLICES. PROVIDE CORNER BARS OF EQUIVALENT SIZE LAPPED (36) BAR DIAMETERS AT CORNERS AND INTERSECTIONS OF WALLS, UNLESS NOTED OTHERWISE ON DRAWINGS.
- EXCEPT AS OTHERWISE SHOWN, REINFORCE AROUND ALL OPENINGS WITH:
  - (2) #6 x OPENING WIDTH PLUS 4'-0" AT HEAD
  - (1) #6 x OPENING HEIGHT PLUS 4'-0" AT EACH JAMB
- IN CONCRETE ELEMENTS SUPPORTING MASONRY WALLS, EMBED DOWELS TO MATCH SIZE AND LOCATION OF VERTICAL MASONRY REINFORCEMENT. LAP DOWELS AND VERTICAL REINFORCEMENT (4#) BAR DIAMETERS. PROVIDE BAR POSITIONERS FOR ALL VERTICAL REINFORCING.
- PROTECT ALL MASONRY UNITS, STORED AND ERRECTED AT JOB SITE, FROM THE ELEMENTS.
- PROVIDE CONTROL JOINTS PER ARCH. OTHERWISE PLACE JOINTS AT 20'-0" o.c. MAX. SEE SHEET S1.1 FOR JOINT DETAIL.

## STRUCTURAL STEEL

- ALL W-SECTION SHAPES SHALL CONFORM TO ASTM A992. CHANNEL SHAPES AND PLATES SHALL CONFORM TO ASTM A36, UNLESS OTHERWISE NOTED ON THE DWG.
- STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B OR ASTM A601. MILL TEST REPORTS FOR STEEL PIPE SHALL BE SUBMITTED FOR APPROVAL.
- HOLLOW STRUCTURAL SECTION SHALL CONFORM TO ASTM A500, GRADE B (Fy = 46 KSI).
- ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR 36, UNLESS NOTED OTHERWISE.
- EXPANSION BOLTS IN CONCRETE SHALL CONFORM TO THE LATEST EDITION OF THE LATEST EDITION OF AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" WITH AMENDMENTS, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" WITH AMENDMENTS.
- BUCKLING-RESTRAINED BRACED FRAMES SHALL CONFORM TO THE REQUIREMENTS OF AISC 341. SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS AS WELL AS THE DESIGN PARAMETERS SET FORTH IN THE DRAWINGS, STRUCTURAL CALCULATIONS AND PERMITTING FOR THE BRB CONNECTIONS SHALL BE PROVIDED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECTS TO ARCHITECT/ENGINEER BEFORE SUBMITTING TO JURISDICTION FOR REVIEW AND PERMITTING.
- BOLTS 3/4" AND GREATER TO BE ASTM F1552, TYPE 1 (TWIST - OFF TENSION CONTROL. BOLTS WITH THREADS INCLUDED IN SHEAR PLANE, INSTALLED PER SECTION 9. MINIMUM PRETENSION AS STATED IN TABLE 8.1 AND INSPECTED PER SECTION 9 OF THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS. PROVIDE ASTM A490 BOLTS OR ASTM F2280 TWIST OFF TENSION CONTROL BOLTS WHERE ASTM A490 BOLTS ARE INDICATED ON PLANS OR DETAILS. CONNECTION TYPE IS PRE-TENSIONED UNLESS NOTED OTHERWISE BOLTS NOTED AS TYPE 3C (SLIP-CRITICAL) DETAILS SHALL BE INSTALLED AS SLIP-CRITICAL WITH FLAYING SURFACES PREPARED AS CLASS A SURFACE PER AISC 308. FOR BOLTS LESS THAN 3/4" USE A307.
- SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
- HEADED CONCRETE ANCHORS SHALL BE NELSON HEADED CONCRETE ANCHORS (OR APPROVED EQUAL) AND SHALL CONFORM TO ASTM A108. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL CONFORM WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
- DEFORMED BAR ANCHORS (DBA) SHALL BE NELSON DEFORMED BAR ANCHORS (OR APPROVED EQUAL) SHALL CONFORM TO ASTM A618 OR ASTM GRADE 60 OR 111 FOR WELD TYPE REINFORCING STEEL. REINFORCING BARS SHALL NOT BE TACK WELDED, WELDED, HEATED, OR CUT UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
- WELDS IN MEMBERS AND CONNECTIONS IN THE SEISMIC FORCE RESISTING SYSTEM (SFRS) OR DRAG-STRUTS, MOMENT FRAMES & BRACE FRAMES) DESIGNATED IN THE DRAWINGS AS DEMAND CRITICAL (DC) WELDS SHALL BE MADE WITH FILLER METALS WHICH HAVE A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS PER AISC 341-10 SECTION A3.4b. OTHER WELDS SHALL COMPLY WITH SECTION A3.4b.
- WELDS SHALL CONFORM WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
- WELDS ARE FOR MEMBERS DESIGNATED PART OF THE SFRS OR LABELED DEMAND CRITICAL. WELDS SHALL BE MADE WITH FILLER METALS WHICH HAVE A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS PER AISC 341-10 SECTION A3.4b. OTHER WELDS SHALL COMPLY WITH SECTION A3.4b.
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- WELDS SHALL CONFORM WITH THE RECOMM



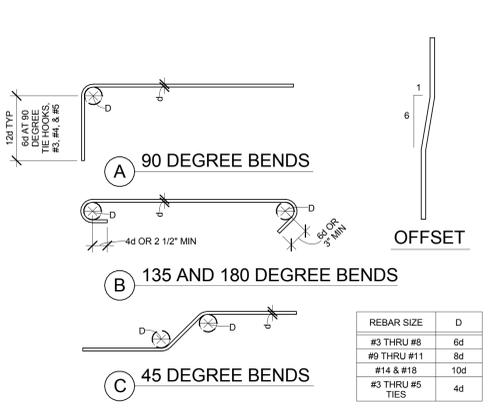
**1** TRIM BARS FOR ISOLATED SLAB & WALL OPENINGS  
S1.1 1 1/2" = 1'-0"



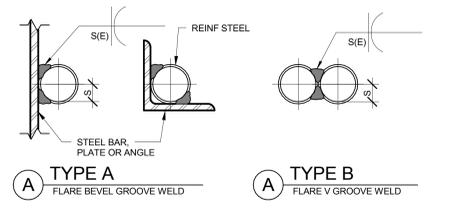
**2** TRIM BARS FOR MULT SLAB & WALL OPENINGS  
S1.1 1 1/2" = 1'-0"

**NOTES:**  
1. SLAB OPENINGS WHICH ARE CLOSER TO ONE ANOTHER THAN THE DIAMETER OR SHORTER SIDE OF THE LARGER OF THE TWO ARE CONSIDERED TO FORM A COMBINED OPENING.  
2. THESE DIAGRAMS ARE FOR COMBINED OPENINGS WHOSE LARGER DIMENSIONS DOES NOT EXCEED 3'-0". SEE PLANS FOR OPENINGS LARGER THAN 3'-0".  
3. TRIM BAR EXTENSION PAST EDGES OF COMBINED OPENINGS SHALL BE 1'-0" FOR #4 BARS AND 1'-6" FOR #5 BARS.  
4. DISPLACE SLAB PRINCIPAL REINFORCEMENT TO EACH SIDE OF COMBINED OPENINGS OR PLACE BETWEEN INDIVIDUAL OPENINGS. DO NOT CUT SLAB PRINCIPAL REINFORCEMENT.  
5. TENDONS MAY PASS BETWEEN SLAB OPENINGS WHEN THE DISTANCE BETWEEN OPENINGS IS GREATER THAN OR EQUAL TO THE SLAB THICKNESS PLUS (N-1) TIMES 3 INCHES, WHERE 'N' IS THE NUMBER OF TENDONS IN A BUNDLE OR DUCT. TENDONS MUST FOLLOW A STRAIGHT ALIGNMENT (IN PLAN) THROUGH THE COMBINED OPENING AND FOR AT LEAST 24" ON EACH SIDE.  
6. SUBMIT SPECIAL SITUATIONS TO ENGINEER FOR REVIEW.

**TRIM BAR REQUIREMENTS:**  
**(A)** IF THE COMBINED OPENING IS SMALLER THAN 1'-0", PROVIDE (1)#4 TOP AND BOTTOM BETWEEN OPENINGS.  
**(B)** IF THE LARGER DIMENSION OF A COMBINED OPENING EXCEEDS 1'-0" BUT THE SMALLER DIMENSION IS LESS THAN OR EQUAL TO 8", AND PROVIDED THE COMBINED OPENING IS ALIGNED WITH THE PRINCIPAL REINFORCEMENT, PROVIDE (1)#4 TOP AND BOTTOM BETWEEN OPENINGS.  
**(C)** IN ALL OTHER CASES WHERE OPENINGS ARE ARRANGED IN A SINGLE LINE PROVIDE (1)#4 TOP AND BOTTOM BETWEEN OPENINGS AND (1)#5 TOP AND BOTTOM AROUND PERIMETER OF COMBINED OPENING.  
**(D)** WHERE INDIVIDUAL OPENINGS OF A COMBINED OPENING FORM TWO OR MORE ROWS, THE ROWS SHALL BE SEPARATED BY AT LEAST 8" OF CONCRETE. PROVIDE (2)#4 TOP AND BOTTOM BETWEEN ROWS OF OPENINGS, (1)#4 TOP AND BOTTOM BETWEEN OPENINGS IN THE PERPENDICULAR DIRECTION, AND (1)#5 TOP AND BOTTOM AROUND PERIMETER OF COMBINED OPENING. PROVIDE STANDARD HOOKS WHERE BARS TERMINATE WITHIN THE COMBINED OPENING.



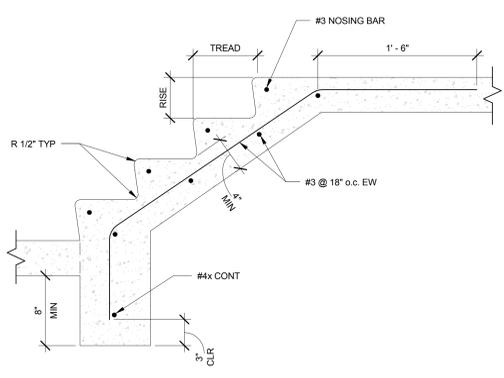
**3** TYPICAL REINFORCING BAR BENDS  
S1.1 1 1/2" = 1'-0"



BAR #	S	MIN WELD SIZE		LENGTH IN INCHES OF 'FULL SIZE' WELD	
		TYPE A (E)H/5S	TYPE B (E)H/5S	TYPE A	TYPE B
3	3/16	3/32	1/8	2	1 1/2
4	1/4	1/8	5/32	2 1/2	1 1/2
5	5/16	1/8	3/16	3	1 1/2
6	3/8	5/32	1/4	3 1/2	2
7	7/16	3/16	9/32	4	2
8	1/2	7/32	5/16	4 1/2	2 1/2
9	9/16	1/4	11/32	5	2 1/2
10	5/8	1/4	3/8	5 1/2	3

**NOTES:**  
1. SEE AWS FOR ELECTRODES GRADE REQUIREMENTS.  
2. CONTINUOUS INSPECTIONS REQ'D.  
3. MATERIALS, QUALIFICATIONS OF WELDING PROCEDURES AND WELDERS ARE TO BE VERIFIED BY THE SPECIAL INSPECTOR PRIOR TO THE START OF WORK.

**4** WELDING OF REINFORCED STEEL  
S1.1 1 1/2" = 1'-0"

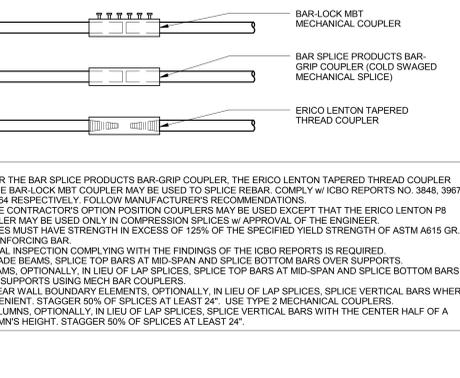


**5** TYPICAL CONCRETE STAIR  
S1.1 1 1/2" = 1'-0"

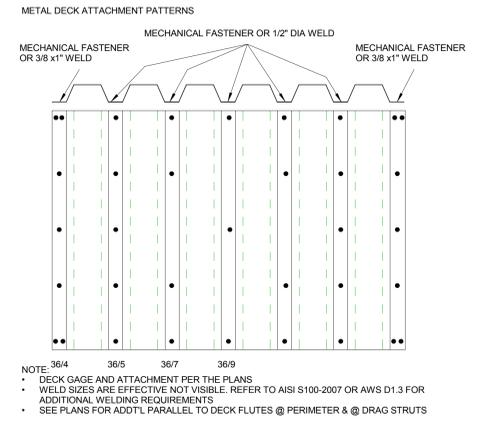
BAR	CONCRETE LAP SPLICES		
	LENGTH (U.O.N.) IN INCHES		
	F <sub>c</sub> =3000 PSI	F <sub>c</sub> =4000 PSI	F <sub>c</sub> =5000 PSI
#3	21	18	16
#4	28	24	22
#5	35	30	27
#6	42	36	33
#7	49	42	38
#8	59	51	46
#9	74	64	58
#10	94	82	75
#11	116	100	90

**NOTE:**  
• WHEN TWO BAR SIZES ARE SPLICED, USE LAP LENGTH OF SMALLER BAR.  
• TABLE IS FOR CLASS B SPLICES

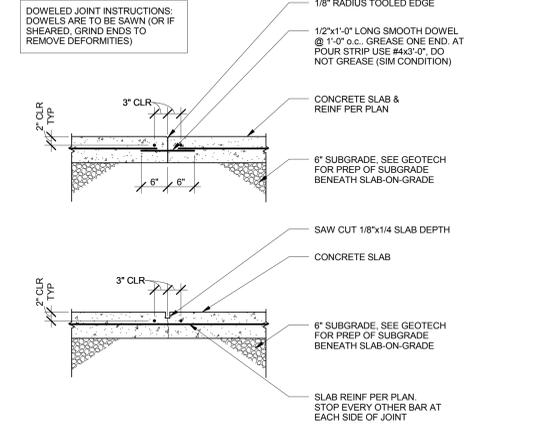
**6** TYPICAL LAP SPLICE - CONCRETE  
S1.1 1 1/2" = 1'-0"



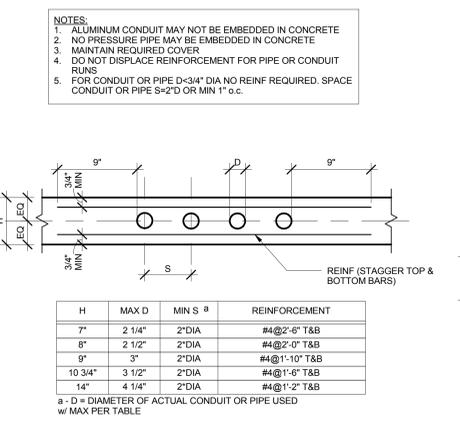
**7** MECHANICAL REBAR COUPLERS  
S1.1 1 1/2" = 1'-0"



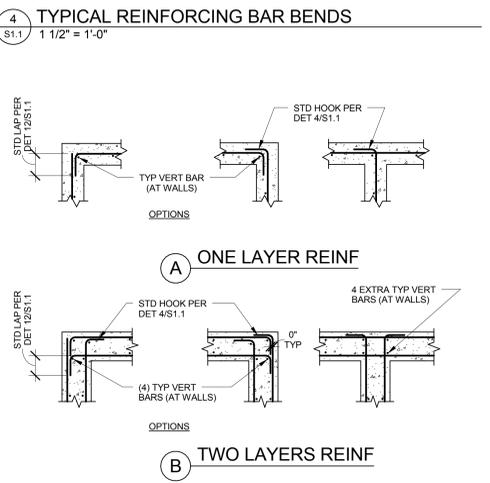
**8** METAL DECK ATTACHMENT PATTERNS  
S1.1 1" = 1'-0"



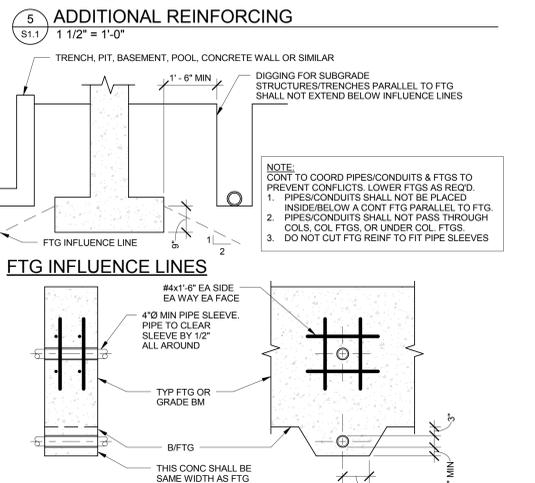
**9** CONTROL/CONSTRUCTION JOINTS  
S1.1 3/4" = 1'-0"



**10** IN-SLAB EMBEDMENT FOR PIPES OR CONDUITS  
S1.1 1 1/2" = 1'-0"



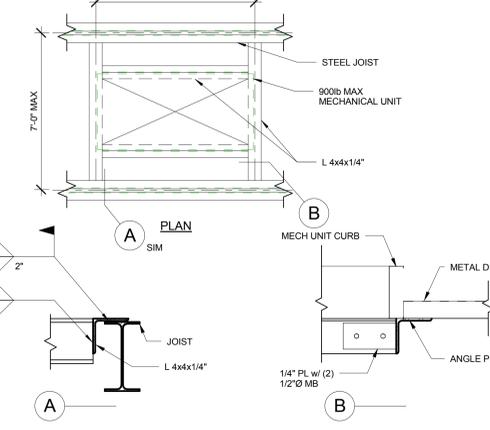
**11** REINFG AT CONC WALL & FTG INTERSECTIONS  
S1.1 1 1/2" = 1'-0"



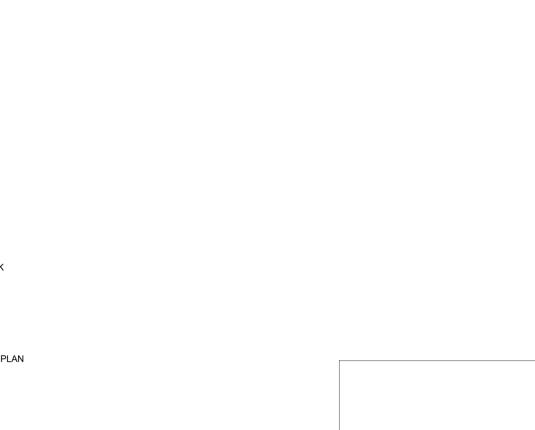
**12** PIPING CONDUITS AT GRADE BEAMS AND FOOTINGS  
S1.1 1/2" = 1'-0"

MANUFACTURER AND BRAND NAME	SPECIFIED SIZE FOR REBAR					
	#4		#5		#6	
	DOWEL-IN COMPONENT	FLANGED COMPONENT	DOWEL-IN COMPONENT	FLANGED COMPONENT	DOWEL-IN COMPONENT	FLANGED COMPONENT
RICHMOND DOWEL BAR SUBSTITUTION	#4	#4	#5	#5	#6	#6
LENTON FORM SAVER	#4	#4	#5	#5	#6	#6
DAYTON-SUPERIOR D-50 DOWEL BAR REPLACEMENT	#4	#4	#5	#5	#6	#6

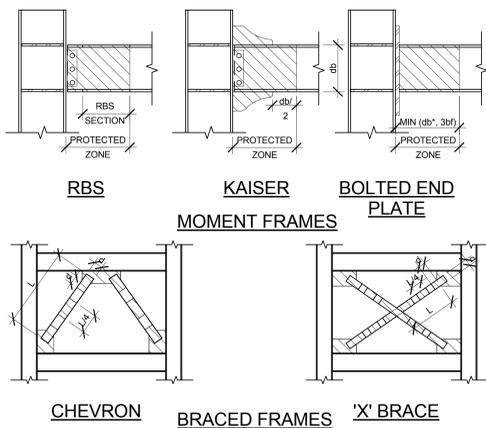
**13** TWO PART DOWEL SYSTEM  
S1.1 1 1/2" = 1'-0"



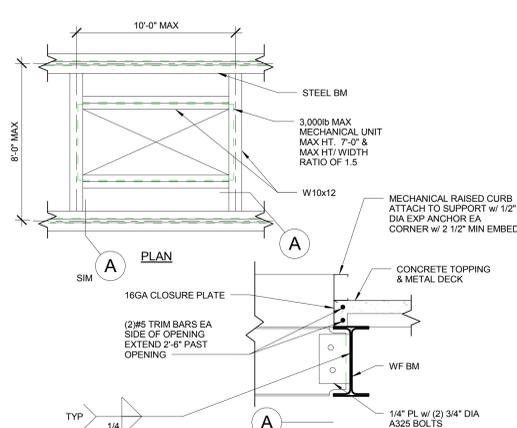
**14** MECHANICAL UNIT SUPPORT  
S1.1 1 1/2" = 1'-0"



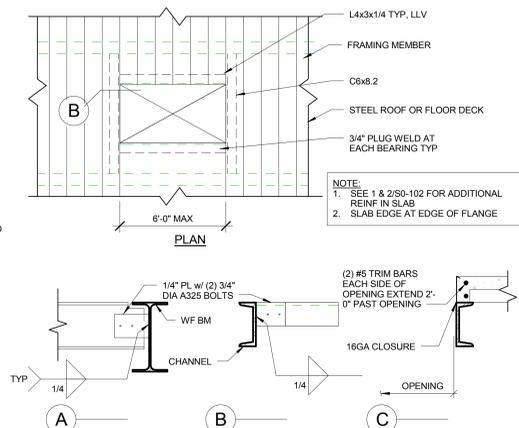
**15** METAL DECK ATTACHMENT PATTERNS  
S1.1 1" = 1'-0"



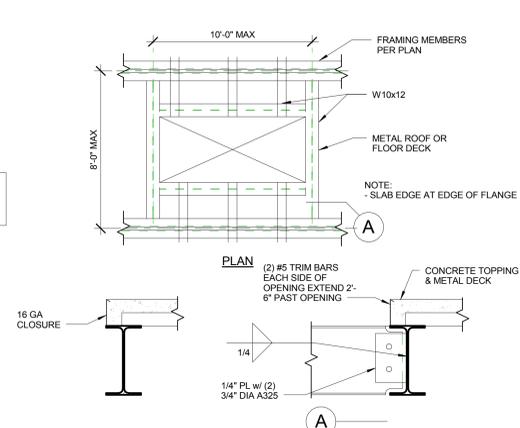
1 BRACED/MOMENT FRAMES  
S1.1A 1 1/2" = 1'-0"



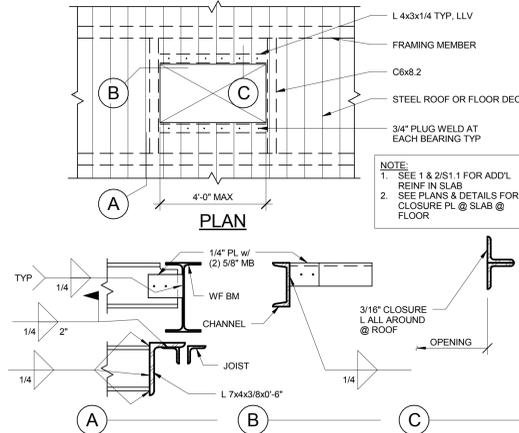
2 MECHANICAL UNIT SUPORT  
S1.1A 1 1/2" = 1'-0"



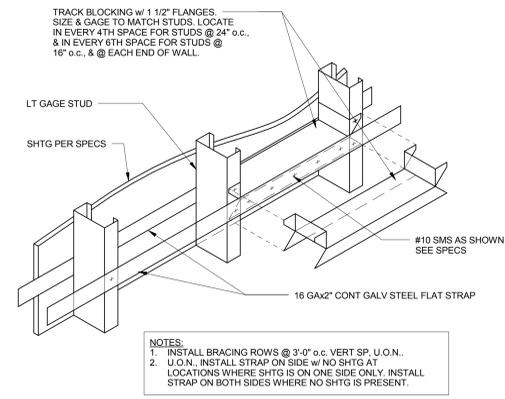
3 OPENING IN METAL DECK 2'-0" - 6'-0"  
S1.1A 1 1/2" = 1'-0"



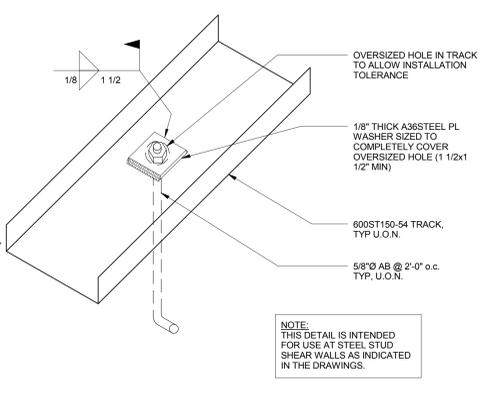
4 OPENING IN METAL DECK 6'-0" - 10'-0"  
S1.1A 1 1/2" = 1'-0"



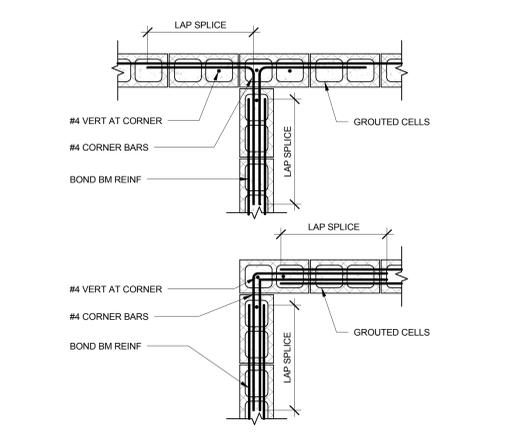
8 OPENING IN METAL DECK  
S1.1A 1 1/2" = 1'-0"



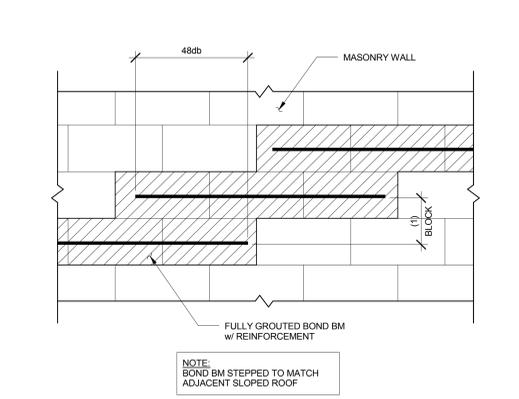
13 STUD WALL LATERAL BRACING LOCATIONS  
S1.1A 1 1/2" = 1'-0"



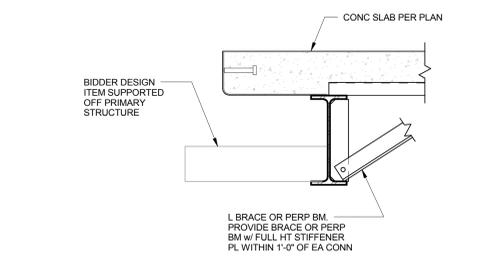
14 TRACK ATTACHMENT TO CONCRETE  
S1.1A 3" = 1'-0"



10 CMU WALL INTERSECTIONS  
S1.1A 3/4" = 1'-0"



15 STEPPED BOND BEAM  
S1.1A 1" = 1'-0"



19 BEAM BRACING  
S1.1A 1 1/2" = 1'-0"

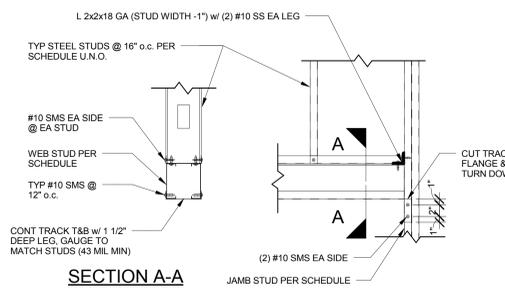


Revision Schedule	
Revision Delta	Issue Date

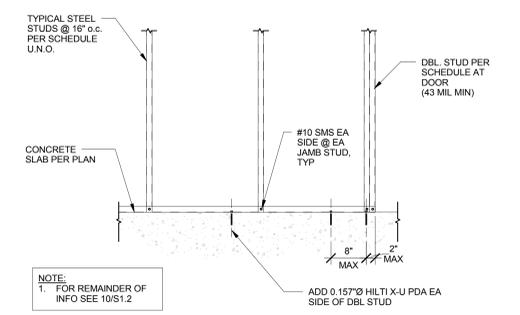


Revision Schedule	
Revision Delta	Issue Date

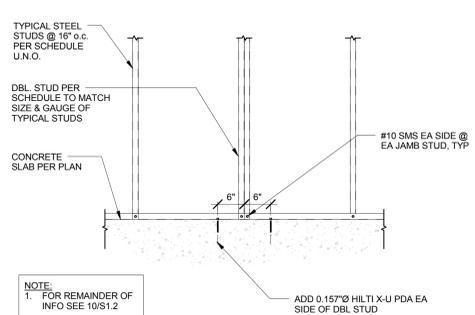
HEADER SCHEDULE	
OPENING SIZE (L)	WEB STUD
L < 6'-0"	(2) 362 S162-43
6'-0" < L ≤ 10'-0"	(2) 800 S162-43
10'-0" < L ≤ 12'-0"	(2) 1000 S162-54



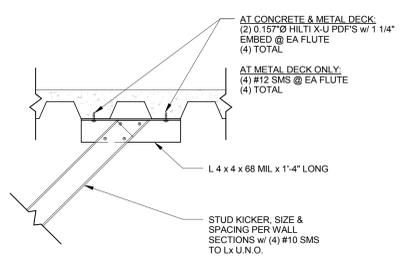
4 TYPICAL BOX HEADER  
 S1.2 1" = 1'-0"



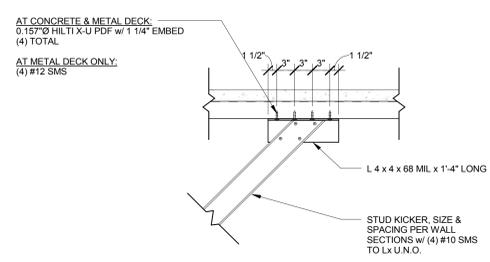
5 TYP. BOTTOM TRACK ANCHORAGE  
 S1.2 3/4" = 1'-0"



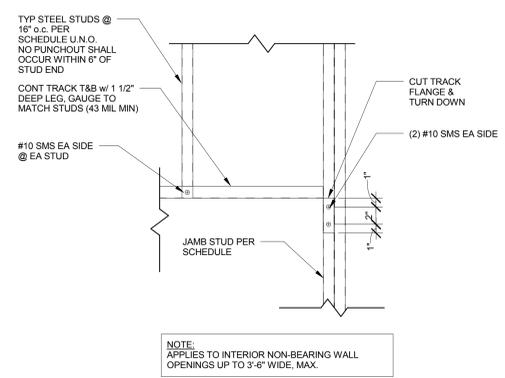
3 TYP. BOTTOM TRACK ANCHORAGE  
 S1.2 3/4" = 1'-0"



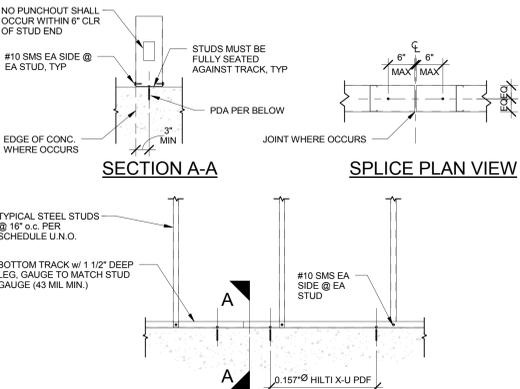
1 TYP KICKER TO DECK  
 S1.2 1" = 1'-0"



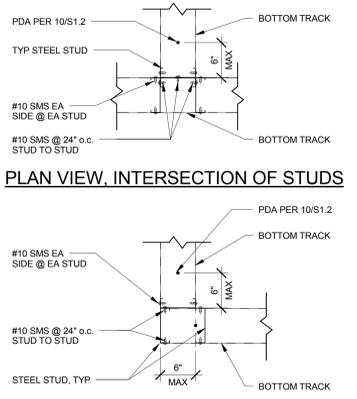
2 TYP KICKER TO DECK  
 S1.2 1" = 1'-0"



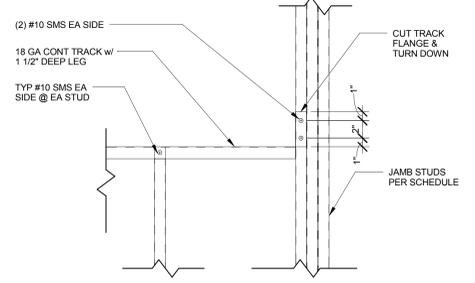
9 TYPICAL TRACK HEADER CONNECTION  
 S1.2 1 1/2" = 1'-0"



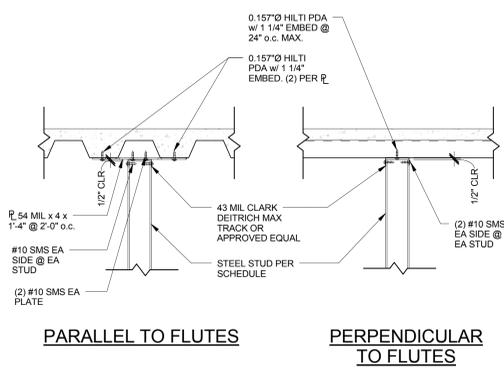
10 TYP. BOTTOM TRACK SPLICE  
 S1.2 3/4" = 1'-0"



7 TYP. STUD FRAMING @ INTERSECTIONS  
 S1.2 1" = 1'-0"



8 TYPICAL SILL CONNECTION  
 S1.2 1 1/2" = 1'-0"



6 TYP INTERIOR NON-BEARING WALL TOP  
 S1.2 1" = 1'-0"

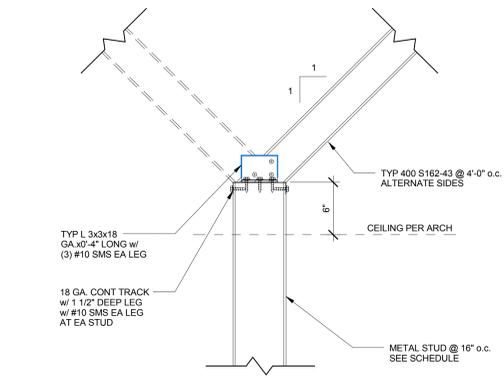
7 TYP. STUD FRAMING @ INTERSECTIONS  
 S1.2 1" = 1'-0"

JAMB SCHEDULE	
OPENING SIZE	# OF JAMB STUDS
4'-0" TO 6'-0"	2
6'-0" TO 10'-0"	2
10'-0" TO 12'-0"	3

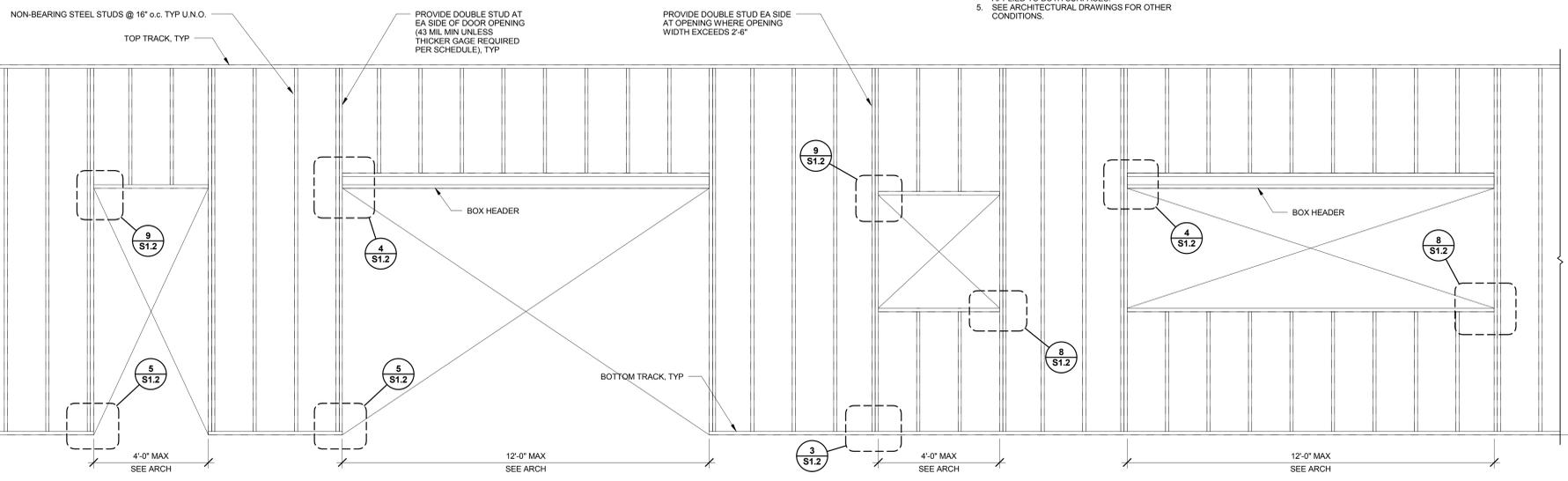
NOTES:  
 1. JAMB STUDS TO MATCH SIZE & GAGE OF TYP STUDS  
 2. SEE TYPICAL BUILT-UP JAMB DETAIL FOR JAMB STUD TO STUD CONNECTION

STEEL STUD SIZE				
GAUGE	3 5/8"	4"	6"	8"
14 (68 MIL)	19'-0"	21'-3"	29'-9"	30'-0"
16 (54 MIL)	18'-6"	20'-0"	27'-9"	30'-0"
18 (43 MIL)	17'-3"	18'-9"	26'-0"	30'-0"
21 (33 MIL)	15'-9"	17'-0"	23'-6"	-

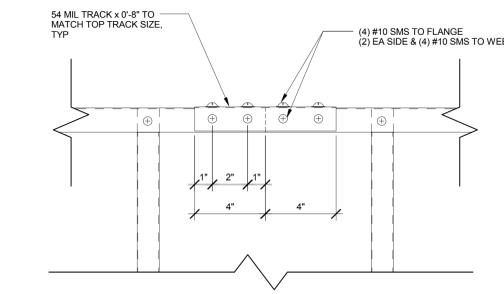
NOTES:  
 1. STEEL STUDS SHALL CONFORM TO ICC-ER #3064P OR APPROVED EQUAL  
 2. MAXIMUM STUD HEIGHT 1" FOR STUDS @ 16" o.c.  
 3. STEEL STUDS SHALL HAVE 1 1/4" FLANGE MIN.  
 4. PROVIDE BRIDGING PER 2912 OR PER MANUFACTURER WHERE GYPSUM BOARD IS NOT APPLIED TO BOTH SURFACES.  
 5. SEE ARCHITECTURAL DRAWINGS FOR OTHER CONDITIONS.



11 PARTITION WALL TOP  
 S1.2 1 1/2" = 1'-0"



17 TYP NON-BEARING STUD WALL FRAMING  
 S1.2 1/2" = 1'-0"



16 TYPICAL TOP TRACK SPLICE  
 S1.2 3" = 1'-0"



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Project

**ALBANY POLICE DEPARTMENT**  
1117 SE JACKSON ST.  
ALBANY, OR, 97322

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

STRUCT - BASE PLATE (BP) SCHEDULE										
MARK	THICKNESS	BASE PLATE			NO.	ANCHOR BOLTS - SEE 19/SS.1				REMARKS
		"A"	"B"	DETAIL		SIZE	GRADE	EMBED	TYPE	
BP2	5/8"	1'-0"	1'-0"	15/SS.1	4	3/4"	36	6" MIN	A	-
BP3	1/2"	1'-4"	1'-0"	14/SS.1	4	3/4"	36	6" MIN	A	-
BP4	1/2"	1'-2"	1'-0"	14/SS.1	4	3/4"	36	12" MIN	A	-
BP5	1"	1'-6"	1'-4"	14/SS.1	4	3/4"	36	12" MIN	A	-
BP6	1"	1'-2"	1'-2"	14/SS.1	4	3/4"	36	12" MIN	A	-
BP7	3/4"	1'-4"	1'-0"	14/SS.1	4	3/4"	36	12" MIN	A	-
BP8	7/8"	1'-4"	1'-4"	14/SS.1	4	3/4"	36	12" MIN	A	-
BP9	1/4"	1'-2"	1'-2"	14/SS.1	4	3/4"	36	12" MIN	A	-
BP10	1/2"	10 1/2"	6"	11/SS.1	4	5/8"	A325	-	-	-
BP11	1/2"	10 1/2"	4"	16/SS.1	2	3/4"	36	8"	A	-

STRUCT - COLUMN SCHEDULE		
TYPE	Type Mark	REMARKS
W8X18	A	
W8X28	B	
W8X31	C	
W10X22	D	
W10X26	E	
W12X26	F	
W10X49	G	
W10X88	H	
W12X58	J	
HSS4-12X4-12X1/4	K	
HSS6X6X1/4	L	
HSS8X8X1/4	M	

STRUCT - MASONRY SHEARWALL WALL SCHEDULE				
MARK	WIDTH	REINFORCING		REMARKS
		VERTICAL	HORIZONTAL	
W1	7 5/8"	#5 @ 32" O.C.	(2) #4 @ 32" O.C.	
W2	7 5/8"	(2) #5 @ 32" O.C.	(2) #4 @ 32" O.C.	SEE 15B/S4.1
W3	7 5/8"	#5 @ 32" O.C.	(2) #4 @ 32" O.C.	SEE 15B/S4.1
W4	7 5/8"	#5 @ 32" O.C.	(2) #4 @ 48" O.C.	
W5	5 5/8"	#4 @ 32" O.C.	(2) #4 @ 48" O.C.	

STRUCT - FOOTING (F) SCHEDULE						
NOTE: LENGTH PER PLAN IF BLANK IN SCHEDULE						
MARK	DIMENSIONS			REINFORCEMENT		REMARKS
	WIDTH	LENGTH	DEPTH	LONGITUDINAL	TRANSVERSE	
F1	2'-6"	2'-6"	1'-0"	(3) #4	(3) #4	
F2	5'-0"	5'-0"	1'-0"	(6) #5	(6) #5	REINF. TOP & BOTT. @ HOLDDOWNS
F3	5'-6"	5'-6"	1'-4"	#5 @ 12" O.C.	#5 @ 12" O.C.	
F4	6'-0"	6'-0"	1'-4"	#5 @ 12" O.C.	#5 @ 12" O.C.	
F5	6'-6"	6'-6"	1'-6"	#5 @ 12" O.C.	#5 @ 12" O.C.	
F6	7'-6"	7'-6"	1'-6"	#5 @ 12" O.C.	#5 @ 12" O.C.	
F7	8'-0"	8'-0"	1'-9"	#6 @ 12" O.C.	#6 @ 12" O.C.	REINF. TOP & BOTT. @ HOLDDOWNS
F8	8'-6"	8'-6"	1'-9"	#6 @ 10" O.C.	#6 @ 10" O.C.	
F9	9'-0"	9'-0"	1'-9"	#6 @ 9" O.C.	#6 @ 9" O.C.	
F10	2'-0"	1'-0"	1'-0"	#5 @ 12" O.C.	#4 @ 12" O.C.	REINF. TOP & BOTT.
F11	3'-0"	2'-6"	1'-0"	#5 @ 12" O.C.	#5 @ 12" O.C.	REINF. TOP & BOTT.
F12	8'-0"	4'-0"	4'-0"	#10 @ 9" O.C.	#8 @ 9" O.C.	REINF. TOP & BOTT.
F13	4'-0"	1'-6"	1'-6"	(4) #4	#4 @ 12" O.C.	REINF. TOP & BOTT.
F14	4'-0"	2'-6"	2'-6"	#5 @ 8" O.C.	#5 @ 8" O.C.	REINF. TOP & BOTT.
F15	5'-0"	2'-6"	2'-6"	#5 @ 12" O.C.	#5 @ 12" O.C.	REINF. TOP & BOTT.
F16	5'-6"	3'-3"	3'-3"	#6 @ 12" O.C.	#5 @ 12" O.C.	REINF. TOP & BOTT.
F17	5'-0"	3'-3"	3'-3"	#6 @ 12" O.C.	#5 @ 12" O.C.	REINF. TOP & BOTT.
F18	6'-0"	1'-4"	1'-4"	#5 @ 12" O.C.	#5 @ 12" O.C.	REINF. TOP & BOTT.
F19	6'-0"	6'-0"	4'-0"	(12) #5	(12) #5	

STRUCT - STUD SHEARWALL SCHEDULE			
MARK	SHEATHING & FASTENERS	STUDS	SILL PL & ANCHORS
SW1	SUREBOARD 200 w/ SCREWS @ 6"oc	800S137-43	600T150-33 w/ 3/8"Ø @ 48"oc
SW2	SUREBOARD 200 w/ SCREWS @ 6"oc	800S137-43	600T150-33 w/ 3/8"Ø @ 48"oc

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**STRUCTURAL SCHEDULES**

DRAWN BY: AGW

CHECKED BY: LSH, TLS

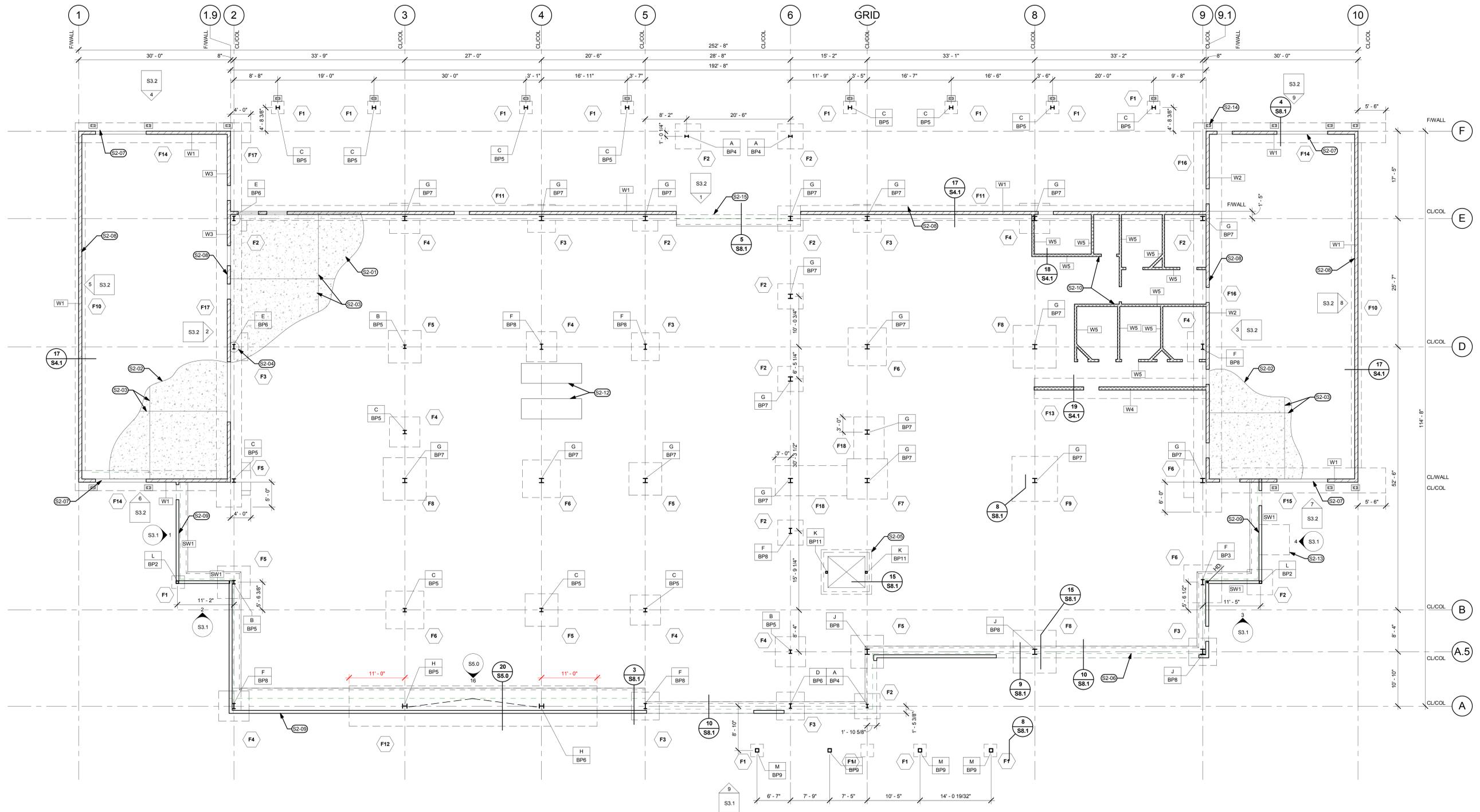
SHEET

**S1.3**

JOB NO. 2140284.02



Revision Schedule	
Revision	Issue Date
Delta	



**1 FOUNDATION PLAN**  
S2.1 1/8" = 1'-0"

**FOUNDATION GENERAL NOTES**

- FOR GENERAL STRUCTURAL NOTES SEE S1.0
- FOR TYPICAL STRUCTURAL DETAILS SEE S1.1
- FOR SLAB-ON-GRADE AND FOUNDATION SUB-BASE, VAPOR-RETARDING MEMBRANE, GEOTEXTILE AND DRAINAGE REFER TO GEOTECHNICAL REPORT
- LOCATE CL OF FOOTINGS AT CL OF COLUMNS AND/OR WALLS, U.N.O.
- SEE GENERAL STRUCTURAL NOTES FOR CONTROL/CONSTRUCTION JOINT REQUIREMENTS FOR SLAB ON GRADE
- SEE TYPICAL DETAILS FOR REINFORCEMENT AT SLAB PENETRATION AND BLOCKOUTS
- SEE TYPICAL DETAILS FOR REINFORCEMENT AT WALL AND FOOTING CORNERS AND INTERSECTIONS
- SEE TYPICAL DETAILS FOR REINFORCEMENT LAP SPICE LENGTH
- CHAIR SLAB REINFORCING AS REQ'D. LIFTING OF BARS WHILE PLACING OF CONC NOT ALLOWED
- SEE S1.3 FOR WALL, COLUMN AND BASE PLATE SCHEDULES

**FOUNDATION LEGEND**

- GRID LINE
- KEYNOTE
- FA FOOTING PER SCHEDULE, SHEET S1.2
- CA BA COLUMN PER SCHEDULE, SHEET S1.2
- HD HOLD-DOWN PER SCHEDULE
- W# BRACE FRAME PER ELEVATION
- MASONRY WALL PER SCHEDULE
- STUD WALL PER SCHEDULE W/ 600S137-54 @ 16" O.C. U.O.N.
- STRUCTURAL BRICK WALL PER SCHEDULE, 6" BRICK U.O.N.
- CMU WALL PER SCHEDULE, 6" BLOCK U.O.N.

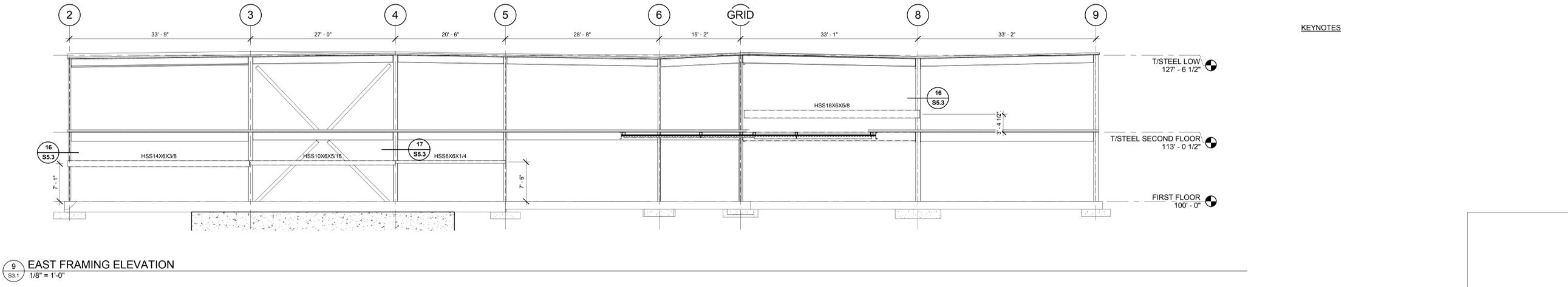
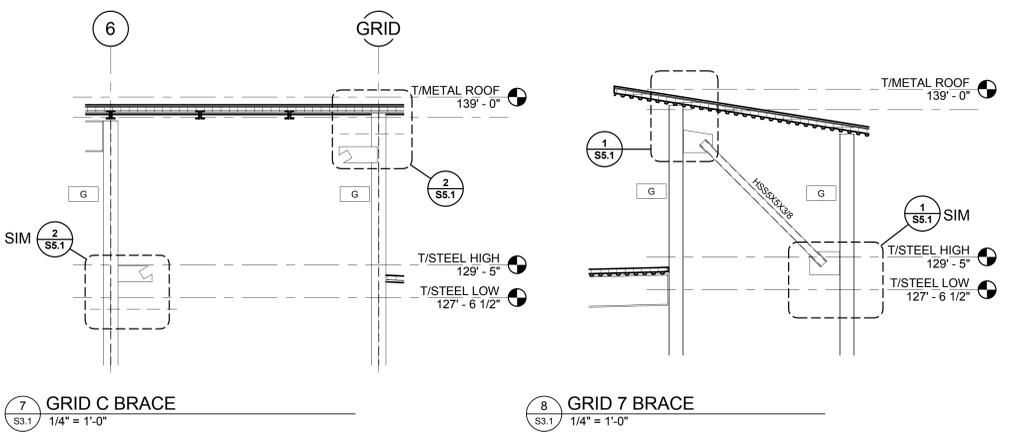
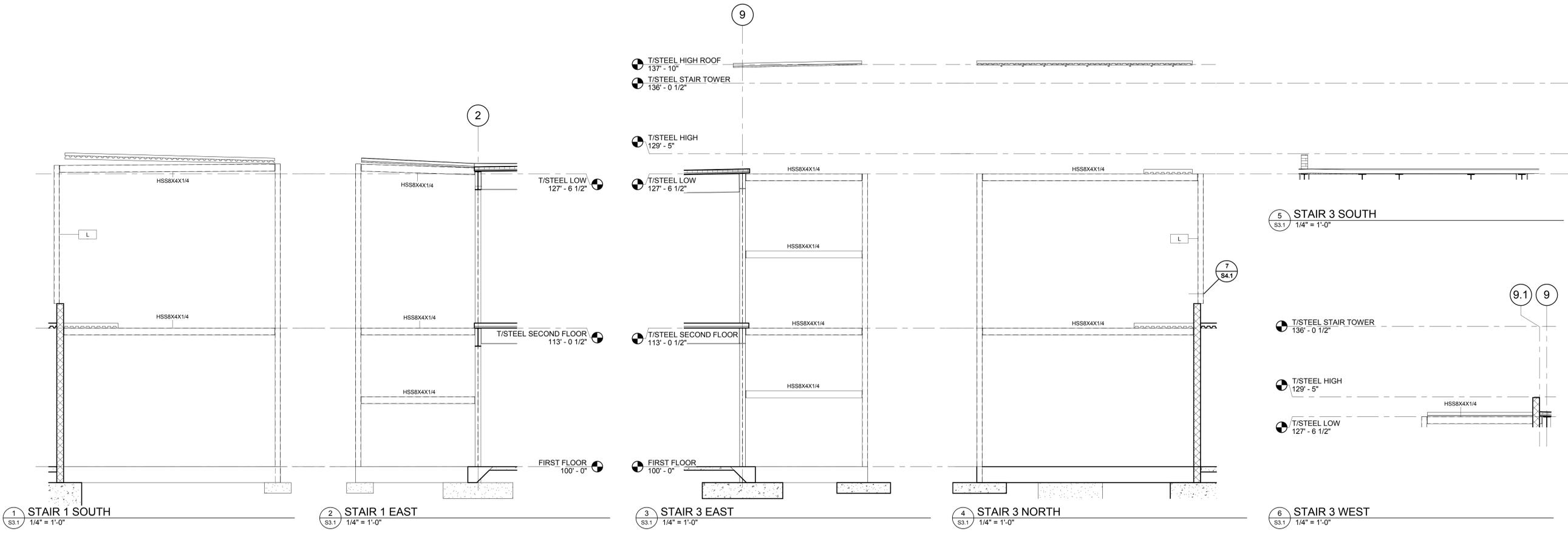
**KEYNOTES**

- S2-01 4" CONCRETE SLAB ON GRADE W/ #4 @ 24" O.C. EA WAY, SEE S1.0 FOR CONTROL AND CONSTRUCTION JOINTS
- S2-02 6" CONCRETE SLAB ON GRADE W/ #6 @ 16" O.C. EA WAY, SEE S1.0 FOR CONTROL AND CONSTRUCTION JOINTS
- S2-03 CONTROL JOINTS PER S1.1
- S2-04 COLUMN BLOCKOUT PER 7/S8.1
- S2-05 ELEVATOR PIT AND SLAB, SEE 15/S8.1
- S2-06 TURN DOWN SLAB EDGE PER 10/S8.1
- S2-07 TURN DOWN SLAB EDGE AT DRIVE-IN DOOR PER 4/S8.1
- S2-08 CMU WALL PER SCHEDULE
- S2-09 LIGHT-GAGE STUD WALL PER SCHEDULE W/ BRICK OR METAL PANEL VENEER
- S2-10 6" CMU WALL, SEE ARCH FOR CEILING ASSEMBLY
- S2-11 8" CMU WALL, SEE ARCH FOR CEILING ASSEMBLY
- S2-12 4" CONCRETE HOUSEKEEPING PAD W/ #3 @ 12" O.C. EA WAY ON TOP OF S.O.G. PROVIDE #3 DOWELS W/ 6" HOOKS @ 24" O.C. EA WAY, MN (2) EA EDGE, DRY EMBED DOWELS 2" INTO S.O.G.
- S2-13 ANTENNA TOWER FOUNDATION BY MANUFACTURER, ASSUME 6'-0"x6'-0"x48" W/ (12) #6 EA WAY, TOP & BOTT.
- S2-14 BOLLARD PER ARCH, WHEN COMBINED W/ STRUCTURAL FOUNDATIONS, SHIFT REIN UP TO 2", CUTTING OF REIN IS PROHIBITED.
- S2-15 TURN DOWN SLAB EDGE PER 5/S8.1









**ELEVATION GENERAL NOTES**

- ALL MASONRY WALLS ARE SOLID GROUTED U.O.N.
- REINFORCING CALLOUTS FOR BOND BEAMS, VERT. AND HORIZ. REINFORCING ARE TYPICAL FOR THAT ELEVATION U.O.N.
- FOR GENERAL STRUCTURAL NOTES SEE S1.0
- FOR TYPICAL STRUCTURAL DETAILS SEE S1.1
- SEE ARCHITECTURAL DRAWINGS FOR CONTROL ELEVATIONS
- SEE ARCHITECTURAL FOR MASONRY COURSING
- COORDINATE PERIMETER CONDITIONS WITH ARCHITECTURAL
- SEE ARCH FOR EXTENTS OF OPENINGS
- EXTEND VERTICAL REINFORCING TO NEAREST FLOOR OR ROOF SLAB, OR AS SHOWN.
- EXTEND HORIZONTAL REINFORCING W/ HOOKS MINIMUM (2) BARS BEYOND OPENING OR 32", WHICHEVER IS GREATER

**ELEVATION LEGEND**

- GRID LINE
- ② KEYNOTE
- ▨ MASONRY VENEER
- A COLUMN PER SCHEDULE, SHEET S1.3

**KEYNOTES**

- 16 S5.3
- 17 S5.3
- 18 S5.3

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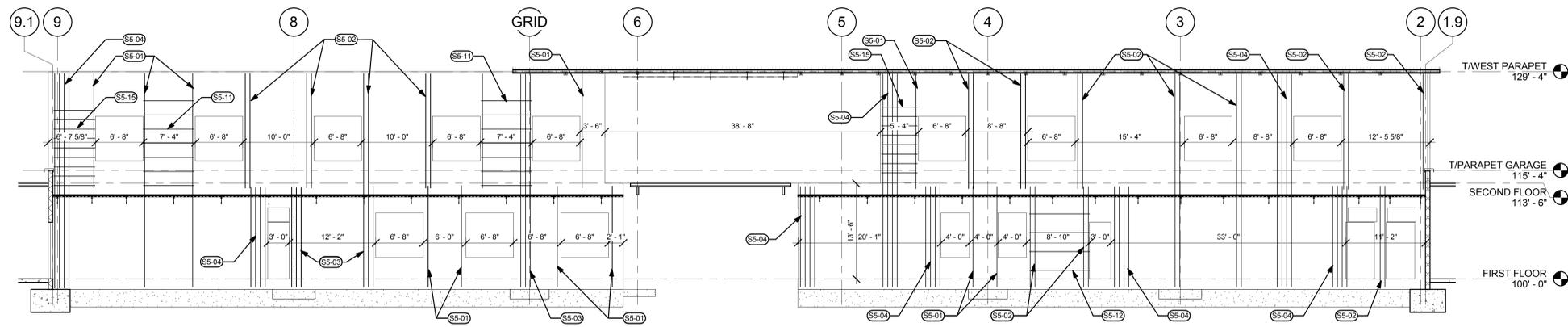
Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**STRUCTURAL SECTIONS/ ELEVATIONS**

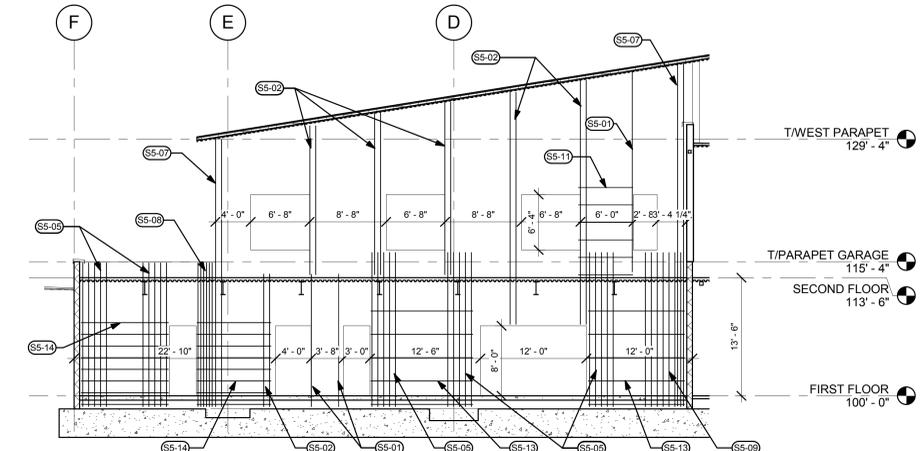
DRAWN BY: AGW  
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 SHEET

**S3.1**

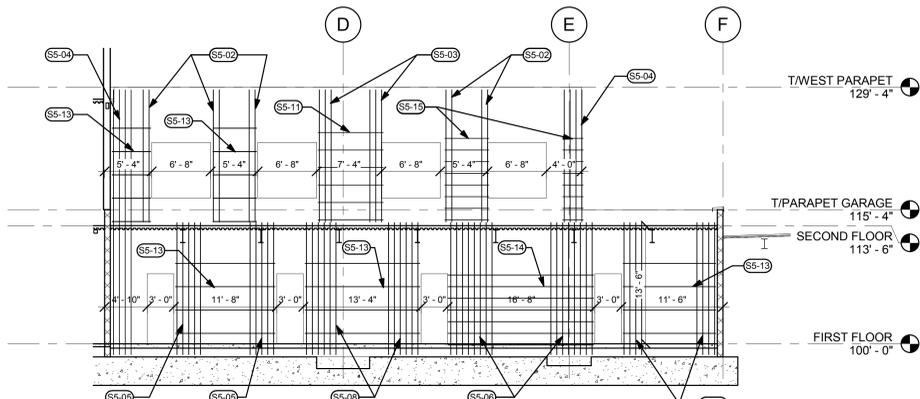
JOB NO. 2140284.02



**1 BRICK ELEVATION - WEST**  
S3.2 1/8" = 1'-0"



**2 BRICK ELEVATION - SOUTH**  
S3.2 1/8" = 1'-0"

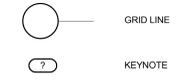


**3 BRICK ELEVATION - NORTH**  
S3.2 1/8" = 1'-0"

**ELEVATION GENERAL NOTES**

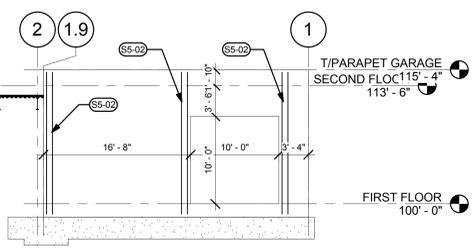
- ALL MASONRY WALLS ARE SOLID GROUTED U.O.N.
- REINFORCING CALLOUTS FOR BOND BEAMS, VERT. AND HORIZ. REINFORCING ARE TYPICAL FOR THAT ELEVATION U.O.N.
- FOR GENERAL STRUCTURAL NOTES SEE S1.0
- FOR TYPICAL STRUCTURAL DETAILS SEE S1.1
- SEE ARCHITECTURAL DRAWINGS FOR CONTROL ELEVATIONS
- SEE ARCHITECTURAL FOR MASONRY COURSING
- COORDINATE PERIMETER CONDITIONS WITH ARCHITECTURAL
- SEE ARCH FOR EXTENTS OF OPENINGS
- EXTEND VERTICAL REINFORCING TO NEAREST FLOOR OR ROOF SLAB, OR AS SHOWN
- EXTEND HORIZONTAL REINFORCING W/ HOOKS MINIMUM (2) BARS BEYOND OPENING OR 32", WHICHEVER IS GREATER

**ELEVATION LEGEND**

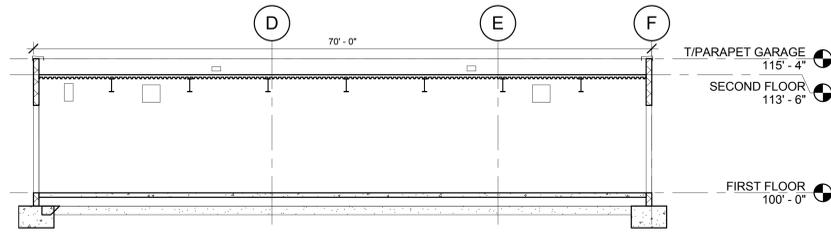


**KEYNOTES**

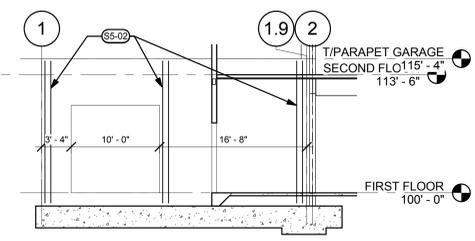
- SS-01 (2) #5 IN FIRST CELL.
- SS-02 (4) #5 IN FIRST (2) CELLS.
- SS-03 (6) #5 IN FIRST (3) CELLS.
- SS-04 (8) #5 IN FIRST (4) CELLS.
- SS-05 (10) #5 IN FIRST (5) CELLS.
- SS-06 (16) #5 IN FIRST (8) CELLS.
- SS-07 (4) #5 IN LAST (2) CELLS OF WALL. EXTEND FOUNDATION TO ROOF.
- SS-08 (12) #5 IN FIRST (6) CELLS.
- SS-09 (14) #5 IN FIRST (6) CELLS.
- SS-11 (2) #4 HORIZONTAL @ 24" O.C.
- SS-12 (2) #4 HORIZONTAL @ 32" O.C.
- SS-13 (2) #5 HORIZONTAL @ 32" O.C. W/ 180-DEGREE HOOKS EA END.
- SS-14 (2) #5 HORIZONTAL @ 16" O.C. W/ 180-DEGREE HOOKS EA END.
- SS-15 (2) #4 @ 16" O.C.



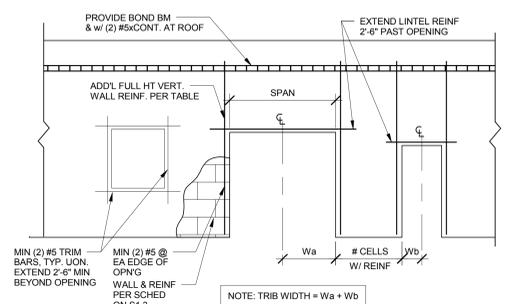
**4 EVIDENCE BAY - WEST ELEVATION**  
S3.2 1/8" = 1'-0"



**5 EVIDENCE BAY - SOUTH INTERIOR ELEVATION**  
S3.2 1/8" = 1'-0"



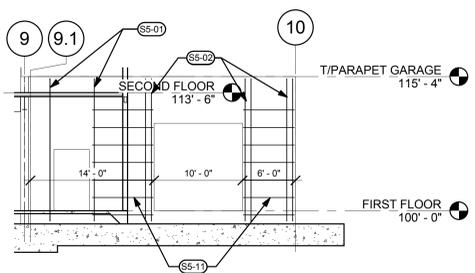
**6 EVIDENCE BAY - EAST ELEVATION**  
S3.2 1/8" = 1'-0"



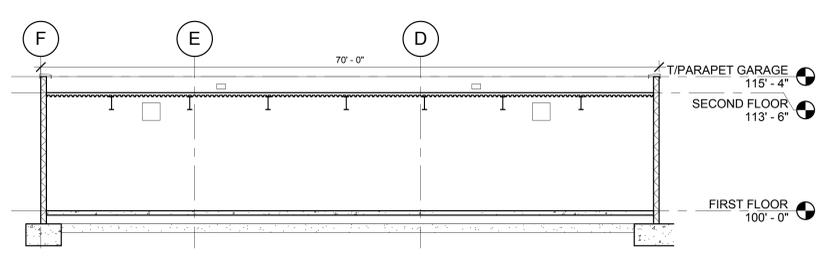
**LINTEL AND WALL REINFORCING**

LINTEL			
SPAN	# BLOCKS	HORIZ REINF	REF DETAIL
≤16'-0"	(3)	(6) #5	14/S4.1
≤10'-0"	(2)	(4) #5	14/S4.1
≤7'-0"	(1)	(2) #5	14/S4.1
≤4'-0"	(1)	(2) #5	14/S4.1

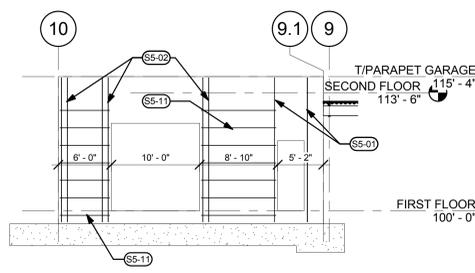
**10 TYPICAL CMU REINFORCEMENT**  
S3.2 3/16" = 1'-0"



**7 SALLYPORT - EAST ELEVATION**  
S3.2 1/8" = 1'-0"



**8 SALLYPORT - NORTH INTERIOR ELEVATION**  
S3.2 1/8" = 1'-0"



**9 SALLYPORT - WEST ELEVATION**  
S3.2 1/8" = 1'-0"

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**Revision Schedule**

Revision	Delta	Issue Date

SHEET TITLE:  
**BRICK SHEAR WALL ELEVATIONS**

DRAWN BY: AGW

CHECKED BY: LSH, TLS

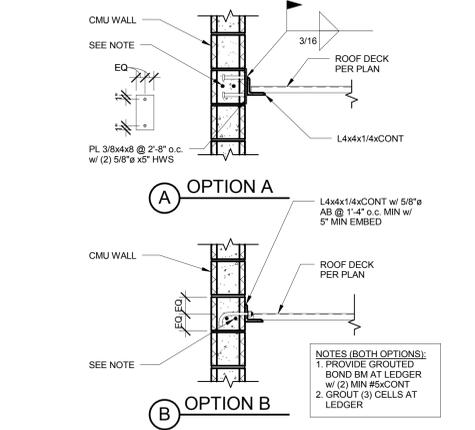
SHEET

**S3.2**

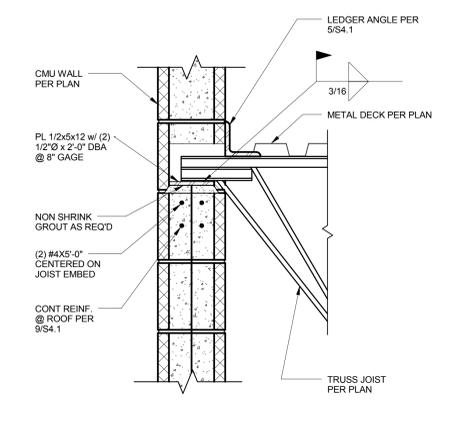
JOB NO. 2140284.02



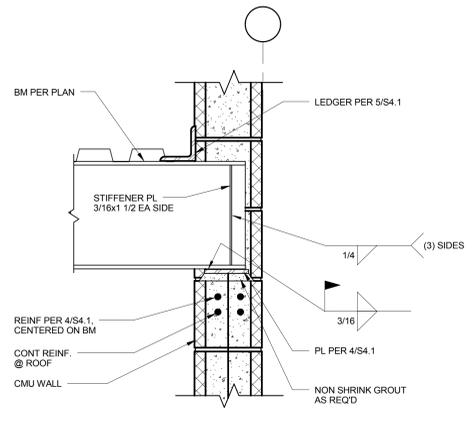
Revision Schedule	
Revision Delta	Issue Date



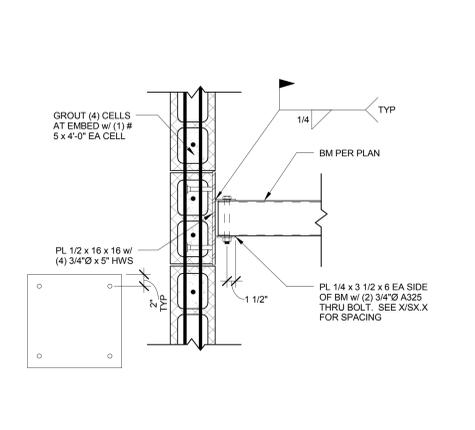
5 ROOF DECK CONNECTION  
S4.1 3/4" = 1'-0"



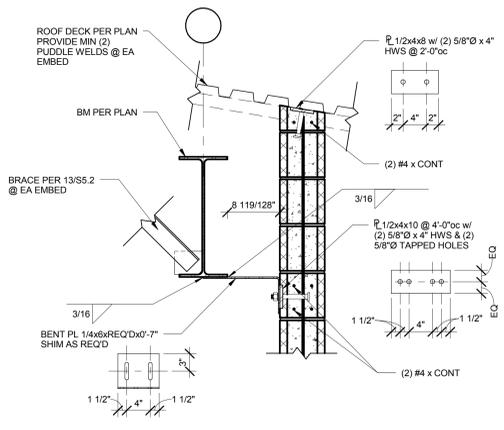
4 JOIST TO MASONRY WALL  
S4.1 1 1/2" = 1'-0"



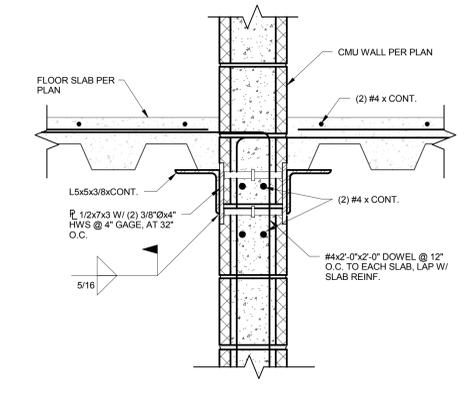
3 WF BEAM AT MASONRY WALL  
S4.1 1 1/2" = 1'-0"



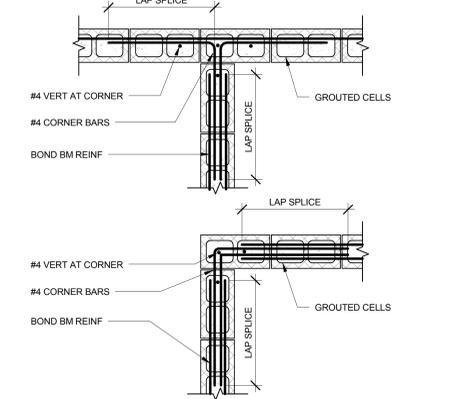
2 TS BEAM @ MASONRY WALL  
S4.1 1" = 1'-0"



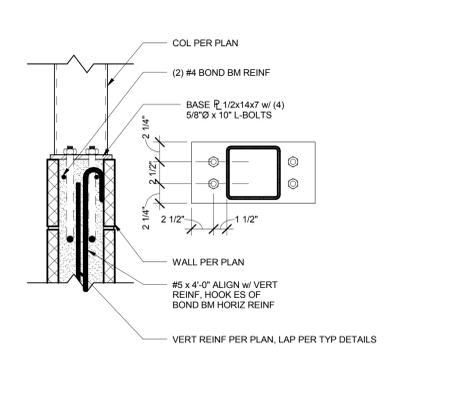
1 ROOF DECK @ CMU  
S4.1 1" = 1'-0"



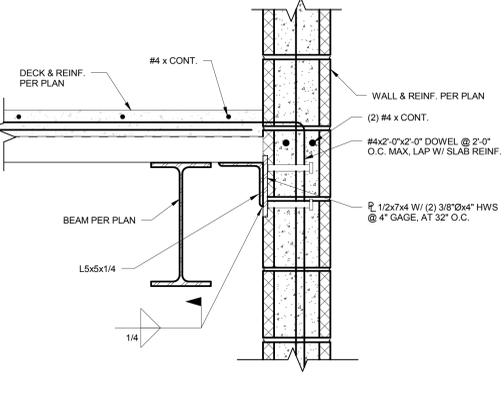
10 FLOOR SLAB CONNECTION  
S4.1 1 1/2" = 1'-0"



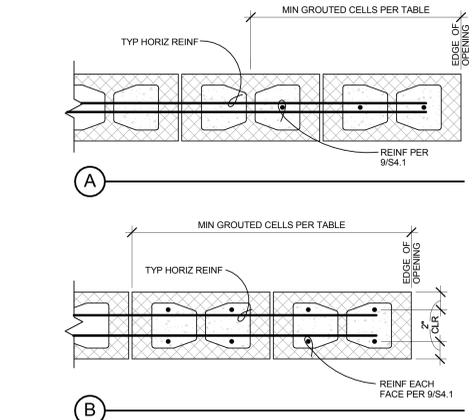
9 CMU WALL INTERSECTIONS  
S4.1 3/4" = 1'-0"



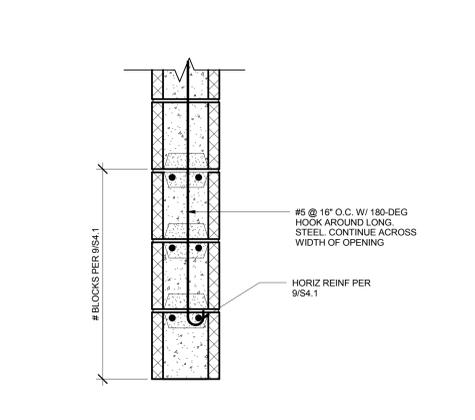
7 EMBED @ 9.4/C  
S4.1 1 1/2" = 1'-0"



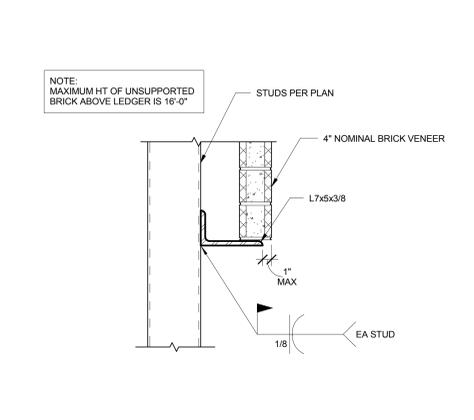
6 SLAB CONNECTION  
S4.1 1 1/2" = 1'-0"



15 WALL REINFORCEMENT  
S4.1 1 1/2" = 1'-0"



14 LINTEL REINFORCEMENT  
S4.1 1 1/2" = 1'-0"

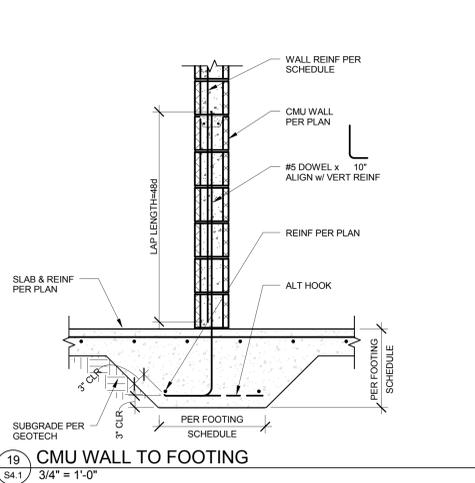


13 BRICK LEDGER  
S4.1 1 1/2" = 1'-0"

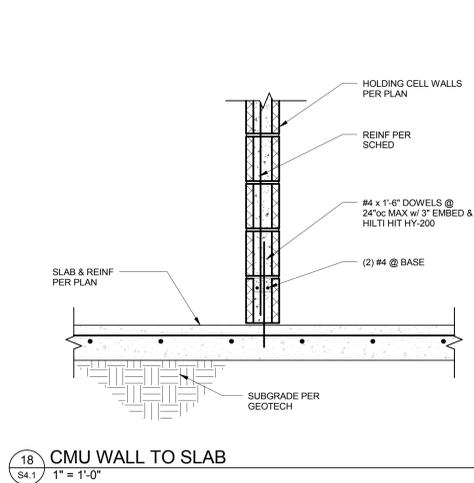
BAR	MASONRY LAP SPLICES		
	LENGTH (U.O.N.) IN INCHES		
	F <sub>m</sub> =1500 PSI	F <sub>m</sub> =2000 PSI	F <sub>m</sub> =2500 PSI
#3	16	14	12
#4	27	24	21
#5	33	30	27
#6	40	36	33
#7	54	48	42

NOTE: WHEN TWO BAR SIZES ARE SPLICED, USE LAP LENGTH OF SMALLER BAR

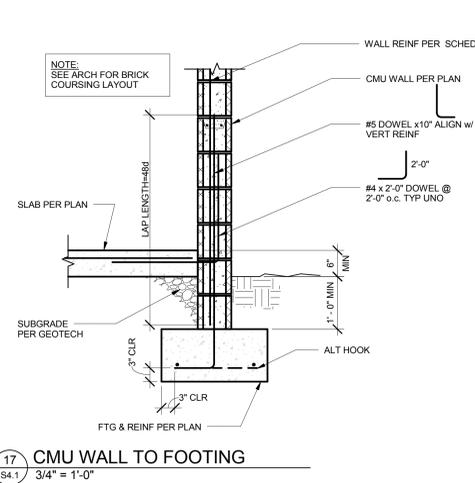
12 TYPICAL LAP SPLICE - MASONRY  
S4.1 1 1/2" = 1'-0"



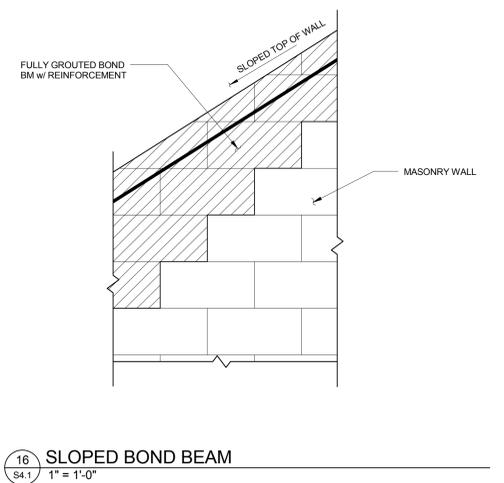
19 CMU WALL TO FOOTING  
S4.1 3/4" = 1'-0"



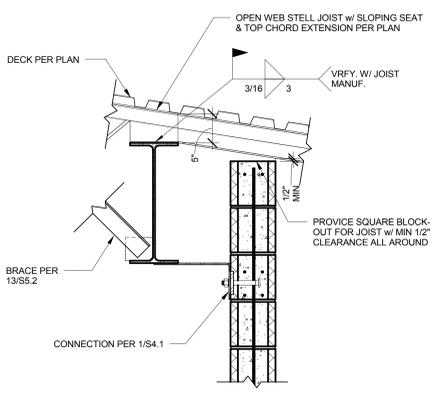
18 CMU WALL TO SLAB  
S4.1 1" = 1'-0"



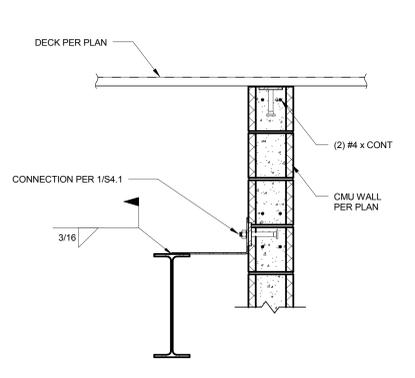
17 CMU WALL TO FOOTING  
S4.1 3/4" = 1'-0"



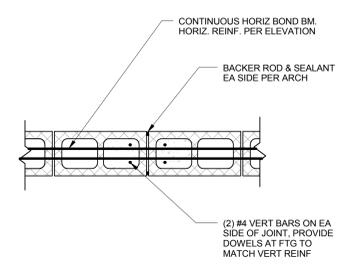
16 SLOPED BOND BEAM  
S4.1 1" = 1'-0"



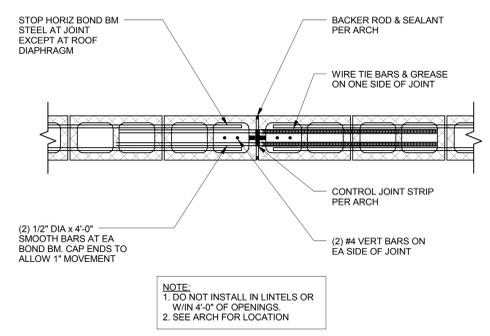
**1 ROOF JOISTS @ WALL**  
 S4.2 1" = 1'-0"



**2 HIGH ROOF - PARALLEL**  
 S4.2 1" = 1'-0"



**6 WALL CONTROL JOINT**  
 S4.2 1" = 1'-0"



**7 WALL EXPANSION JOINT**  
 S4.2 1" = 1'-0"

**NOTE:**  
 1. DO NOT INSTALL IN LINTELS OR WITHIN 4'-0" OF OPENINGS.  
 2. SEE ARCH FOR LOCATION

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**MASONRY DETAILS**

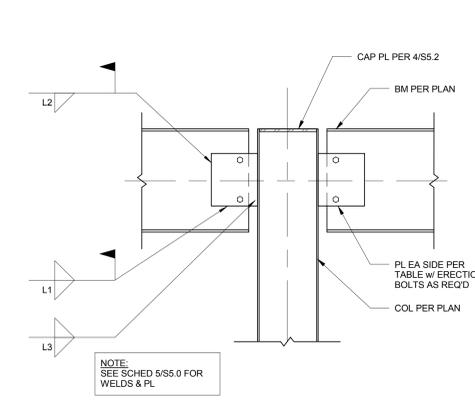
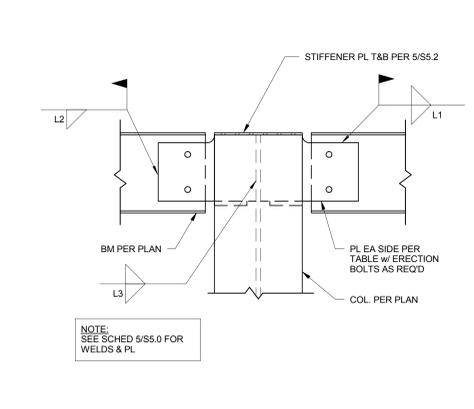
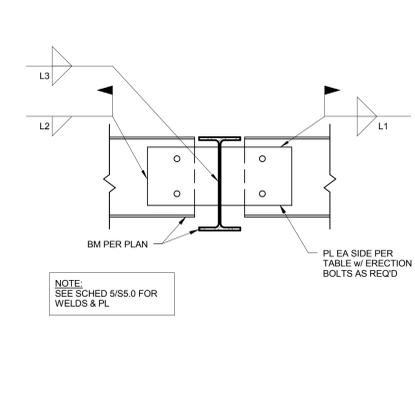
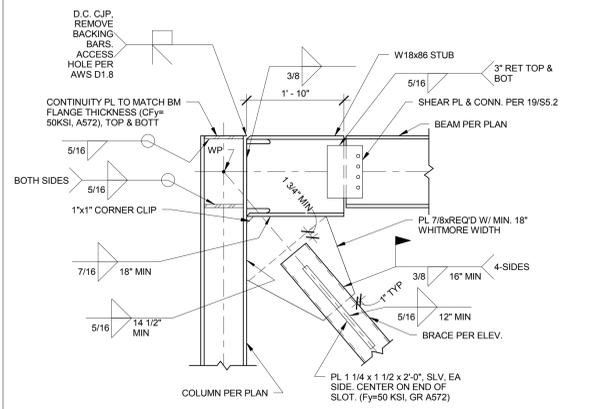
DRAWN BY: AGW  
 CHECKED BY: LSH, TLS  
 SHEET

**S4.2**

JOB NO. **2140284.02**



MARK	PLATE	WELDS		
		L1	L2	L3
A	PL 3/8 X (BM DEPTH - 6") X REQ'D	2"	5/16"	5/16"
B	PL 1/2 X (BM DEPTH - 6") X REQ'D	5"	5/16"	5/16"
C	PL 1/2 X (BM DEPTH - 6") X REQ'D	9"	5/16"	5/16"
C	PL 5/8 X (BM DEPTH - 6") X REQ'D	9"	3/8"	3/8"



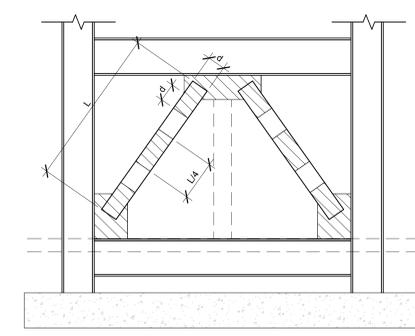
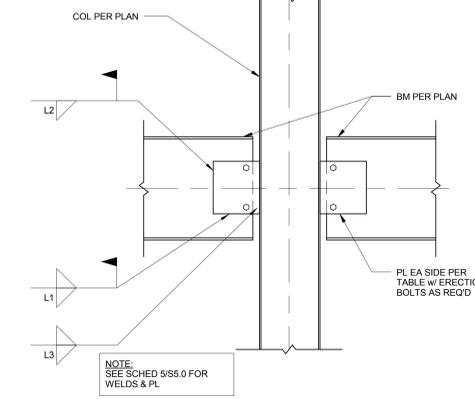
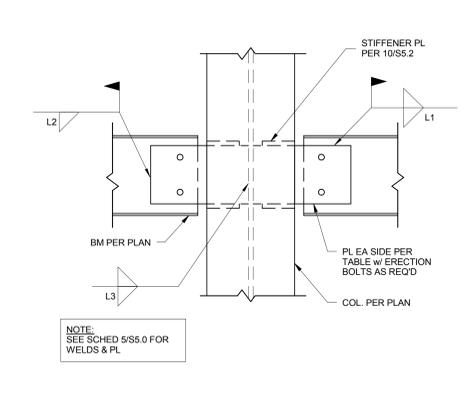
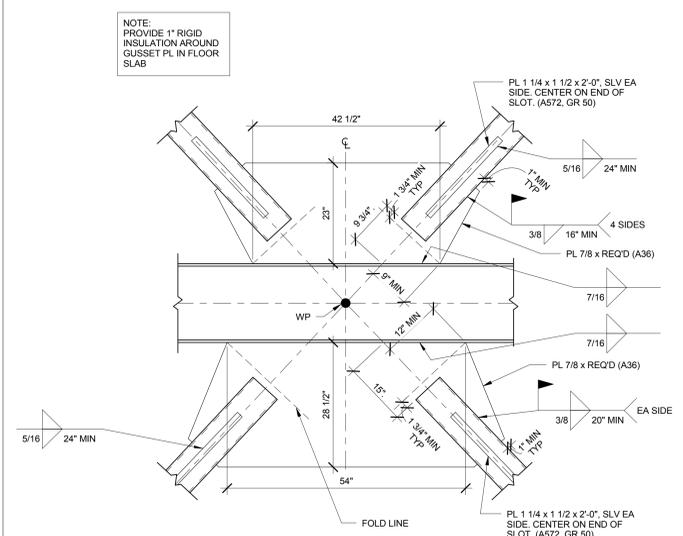
1 BRACE CONNECTION AT ROOF  
S5.0 3/4" = 1'-0"

2 DRAG CONN AT BEAM  
S5.0 1" = 1'-0"

3 DRAG CONN AT ROOF  
S5.0 1" = 1'-0"

4 DRAG CONN AT ROOF  
S5.0 3/4" = 1'-0"

5 DRAG CONNECTION SCHEDULE  
S5.0 1" = 1'-0"

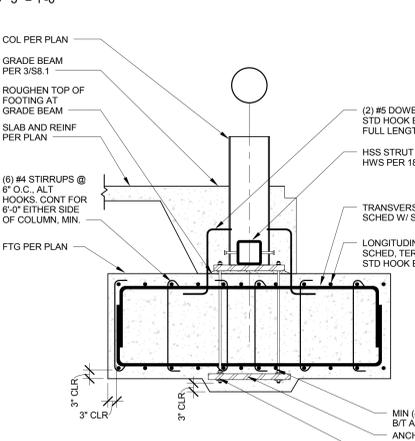
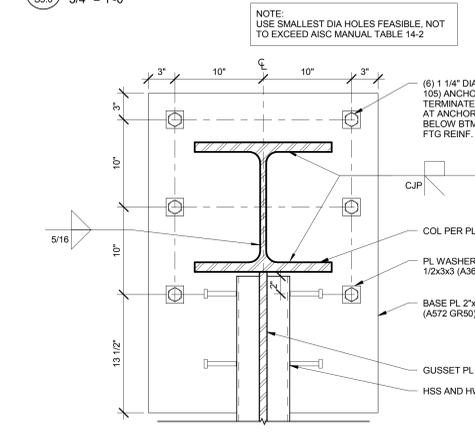
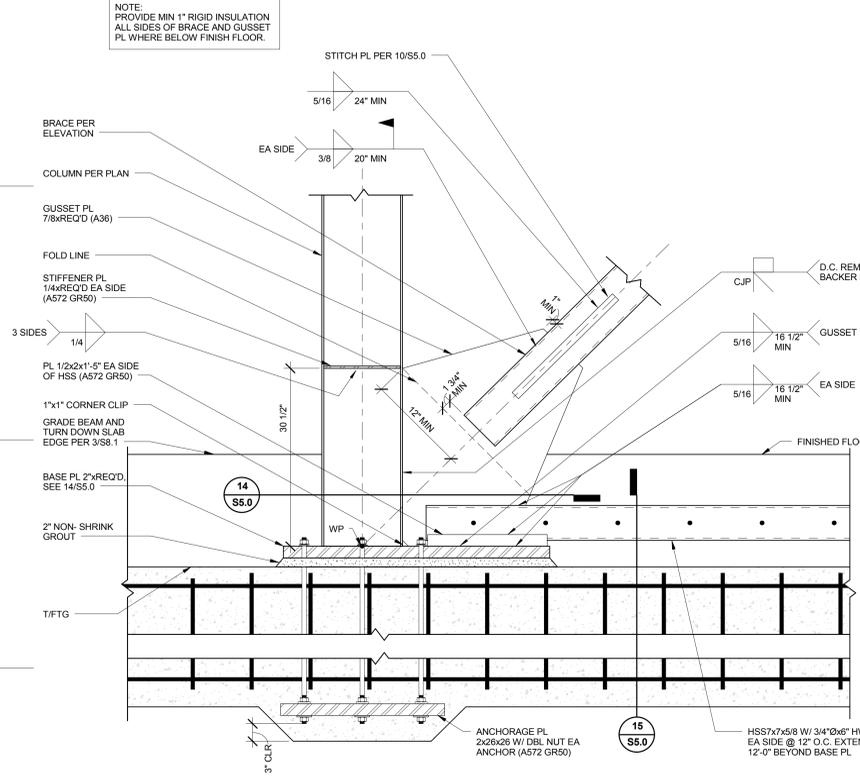
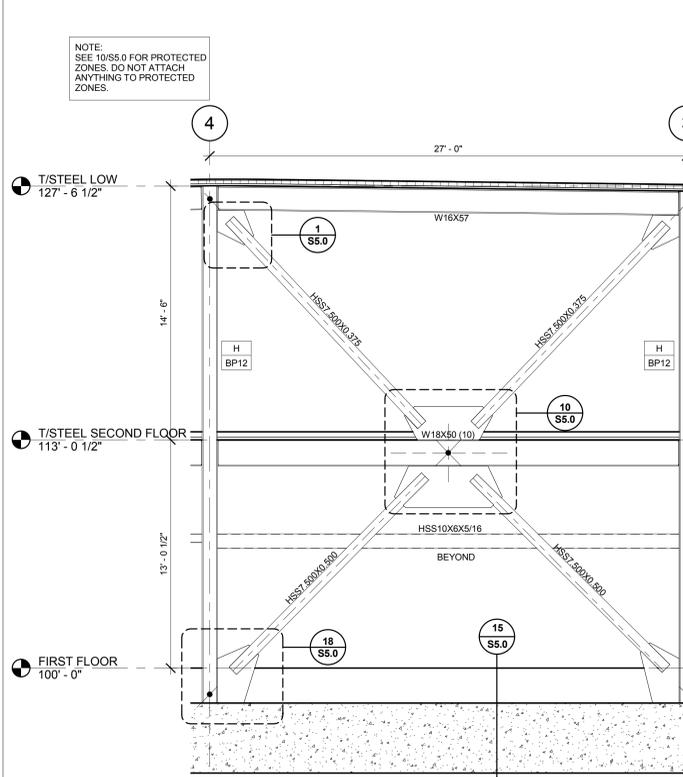


10 BRACE CONN. AT BEAM  
S5.0 3/4" = 1'-0"

8 DRAG CONN  
S5.0 1" = 1'-0"

9 DRAG CONN  
S5.0 3/4" = 1'-0"

11 BRACED FRAMES - PROTECTED ZONE  
S5.0 3" = 1'-0"



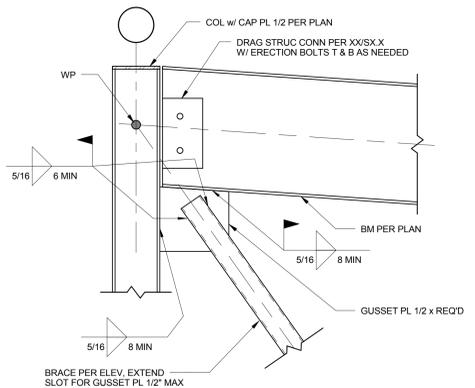
16 BRACE ELEVATION  
S5.0 1/4" = 1'-0"

18 S5.0/18 - FRAMING  
S5.0 1" = 1'-0"

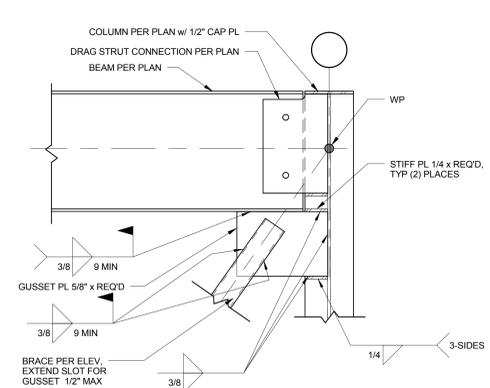
14 BRACE BASE PL  
S5.0 1 1/2" = 1'-0"

15 FOOTING AT BRACE  
S5.0 1/2" = 1'-0"

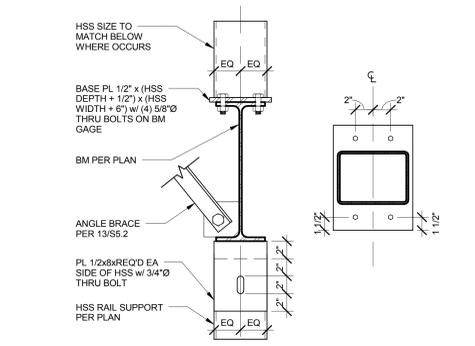
Revision Schedule	
Revision Delta	Issue Date



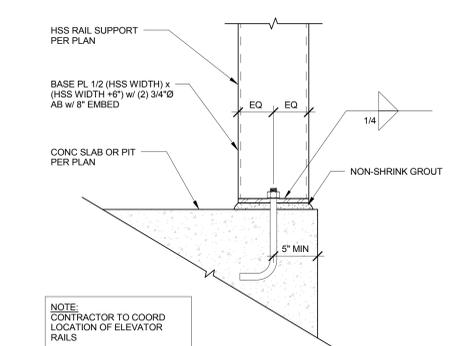
1 BRACE TO GUSSET CONNECTION  
SS.1 1" = 1'-0"



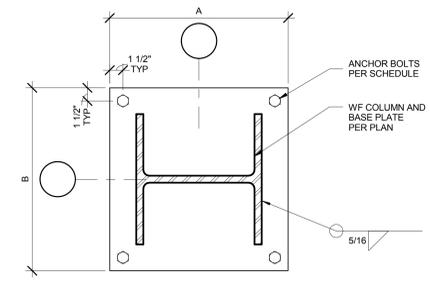
2 BRACE TO COLUMN - WEAK AXIS  
SS.1 1" = 1'-0"



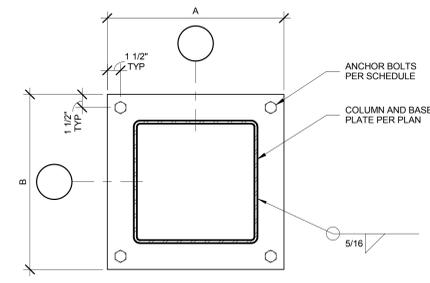
11 HSS RAIL CONNECTION AT BEAM  
SS.1 1 1/2" = 1'-0"



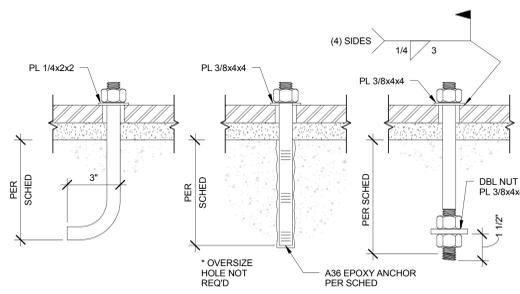
16 HSS RAIL SUPPORT  
SS.1 1 1/2" = 1'-0"



14 WF BASEPLATE  
SS.1 1 1/2" = 1'-0"



15 HSS BASE PLATE  
SS.1 1 1/2" = 1'-0"



19 ANCHOR BOLTS  
SS.1 3" = 1'-0"

NOTES:  
1. MAX SIZE OF BASE PL HOLES FOR AB TO BE IN ACCORDANCE w/ AISC TABLE 14-2  
2. d<sub>b</sub> = BOLT DIAMETER

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Revision Schedule	
Revision Delta	Issue Date

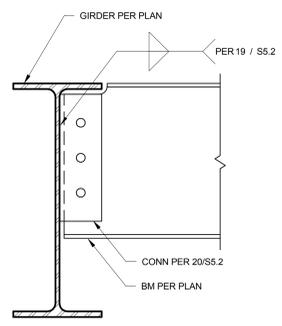
SHEET TITLE:  
**STEEL DETAILS**

DRAWN BY: AGW  
CHECKED BY: LSH, TLS

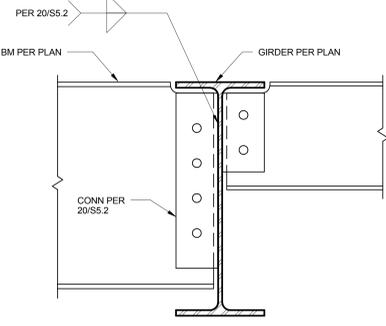
SHEET

**S5.1**

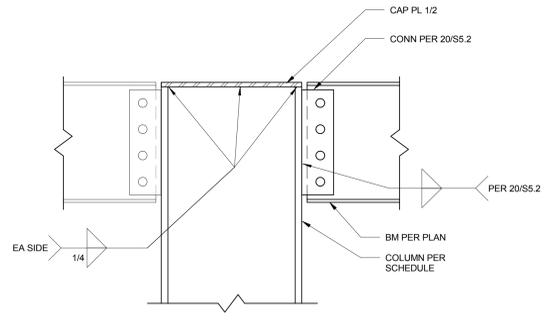
JOB NO. 2140284.02



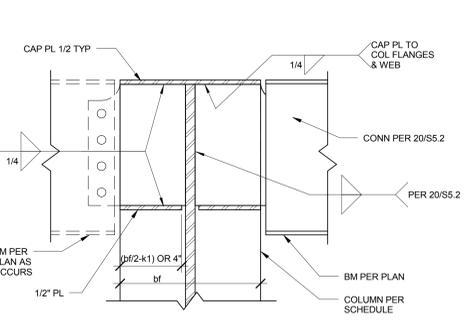
**2**  
S5.2 ONE SIDED SHEAR CONNECTION  
1 1/2" = 1'-0"



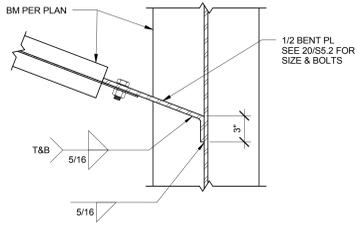
**3**  
S5.2 SHEAR CONNECTION  
1 1/2" = 1'-0"



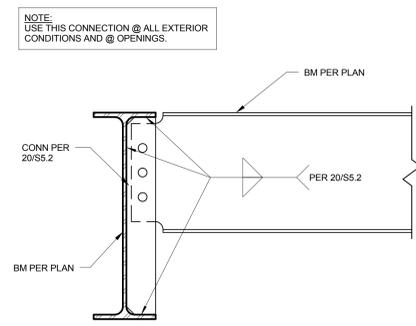
**4**  
S5.2 ROOF BEAM CONN AT COL  
1 1/2" = 1'-0"



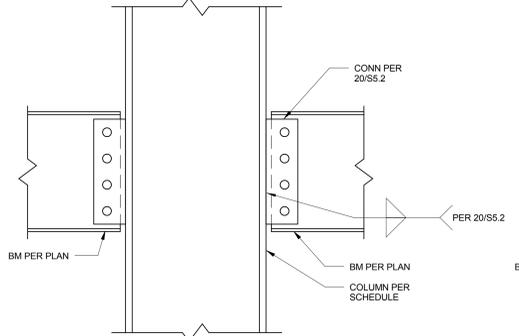
**5**  
S5.2 ROOF BEAM CONN AT COL  
1 1/2" = 1'-0"



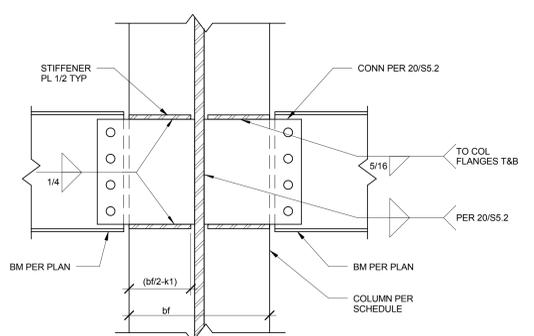
**7**  
S5.2 SKEWED NON MOMENT CONN  
1 1/2" = 1'-0"



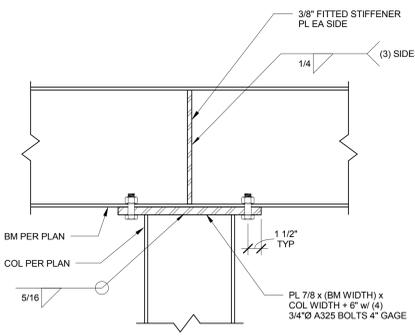
**8**  
S5.2 ONE-SIDED SHEAR CONNECTION W/ F.H.S.  
1 1/2" = 1'-0"



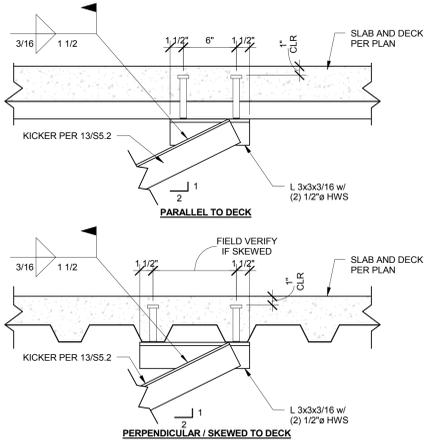
**9**  
S5.2 BEAM CONN AT COLUMN  
1 1/2" = 1'-0"



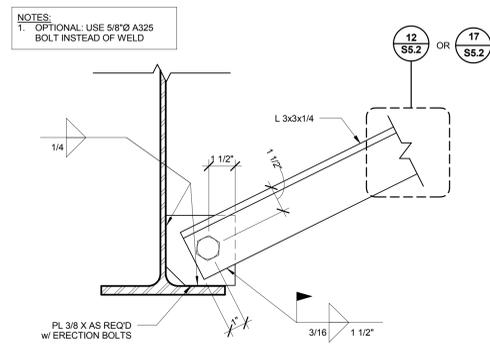
**10**  
S5.2 BEAM CONN AT COLUMN  
1 1/2" = 1'-0"



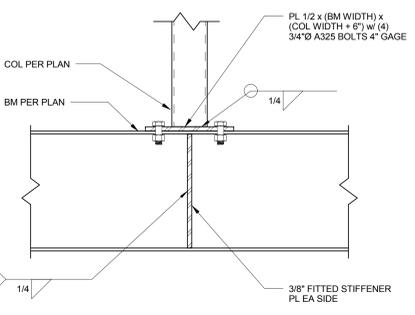
**11**  
S5.2 CONTILEVERED BM AT COL  
1 1/2" = 1'-0"



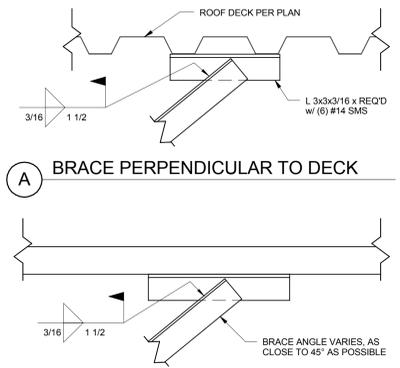
**12**  
S5.2 BRACE PERP TO DECK / SKEWED  
1 1/2" = 1'-0"



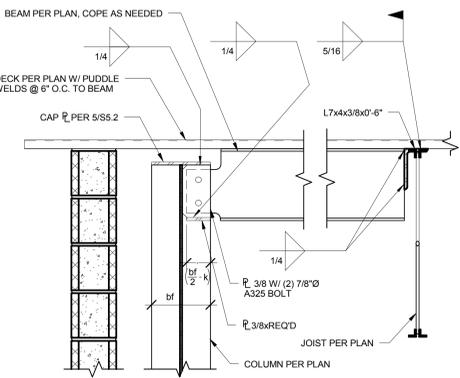
**13**  
S5.2 BRACE TO BEAM CONNECTION  
3" = 1'-0"



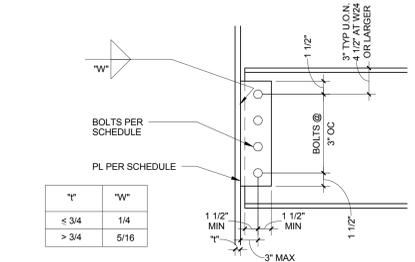
**16**  
S5.2 TRANSFER BEAM COLUMN CONNECTOR  
1 1/2" = 1'-0"



**17**  
S5.2 BRACE CONNECTION TO ROOF  
1 1/2" = 1'-0"



**18**  
S5.2 COLUMN BEAM SUPPORT  
1" = 1'-0"



**BOLT AND PLATE SCHEDULE**

BEAM	# OF A-325 BOLTS	PLATE
W10, C10	(2) 7/8" DIA	3/8"
C12, W12, W14	(3) 7/8" DIA	3/8"
W16, W18	(4) 7/8" DIA	3/8"
W21	(5) 7/8" DIA	3/8"
W24	(6) 1" DIA	1/2"
W27, W30	(7) 1" DIA	1/2"
W33	(9) 1" DIA	1/2"

**19**  
S5.2 TYPICAL BOLTED CONNECTION  
1 1/2" = 1'-0"

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**Revision Schedule**

Revision Delta	Issue Date

SHEET TITLE:  
**STEEL DETAILS**

DRAWN BY: AGW  
CHECKED BY: LSH, TLS

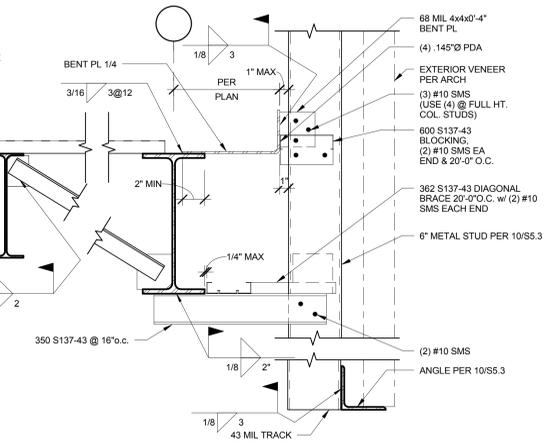
SHEET

**S5.2**

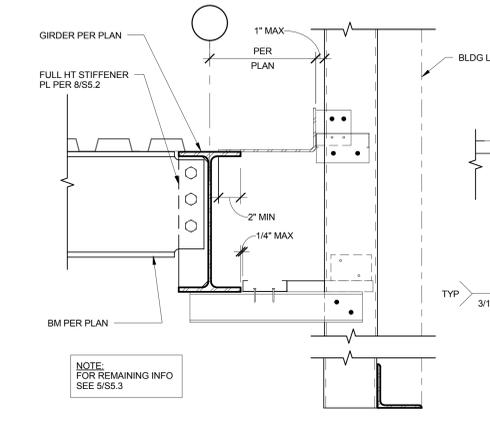
JOB NO. 2140284.02



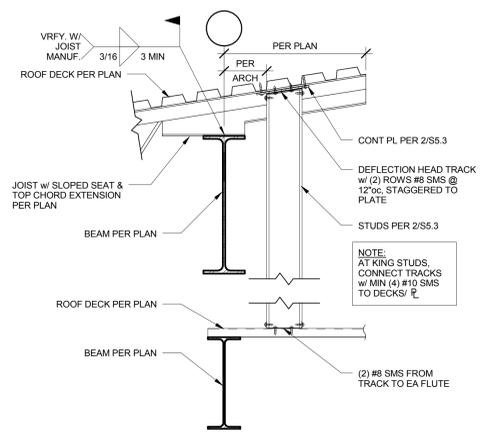
Revision Schedule	
Revision Delta	Issue Date



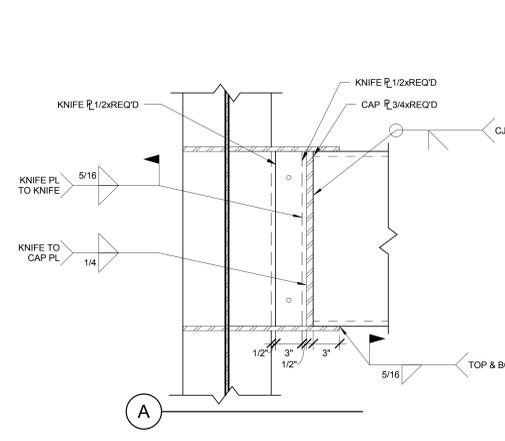
5 SECTION AT ROOF PERIMETER  
S5.3 1 1/2" = 1'-0"



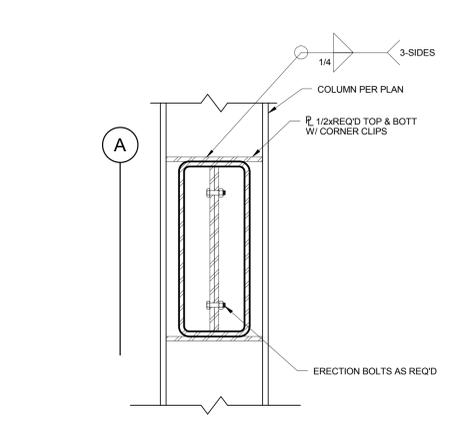
4 SECTION AT PERIMETER  
S5.3 1 1/2" = 1'-0"



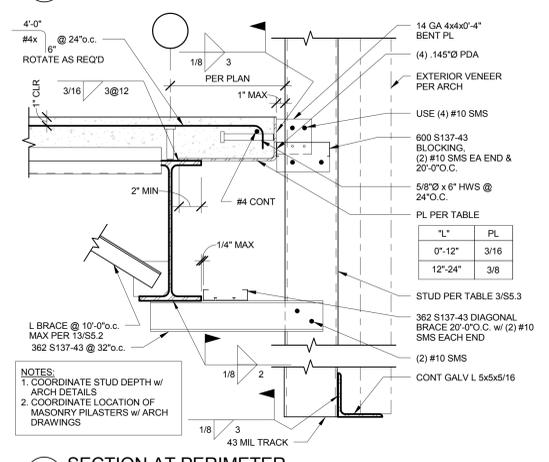
3 HIGH ROOF - PERPENDICULAR  
S5.3 1" = 1'-0"



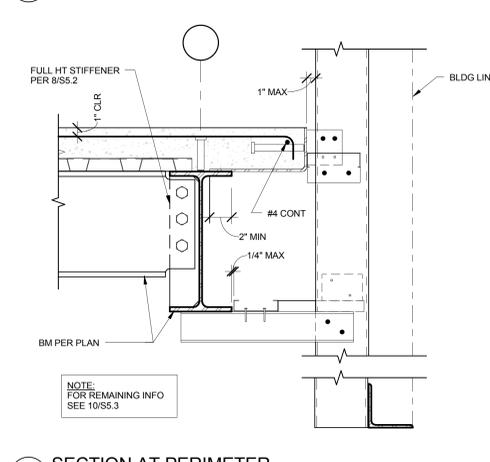
2 HSS TORSION CONNECTION  
S5.3 1 1/2" = 1'-0"



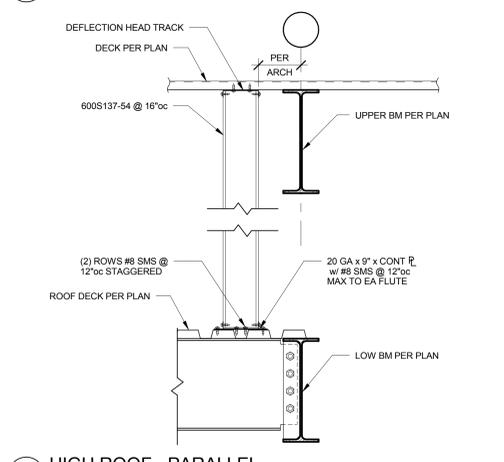
1 HSS TORSION CONNECTION  
S5.3 1 1/2" = 1'-0"



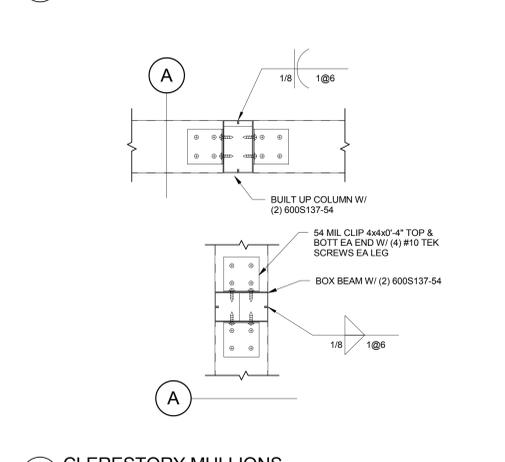
10 SECTION AT PERIMETER  
S5.3 1 1/2" = 1'-0"



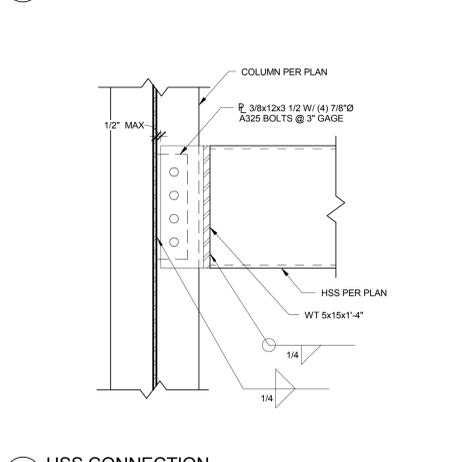
9 SECTION AT PERIMETER  
S5.3 1 1/2" = 1'-0"



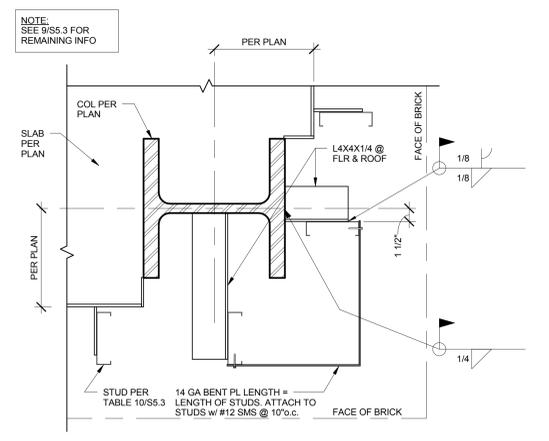
8 HIGH ROOF - PARALLEL  
S5.3 1" = 1'-0"



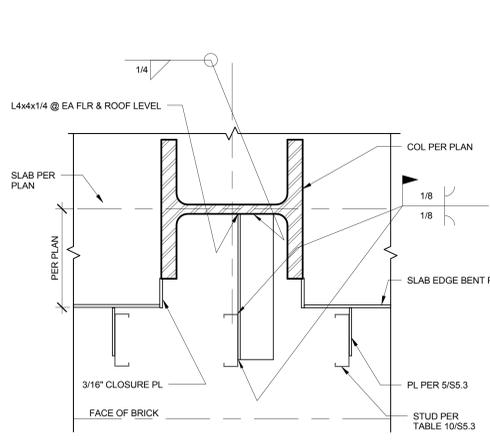
7 CLERESTORY MULLIONS  
S5.3 1 1/2" = 1'-0"



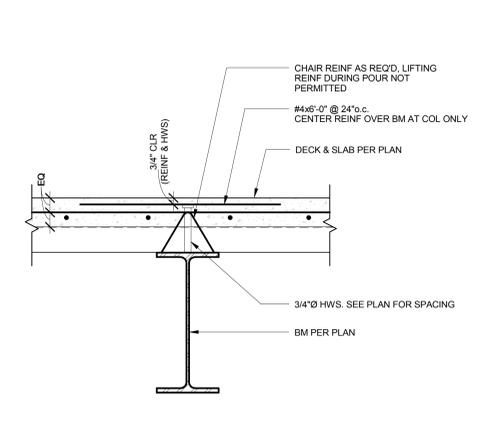
6 HSS CONNECTION  
S5.3 1 1/2" = 1'-0"



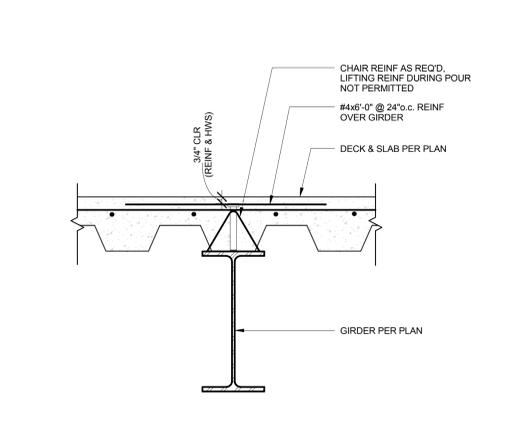
15 STUD SUPPORT AT CORNER COL  
S5.3 1 1/2" = 1'-0"



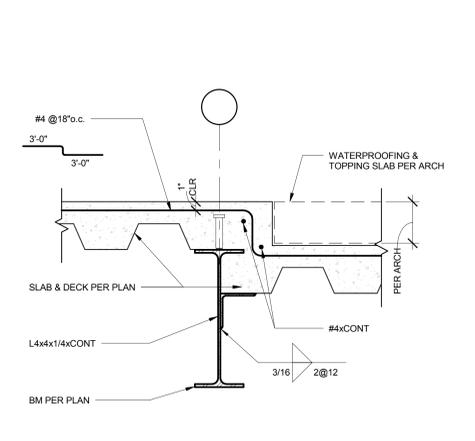
14 STUD SUPPORT AT COLUMN  
S5.3 1 1/2" = 1'-0"



13 TYPICAL COMPOSITE BEAM  
S5.3 1 1/2" = 1'-0"



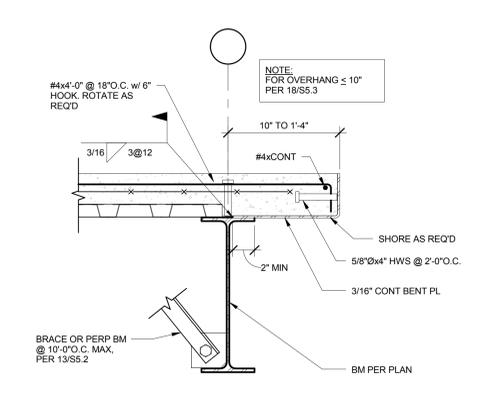
12 ADDITIONAL REINF AT GIRDER  
S5.3 1 1/2" = 1'-0"



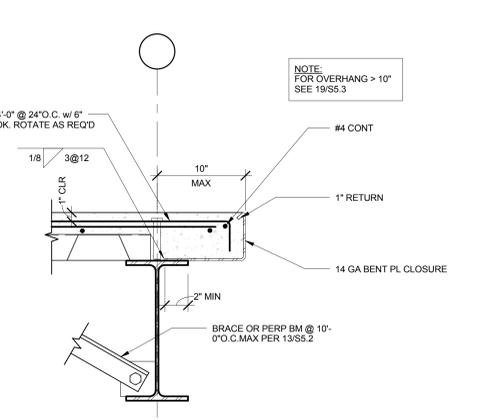
11 STEP IN FLOOR SLAB  
S5.3 1 1/2" = 1'-0"



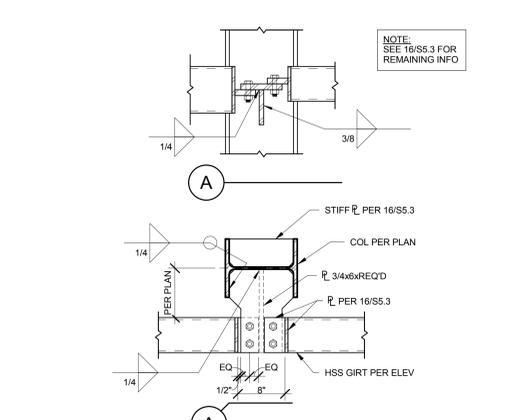
18 SECTION AT INTERIOR OPENING  
S5.3 1 1/2" = 1'-0"



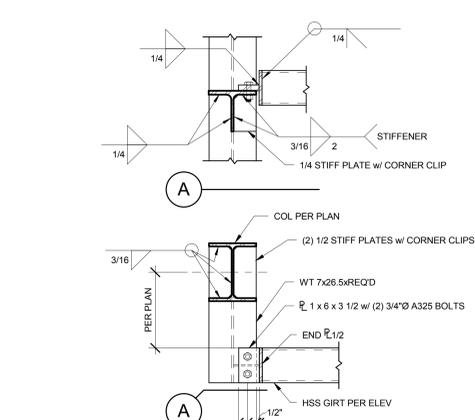
19 INTERIOR SLAB EDGE  
S5.3 1 1/2" = 1'-0"



18 SECTION AT INTERIOR OPENING  
S5.3 1 1/2" = 1'-0"

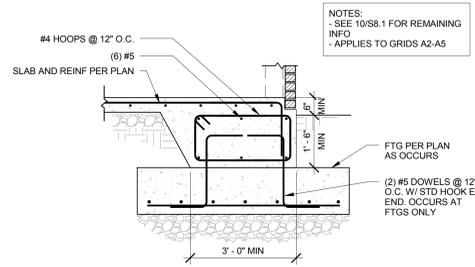


17 GIRT CONNECTION - DEPTH CHANGE  
S5.3 1 1/2" = 1'-0"

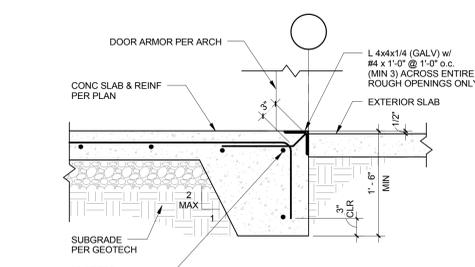


16 GIRT CONNECTION  
S5.3 1 1/2" = 1'-0"

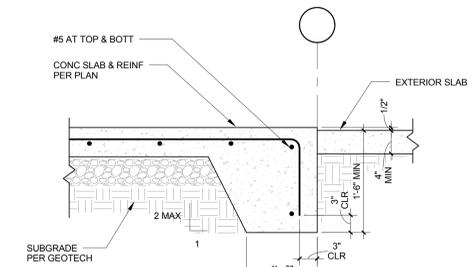




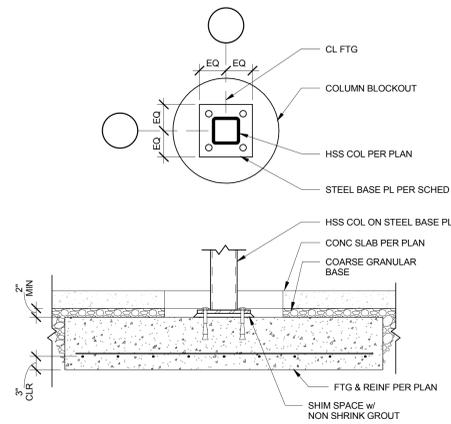
**3 GRADE BEAM @ TURN DOWN**  
S8.1 1/2" = 1'-0"



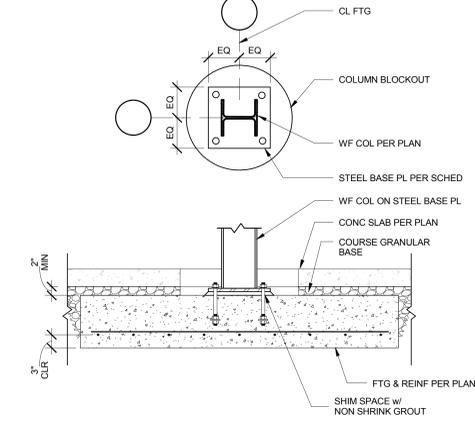
**4 TURN DOWN SLAB EDGE @ DRIVE-IN DOOR**  
S8.1 1" = 1'-0"



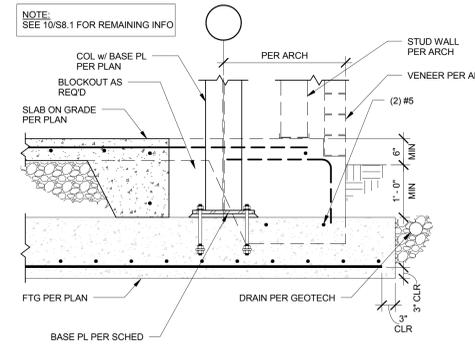
**5 TURN DOWN SLAB EDGE**  
S8.1 1" = 1'-0"



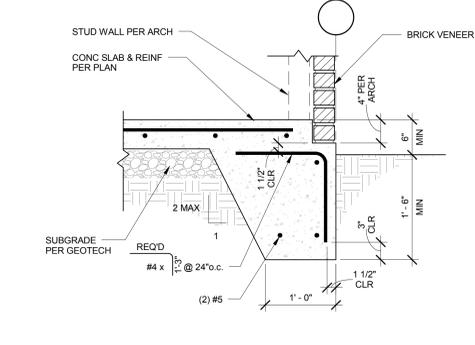
**7 HSS COLUMN TO FOOTING**  
S8.1 3/4" = 1'-0"



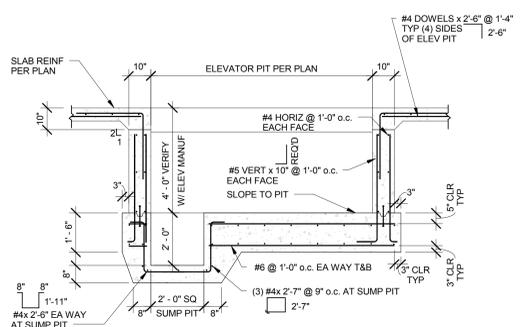
**8 WF COLUMN TO FOOTING**  
S8.1 3/4" = 1'-0"



**9 SLAB AND FOOTING**  
S8.1 3/4" = 1'-0"



**10 TURN DOWN SLAB EDGE**  
S8.1 1" = 1'-0"



**15 ELEVATOR PIT SECTION**  
S8.1 3/8" = 1'-0"

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**CONCRETE DETAILS**

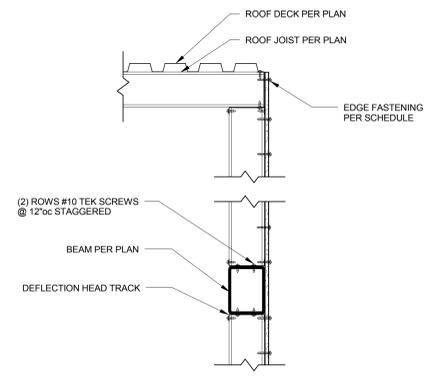
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CHECKED BY: LSH, TLS

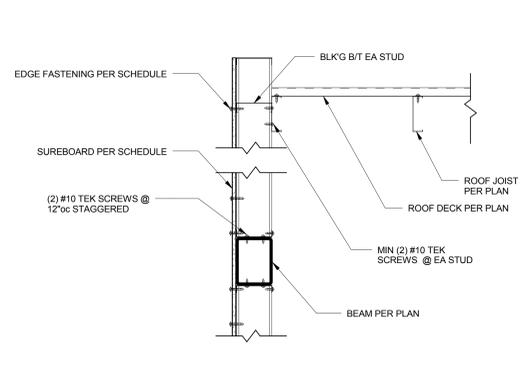
SHEET

**S8.1**

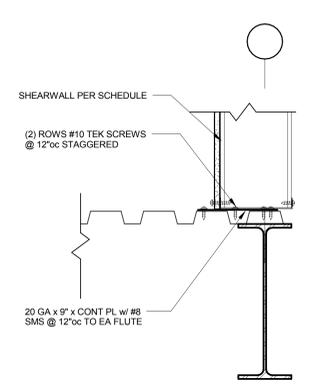
JOB NO. 2140284.02



**1** STAIR TOWER FRAMING  
 S9.1 1" = 1'-0"



**2** STAIR TOWER WALL  
 S9.1 1" = 1'-0"



**3** STAIR WALLS TO ROOF  
 S9.1 1 1/2" = 1'-0"

Project

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Revision Delta	Issue Date

SHEET TITLE:  
**MISCELLANEOUS  
 DETAILS**

DRAWN BY: AGW  
 CHECKED BY: LSH, TLS

SHEET

**S9.1**

JOB NO. 2140284.02



Architecture - Interiors  
Planning - Engineering

Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
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Client

**CITY OF ALBANY**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321



Project

**ALBANY POLICE DEPARTMENT**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**MECHANICAL SYMBOLS LISTS, GENERAL NOTES AND SHEET INDEX**

DRAWN BY: Author

CHECKED BY: GWK

SHEET

CoA  
STAMP AREA  
**MO.1**

JOB NO. 2140284.02

## GENERAL MECHANICAL NOTES

- COORDINATE FINAL LOCATION OF EQUIPMENT, DUCTS, DIFFUSERS AND GRILLES WITH STRUCTURE, REFLECTED CEILING PLAN, AND LIGHTING LAYOUT PRIOR TO ROUGH-IN. ROUTE ALL PIPING AND DUCTS SO THAT THEY ARE NOT EXPOSED TO VIEW IN CLASSROOMS OR MEDIA CENTER. KEEP DUCTS AND PIPING TIGHT TO STRUCTURE AND ROUTE ALONG BUILDING LINES.
- INSTALL EQUIPMENT TO PROVIDE SERVICE CLEARANCES AS RECOMMENDED BY THE MANUFACTURER, AND AS REQUIRED BY CODE AND LOCAL INSPECTOR. PROVIDE CLEAR LABELING OF FILTER PANELS VERIFY ADEQUATE ACCESS FOR ROUTINE MAINTENANCE.
- PROVIDE ROOF CURBS FOR EQUIPMENT REQUIRING A ROOF PENETRATION. PROVIDE EQUIPMENT SUPPORTS FOR ROOF MOUNTED EQUIPMENT NOT REQUIRING A PENETRATION. COORDINATE ROOF CURBS AND SUPPORTS WITH ROOFING SYSTEM. SEISMICALLY ATTACH EQUIPMENT TO CURB AND STRUCTURE.
- PROVIDE VOLUME DAMPERS IN RUNOUTS TO SUPPLY, EXHAUST, AND RETURN GRILLES UNLESS NOTED OTHERWISE AND WHERE SHOWN ON DRAWINGS. LOCATE VOLUME DAMPERS AT BRANCH CONNECTION WHERE POSSIBLE. PROVIDE CONCEALED DAMPER OPERATOR IN LOCATIONS WHERE DAMPER IS INACCESSIBLE.
- ALL DUCTWORK TO BE MINIMUM 24 GAUGE SHEETMETAL, WHEN TRAVELLING BETWEEN RATED OCCUPANCY SEPARATIONS, AREA SEPARATIONS, OR OVER RATED EXIT CORRIDORS AND PASSAGEWAYS.
- VERIFY EXACT KITCHEN HOOD DUCT CONNECTION SIZES AND LOCATIONS WITH HOOD SUPPLIER AND KITCHEN EQUIPMENT DRAWINGS PRIOR TO ROUGH-IN. PROVIDE FIRE RATED GREASE DUCT ENCLOSURE PER CODE.
- ALL WALL MOUNTED GRILLES TO BE FACTORY PRIME COATED AND PAINTED IN FIELD AS SPECIFIED BY ARCHITECTURAL. COORDINATE GRILLE MOUNTING HEIGHTS AND SPACES REQUIRED FOR INSTALLATION WITH ARCHITECTURAL.
- MOUNT ALL SENSORS, THERMOSTATS, AND SWITCHES 48" AFF.
- TRANSITION FROM DUCT SIZE SHOWN TO DIFFUSER NECK SIZE A MINIMUM OF 2 FEET BEFORE OUTLET OR INSTALL DUCT THE SAME SIZE AS OUTLET, AT CONTRACTOR'S OPTION.
- SMULTANEOUS HEATING AND COOLING IS NOT ALLOWED. SENSORS AND CONTROL SYSTEM ARE CAPABLE OF A 5 DEGREE DEADBAND, MINIMUM, CAPABLE OF NIGHT SETBACK AND 7 DIFFERENT DAY TYPES, AND STAGED HEATING CONTROL. AIR SYSTEMS CAPABLE OF OPTIMUM START.
- AIR ECONOMIZERS ARE REQUIRED ON THIS PROJECT BECAUSE, BY DEFINITION, COMPLEX SYSTEMS ARE BEING INSTALLED. CONTROLS ARE ABLE TO EVALUATE IF OUTSIDE AIR CAN MEET PART OR ALL OF COOLING LOAD. SEAL DUCTS AND PROVIDE INSULATION ON DUCTS AND PIPING ACCORDING TO SPECIFICATION SECTIONS 23 31 00 AND 23 07 00.
- TEST HVAC CONTROL DEVICES, COMPONENTS, EQUIPMENT, AND SYSTEMS TO ENSURE THEY ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER PRIOR TO OCCUPANCY.
- PROVIDE RECORD DRAWINGS OF ACTUAL INSTALLATION WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE TO BUILDING OWNER. PROVIDE OPERATING AND MAINTENANCE MANUAL CONTAINING SUBMITTAL DATA AND OTHER INFORMATION REQUIRED BY SPECIFICATIONS AND ENERGY CODE.
- AIR SUPPLY TEMPERATURES ARE BEING RESET ACCORDING TO OUTSIDE AIR TEMPERATURE.
- MECHANICAL UNITS IN EXCESS OF 400 LBS SHALL BE ANCHORED TO STRUCTURE. DESIGN OF ANCHORAGE SHALL BE A DEFERRED SUBMITTAL IN ACCORDANCE WITH 23 00 00 AND 23 05 48. DRAWINGS AND CALCULATIONS SUBMITTED FOR THIS WORK SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OREGON.
- RUNOUTS TO DIFFUSERS AND GRILLES SAME SIZE AS NECK OF DIFFUSER OR GRILLE UNLESS OTHERWISE NOTED. MEDIUM PRESSURE BRANCH DUCTS UPSTREAM OF TERMINAL UNITS TO BE SAME SIZE AS TERMINAL UNIT INLET UNLESS OTHERWISE NOTED.
- REFERENCE SHEET M3.1 FOR MECHANICAL CONSTRUCTION DETAILS.

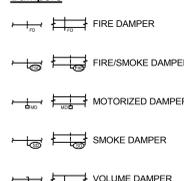
## MECHANICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

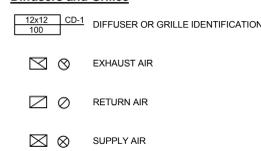
### Abbreviations

AFF ABOVE FINISHED FLOOR  
 AD ACCESS DOOR  
 A/C AIR CONDITIONED  
 BDD BACKDRAFT DAMPER  
 BFP BACKFLOW PREVENTER  
 BFF BELOW FINISHED FLOOR  
 BHP BRAKE HORSEPOWER  
 CD CEILING DIFFUSER  
 CV CHECK VALVE  
 COP COEFFICIENT OF PERFORMANCE  
 CW COLD WATER  
 CD CONDENSATE DRAIN  
 CU CONDENSING UNIT  
 CONT. CONTINUATION  
 DB DECIBEL  
 DIA DIAMETER  
 DX DIRECT EXPANSION  
 DROP  
 DB DRY BULB  
 EFF EFFICIENT  
 ELEC ELECTRICAL  
 EER ENERGY EFFICIENCY RATING  
 EAT ENTERING AIR TEMPERATURE  
 EWT ENTERING WATER TEMPERATURE  
 EXH EXHAUST  
 EF EXHAUST FAN  
 F FAHRENHEIT  
 FT FEET  
 FD FIRE DAMPER  
 FLA FULL LOAD AMPS  
 GAL GALLONS  
 GPM GALLONS PER HOUR  
 GPM GALLONS PER MINUTE  
 HD HEAD  
 HTR HEATER  
 HTG HEATING  
 HP HORSEPOWER  
 HWC HOT WATER COIL  
 IN INCHES  
 ID INSIDE DIAMETER  
 IE INVERT ELEVATION  
 KW KILOWATT  
 LH LATENT HEAT  
 LAT LEAVING AIR TEMPERATURE  
 MAX MAXIMUM  
 MIN MINIMUM  
 MA MIXED AIR  
 MD MOTORIZED DAMPER  
 N/A NOT APPLICABLE  
 NIC NOT IN CONTRACT  
 NTS NOT TO SCALE  
 NO. NUMBER  
 CC ON CENTER  
 OBD OPPOSED BLADE DAMPER  
 OA OUTSIDE AIR  
 OD OUTSIDE DIAMETER  
 PH PHASE  
 LBS. POUNDS  
 PSI POUNDS PER SQUARE INCH  
 PD PRESSURE DROP  
 PRV PRESSURE REDUCING VALVE  
 QTY QUANTITY  
 RET RETURN  
 RA RETURN AIR  
 RPM REVOLUTIONS PER MINUTE  
 R RISE  
 SEER SEASONAL ENERGY EFFICIENCY RATING  
 SH SENSIBLE HEAT  
 SOV SHUT OFF VALVE  
 SF SQUARE FEET  
 SP STATIC PRESSURE  
 SA SUPPLY AIR  
 T, TEMP TEMPERATURE  
 TD TEMPERATURE DIFFERENCE  
 MBH THOUSAND BTUS PER HOUR  
 TH TOTAL HEAT  
 TP TOTAL PRESSURE  
 V VOLT  
 WC WATER COLUMN  
 W WATT  
 WB WET BULB  
 W WITH

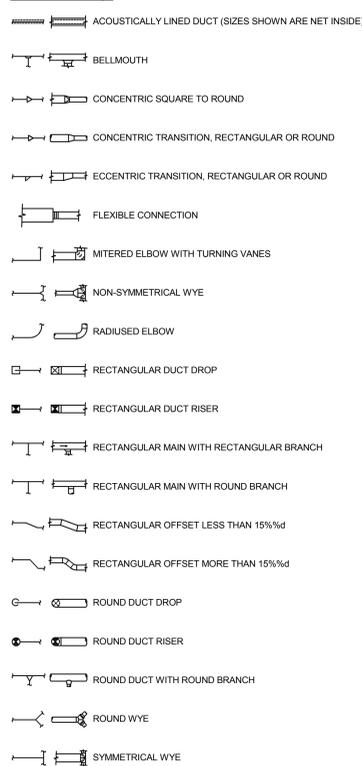
### Dampers



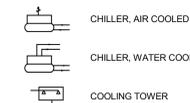
### Diffusers and Grilles



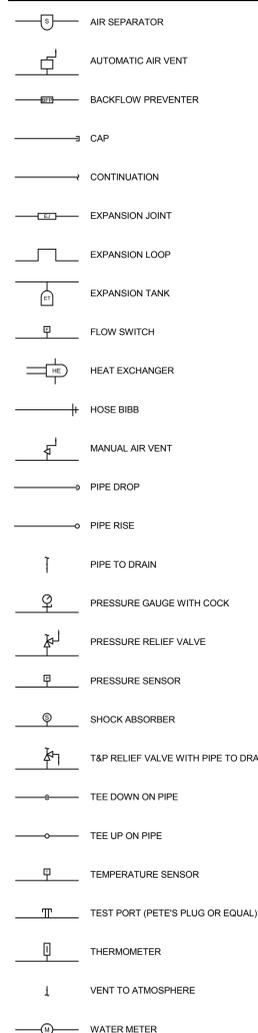
### Ductwork Fittings



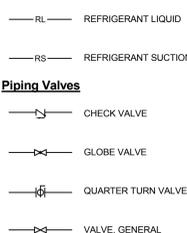
### Equipment



### Piping Fittings, Appurtenances and Equipment



### Piping Systems



### Piping Valves

## SHEET INDEX

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M2.1	FIRST FLOOR PLAN - MECHANICAL
M2.2	SECOND FLOOR PLAN - MECHANICAL
M2.3	ROOF PLAN - MECHANICAL
M3.1	DETAILS - MECHANICAL

PROJECT 2015-0047  
 CONTACT Andrew Craig  
  
 100 SW Main St.  
 Suite 1000  
 Portland, OR 97204  
 TEL 503.382.2286  
 FAX 503.382.2282  
 www.interfaceengineering.com

CoA  
STAMP AREA

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Architecture - Interiors  
Planning - Engineering

Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
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**CITY OF ALBANY**  
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SW ALBANY, OR, 97321



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DEPARTMENT**  
333 BROADBELBIN ST.  
SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

**VAV TERMINAL UNIT SCHEDULE**

SYMBOL	ROOM NUMBERS SERVED	INLET SIZE (IN.)	CFM			HEATING COIL		ELECTRICAL		REMARKS
			MAX	MIN	HTG	KW	STAGES	VOLT	PHASE	
TU 1-1	TECH LAB 133	8	700	140	280	2.0	1	208	1	
TU 1-2	OFFICER EVID. PROCESSING 138	6	400	80	160	1.0	1	208	1	
TU 1-3	ARMORY 145	6	300	60	120	1.0	1	208	1	
TU 1-4	REPORT WRITING 152	9	800	160	320	2.0	1	208	1	
TU 1-5	SM CONF 151	5	200	40	80	1.0	1	208	1	
TU 1-6	SUPERVISORS 153	6	400	80	160	1.0	1	208	1	
TU 1-7	INTER 165	7	500	100	200	1.5	1	208	1	
TU 1-8	RECORDS 116	10	1,100	220	440	2.5	1	208	1	
TU 1-9	INT/RECEIVE/LOBBY/INT.	6	400	80	160	1.5	1	208	1	
TU 1-10	CONTAIN/PRINT/IT WORK RM	6	370	75	150	1.0	1	208	1	
TU 1-9	INT/RECV 114	6	400	80	160	1.5	1	208	1	
TU 1-10	CONTAIN / PRINT 139	8	600	120	240	1.5	1	208	1	
TU 2-1	CRIME ANALYST 222	6	400	80	160	1.5	1	208	1	
TU 2-2	DETECTIVE 220	10	980	200	395	3.0	1	208	1	
TU 2-3	COMM EDUCATION CONF/FUT SGT/IT/STORAGE	8	375	75	150	2.0	1	208	1	
TU 2-4	COMM SERV SCHOOL RESOURCE 237	8	650	130	260	3.0	1	208	1	
TU 2-5	BRIEFING/ADMIN STOR/WORK ROOM 217	9	810	165	325	2.5	1	208	1	
TU 2-6	FUTURE OFFICE SHELL 216	8	600	120	240	1.5	1	208	1	

NOTES:  
1. HEATING COIL: 56F EAT.

**PARALLEL FAN POWERED TERMINAL UNIT SCHEDULE**

SYMBOL	AREA SERVED	INLET SIZE (IN.)	CFM		FAN		HEATING COIL		ELECTRICAL		REMARKS	
			MAX	MIN	CFM	E.S.P.	HP	(KW)	STAGES	VOLT		PHASE
FTU 1-1	READY ROOM 149	8	500	150	120	0.50	1/8	1.5	1.0	208	1	
FTU 1-2	SUPERVISORS 154	12	1,300	390	665	0.50	1/3	3.0	1.0	208	1	
FTU 1-3	REPORT WRITING 152	6	300	90	490	0.50	1/3	1.0	1.0	208	1	
FTU 1-4	TEMP HOLD 162	8	750	250	50	0.50	1/8	2.0	1.0	208	1	
FTU 1-5	RECORDS 116	8	600	180	255	0.50	1/8	2.0	1.0	208	1	
FTU 2-1	COMP. FOREN. 224	10	840	260	75	0.50	1/8	2.5	1.0	208	1	
FTU 2-2	TACTICAL OPERATIONS CONF. 223	8	680	210	320	0.50	1/3	3.0	1.0	208	1	
FTU 2-3	DETECTIVE 220	8	750	230	295	0.50	1/8	3.0	1.0	208	1	
FTU 2-4	BREAK ROOM 228	12	1,200	360	510	0.50	1/3	4.0	2.0	208	3	
FTU 2-5	STREET CRIMES 242	10	1,000	300	470	0.50	1/3	4.0	2.0	208	3	
FTU 2-6	SPECIALIST/ST. CR SGT.	6	400	120	150	0.50	1/8	2.0	1.0	208	1	
FTU 2-7	COMM SERV SCHOOL RESOURCE 237	10	1,050	320	165	0.50	1/8	4.0	2.0	208	3	
FTU 2-8	LOBBY/ADMIN RECEPTION 201	8	750	230	125	0.50	1/8	3.0	1.0	208	1	
FTU 2-9	ADMIN CLERK	8	700	210	160	0.50	1/8	3.0	1.0	208	1	
FTU 2-10	MED CONF RM 205	8	700	210	70	0.50	1/8	2.0	1.0	208	1	
FTU 2-11	LT 208/ADMIN ASST 207	8	600	180	190	0.50	1/8	2.0	1.0	208	1	
FTU 2-12	CPT 209/210	8	600	180	65	0.50	1/8	2.0	1.0	208	1	
FTU 2-13	CONF RM 211	8	430	180	60	0.50	1/8	1.5	1.0	208	1	
FTU 2-14	CHIEF/ADMIN SUPER	10	900	270	140	0.50	1/8	3.5	2.0	208	3	

NOTES:  
1. HEATING COIL: 60F EAT.

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Revision Delta	Issue Date

SHEET TITLE:  
**SCHEDULES -  
MECHANICAL**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**M0.3**

JOB NO. **2140284.02**

PROJECT 2015-0047  
CONTACT Andrew Craig  
  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2286  
FAX 503.382.2282  
www.interfaceengineering.com

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STAMP AREA



Architecture - Interiors  
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Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
Seattle, WA  
206.749.9993  
www.mcknze.com

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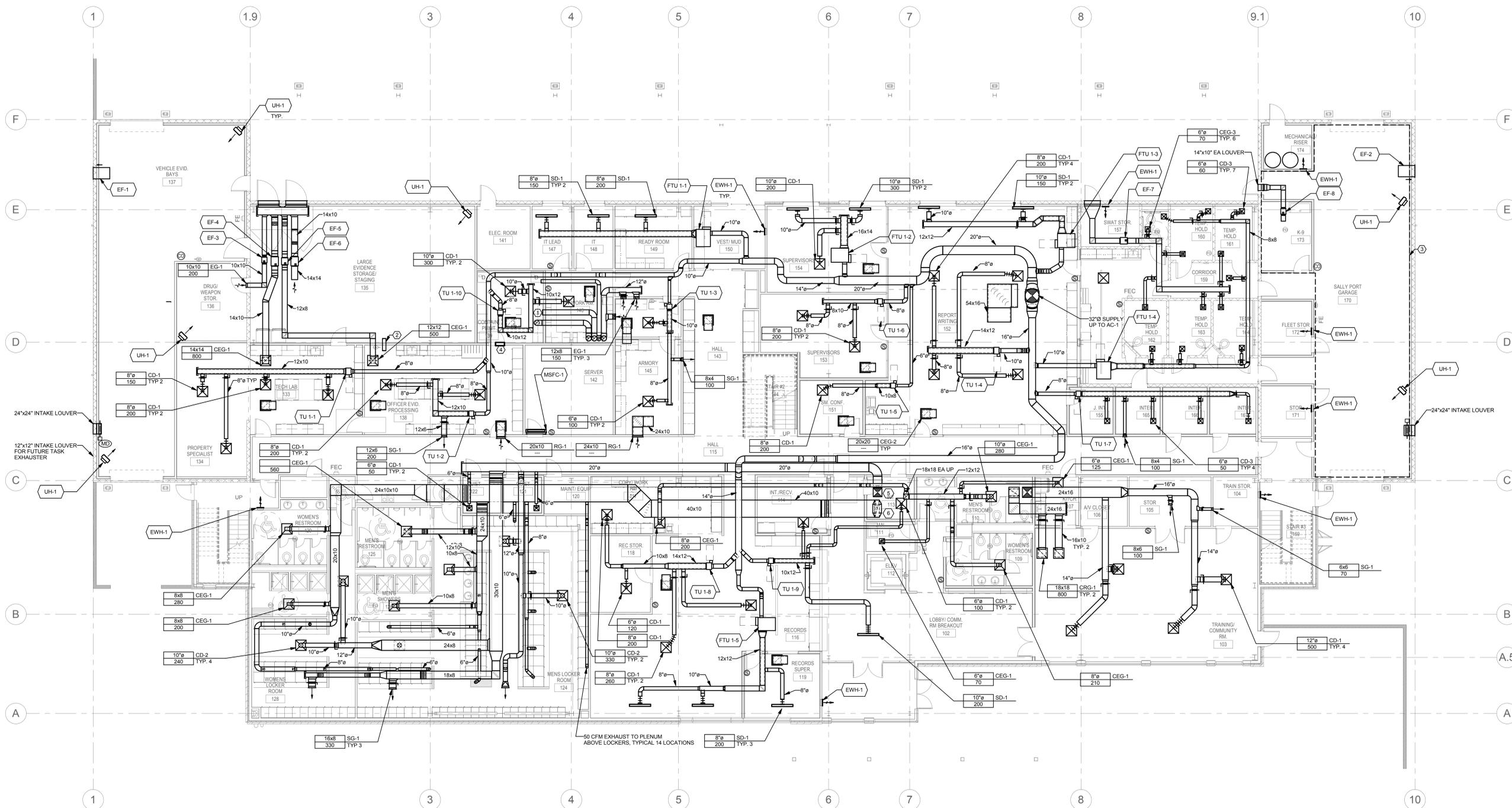
Project

**ALBANY POLICE DEPARTMENT**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321

Mechanical/Electrical  
INTERFACE ENGINEERING  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

### SHEET KEYNOTES

- 12"Ø EXHAUST STUBBED INTO ROOM FOR FUTURE CONNECTION TO FUME HOOD
- 8"Ø DUCT STUBBED INTO CEILING SPACE OF EVIDENCE PROCESSING AND EVIDENCE STORAGE FOR FUTURE CONNECTION TO TASK EXHAUSTER
- PROVIDE DESIGN/BUILD CENTRA-VAC SYSTEM TO SERVE SALLY PORT AND K-9 AREA.
- PROVIDE 18"x10" TRANSFER AIR OPENING ABOVE CEILING. PROVIDE BIRDSCREEN ON BOTH ENDS OF OPENING.
- 20"x20" SA UP TO HRV-1
- 40"x10" TRANSITION TO 20"x20" EA UP TO HRV-1



## 1 FIRST FLOOR PLAN - MECHANICAL



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Revision Schedule	
Revision	Issue Date
Delta	

SHEET TITLE:  
**FIRST FLOOR  
PLAN -  
MECHANICAL**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

# M2.1

JOB NO. **2140284.02**

PROJECT 2015-0047  
CONTACT Andrew Craig

100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
FAX: 503.382.2262  
www.interfaceengineering.com

CoA  
STAMP AREA



Architecture - Interiors  
Planning - Engineering

Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
Seattle, WA  
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Client

**CITY OF ALBANY**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321



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INTERFACE ENGINEERING  
708 SW 3RD AVE, SUITE 400  
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Revision Schedule	
Revision	Issue Date
Delta	

SHEET TITLE:  
**SECOND FLOOR PLAN - MECHANICAL**

DRAWN BY: Author

CHECKED BY: Checker

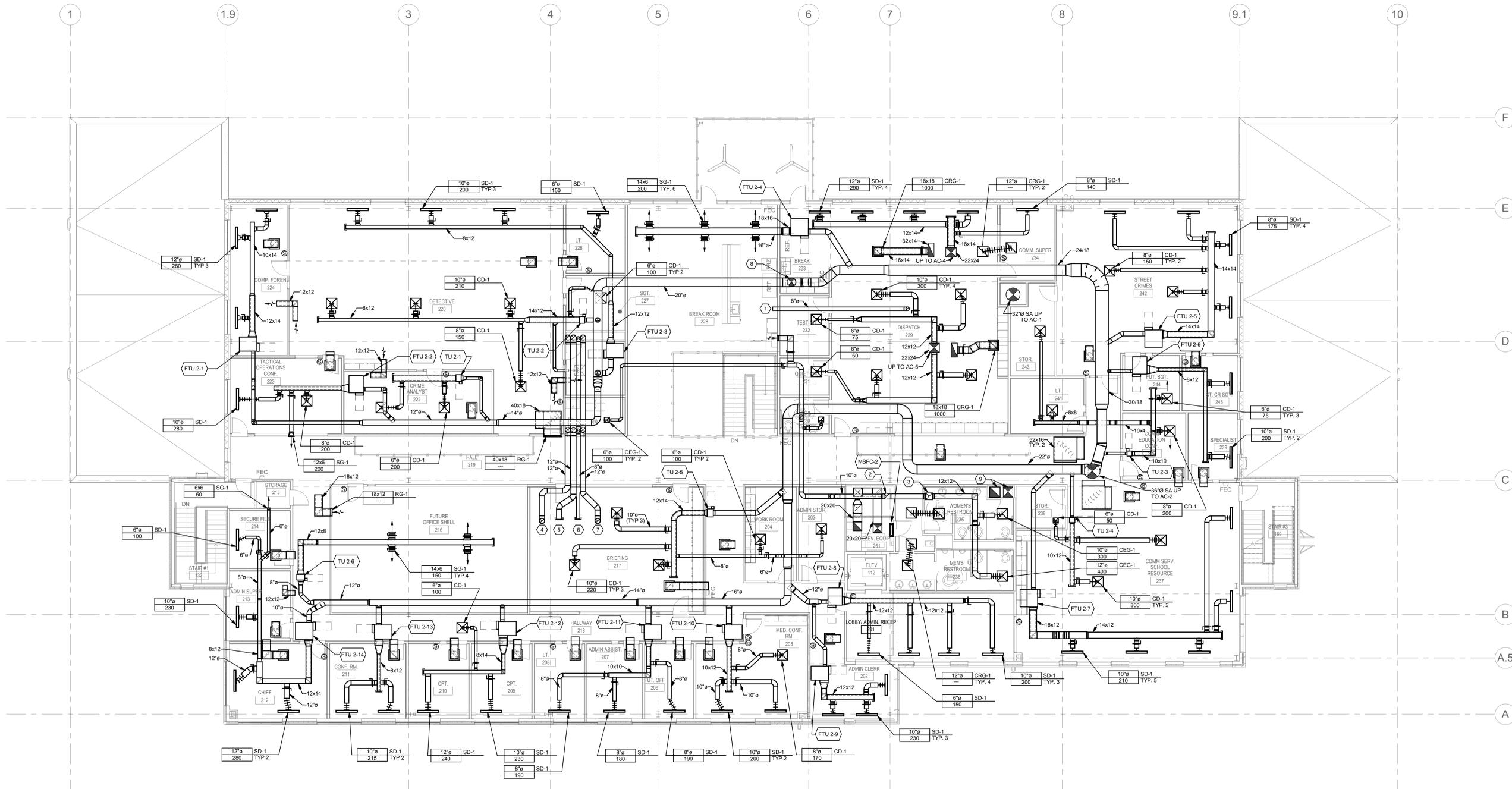
SHEET

**M2.2**

JOB NO. 2140284.02

**SHEET KEYNOTES**

- 8"Ø EXHAUST CONNECTED TO KITCHEN RANGE HOOD. ROUTE EXHAUST TO ROOFTOP VENT CAP.
- 12x12 EXHAUST AIR DOWN.
- 16x16 EXHAUST AIR UP TO EF-10
- 12"Ø EXHAUST AIR UP TO EF-9
- 12"Ø EXHAUST AIR UP CAPPED BELOW ROOF FOR FUTURE CONNECTION TO EXHAUST FAN.
- 8"Ø EXHAUST AIR UP CAPPED BELOW ROOF FOR FUTURE CONNECTION TO EXHAUST FAN.
- 12"Ø EXHAUST AIR UP TO EF-11
- 20"Ø SA UP TO ROUTE OVER BREAK ROOM
- 24"x24" SA AND EA UP TO AC-3



**1 SECOND FLOOR PLAN - MECHANICAL**

0' 4' 8' 16'  
1/8" = 1'-0"

PROJECT 2015-0047  
CONTACT Andrew Craig

**INTERFACE ENGINEERING**

100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
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○ SHEET KEYNOTES

1 PROVIDE 8"Ø ROOF VENT FOR KITCHEN HOOD EXHAUST OUTLET



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SW ALBANY, OR, 97321

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**ROOF PLAN - MECHANICAL**

DRAWN BY: Author

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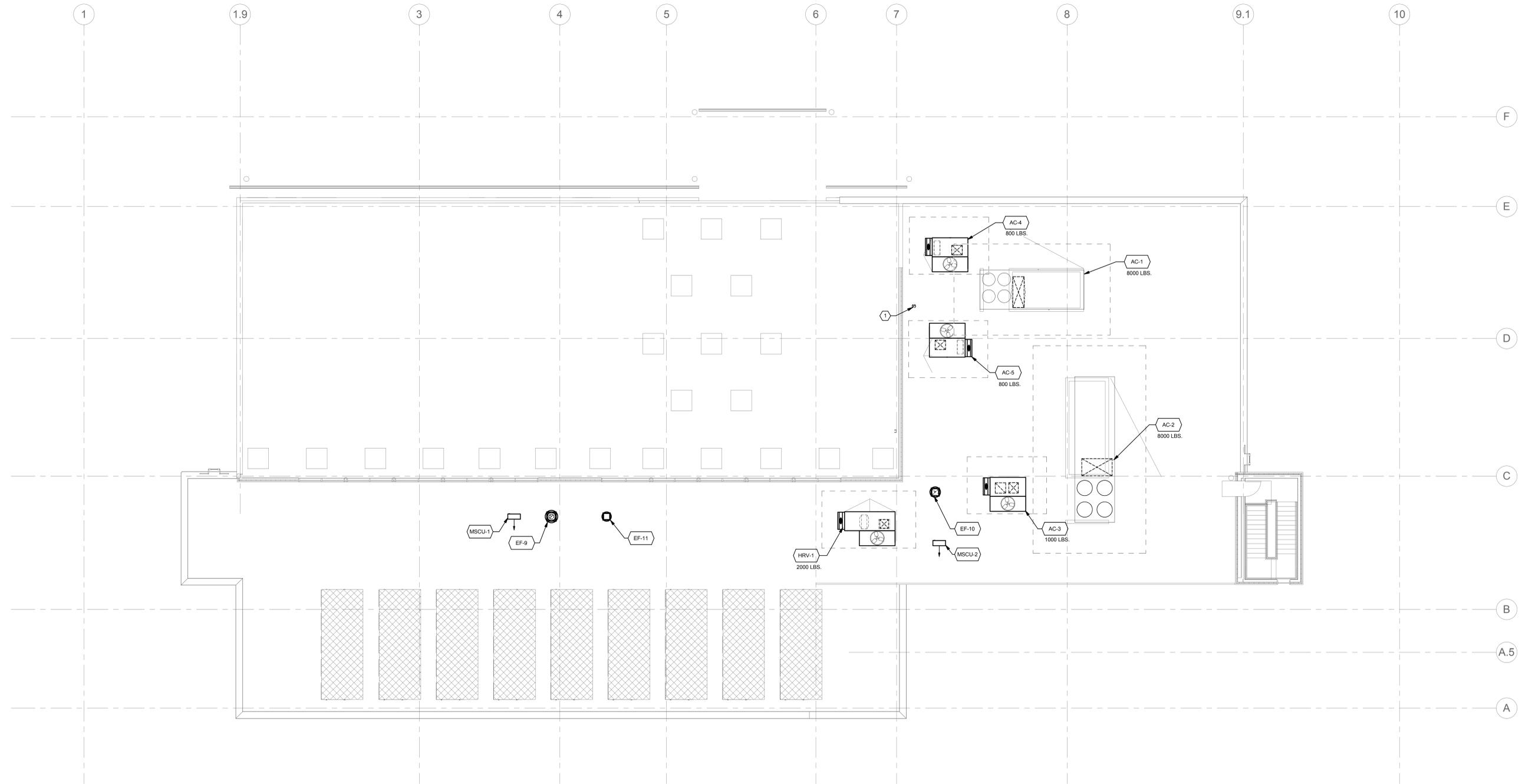
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**M2.3**

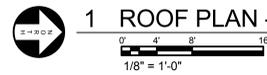
JOB NO. 2140284.02

**90% CONSTRUCTION DOCUMENT SET: 01/08/16**

C:\Users\anorews\Documents\04-Albany\Police-ME2\M2.3\_andrews.rvt 1/7/2016 4:42:36 PM 1/8" = 1'-0"



1 ROOF PLAN - MECHANICAL



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**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
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JOB NO. 2140284.02

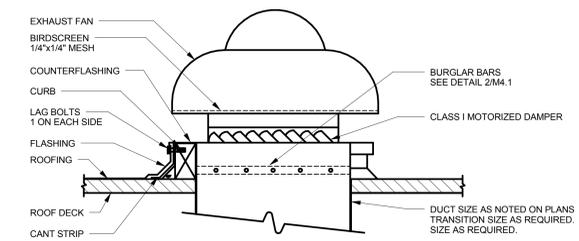


Revision Schedule	
Revision Delta	Issue Date

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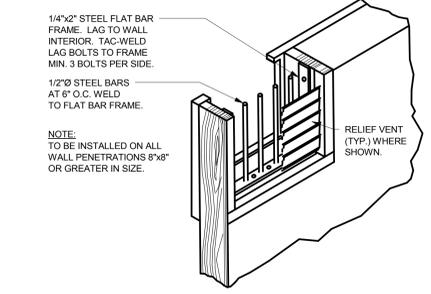
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**1 ROOF EXHAUST FAN**

NO SCALE

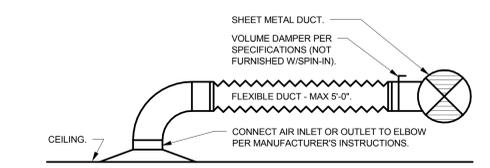
NOTE:  
COORDINATE SIZE AND LOCATION OF ROOF PENETRATION WITH GENERAL CONTRACTOR.  
COORDINATE ALL ROOFING AND CURB INSTALLATION WITH GENERAL CONTRACTOR.



**2 BURGLAR BARS IN WALL PENETRATIONS**

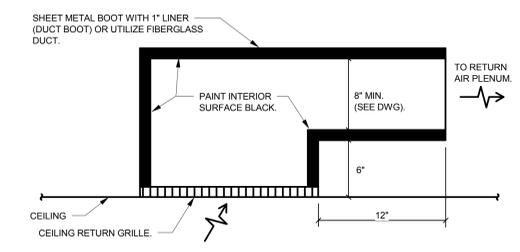
NO SCALE

NOTE:  
TO BE INSTALLED ON ALL  
WALL PENETRATIONS 8"x8"  
OR GREATER IN SIZE.



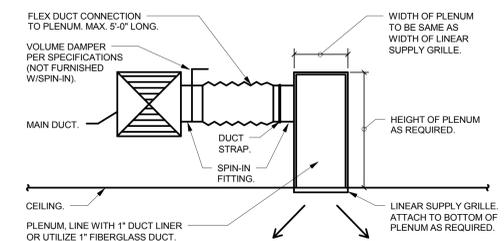
**3 AIR INLET OR OUTLET ROUND NECK**

NO SCALE



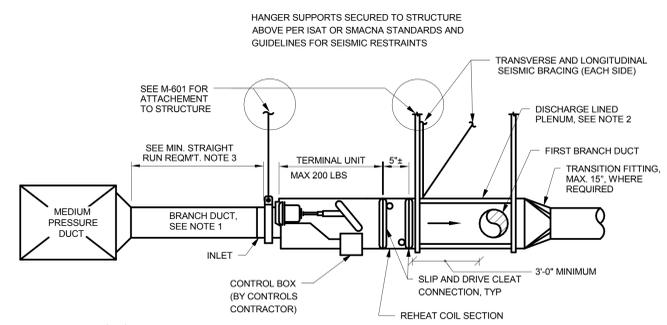
**4 CEILING RETURN ACOUSTIC BOOT**

NO SCALE



**5 LINEAR SUPPLY GRILLE**

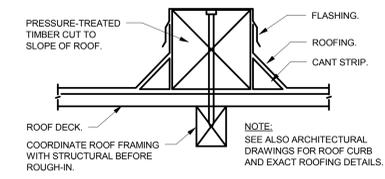
NO SCALE



- NOTES:
- BRANCH DUCT SIZE TO MATCH UNIT INLET CONNECTION. FOR BRANCH DUCTS OVER FIVE FEET IN LENGTH, INCREASE BRANCH DUCT ONE SIZE AND PROVIDE TRANSITION IMMEDIATELY UPSTREAM OF MINIMUM STRAIGHT DUCT RUN.
  - MINIMUM 5'-0" LONG LINED PLENUM EQUAL TO TERMINAL BOX OUTLET SIZE.
  - MINIMUM STRAIGHT DUCT RUN:
- | DUCT DIA (IN) | MIN STRAIGHT RUN (IN) |
|---------------|-----------------------|
| 6             | 24                    |
| 8             | 32                    |
| 10            | 40                    |
| 12            | 48                    |
| 14-16         | 60                    |
- FIRST BRANCH DUCT DOWNSTREAM OF TERMINAL MUST BE A MINIMUM OF 3 FEET DOWNSTREAM OF TERMINAL UNIT.

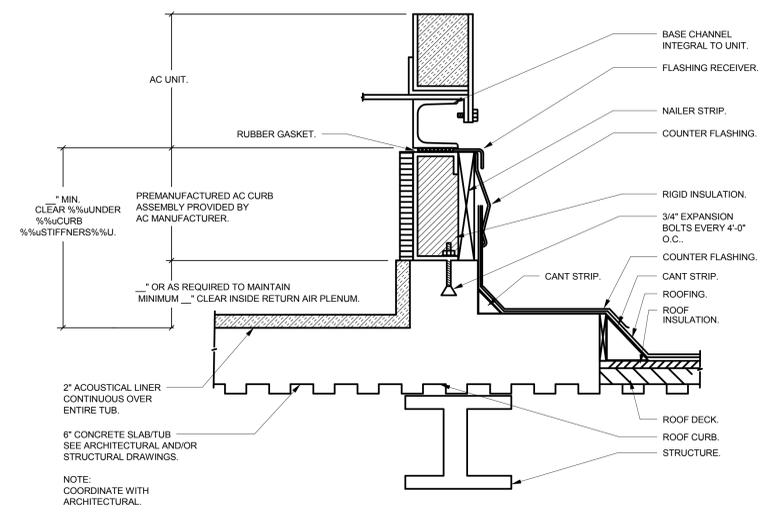
**6 TERMINAL UNIT INSTALLATION DETAIL**

NO SCALE



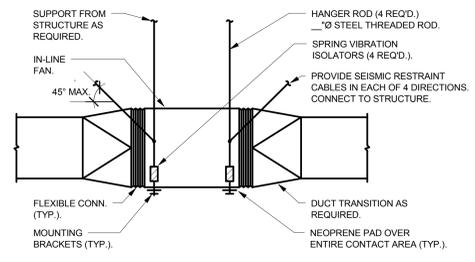
**7 CONDENSING UNIT CURB**

NO SCALE



**8 AC UNIT CURB**

NO SCALE



**9 IN-LINE FAN**

NO SCALE

# PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

## Abbreviations

(A)	ABANDON IN PLACE
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
&	AND
A	AQUASTAT, ARCHITECT, ANCHOR, AMPHERE
@	AT
BFP	BACKFLOW PREVENTER
BFF	BELOW FINISHED FLOOR
BTUH	BRITISH THERMAL UNITS PER HOUR
BLDG	BUILDING
CV	CHECK VALVE
CO	CLEANOUT
CW	COLD WATER
CD	CONDENSATE DRAIN
CONT.	CONTINUATION
CFH	CUBIC FEET PER HOUR
CFS	CUBIC FEET PER SECOND
(X)	DEMOLISH
DW	DISHWASHER, DOMESTIC WATER
DET	DOMESTIC EXPANSION TANK
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
D	DRAIN
DFU	DRAINAGE FIXTURE UNIT
DFV	DRAINAGE, WASTE AND VENT
DF	DRINKING FOUNTAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
(E)	EXISTING
FT	FEET
FFE	FINISHED FLOOR ELEVATION
F	FIRE, FAHRENHEIT
FL	FLOOR
FO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FV	FLUSH VALVE
'	FOOT, FEET
(F)	FUTURE
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
HB	HOSE BIBB
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN
IN, "	INCHES
IW	INDIRECT WASTE
INV	INVERT ELEVATION
L	LAVATORY
MIN	MINIMUM
MX	MIXING VALVE
MS	MOP SINK
(N)	NEW
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
#	NUMBER
NO.	NUMBER
OD	OVERFLOW DRAIN, OUTSIDE DIAMETER
OFI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFI	OWNER FURNISHED, OWNER INSTALLED
PLBG	PLUMBING
P	PLUMBING, PUMP
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PD	PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE
PRV	PRESSURE REDUCING VALVE
QTY	QUANTITY
RWL	RAINWATER LEADER
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
(R)	RELOCATE / RELOCATED LOCATION
RD	ROOF DRAIN
SAN	SANITARY
SB	SERVICE BOX
SHT	SHEET
SA	SHOCK ARRESTOR
SOV	SHUT OFF VALVE
S, SK	SINK
SF	SQUARE FEET
SD	STORM DRAIN
SP	SUMP PUMP, STATIC PRESSURE
TEMP	TEMPERATURE
TP	TRAP PRIMER, TOTAL PRESSURE
TYP	TYPICAL
U, UR	URINAL
V	VACUUM, VENT, VOLT
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
W	WASTE
WC	WATER COLUMN, WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WH	WATER HEATER, WALL HYDRANT
WSFU	WATER SUPPLY FIXTURE UNIT
W	WITH

## General

	CONTINUATION
	EQUIPMENT IDENTIFICATION
	FIXTURE TAG (LEVEL BELOW FIXTURE)
	KEYED NOTE
	POINT OF CONNECTION
	DEMOLISH
	EXISTING WORK
	NEW WORK
	PIPE OR CONDUIT BELOW GRADE

## Piping Fittings

	ACCESS PANEL
	AQUASTAT
	BLIND FLANGE
	CAP
	CLEANOUT TO GRADE
	CONCENTRIC REDUCER
	DOWNSPOUT NOZZLE
	ECCENTRIC REDUCER
	FLOOR CLEANOUT
	FLOOR DRAIN
	FLOOR SINK
	FLOW DIRECTION
	HOSE BIBB / WALL HYDRANT
	OVERFLOW ROOF DRAIN
	PIPE DROP
	PIPE RISE
	PUMP
	ROOF DRAIN
	SHOCK ABSORBER / WATER HAMMER ARRESTOR
	STRAINER
	T&P RELIEF VALVE WITH PIPE TO DRAIN
	TEE DOWN ON PIPE
	TEE UP ON PIPE
	VENT THROUGH ROOF
	WALL CLEANOUT

## Piping Systems

	COLD WATER PIPING
	CONDENSATE / INDIRECT DRAIN PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	NATURAL GAS PIPING, 2 LB
	NATURAL GAS PIPING, 7" WC PRESSURE
	OVERFLOW DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
	SANITARY VENT PIPING
	SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR

	SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR
	SD STORM DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
	SD STORM DRAIN PIPING BELOW GRADE OR FINISHED FLOOR
	TP TRAP PRIMER PIPING
	BFP BACKFLOW PREVENTER
	CV CHECK VALVE
	SOV SHUTOFF VALVE, GENERAL

## Valves

	BFP BACKFLOW PREVENTER
	CV CHECK VALVE
	SOV SHUTOFF VALVE, GENERAL

## GENERAL PLUMBING NOTES



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SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
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Revision Schedule	
Revision Delta	Issue Date

## SHEET INDEX

P0.1	PLUMBING SYMBOLS LISTS, GENERAL NOTES AND SHEET INDEX
P0.2	SCHEDULES - PLUMBING
P2.0	UNDERFLOOR PLAN - PLUMBING
P2.1	FIRST FLOOR PLAN - PLUMBING
P2.2	SECOND FLOOR PLAN - PLUMBING
P3.1	ENLARGED PLANS - PLUMBING
P4.1	DETAILS - PLUMBING

SHEET TITLE:  
**PLUMBING SYMBOLS LISTS, GENERAL NOTES AND SHEET INDEX**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**P0.1**

JOB NO. 2140284.02

PROJECT 2015-0047  
CONTACT Dennis Kangas  
**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1000  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2262  
www.interfaceengineering.com

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Revision Schedule table with columns: Revision Delta, Issue Date

SHEET TITLE:  
**SCHEDULES - PLUMBING**

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**P0.2**

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**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2286  
FAX 503.382.2282  
www.interfaceengineering.com

### PLUMBING FIXTURE SCHEDULE

Table with columns: SYMBOL, FIXTURE TYPE, DESCRIPTION, MFR, MODEL, ACCESSORIES, W, V, CW, HW, NOTES. Rows include DW-1 DOG WASH, EEW-1 EMERGENCY EYE WASH, ESH-1 EMERGENCY SHOWER, etc.

### PUMP SCHEDULE

Table with columns: SYMBOL, EQUIPMENT TYPE, LOCATION / SERVING, MFR, MODEL, FLOW RATE (GPM), HEAD (FT H2O), RPM, VOLTS, PH, AMPS, WATTS, HP, COMMENTS. Rows include CP-1A and CP-1B CIRCULATION PUMPS.

### WATER HEATER SCHEDULE

Table with columns: SYMBOL, EQUIPMENT TYPE, LOCATION / SERVING, MFR, MODEL, TANK CAPACITY (GALLONS), GAS DATA INPUT (MBH), VOLTS, PH, AMPS, KW, COMMENTS. Rows include GWH-1A and GWH-1B GAS WATER HEATERS.

### MISCELLANEOUS EQUIPMENT SCHEDULE

Table with columns: SYMBOL, EQUIPMENT TYPE, LOCATION / SERVING, MFR, MODEL, CAPACITY, GAS DATA INPUT (MBH), VOLTS, PH, AMPS, WATTS, HP, COMMENTS. Rows include GD-1 GARBAGE DISPOSAL, AC-1 AIR COMPRESSOR, AD-1 AIR DRYER, PD-1 POSI-DRAIN.

### PLUMBING DEVICES SCHEDULE

Table with columns: SYMBOL, FIXTURE TYPE, DESCRIPTION, MFR, MODEL, ACCESSORIES, W, V, CW, HW, NOTES. Rows include CDT-1 CONDENSATE NEUTRALIZING TUBE, DET-1 DOMESTIC WATER EXPANSION TANK, EMV-1 EMERGENCY MIXING VALVE, etc.



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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**UNDERFLOOR PLAN - PLUMBING**

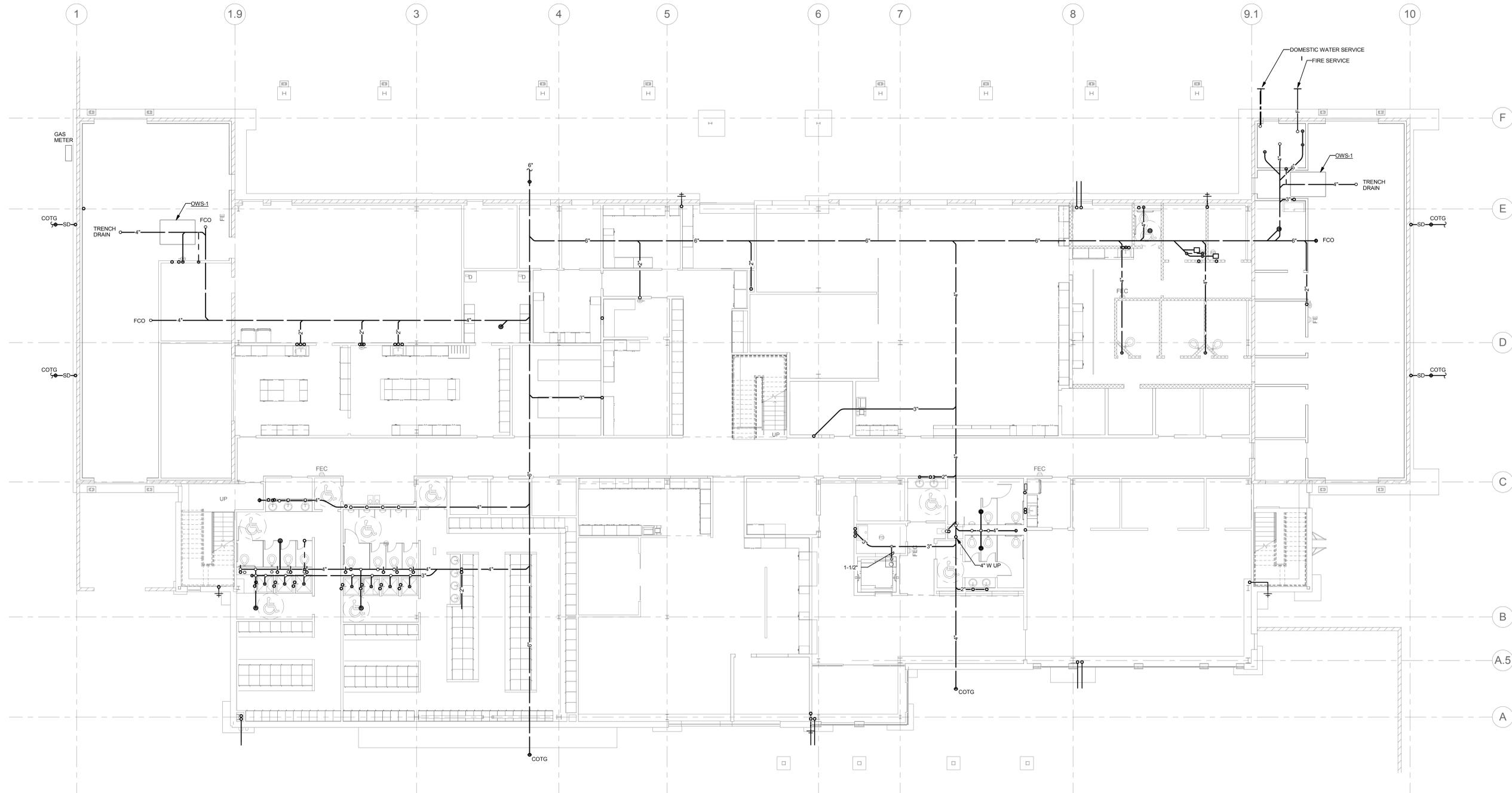
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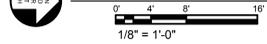
SHEET

**P2.0**

JOB NO. 2140284.02



**1 UNDERFLOOR PLAN - PLUMBING**

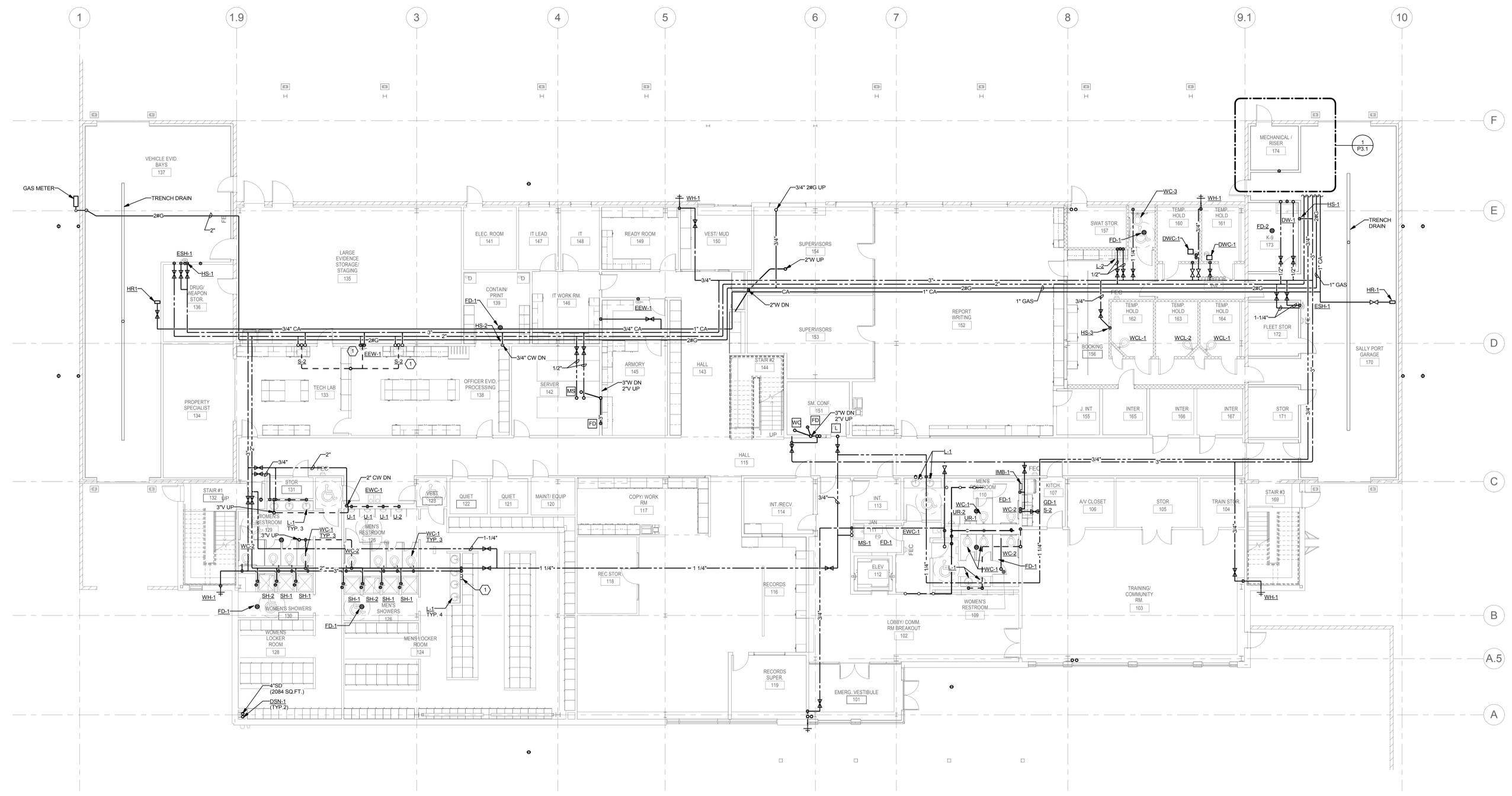


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CONTACT Dennis Kangas

**INTERFACE ENGINEERING**

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Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2262  
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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**FIRST FLOOR PLAN - PLUMBING**

**1 FIRST FLOOR PLAN - PLUMBING**  
1/8" = 1'-0"

DRAWN BY: ZG  
CHECKED BY: DK  
SHEET

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CONTACT Dennis Kangas  
**INTERFACE ENGINEERING**  
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Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2262  
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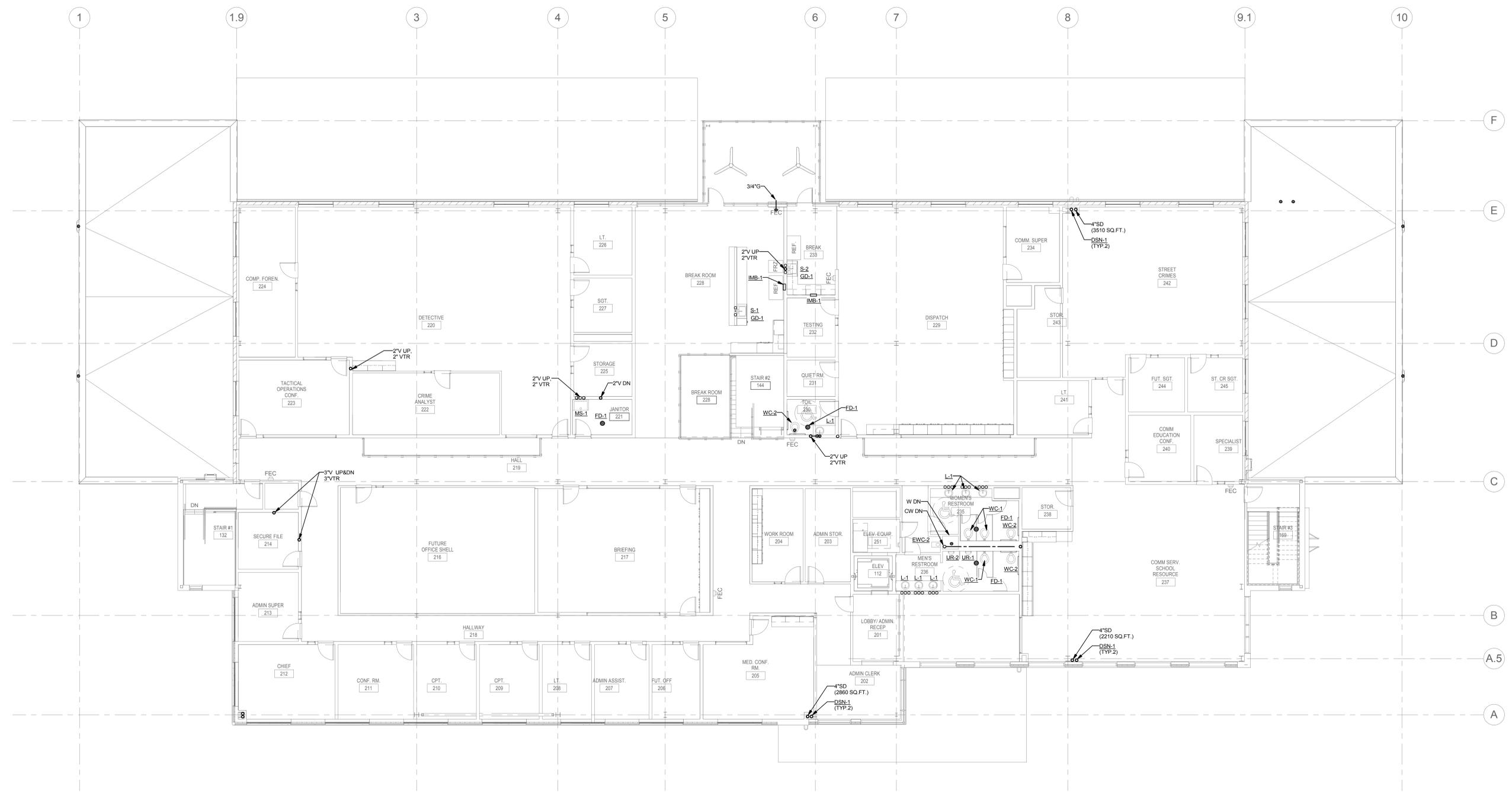
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**P2.1**

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Revision Schedule	
Revision Delta	Issue Date



**1 SECOND FLOOR PLAN - PLUMBING**  
1/8" = 1'-0"

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**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
FAX: 503.382.2262  
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SW ALBANY, OR, 97321

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SHEET TITLE:  
**ROOF PLAN -  
PLUMBING**

DRAWN BY: Author

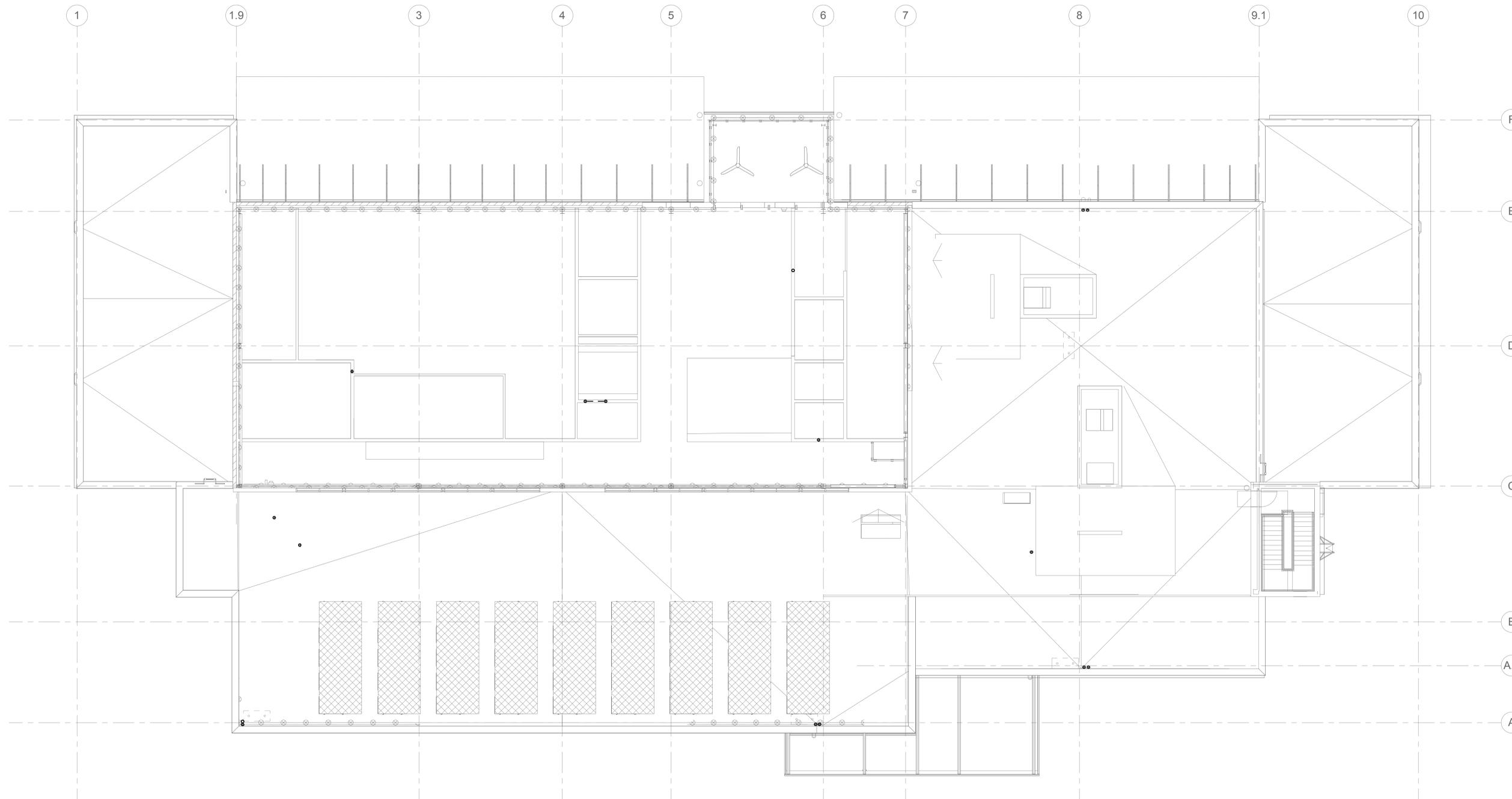
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**P2.3**

JOB NO. 2140284.02



**1 ROOF PLAN - PLUMBING**

0' 4' 8' 16'  
1/8" = 1'-0"

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Portland, OR 97204  
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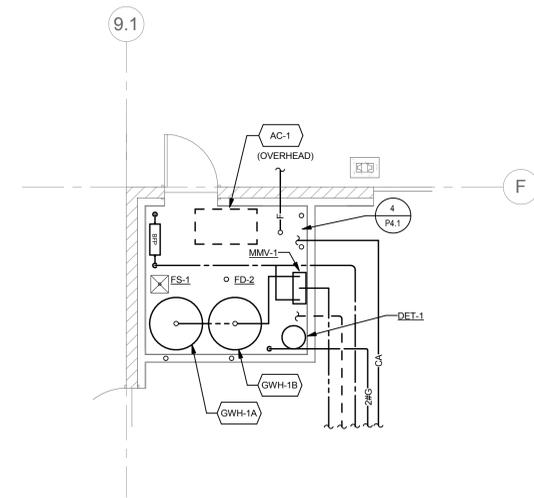
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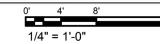
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**1 ENLARGED MECHANICAL ROOM**



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Revision Delta	Issue Date

SHEET TITLE:  
**ENLARGED  
PLANS -  
PLUMBING**

DRAWN BY: Author

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**P3.1**

JOB NO. **2140284.02**

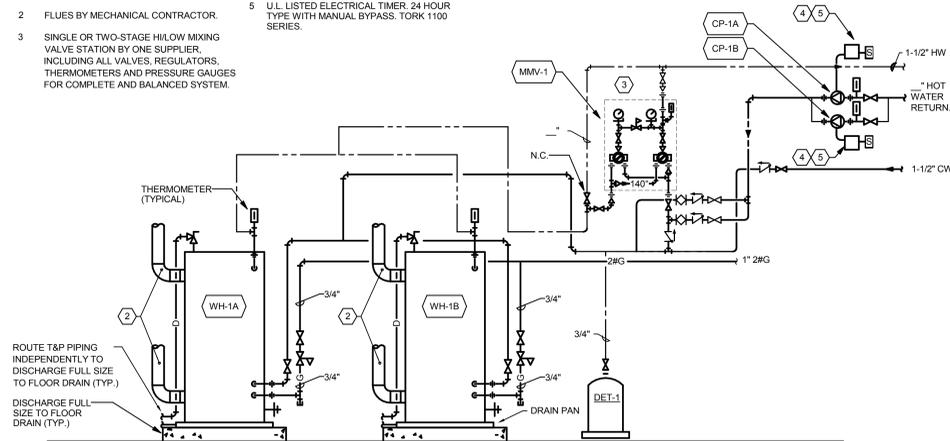
PROJECT 2015-0047  
CONTACT Dennis Kangas  
 **INTERFACE  
ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2262  
www.interfaceengineering.com

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### DETAIL KEYNOTES

- PRECHARGE W/ AIR TO MATCH CW SYSTEM PRESSURE PRIOR TO INSTALLATION.
- FLUES BY MECHANICAL CONTRACTOR.
- SINGLE OR TWO-STAGE HI/LOW MIXING VALVE STATION BY ONE SUPPLIER. INCLUDING ALL VALVES, REGULATORS, THERMOMETERS AND PRESSURE GAUGES FOR COMPLETE AND BALANCED SYSTEM.
- PROVIDE TIMER, WIRING, CONDUIT, & SWITCH. COORDINATE ELECTRICAL POWER TO COMPONENTS WITH ELECTRICAL CONTRACTOR.
- U.L. LISTED ELECTRICAL TIMER, 24 HOUR TYPE WITH MANUAL BYPASS, TORK 1100 SERIES.

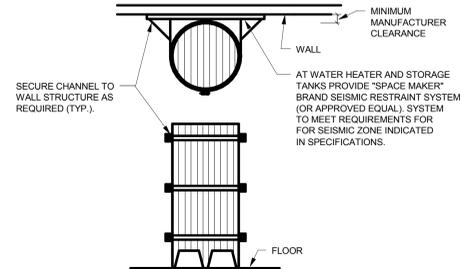


### 1 GAS WATER HEATER

NO SCALE

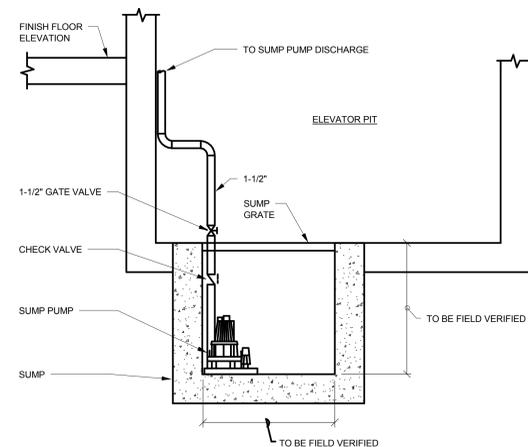
SIZE	TANK HGT ABOVE FLOOR	NO. OF STRAPS	LOCATION
66 GAL OR LESS	12" OR LESS	1	BETWEEN TOP 1/3 AND 1/2 OF TANK
66 GAL OR LESS	MORE THAN 12"	2	TOP-IN TOP 1/3 OF TANK BOTTOM-3" ABOVE OR BELOW ACCESS PANEL
66 GAL OR 100	12" OR LESS	2	TOP-IN TOP 1/3 OF TANK BOTTOM-3" ABOVE OR BELOW ACCESS PANEL
66 GAL OR 100	MORE THAN 12"	3	TOP-IN TOP 1/3 OF TANK BOTTOM-3" ABOVE OR BELOW ACCESS PANEL MIDDLE-CENTER OF TANK

NOTE: MAINTAIN CLEARANCES TO COMBUSTIBLES AS REQUIRED BY MANUFACTURER. UTILIZE NON COMBUSTIBLE MATERIAL AS SPACER.



### 2 EARTHQUAKE BRACING (WATER HEATERS AND STORAGE TANKS)

NO SCALE

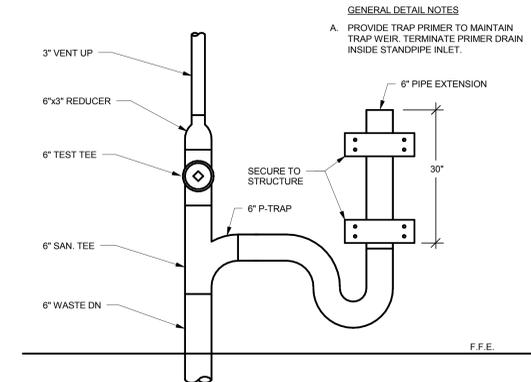


### 3 ELEVATOR PIT SUMP PUMP

NO SCALE

### 4 STANDPIPE

NO SCALE



GENERAL DETAIL NOTES  
A. PROVIDE TRAP PRIMER TO MAINTAIN TRAP WEIR. TERMINATE PRIMER DRAIN INSIDE STANDPIPE INLET.

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Revision Delta	Issue Date

SHEET TITLE:  
**DETAILS - PLUMBING**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**P4.1**

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PROJECT 2015-0047  
CONTACT Dennis Kangas  
**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2262  
www.interfaceengineering.com

CoA  
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# ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

## Abbreviations

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ARF	ABOVE RAISED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
A	AMPERES, AMBER
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
BAS	BUILDING AUTOMATION SYSTEM
CA	CABLE
CAT	CATEGORY
CLG	CEILING
C	CONDUIT, CLOSE, CONTROL
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
COFOI	CONTRACTOR FURNISHED OWNER INSTALLED
COORD	COORDINATE
CU	COPPER
dB	DECIBEL
DTL	DETAIL
DIA	DIAMETER
DM	DIMENSION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
ENT	ELECTRICAL NON-METALLIC TUBING
ESD	ELECTROSTATIC DISCHARGE
EL	ELEVATION
FMS	FACILITY MANAGEMENT SYSTEMS
FF	FINISH FLOOR
FT	FOOT, FEET
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GI	GROUND INTERRUPTER
GFP	GROUND FAULT PROTECTION
GE	GROUNDING EQUALIZER
HH	HANDHOLE
HT	HEIGHT
HC	HORIZONTAL CROSS CONNECT
ID	IDENTIFICATION
IN	INCH, INCHES
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LV	LOW VOLTAGE
MOC	MAXIMUM OVERCURRENT PROTECTION
MHz	MEGAHERTZ
MCA	MINIMUM CIRCUIT AMPS
MISC	MISCELLANEOUS
MT, MTD	MOUNT, MOUNTED
MDU	MULTI-DWELLING UNIT
NEC	NATIONAL ELECTRIC CODE
NEISC	NATIONAL ELECTRIC SAFETY CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OC	ON CENTER
OSP	OUTSIDE PLANT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PH	PHASE
QTY	QUANTITY
RFI	REQUEST FOR INFORMATION
REQD	REQUIRED
RM	ROOM
SHT	SHEET
SPKR	SPEAKER
STD	STANDARD
SPD	SURGE PROTECTION DEVICE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TTB	TELEPHONE TERMINAL BOARD
TBD	TO BE DETERMINED
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TP	TRANSITION POINT
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
VRFY	VERIFY
V	VOLTS, VOLTAGE
WP	WEATHERPROOF
W/	WITH
W/O	WITHOUT
WAO	WORK AREA OUTLET

## Connections / Equipment

	COMBINATION ADJUSTABLE FREQUENCY DRIVE WITH SAFETY DISCONNECT SWITCH
	HEAVY DUTY FUSED DISCONNECT SWITCH
	JUNCTION BOX
	MOTOR CONNECTION
	NON-FUSED DISCONNECT SWITCH
	TRANSFORMER
	WALL-MOUNTED JUNCTION BOX
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	NOTIFICATION APPLIANCE CIRCUIT PANEL
	BEAM TYPE SMOKE DETECTOR (BT = TRANSMITTER, BR = RECEIVER/REFLECTOR)
	PULL STATION
	SMOKE DETECTOR
	SMOKE DETECTOR, DUCT MOUNTED
	SPRINKLER FLOW SWITCH WITH INPUT MODULE
	SPRINKLER POST INDICATOR VALVE CONNECTION WITH INPUT MODULE
	SPRINKLER PRESSURE SWITCH WITH INPUT MODULE
	SPRINKLER TAMPER SWITCH WITH INPUT MODULE
	HEAT DETECTOR
	HORN/STROBE COMBINATION (# INDICATES MINIMUM CANDELA RATING)
	STROBE, CEILING MOUNTED (# INDICATES MINIMUM CANDELA RATING)
	STROBE, WALL MOUNTED (# INDICATES MINIMUM CANDELA RATING)

## General

	DETAIL NUMBER AND SHEET LOCATION
	EQUIPMENT IDENTIFICATION
	KEYED NOTE
	POINT OF CONNECTION
	SECTION NUMBER AND SHEET LOCATION

## Lighting

	EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	RECESSED 1' X 4' LUMINAIRE
	RECESSED 1' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	RECESSED 2' X 2' LUMINAIRE
	RECESSED 2' X 2' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	RECESSED 2' X 4' LUMINAIRE
	RECESSED 2' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	RECESSED 6' X 4' LUMINAIRE
	RECESSED LUMINAIRE
	RECESSED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE
	SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	SURFACE OR PENDANT MOUNTED 1' X 8' LUMINAIRE
	SURFACE OR PENDANT MOUNTED 6' X 8' LUMINAIRE
	SURFACE OR PENDANT MOUNTED LUMINAIRE
	SURFACE OR PENDANT MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	SURFACE OR PENDANT MOUNTED STRIPLIGHT
	WALL MOUNTED 6' WIDE LUMINAIRE

	WALL MOUNTED 6' WIDE LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	WALL MOUNTED LUMINAIRE
	WALL MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
	AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE

## Miscellaneous

	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	BRANCH PANEL
	FLUSH WALL MOUNTED BRANCH PANEL
	GROUNDING POINT
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL

## Raceways

	GROUNDING POINT
	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
	FLEXIBLE CONDUIT

## Switches and Receptacles

	FLUSH POKE-THRU WITH DUPLEX RECEPTACLE AND RACEWAY FOR SIGNAL CABLES
	DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER B = CLOCK HANGER C = FLUSH CEILING MOUNTED E = EMERGENCY F = ARC FAULT PROTECTED BY BREAKER IN PANEL G = GROUND FAULT CIRCUIT INTERRUPTER H = HOSPITAL GRADE K = CHILD RESISTANT COVER L = ISOLATED GROUND P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH R1 = HALF SWITCHED BY OCCUPANCY SENSOR RELAY R2 = FULLY SWITCHED BY OCCUPANCY SENSOR RELAY S = SPLIT WIRED T = TAMPER RESISTANT SHUTTERED RECEPTACLE W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
	DUPLEX RECEPTACLE, FLUSH FLOOR
	DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	EQUIPMENT ELECTRICAL CONNECTION
	SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
	PENDANT RECEPTACLE WITH CORD GRIPS. VERIFY PENDANT LENGTH. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
	CEILING MOUNTED OCCUPANCY SENSOR P = PASSIVE INFRARED D = DUAL TECHNOLOGY U = ULTRASONIC, 360 DEG RANGE H = ULTRASONIC, HALLWAY PATTERNS V (LOWERCASE) = VACANCY CONTROL DESIGNATION
	WALL MOUNTED OCCUPANCY SENSOR P = PASSIVE INFRARED D = DUAL TECHNOLOGY V (LOWERCASE) = VACANCY CONTROL DESIGNATION
	WALL MOUNTED OCCUPANCY SENSOR/SWITCH S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCHES D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF. V (LOWERCASE) = VACANCY CONTROL DESIGNATION
	MULTIPLE CHANNEL SURFACE METAL RECEPTACLE RACEWAY WITH LOW VOLTAGE DIVIDERS. LENGTH AND RECEPTACLES AS INDICATED
	PHOTO ELECTRIC SWITCH D = CONTINUOUS DIMMING PHOTOCELL S = SWITCHED PHOTOCELL
	SINGLE POLE SWITCH 2 = DOUBLE POLE SWITCH 3 = THREE-WAY SWITCH 4 = FOUR-WAY SWITCH # THRU 2 (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION D = DIMMER K = FAN SPEED CONTROL S = SENTRY SWITCH L = LIGHTED HANDLE M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD P = SWITCH WITH PILOT LIGHT S = SENTRY SWITCH T = INTERVAL TIMER W = WEATHERPROOF SWITCH V = LOW VOLTAGE SWITCH ? = DESIGNER DEFINED SWITCH

# GENERAL ELECTRICAL NOTES

Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7979  
Seattle, WA  
206.749.9993  
www.mcknze.com

**MACKENZIE**  
DESIGN DRIVEN • CLIENT FOCUSED

**CITY OF ALBANY**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321



**ALBANY POLICE DEPARTMENT**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

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Revision Schedule	
Revision Delta	Issue Date

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E7.3	DETAILS - ELECTRICAL

## ELECTRICAL SYMBOLS LISTS, GENERAL NOTES AND SHEET INDEX

PROJECT 2015-0047  
CONTACT ?

100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2286  
FAX: 503.382.2282  
www.interfaceengineering.com

CoA  
STAMP AREA

**E0.1**

JOB NO. 2140284.02



Architecture - Interiors  
Planning - Engineering

Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
Seattle, WA  
206.749.9993  
www.mcknze.com

**MACKENZIE**  
DESIGN-BUILD - CLIENT FOCUSED

Client

**CITY OF ALBANY**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321



Project

**ALBANY POLICE DEPARTMENT**  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**LUMINAIRE SCHEDULE**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**E0.2**

JOB NO. **2140284.02**

### LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	HOUSING	LENS	LOUVER	REFLECTOR	DISTRIBUTION	MOUNTING	FINISH	IP RATING	BALLAST	LAMP(S)	POLE	MANUFACTURERS	NOTES
A1	RECESSED LENSED LED TROFFER	NOMINAL 2-FOOT BY 2-FOOT COLD ROLLED STEEL	RIBBED FROSTED ACRYLIC	NONE	WHITE		RECESSED	WHITE		DIMMING DRIVER	4400 LUMEN LED, 50W		CREE ZR SERIES, LITHONIA ALL, OR APPROVED EQUAL	FULL DIMMING
A2	RECESSED LENSED LED TROFFER	NOMINAL 2-FOOT BY 2-FOOT COLD ROLLED STEEL	VOLUMETRIC DIFFUSING ACRYLIC	NONE	WHITE		RECESSED	WHITE		DIMMING DRIVER	4400 LUMEN LED, 50W		LITHONIA ACL SERIES, OR APPROVED EQUAL	FULL DIMMING
A3	RECESSED LENSED LED TROFFER	NOMINAL 2-FOOT BY 4-FOOT COLD ROLLED STEEL	RIBBED FROSTED ACRYLIC	NONE	WHITE		RECESSED	WHITE		DIMMING DRIVER	4400 LUMEN LED, 50W		CREE ZR SERIES, LITHONIA ALL, OR APPROVED EQUAL	FULL DIMMING
A4	RECESSED LENSED LED TROFFER	NOMINAL 2-FOOT BY 4-FOOT COLD ROLLED STEEL	VOLUMETRIC DIFFUSING ACRYLIC	NONE	WHITE		RECESSED	WHITE		DIMMING DRIVER	4400 LUMEN LED, 50W		LITHONIA ACL SERIES, OR APPROVED EQUAL	FULL DIMMING
B1	8 FOOT PENDANT MOUNTED VOLUMETRIC LED	NOMINAL 2 INCH BY 8 INCH EXTRUDED ALUMINUM HOUSING	VOLUMETRIC DIFFUSING ACRYLIC		WHITE		SUSPENDED WITH AIRCRAFT CABLE AND WHITE CORD FEED	MATTE WHITE		DIMMING ELECTRONIC	4800 LUMEN LED, 37.5W		LEDALITE BOLDPLAY, PEERLESS, LITECONTROL, OR APPROVED	
B2	SAME AS TYPE 'B1' EXCEPT 12 FEET IN LENGTH												LEDALITE BOLDPLAY, PEERLESS, LITECONTROL, OR APPROVED	
C1	CHAIN HUNG LED STRIPLIGHT	4-FOOT COLD ROLLED STEEL CHANNEL						WHITE		ELECTRONIC	4000 LUMEN, 3500K		LITHONIA ZL1N SERIES, METALUX, DAYBRITE, COLUMBIA, LIGHTOLIER, HE WILLIAMS, OR APPROVED	CHAIN HANG OR WALL MOUNT AROUND OBSTACLES AS NEEDED
C2	LED INDUSTRIAL HIGH OUTPUT LED STRIP	NOMINAL 8-INCH WIDE BY 3-INCH HIGH BY 4-FOOT LONG DIE-FORMED STEEL WITH FULL DEPTH END PLATES	PRISMATIC ACRYLIC					WHITE		ELECTRONIC	6000 LUMEN, 3500K		LITHONIA ZL1F SERIES, METALUX, DAYBRITE, COLUMBIA, LIGHTOLIER, HE WILLIAMS, OR APPROVED	
C3	SURFACE MOUNTED LED VOLUMETRIC WRAPAROUND	NOMINAL 3-INCH WIDE BY 3-INCH HIGH BY 4-FOOT LONG DIE-FORMED STEEL WITH FULL DEPTH END PLATES	PRISMATIC ACRYLIC					WHITE		ELECTRONIC	4000 LUMEN, 3500K		LITHONIA STLED SERIES, METALUX, DAYBRITE, COLUMBIA, LIGHTOLIER, HE WILLIAMS, OR APPROVED	
C4	SURFACE MOUNTED UNDER CABINET	NOMINAL 5-INCH WIDE BY 1.25-INCH HIGH BY 4-FOOT LONG DIE-FORMED STEEL WITH SOLID FRONT	SHATTER-RESISTANT ACRYLIC				UNDERCABINET	WHITE		ELECTRONIC	LED, 4000K, GREATER THAN 80CRI, 36 WATTS		KENALL AUCLED, ALKCO LITTLE INCH SERIES, NULITE, LIGHTOLIER, METALUX OR APPROVED	NONE
D1	RECESSED SQUARE LED DOWNLIGHT	NOMINAL 4-INCH APERTURE BY 6.5-INCH HIGH STEEL	DIFFUSING LENS		MATTE CLEAR, SELF FLANGED					INTEGRAL ELECTRONIC DRIVER	NOMINAL 1400 LUMENS, 20 WATTS, 4100K, CRI GREATER THAN 80		GOTHAM ALED SERIES, PORTFOLIO, LIGHTOLIER, INDY, EDISON PRICE OR APPROVED	
D2	RECESSED SQUARE LED DOWNLIGHT	NOMINAL 4-INCH APERTURE BY 6.5-INCH HIGH STEEL	DIFFUSING LENS		MATTE CLEAR, SELF FLANGED					INTEGRAL DIMMABLE ELECTRONIC DRIVER	NOMINAL 1000 LUMENS, 20 WATTS, 4100K, CRI GREATER THAN 80		GOTHAM ALED SERIES, PORTFOLIO, LIGHTOLIER, INDY, EDISON PRICE OR APPROVED	
F1	WALL MOUNTED LINEAR FLUORESCENT	NOMINAL 3-INCH WIDE BY 3-INCH TALL LINEAR FLUORESCENT	FROSTED ACRYLIC	SEMI-SPECULAR	SPECULAR ALUMINUM	100% DOWN	WALL MOUNT, 1/2-INCH STANDOFF, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	MATTE WHITE		ELECTRONIC	4500 LUMEN PER 4 FOOT SECTION, 3500K		GAMMALUX G-BEAM SERIES, LITECONTROL OR APPROVED	
F2	PENDANT MOUNT LINEAR LED	NOMINAL 3-INCH WIDE BY 3-INCH TALL LINEAR FLUORESCENT	FROSTED ACRYLIC			100% DOWN	PENDANT SUSPENDED FROM AIRCRAFT CABLE	SILVER		INTEGRAL ELECTRONIC DRIVER	4500 LUMEN PER 4 FOOT SECTION, 3500K		EUREKA FLARE PENDANT OR APPROVED EQUAL	
F3	PENDANT MOUNT LINEAR LED	NOMINAL 2.5-INCH WIDE BY 8-INCH WIDE EXTRUDED ALUMINUM	FROSTED ACRYLIC	SEMI-SPECULAR	SPECULAR ALUMINUM	70/30% UP/DOWN	PENDANT SUSPENDED FROM AIRCRAFT CABLE	SILVER		ELECTRONIC	4500 LUMEN PER 4 FOOT SECTION, 3500K		LEDALITE CHOPSTIX OR APPROVED EQUAL	
G1	LED HIGH BAY FIXTURE	NOMINAL 1-FOOT BY 4-FOOT COLD ROLLED STEEL	VOLUMETRIC DIFFUSING ACRYLIC				PENDANT SUSPENDED FROM AIRCRAFT CABLE	SILVER		ELECTRONIC DIMMING	12000 LUMEN, 3500K		LITHONIA IBL SERIES OR APPROVED	
G2	SURFACE LED LENSED WRAPAROUND FOR SECURITY APPLICATIONS	NOMINAL 1-FOOT BY 4-FOOT COLD ROLLED STEEL	RIBBED PATTERN, 0.156-INCH THICK ACRYLIC LENS				SURFACE	WHITE		ELECTRONIC,	4000 LUMEN, 3500K		KENALL MILLENIUM STRETCH SERIES OR APPROVED	NONE
G3	RECESSED 2X4 VANDAL RESISTANT TROFFER	NOMINAL 2'x4' HOUSING	DIFFUSED DR ACRYLIC INSIDE, 250 POLYCARBONATE OUTSIDE				RECESSED	WHITE		ELECTRONIC	67 WATT, 3500K LED		KENALL SIMPSEAL, HASEDI SERIES, OUTH OR APPROVED	
G4	SURFACE MOUNT FLUORESCENT LENSED TROFFER FOR SECURITY APPLICATIONS	NOMINAL 1-FOOT BY 4-FOOT COLD ROLLED STEEL	#12 PATTERN, 0.125-INCH THICK ACRYLIC INNER, .250 CLEAR POLYCARBONATE OUTER				SURFACE MOUNT	WHITE		ELECTRONIC,	4000 LUMEN, 3500K		KENALL 3CD SERIES, LITHONIA, METALUX, DAYBRITE, COLUMBIA, LIGHTOLIER, HE WILLIAMS, OR APPROVED	NONE
H	WALL MOUNTED LINEAR FLUORESCENT	NOMINAL 4-INCH TALL BY 36-INCH	FROSTED ACRYLIC, SMOOTH EXTERIOR	SEMI-SPECULAR	WHITE		COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	NICKEL		ELECTRONIC	1400 LUMEN, 3500K		OXYGEN FUSE SERIES OR APPROVED	
J	WALL MOUNTED LED SPOT LIGHT	ALUMINUM				SPOT	WALL MOUNTED ON 18 ROUND STEM	ALUMINUM		INTEGRAL ELECTRONIC DRIVER	354 LUMEN LED, 4100K, 8 WATTS		BK LIGHTING EL CAPITAN SERIES OR APPROVED	
K	VERTICALLY MOUNTED LINEAR LED STRIP	NOMINAL 2'x2' HOUSING	FROSTED ACRYLIC		WHITE		SURFACE MOUNT	WHITE		ELECTRONIC DRIVER	3286 LUMEN LED, 4100K, 52 WATTS		PRUDENTIAL MINI SNAP OR APPROVED EQUAL	
L1	SURFACE MOUNTED LINEAR LED WET LOCATION	NOMINAL 3 INCH BY 3 INCH EXTRUDED ALUMINUM HOUSING	FROSTED ACRYLIC		WHITE		SURFACE MOUNT	SILVER	WET	ELECTRONIC DIMMING DRIVER	750 LUMENS PER FOOT, 4000K LED		PINNACLE EDGE, EX3 WET SERIES OR APPROVED	
L2	RECESSED LINEAR LED WET LOCATION	NOMINAL 3 INCH BY 3 INCH EXTRUDED ALUMINUM HOUSING	FROSTED ACRYLIC		WHITE		RECESSED	SILVER	WET	ELECTRONIC DIMMING DRIVER	750 LUMENS PER FOOT, 4000K LED		PINNACLE EDGE, EX3 WET SERIES OR APPROVED	
M1	IN USE LIGHT	8-INCH BY 11-INCH BY 2.5-INCH DEEP HOUSING	WHITE ACRYLIC WITH VINYL LETTERING TO SAY "IN USE"		WHITE		WALL	WHITE		ELECTRONIC DRIVER	LED		SIGNAL TECH SLIM-LINE LED SBLF11W-195R OR APPROVED	
M2	RED/GREEN INDICATOR BEACON LIGHT	3-INCH BY 3-INCH BY 2.5-INCH DEEP HOUSING					WALL	BLACK		ELECTRONIC DRIVER	LED		SIGNAL TECH SLIM-LINE LED OR APPROVED	
N1	CONTINUOUS LED SLOT FIXTURE	ALUMINUM HOUSING	ACRYLIC					WHITE		ELECTRONIC	LED, 3500K		MARK ARCHITECTURAL LIGHTING SLOT 2 LED SERIES OR APPROVED	
N2	SAME AS TYPE 'N1' EXCEPT HIGHER OUTPUT LED													
N3	SAME AS TYPE 'B1' EXCEPT 20 FEET IN LENGTH													
P	NOT USED													
R	CONTINUOUS BENDABLE SURFACE MOUNTED LED	ALUMINUM	PVC LENS	NONE			SURFACE MOUNTED	BLUE		ELECTRONIC DIMMING	LED, WARM WHITE COLOR		TIVOLI TIVOFLEX PLUS, WARM WHITE IN LENGTHS SHOWN ON DRAWINGS	PROVIDE COMPATABLE POWER SUPPLY, REMOTE MOUNT, INSTALL LIGHTS UNDER CONCRETE BENCH.
T1	SURFACE MOUNTED UNDER CABINET	NOMINAL 5-INCH WIDE BY 1.25-INCH HIGH BY 4-FOOT LONG DIE-FORMED STEEL WITH SOLID FRONT	SHATTER-RESISTANT ACRYLIC					WHITE		ELECTRONIC	LED, 4000K, GREATER THAN 80CRI, 36 WATTS		KENALL AUCLED, ALKCO LITTLE INCH SERIES, NULITE, LIGHTOLIER, METALUX OR APPROVED	NONE
SA1	NOT USED													
SA2	EXTERIOR ARCHITECTURAL FULL-CUTOFF LED SITE LUMINAIRE	NOMINAL 18-INCH WIDE BY 31.5" DEEP BY 6.5-INCH DIE-CAST ALUMINUM AND DIE-CAST DOOR FRAME	TEMPERED GLASS			TYPE 2	POLE MOUNTED	AS SELECTED BY ARCHITECT	WET	ELECTRONIC DIMMING	105W LED ARRAY, 4000K, 11000 LUMENS NOMINAL	20-FOOT HIGH, STRAIGHT STEEL ROUND POLE, POLE TO WITHSTAND 100 MILE PER HOUR WINDS WITH A GUST FACTOR OF 1.3.	GARDCO GULLWING GL18 SERIES, OR APPROVED	PROVIDE WITH HOUSESIDE SHIELD.
SA3	EXTERIOR ARCHITECTURAL FULL-CUTOFF LED SITE LUMINAIRE	NOMINAL 18-INCH WIDE BY 31.5" DEEP BY 6.5-INCH DIE-CAST ALUMINUM AND DIE-CAST DOOR FRAME	TEMPERED GLASS			TYPE 3	POLE MOUNTED	AS SELECTED BY ARCHITECT	WET	ELECTRONIC DIMMING	105W LED ARRAY, 4000K, 11000 LUMENS NOMINAL	20-FOOT HIGH, STRAIGHT STEEL ROUND POLE, POLE TO WITHSTAND 100 MILE PER HOUR WINDS WITH A GUST FACTOR OF 1.3.	GARDCO GULLWING GL18 SERIES, OR APPROVED	
SA4	EXTERIOR ARCHITECTURAL FULL-CUTOFF LED SITE LUMINAIRE	NOMINAL 18-INCH WIDE BY 31.5" DEEP BY 6.5-INCH DIE-CAST ALUMINUM AND DIE-CAST DOOR FRAME	TEMPERED GLASS			TYPE 4	POLE MOUNTED	AS SELECTED BY ARCHITECT	WET	ELECTRONIC DIMMING	105W LED ARRAY, 4000K, 11000 LUMENS NOMINAL	20-FOOT HIGH, STRAIGHT STEEL ROUND POLE, POLE TO WITHSTAND 100 MILE PER HOUR WINDS WITH A GUST FACTOR OF 1.3.	GARDCO GULLWING GL18 SERIES, OR APPROVED	
SA5	EXTERIOR ARCHITECTURAL FULL-CUTOFF LED SITE LUMINAIRE	NOMINAL 18-INCH WIDE BY 31.5" DEEP BY 6.5-INCH DIE-CAST ALUMINUM AND DIE-CAST DOOR FRAME	TEMPERED GLASS			TYPE 5	POLE MOUNTED	AS SELECTED BY ARCHITECT	WET	ELECTRONIC DIMMING	105W LED ARRAY, 4000K, 11000 LUMENS NOMINAL	20-FOOT HIGH, STRAIGHT STEEL ROUND POLE, POLE TO WITHSTAND 100 MILE PER HOUR WINDS WITH A GUST FACTOR OF 1.3.	GARDCO GULLWING GL18 SERIES, OR APPROVED	
SB	MEDIUM SCALE ADJUSTABLE EXTERIOR IN-GRADE UPLIGHT	NOMINAL 7.5-INCH DIAMETER BY 6-INCH COMPRESSION MOLDED COMPOSITE	CLEAR FLAT		MINIMUM ADJUSTABILITY OF 15 DEGREE TILT AND 360 DEGREE ROTATION	SPOT		AS SELECTED BY ARCHITECT	WET	PULSE START ELECTRONIC	12 WATT, 4000K LED		HADCO LED INGROUND MODULE L15 OR APPROVED	NONE
SC	WALL MOUNTED ARCHITECTURAL LED	12-3/8" HIGH BY 5-5/16" WID DIE CAST ALUMINUM	CLEAR FLAT				SURFACE MOUNT ON WALL, COORDINATE EXACT HEIGHT ARCHITECTURAL ELEVATIONS.	PER ARCHITECT.	WET	ELECTRONIC	LED		LIGMAN LIGHTING	
SD	WALL MOUNTED ARCHITECTURAL LED	12-3/8" HIGH BY 12" WID DIE CAST ALUMINUM	CLEAR FLAT				SURFACE MOUNT ON WALL, COORDINATE EXACT HEIGHT ARCHITECTURAL ELEVATIONS.	PER ARCHITECT.	WET	ELECTRONIC	LED		LIGMAN LIGHTING	
SE	GROUND MOUNTED ADJUSTABLE SIGN LIGHT	NOMINAL 72" X 6" ROUND	CLEAR FLAT										BIRCHWOOD LIGHTING	
X	UNIVERSAL MOUNTED THIN PROFILE EDGE LIT EXT SIGN	NOMINAL 14-INCH WIDE BY 8-INCH HIGH DIE-CAST ALUMINUM AND ACRYLIC HOUSING. CONTRACTORS TO VERIFY BACKBOX REQUIREMENTS DURING ROUGH-IN.					COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS	BRUSHED ALUMINUM			RED LED, NOMINAL 2 WATTS		EVENLITE SOVEREIGN SERIES, LIGHTOLIER, LITHONIA, SURELITES OR APPROVED	PROVIDE SELF DIAGNOSTIC, DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS

**NOTES:**

A. THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.

B. FLUORESCENT BALLASTS: UNIVERSAL VOLTAGE, PROGRAM START WITH END-OF-LIFE PROTECTIVE CIRCUITRY.

C. METAL HALIDE BALLASTS: PULSE START FOR LAMPS ABOVE 150 WATTS AND ELECTRONIC FOR LAMPS 150 WATTS AND BELOW, UNLESS OTHERWISE NOTED.

D. DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.

E. T8 LAMPS: NOMINAL 4 FOOT LAMPS TO HAVE INITIAL 3100 LUMENS, MINIMUM 36000 HOURS RATED LIFE ON 3 HOUR SWITCHING CYCLE AND 42000 HOURS ON 12 PROGRAMMED START BALLAST HOUR SWITCHING CYCLES WHEN USED WITH PROGRAMMED START BALLAST.

F. T5 LAMPS: NOMINAL 4 FOOT LAMPS TO BE RATED FOR 20000 HOURS ON 3 HOUR SWITCHING CYCLES.

G. T8HO LAMPS: NOMINAL 4 FOOT LAMPS TO BE RATED FOR 25000 HOURS ON 3 HOUR SWITCHING CYCLES AND 35000 HOURS ON 12 HOUR SWITCHING CYCLES.

H. FLUORESCENT LAMPS TO HAVE 4100K COLOR TEMPERATURE AND 85+ CRI FOR LINEAR LAMPS AND 82+ CRI FOR COMPACT FLUORESCENT LAMPS UNLESS OTHERWISE NOTED.

I. CERAMIC METAL HALIDE LAMPS: 80+ CRI WITH MAXIMUM +/- 150K COLOR SHIFT OVER LAMP LIFE.

J. PROVIDE +/- 12 INCH ADJUSTABILITY IN AIRCRAFT CABLE LENGTH WHERE USED.

K. COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.

L. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

M. PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND BALLAST INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

PROJECT 2015-0047  
CONTACT ?

**INTERFACE ENGINEERING**

100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2286  
FAX: 503.382.2282  
www.interfaceengineering.com

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**SHEET KEYNOTES**

- 1 PROVIDE POWER TO MEDIA CONVERTER IN LIGHT POLE BASE WITHIN CURVED LID J-BOX.
- 2 PROVIDE (2) 1" CONDUIT TO MDF FOR CCTV.
- 3 PROVIDE #10 CONDUIT FOR RECEPTACLE IN POLE BASE.



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360.695.7879  
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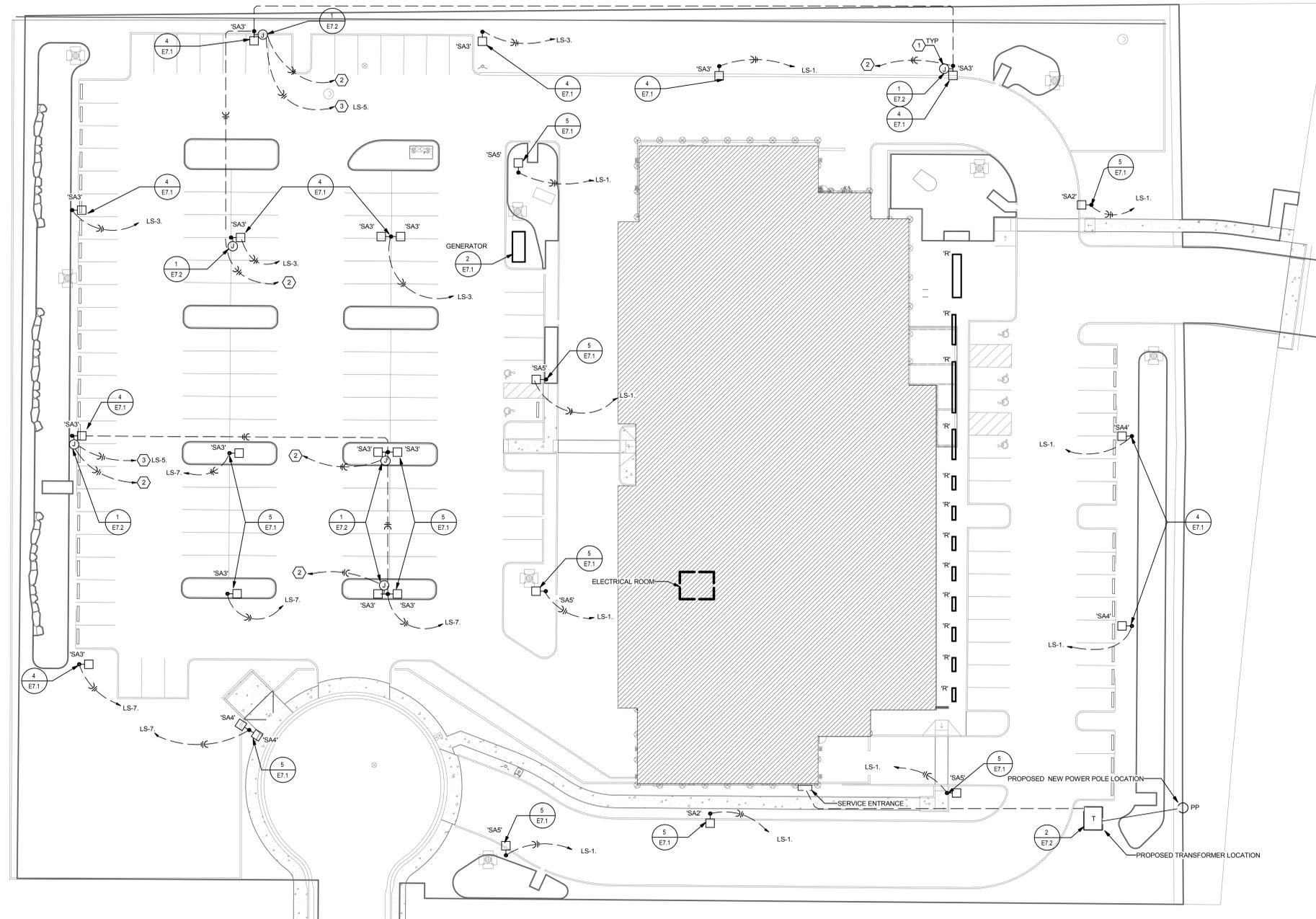
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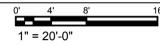


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333 BROADLBIN ST.  
SW ALBANY, OR, 97321

Mechanical/Electrical  
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708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204



**1 SITE PLAN - ELECTRICAL**



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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**SITE PLAN - ELECTRICAL**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**E1.1**

JOB NO. 2140284.02

PROJECT 2015-0047  
CONTACT ?  
**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
FAX: 503.382.2262  
www.interfaceengineering.com

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SHEET KEYNOTES

GENERAL SHEET NOTES

- PROVIDE PHOTOEYE SENSORS MOUNTED 18" FROM GROUND. A BREAK IN PHOTOEYE CONTINUITY AT EITHER NORTH OR SOUTH ENTRANCE OF SALLYPORT TO BE WIRED TO TRIGGER OCCUPANCY LIGHT M2 ON EAST WALL OF SALLYPORT.
- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 5.
- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 6.
- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 7.
- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 8.
- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 9.
- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 10.
- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 11.

- LIGHTING IN THIS AREA CONTROLLED BY LIGHTING CONTROL PANEL, RELAY 12.
- CIRCUIT LIGHTING IN THIS AREA TO PANEL 'SB1B'.

**M.**  
 Architecture - Interiors  
 Planning - Engineering

Portland, OR  
 503.224.9560  
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Revision	Issue Date
Delta	

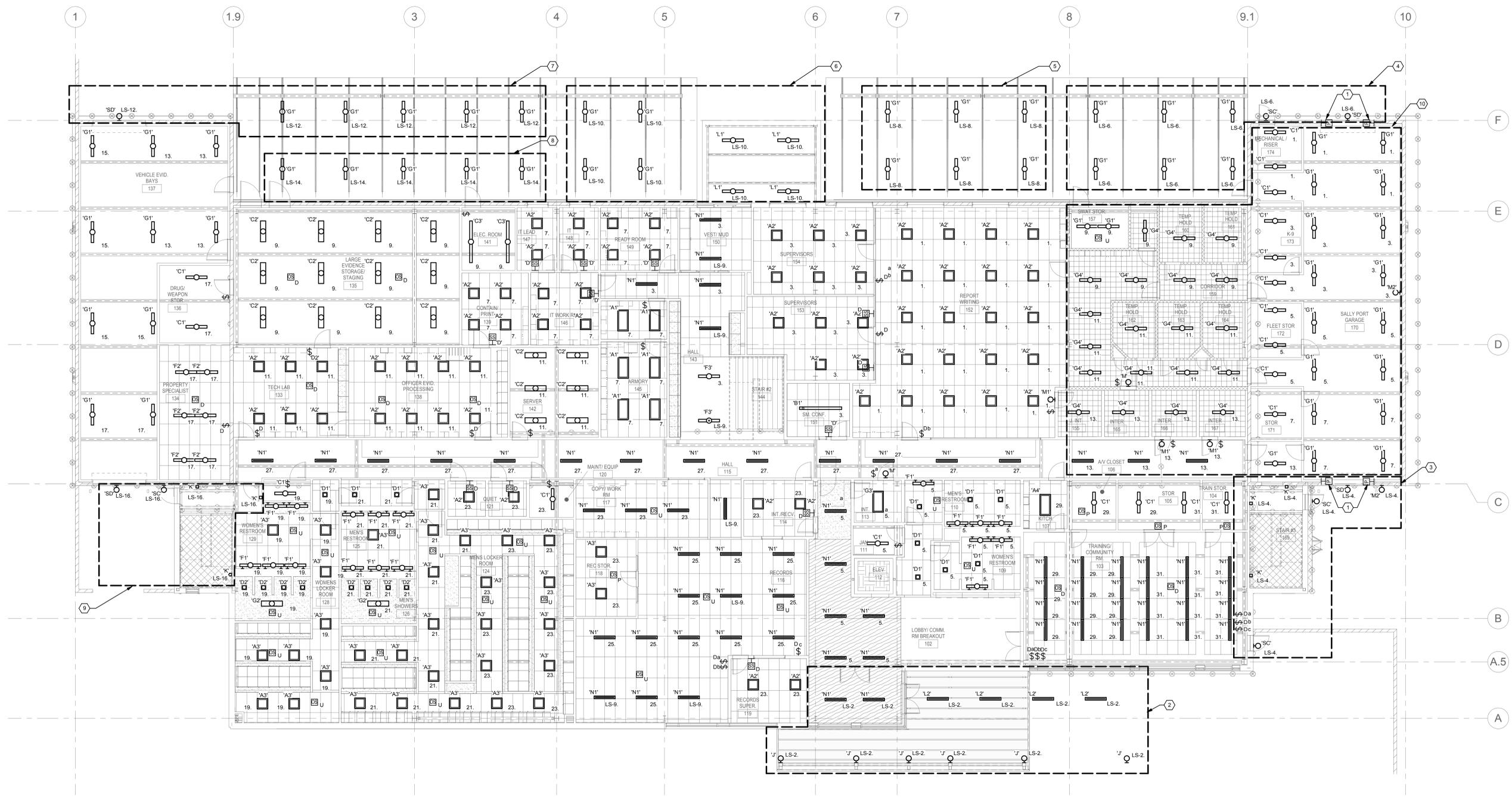
SHEET TITLE:  
**FIRST FLOOR  
 PLAN -  
 LIGHTING**

DRAWN BY: Author  
 CHECKED BY: Checker  
 SHEET

**E2.1**

JOB NO. **2140284.02**

90% CONSTRUCTION DOCUMENT SET: 01/08/16



**1 FIRST FLOOR PLAN - LIGHTING**

0' 4' 8' 12'  
 1/8" = 1'-0"

PROJECT 2015-0047  
 CONTACT ?

**INTERFACE ENGINEERING**

100 SW Main St.  
 Suite 1600  
 Portland, OR 97204  
 TEL: 503.382.2266  
 FAX: 503.382.2262  
 www.interfaceengineering.com

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 STAMP AREA

**GENERAL SHEET NOTES**

A ALL LIGHTING FIXTURES TO BE CIRCUITED TO PANEL 'SB2A'; THIS SHEET ONLY, UNLESS OTHERWISE NOTED.



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503.224.9560  
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333 BROADELBIN ST.  
SW ALBANY, OR, 97321



Project

**ALBANY POLICE DEPARTMENT**  
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SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

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Revision Schedule	
Revision	Issue Date
Delta	

SHEET TITLE:  
**SECOND FLOOR PLAN - LIGHTING**

DRAWN BY: Author

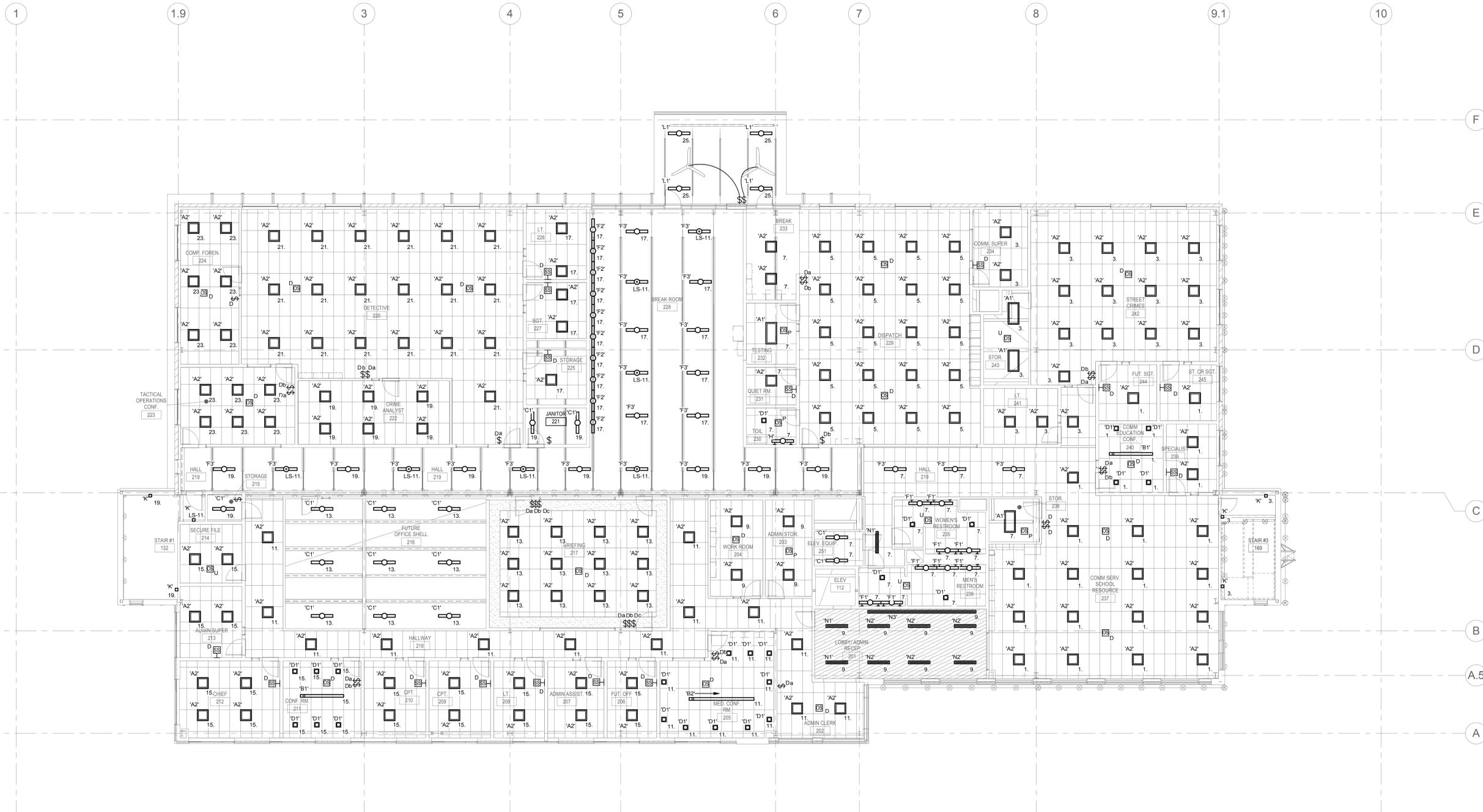
CHECKED BY: Checker

SHEET

**E2.2**

JOB NO. 2140284.02

**90% CONSTRUCTION DOCUMENT SET: 01/08/16**



**1 SECOND FLOOR PLAN - LIGHTING**  
1/8" = 1'-0"

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Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
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STAMP AREA

- A ALL NON-MECHANICAL RECEPTACLES TO BE CIRCUITED TO PANEL 'SB1A', THIS SHEET ONLY, UNLESS OTHERWISE NOTED.
- 1 MOUNT DUPLEX RECEPTACLE IN TOP SHELF OF LOCKER, COORDINATE WITH LOCKER SUPPLIER PRIOR TO ROUGH-IN.
- 2 PROVIDE J-BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE FOR FUTURE TASK EXHAUSTER.
- 3 PROVIDE NEMA L6-30R RECEPTACLE MOUNTED TO CABLE TRAY ABOVE SERVER RACK. MOUNT QUAD RECEPTACLE NEXT TO NEMA RECEPTACLE TO CABLE TRAY ABOVE SERVER RACK.
- 4 ALL NON-MECHANICAL RECEPTACLE LOADS IN THIS AREA TO BE CIRCUITED TO PANEL 'SB1B', THIS SHEET ONLY, UNLESS OTHERWISE NOTED.
- 5 MOUNT RECEPTACLE IN CASEWORK. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

SHEET KEYNOTES

**M.**  
 Architecture • Interiors  
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Portland, OR  
 503.224.9560  
 Vancouver, WA  
 360.695.7979  
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Revision Schedule	
Revision	Issue Date

SHEET TITLE:  
**FIRST FLOOR PLAN - POWER**

DRAWN BY: Author

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**E3.1**

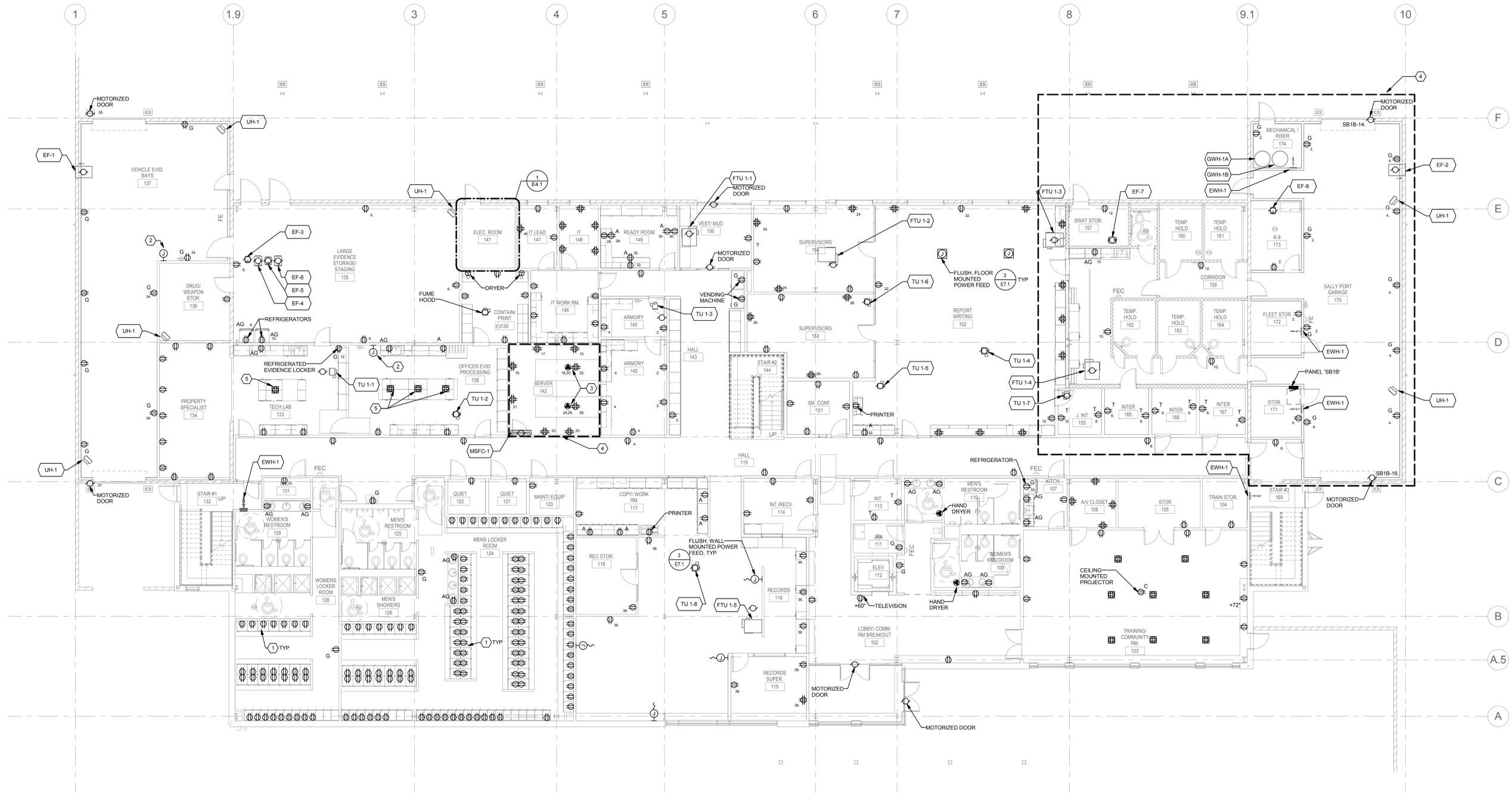
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 CONTACT ?

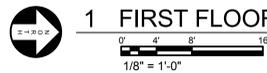
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**1 FIRST FLOOR PLAN - POWER**



1/8" = 1'-0"

**GENERAL SHEET NOTES**

A ALL NON-MECHANICAL RECEPTACLES TO BE CIRCUITED TO PANEL 'SB2A'. THIS SHEET ONLY, UNLESS OTHERWISE NOTED



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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**SECOND FLOOR PLAN - POWER**

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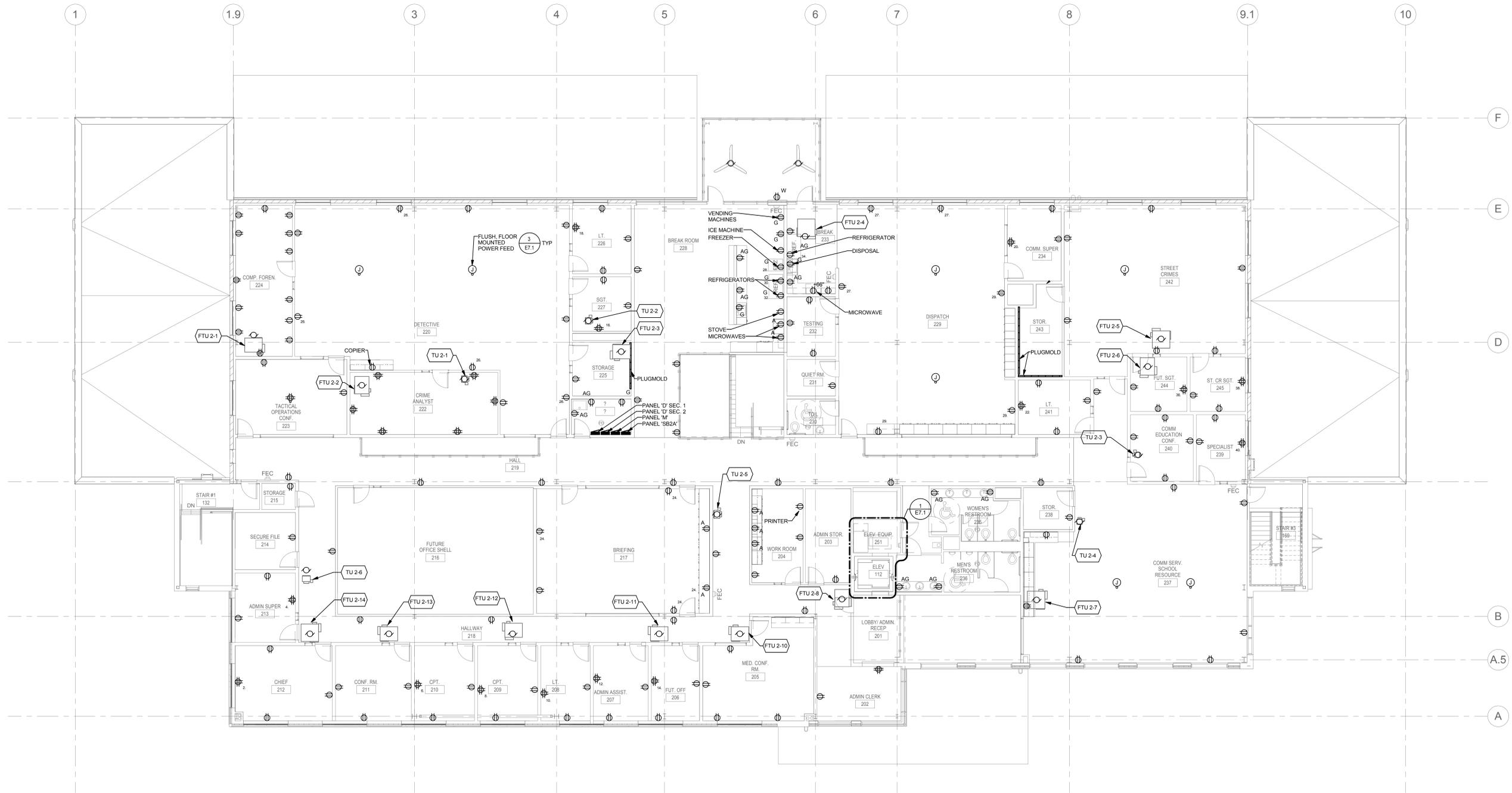
**E3.2**

JOB NO. 2140284.02

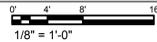
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**INTERFACE ENGINEERING**  
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Portland, OR 97204  
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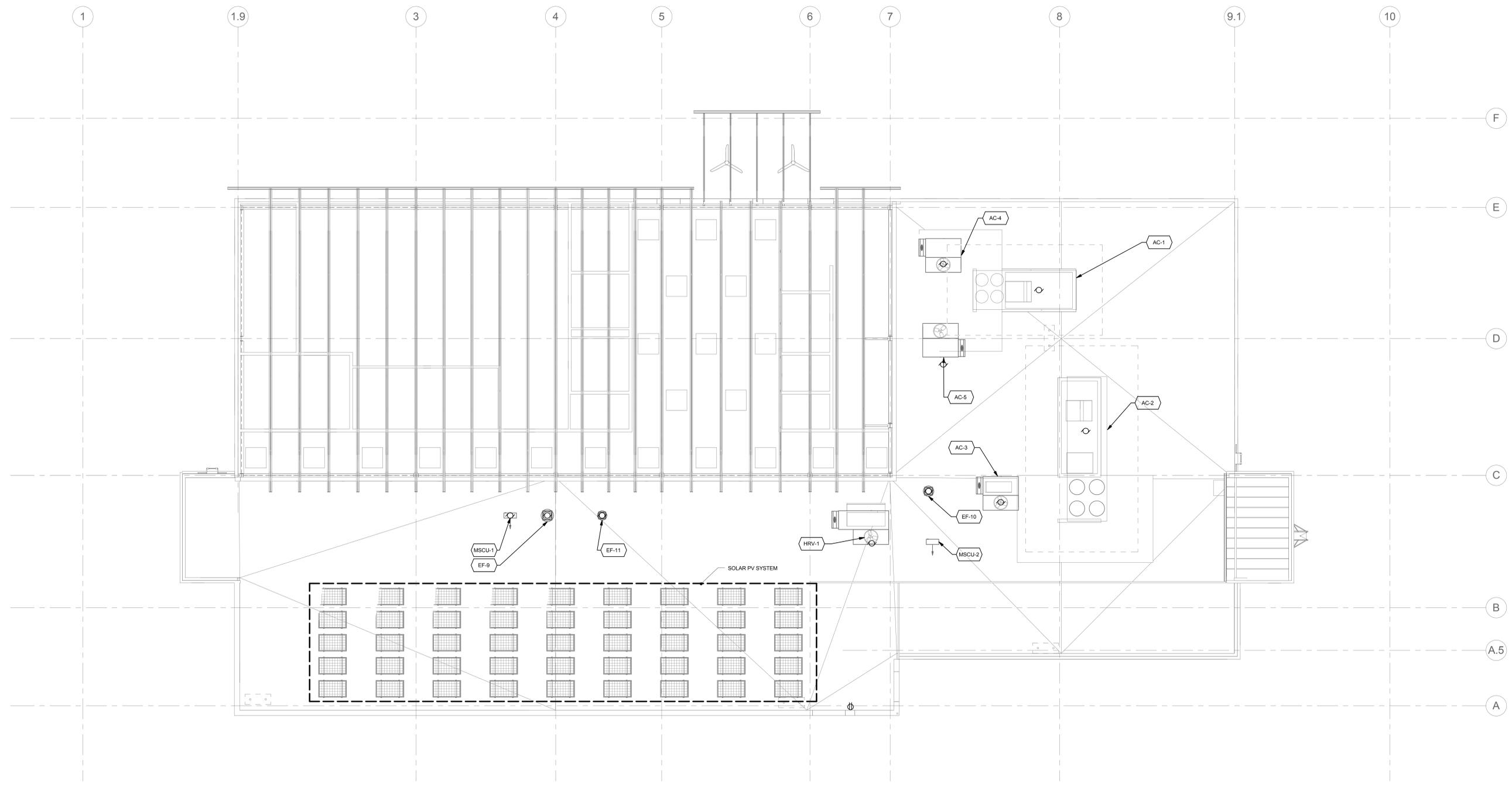


**1 SECOND FLOOR PLAN - POWER**





Revision Schedule	
Revision Delta	Issue Date



**1 ROOF PLAN - POWER**  
 0 4 8 16'  
 1/8" = 1'-0"

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**INTERFACE ENGINEERING**  
 100 SW Main St.  
 Suite 1600  
 Portland, OR 97204  
 TEL: 503.382.2266  
 FAX: 503.382.2262  
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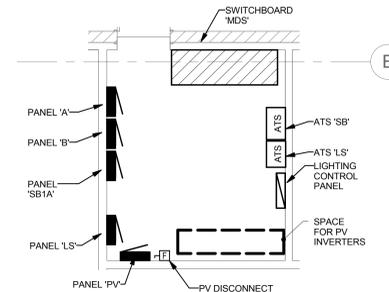
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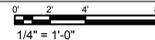
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SW ALBANY, OR, 97321

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**1 ENLARGED ELEC. ROOM 141**



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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**ENLARGED  
PLANS -  
ELECTRICAL**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**E4.1**

JOB NO. **2140284.02**

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CONTACT ?  
  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2262  
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**SHEET KEYNOTES**

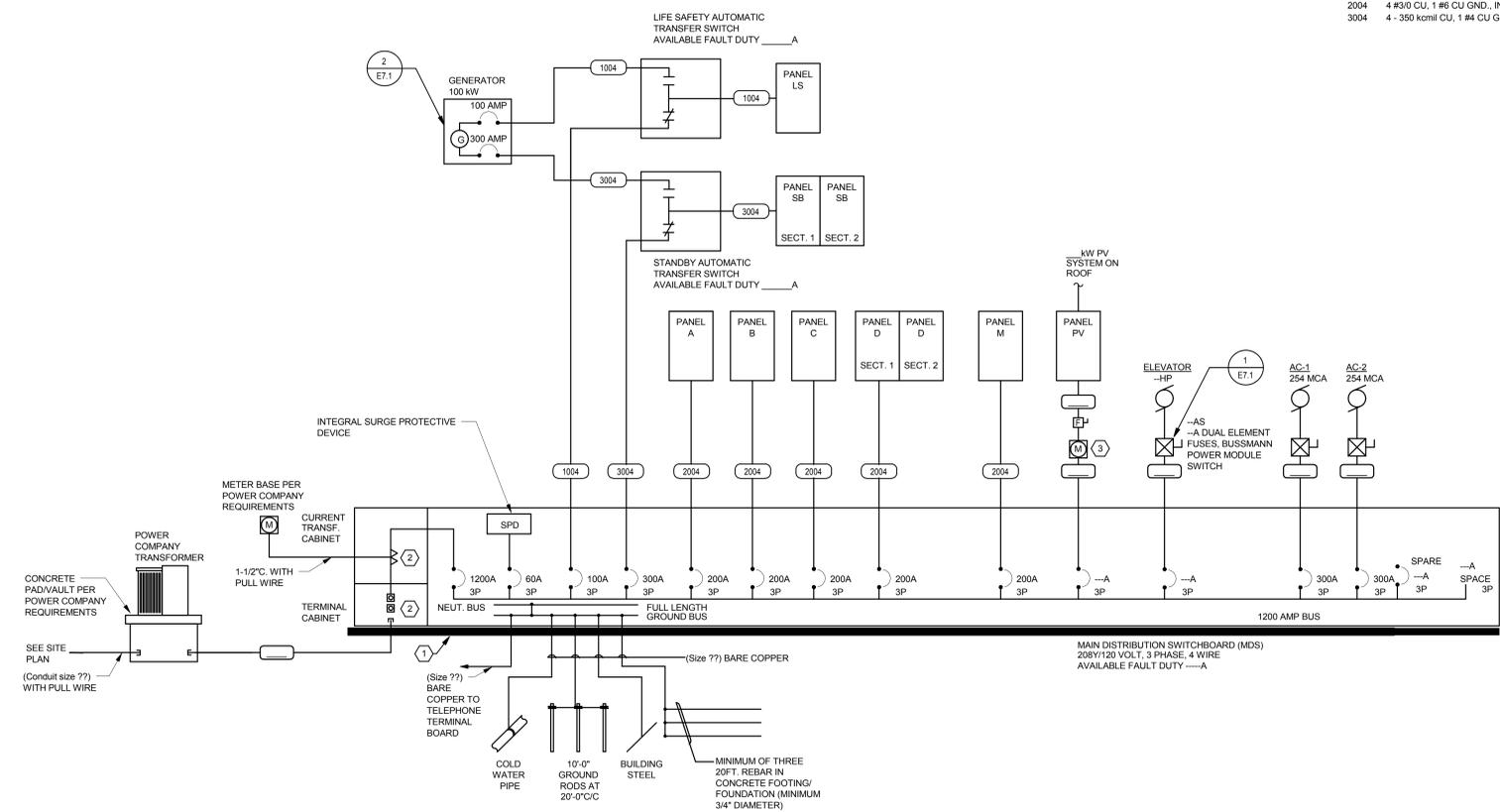
- 1 PROVIDE 3-1/2 INCH HIGH CONCRETE HOUSEKEEPING PAD UNDER TRANSFORMER/SWITCHBOARD.
- 2 CURRENT TRANSFORMER/TERMINAL CABINET PER POWER COMPANY REQUIREMENTS.
- 3 PROVIDE PV PERFORMANCE METER.



**FEEDER SCHEDULE**

A,C,S,X A=Aluminum  
C=Conduit only  
S=Service secondary  
X=Separately derived system

- 1004 4 #1 CU, 1 #8 CU GND., IN 1 1/2" C.
- 2004 4 #3/8 CU, 1 #6 CU GND., IN 2" C.
- 3004 4 - 350 kcmil CU, 1 #4 CU GND., IN 3" C.



**1 ONE-LINE POWER DISTRIBUTION DIAGRAM**  
NO SCALE

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**SINGLE LINE DIAGRAMS - ELECTRICAL**

DRAWN BY: Author  
CHECKED BY: Checker  
SHEET

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CONTACT ?  
**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2282  
www.interfaceengineering.com

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**E5.1**

JOB NO. 2140284.02



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Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
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CITY OF ALBANY  
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ALBANY POLICE  
DEPARTMENT  
333 BROADELBIN ST.  
SW ALBANY, OR, 97321

Mechanical/Electrical  
INTERFACE ENGINEERING  
708 SW 3RD AVE, SUITE 400  
PORTLAND, OR, 97204

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Revision Schedule table with columns: Revision Delta, Issue Date

SHEET TITLE:  
SCHEDULES -  
ELECTRICAL

GENERAL MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES  
A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.  
B. MOCF = MAXIMUM OVER CURRENT PROTECTION  
MCA = MINIMUM CIRCUIT AMPACITY  
C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES  
1. SEE ONE LINE POWER DIAGRAM FOR FEEDER SIZE.  
2. INTERLOCK WITH HOOD EXHAUST.

WIRE / CONDUIT SCHEDULE  
202 2 #12 CU, 1 #12 CU GND., IN 3/4" C.  
302 2 #10 CU, 1 #10 CU GND., IN 3/4" C.  
403 3 #8 CU, 1 #10 CU GND., IN 3/4" C.  
3003 3 #350 kcmil CU, 1 #4 CU GND., IN 2-1/2" C.

DRAWN BY: Author  
CHECKED BY: Checker  
SHEET  
E6.1

JOB NO. 2140284.02

Panel 'SB1A' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'SB1B' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9326A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'SB2A' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'A' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'D' Section 1 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'M' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'B' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'D' Section 2 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9326A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE table with columns: ITEM, DESCRIPTION, LOCATION, VOLTS / PHASE, LOAD, MCA, MOCF, WIRE / CONDUIT, CIRCUIT, NOTES

Panel 'C' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

Panel 'LS' 120/208V, 3 Ph., 4 W., 225A Bus with Main Lug Only Surface Mounted Panelboard with a minimum Available Fault rating of 9470A RMS. Table with columns: Ckt. No., Description / Location, Load (VA/Type), C.B. A/Pole, Note, Ph., Note, A/Pole, Load (VA/Type), Description / Location, Ckt. No.

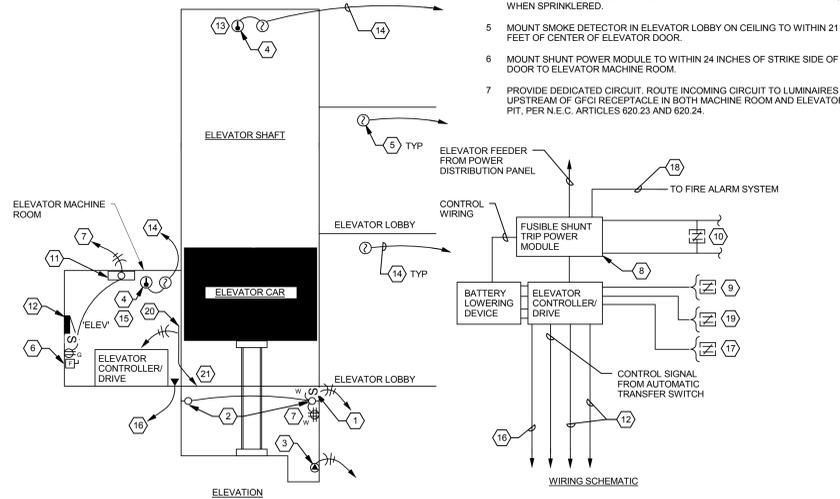
PROJECT 2015-0047  
CONTACT ?  
INTERFACE ENGINEERING  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2266  
FAX: 503.382.2262  
www.interfaceengineering.com

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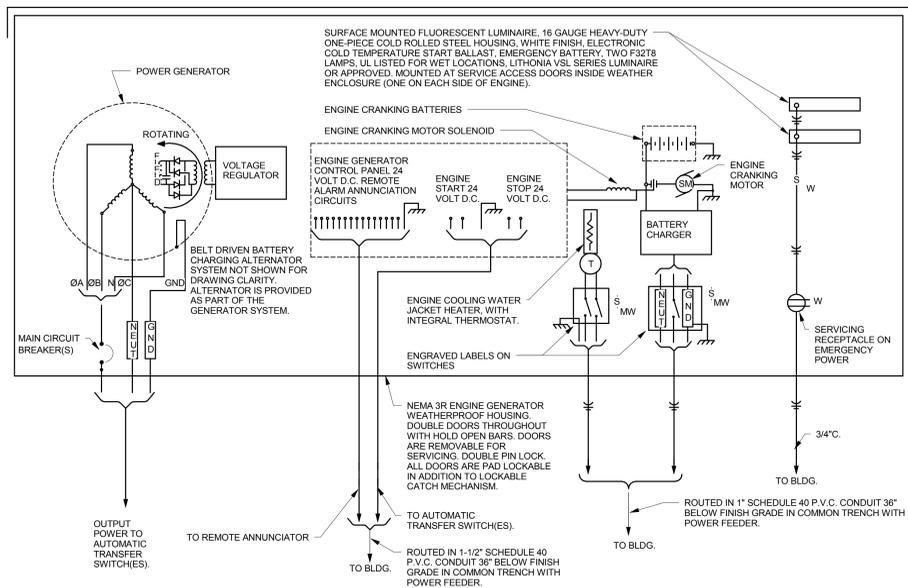
DETAIL KEYNOTES

- MOUNT WEATHERPROOF TOGGLE SWITCH FOR PIT LIGHTING CIRCUIT BY TOP OF PIT LADDER.
- PROVIDE NEMA 4 SURFACE MOUNTED FLUORESCENT GASKETED LUMINAIRE. FOUR FOOT WHITE POLYCARBONATE HOUSING WITH POLYCARBONATE DIFFUSER. TWO 32 WATT T8 LAMPS. BEGHELLI LUMINIA SERIES. METALUX DAYBRITE. HUBBELL, LIGHTOLIER OR APPROVED. TYPICAL OF FOUR. MOUNT ONE LUMINAIRE ON EACH WALL. AVOID LOCATING LUMINAIRES DIRECTLY BEHIND BEAMS OR STRUCTURE THAT WOULD BLOCK LIGHT. WIRING SHALL BE IDENTIFIED FOR WET LOCATIONS.
- CONNECT TO ELEVATOR PIT SUMP PUMP ON AREA OF PIT WALL CLOSEST TO SUMP HOLE WITH LIQUIDTIGHT FLEXIBLE CONDUIT. PROVIDE DEDICATED CIRCUIT. COORDINATE WITH DIVISION 22.
- MOUNT 135° FIXED TEMPERATURE HEAT DETECTOR TO WITHIN 24 INCHES OF EACH SPRINKLER HEAD IN ELEVATOR MACHINE ROOM AND HOISTWAY, WHEN SPRINKLERED.
- MOUNT SMOKE DETECTOR IN ELEVATOR LOBBY ON CEILING TO WITHIN 21 FEET OF CENTER OF ELEVATOR DOOR.
- MOUNT SHUNT POWER MODULE TO WITHIN 24 INCHES OF STRIKE SIDE OF DOOR TO ELEVATOR MACHINE ROOM.
- PROVIDE DEDICATED CIRCUIT. ROUTE INCOMING CIRCUIT TO LUMINAIRES UPSTREAM OF GFCI RECEPTACLE IN BOTH MACHINE ROOM AND ELEVATOR PIT. PER N.E.C. ARTICLES 620.23 AND 620.24.
- PROVIDE FUSIBLE SHUNT TRIP POWER MODULE WITH CONTROL TRANSFORMER, TEST SWITCH, PILOT LIGHT, AUXILIARY CONTACTS AND ALARM CONTACTS. SIZE OF POWER MODULE AS NOTED ON DRAWINGS. BUSSMANN, FERRAZ-SHAWMUT, LITTELFUSE OR APPROVED.
- PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO ELEVATOR CONTROLLER/DRIVE FOR ELEVATOR PRIMARY RECALL.
- PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO SHUNT TRIP CONTROL OF ELEVATOR POWER.
- ROOM LIGHTING. SEE FLOOR PLAN FOR TYPE AND QUANTITY.
- PROVIDE SEPARATE DEDICATED CIRCUITS AND LOCKABLE CIRCUIT BREAKERS IN PANEL. ELEV FOR EACH ELEVATOR CAR LIGHTS AND HVAC. LOCATE PANEL IN ELEVATOR MACHINE ROOM NEAR ENTRY DOOR. INDICATE CAR NUMBER AND TYPE OF LOAD NEXT TO EACH CIRCUIT BREAKER. REFER TO FLOOR PLAN FOR LOCATION OF PANEL.
- PROVIDE HEAT AND SMOKE DETECTORS AT THE TOP OF EACH ELEVATOR SHAFT. WHEN SPRINKLERED. PROVIDE LIQUIDTIGHT CONDUIT IN PIT WHEN SPRINKLERED.
- CONNECT TO FIRE ALARM SYSTEM SIGNALING LINE CIRCUIT.
- COORDINATE WALL MOUNTING SPACE FOR ELECTRICAL EQUIPMENT WITH ELEVATOR SUPPLIER/INSTALLER PRIOR TO ROUGH-IN.
- PROVIDE DEDICATED PHONE LINE IN 3/4" CONDUIT TO TELEPHONE TERMINAL BOARD.
- PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO ELEVATOR CONTROLLER TO ACTIVATE FIREMAN'S HAT LIGHT IN ELEVATOR CAB UPON INITIATION OF SMOKE DETECTION IN ELEVATOR SHAFT OR MACHINE ROOM.
- CONNECT TO FIRE ALARM SYSTEM FOR MONITORING OF CONTROL POWER.
- PROVIDE ADDRESSABLE FIRE ALARM CONTROL RELAY AND WIRING TO ELEVATOR CONTROLLER FOR ELEVATOR ALTERNATE RECALL.
- SUMP PUMP ALARM PANEL. COORDINATE ALARM PANEL LOCATION WITH OWNER AND DIVISION 22. PROVIDE DEDICATED CIRCUIT.
- PROVIDE 1/2" CONDUIT AND CONTROL WIRE FROM SUMP PUMP ALARM PANEL TO SUMP PUMP HIGH LEVEL ALARM. COORDINATE WITH DIVISION 22.



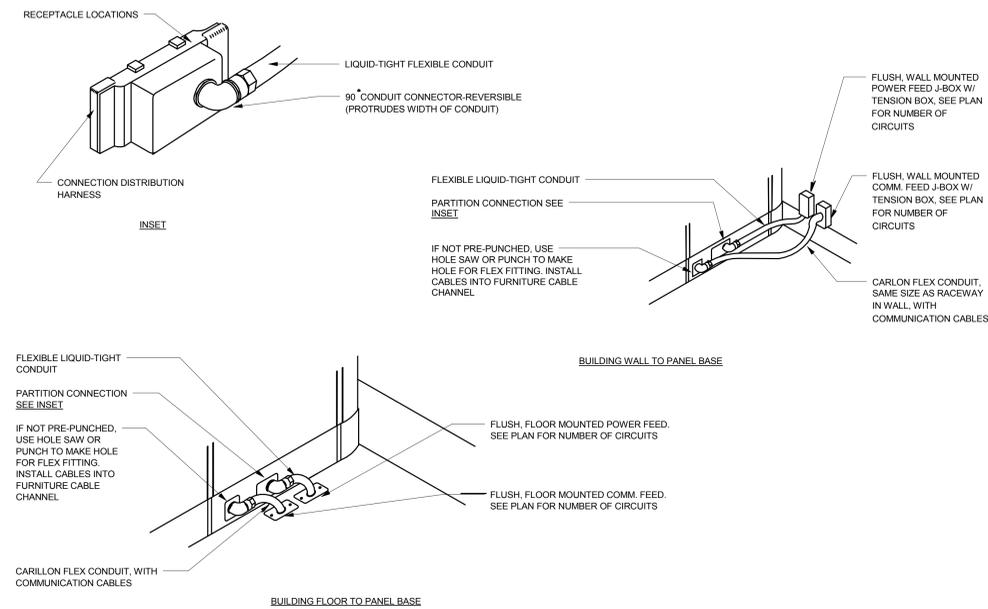
1 HYDRAULIC TYPE ELEVATOR DETAIL

NO SCALE



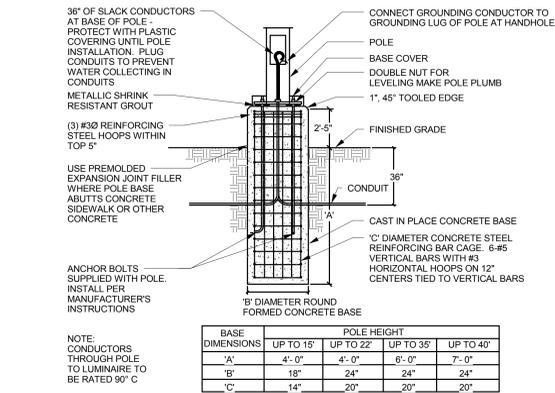
2 EXTERIOR ENGINE GENERATOR DIAGRAM

NO SCALE



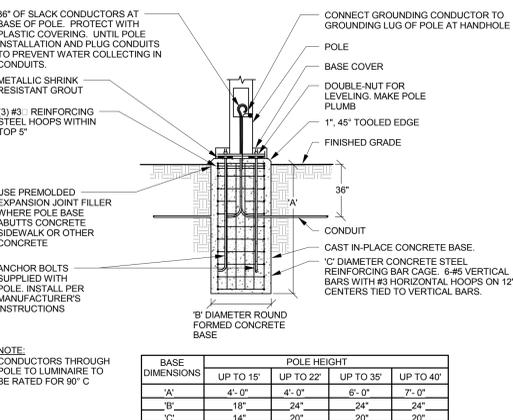
3 SYSTEM FURNITURE CONNECTIONS

NO SCALE



4 SECTION - AREA LUMINAIRE STANDARD PEDESTAL ANCHOR BASE

NO SCALE



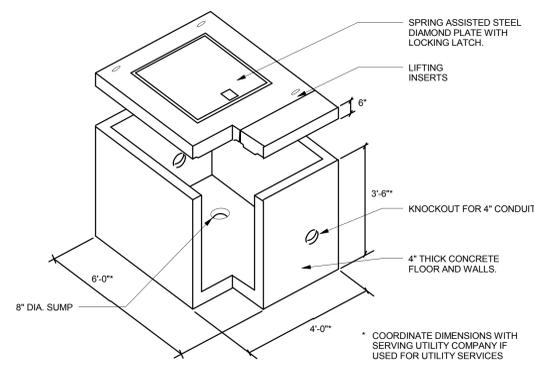
5 SECTION - AREA LUMINAIRE STANDARD FLUSH ANCHOR BASE

NO SCALE

Revision Schedule	
Revision Delta	Issue Date

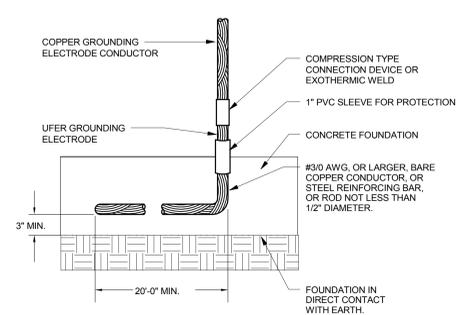


Revision Schedule	
Revision Delta	Issue Date



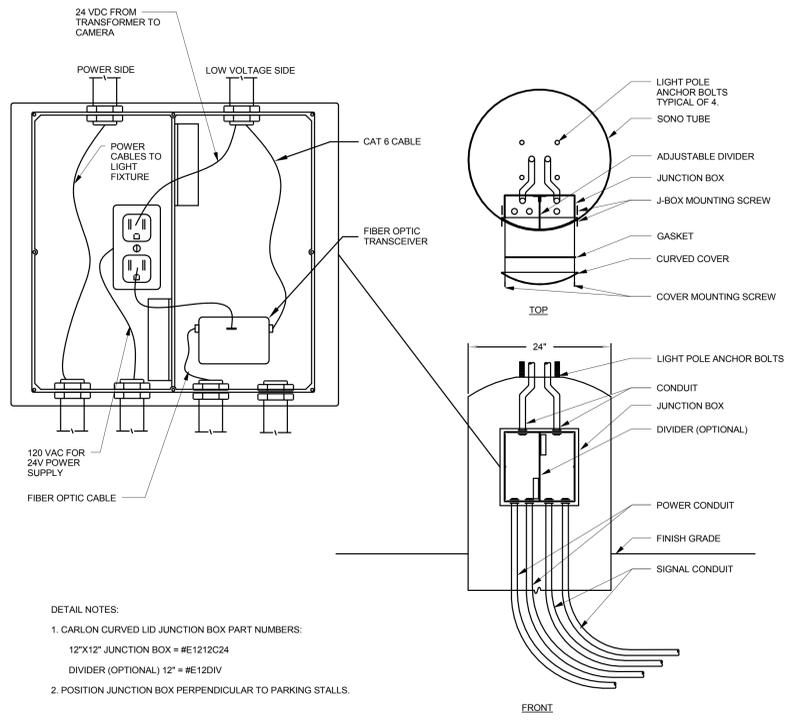
**3 TYPICAL COMMUNICATIONS VAULT**

NO SCALE



**4 UFER GROUNDING**

NO SCALE

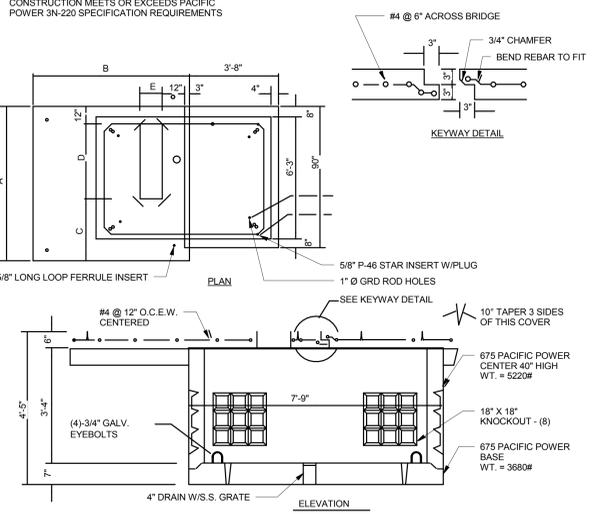


**1 POLE BASE JUNCTION BOX**

NO SCALE

NOTES THIS DETAIL:  
CONCRETE: MIN. 28 DAY FC = 4500 PSI  
REINFORCEMENT: GRADE 60 ASTM A-615  
LOADING: PER ASTM C-857-78, H-20 RATED  
JOINT GASKET: 1" MEETS AASHTO M198  
CONSTRUCTION MEETS OR EXCEEDS PACIFIC POWER 9N-220 SPECIFICATION REQUIREMENTS

SIZING CHART							
PRIMARY KVA	SECONDARY V	KVA	A	B	C	D	E
2.4 TO 20.8	208Y/120	750-1500	96	103	30	54	16
	& 480Y/120	2000-2500	108	115	36	60	16
34.5	208Y/120	300-500	103	84	31	60	21
	208Y/120	750-1500	108	108	36	60	21
	& 480Y/120	2000-2500	108	120	36	60	21



**2 TRANSFORMER PAD VAULT**

NO SCALE

PROJECT 2015-0047  
CONTACT ?

100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2286  
FAX: 503.382.2282  
www.interfaceengineering.com

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Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
Seattle, WA  
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Revision Schedule	
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SHEET TITLE:  
**DETAILS -  
ELECTRICAL**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

JOB NO. **2140284.02**

PROJECT 2015-0047  
CONTACT ?  
  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2266  
FAX 503.382.2262  
www.interfaceengineering.com

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**E7.3**

# TECHNOLOGY SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

## Abbreviations

AFF	ABOVE FINISHED FLOOR
CAT	CATEGORY
COAX	COAXIAL
C	CONDUIT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
EA	EACH
(E)	EXISTING
LC	FIBER OPTIC CONNECTOR
SC	FIBER OPTIC CONNECTOR
FDU	FIBER OPTIC DISTRIBUTION UNIT
FT	FOOT, FEET
ANMW	GEL-FILLED UNDERGROUND CABLE
HH	HANDHOLE
IN	INCH, INCHES
IT	INFORMATION TECHNOLOGY
IDF	INTERMEDIATE DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
LV	LOW VOLTAGE
MDF	MAIN DISTRIBUTION FRAME
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OSP	OUTSIDE PLANT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PTZ	PAN, TILT, ZOOM
POE	POWER OVER ETHERNET
PBX	PRIVATE BRANCH EXCHANGE
QTY	QUANTITY
RFI	REQUEST FOR INFORMATION
RM	ROOM
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
WAN	WIDE AREA NETWORK
WAP	WIRELESS ACCESS POINT
WI-FI	WIRELESS FIDELITY
W/	WITH
WO	WITHOUT
WAO	WORK AREA OUTLET

## Audio/Video

	AUDIO-VIDEO OUTLET IN FLOOR BOX WITH 1-1/4" CONDUIT AND HDMI CABLE UNDER SLAB TO LOCATION SHOWN ON FLOOR PLANS
	AUDIO-VIDEO OUTLET WITH 5-SQUARE RANDL BOX, SINGLE-GANG ADAPTER PLATE AND 1-1/4" CONDUIT WITH HDMI CABLE TO ACCESSIBLE CEILING SPACE UON. A = ABOVE COUNTER C = FLUSH CEILING WITH 1-1/4" CONDUIT TO LOCATION SHOWN ON FLOOR PLANS
	CEILING MOUNTED PROJECTOR BRACKET FOR OFCI PROJECTOR
	FLUSH MOUNTED AUDIO REINFORCEMENT SPEAKER IN CEILING.
	FLUSH WALL MOUNTED AUDIO REINFORCEMENT SPEAKER
	TELEVISION OUTLET, WITH RG-6 TO NEAREST TELECOM ROOM CABLE AND 1" TO ACCESSIBLE CEILING. INSTALL AT 48" AFF, UON.

## Electronic Security

	CEILING MOUNTED MOTION DETECTION SENSOR
	DOOR POSITION SWITCH/CONTACT
	ELECTRIC LATCH CONNECTION
	ELECTRIC STRIKE DOOR LOCKS
	PANIC BUTTON LOCATION. INSTALL AT 42"
	REQUEST TO EXIT DEVICE
	VIDEO SURVEILLANCE CAMERA, REFER TO CAMERA SCHEDULE
	WALL MOUNTED ACCESS CONTROL CARD READER
	WALL MOUNTED KEYPAD
	WALL MOUNTED MOTION DETECTION SENSOR

## Equipment

	2-POST EQUIPMENT RACK
	4-POST EQUIPMENT RACK
	DOUBLE-SIDED VERTICAL WIRE MANAGEMENT
	MAJOR EQUIPMENT, CABINETS OR PANELS

## Paging

	CEILING SPEAKER
	FLUSH WALL MOUNTED SPEAKER WITH 1" TO ACCESSIBLE CEILING SPACE. HEIGHT AS INDICATED.
	SPEAKER VOLUME CONTROL WITH 3/4" C. AND PULL STRING TO ACCESSIBLE CEILING SPACE. MOUNT 48" AFF.
	VIDEO INTERCOM DOOR STATION AIPHONE IS-DVF
	VIDEO INTERCOM MASTER STATION AIPHONE IS-MV
	WALL MOUNTED SECONDARY CLOCK. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.

## Raceways

	CABLE RUNWAY, WIDTH AS INDICATED
	CONDUIT AND CONDUCTORS ABOVE GRADE
	CONDUIT AND CONDUCTORS BELOW GRADE OR SLAB
	CONDUIT DOWN
	CONDUIT SLEEVE

	CONDUIT UP
	CONDUIT/WIRING CONTINUATION
	FLEXIBLE CONDUIT
	HANDHOLE
	PULL BOX
	TELECOMMUNICATIONS VAULT
	TELEPHONE BACKBOARD
	TELEPHONE UTILITY POLE
	TELEPHONE/DATA POWER POLE

## Reference Symbols

	DETAIL NUMBER AND SHEET LOCATION
	DOOR IDENTIFICATION
	KEYED NOTES
	SECTION NUMBER AND SHEET LOCATION

## Telecommunications

	POKE-THRU COMBINATION TELE/DATA OUTLET, WITH (4) CAT6 CABLE(S) TO NEAREST MDF/IDF, UON.
	STANDARD COMMUNICATIONS OUTLET WITH (4) CAT6 CABLE(S) TO NEAREST MDF/IDF AND 1" TO ACCESSIBLE CEILING SPACE.
	ALTERNATE COMMUNICATIONS OUTLET (X): A = ABOVE COUNTER WITH (4) CAT6 CABLE(S) TO NEAREST MDF/IDF AND 1" TO ACCESSIBLE CEILING SPACE. C = SINGLE GANG BOX, FLUSH IN CEILING, MOUNTED TO TILE BRIDGE WITH (2) CAT6 CABLE(S) TO NEAREST MDF/IDF. W = LOCATION FOR FLUSH MOUNT WIRELESS ACCESS POINT OUTLET WITH (1) CAT6A CABLE TO NEAREST MDF/IDF AND 1" TO ACCESSIBLE CEILING SPACE, UON.
	FLUSH FLOOR COMBINATION COMMUNICATIONS OUTLET WITH (4) UL LISTED, GEL-FILLED CAT6 CABLE(S) AND 1" UNDER SLAB CONDUIT TO NEAREST MDF/IDF, UON.
	TELEPHONE OUTLET WITH (1) CAT6 CABLE TO NEAREST MDF/IDF AND 3/4" C. TO ACCESSIBLE CEILING SPACE.
	WALL MOUNT TELEPHONE OUTLET WITH (1) CAT6 CABLE TO NEAREST MDF/IDF AND 1" TO ACCESSIBLE CEILING SPACE. PROVIDE FACEPLATE WITH MOUNTING LUGS. INSTALL AT 48" AFF, UON.

# GENERAL TECHNOLOGY NOTES

- COMMUNICATIONS RACEWAYS, TRAYS, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. LOCATIONS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. FIELD COORDINATE ALL WORK WITH OTHER TRADES.
- CONSTRUCTION DETAILS SHOW TYPICAL INSTALLATION. UON, AND APPLY TO ALL COMMUNICATIONS WORK INCLUDED IN THE SUMMARY OF WORK FOR THIS PACKAGE EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE PLAN DRAWINGS.
- THE TECHNOLOGY DRAWINGS ARE PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF DRAWINGS LISTED BY THE "INDEX OF DRAWINGS." PARTIAL SETS OF DRAWINGS NOT INCLUSIVE OF ALL DISCIPLINES ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED.
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- COORDINATE ALL DOOR ACCESS CONTROL FUNCTIONS WITH ADA DOOR ACTUATOR FUNCTION SUCH THAT DOOR MOTOR WILL NOT OPERATE WITHOUT PRIOR VALID CARD READ DURING SECURE MODE OPERATION.
- REFER TO ELECTRICAL SITE PLAN FOR ADDITIONAL TECHNOLOGY REQUIREMENTS.
- CONDUIT FOR TELECOM AND SECURITY LOCATIONS MUST BE INSTALLED FROM OUTLET LOCATION TO ACT CEILING SPACE. EXPOSED CABLING IS NOT ALLOWED.

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Portland, OR  
503.224.9560  
Vancouver, WA  
360.695.7879  
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Revision Schedule	
Revision Delta	Issue Date

## SHEET INDEX

D1.0	COVER SHEET - TECHNOLOGY
D2.0	SITE PLAN - TECHNOLOGY
D2.1	FIRST FLOOR PLAN - TECHNOLOGY
D2.2	SECOND FLOOR PLAN - TECHNOLOGY
D2.4	ENLARGED PLANS - TECHNOLOGY
D8.1	DETAILS - TECHNOLOGY
D9.1	SCHEDULES - TECHNOLOGY

SHEET TITLE:  
**COVER SHEET -  
TECHNOLOGY**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**D1.0**

JOB NO. 2140284.02

PROJECT 2015-0047  
CONTACT Darcy Tucker

100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL 503.382.2286  
FAX 503.382.2282  
www.interfaceengineering.com

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**SHEET KEYNOTES**

1. PROVIDE (2) 2-INCH CONDUITS FOR LS NETWORKS, (1) 4-INCH CONDUIT FOR CENTURYLINK AND (1) 2-INCH CONDUIT FOR COMCAST TO EXISTING UTILITY POLE # 137703.
2. WIRELESS ACCESS POINT MOUNTED TO LIGHT POLE.
3. INTERCOM ON GOOSENECK PEDESTAL. INTERCOM CALLS DISPATCH.
4. CARD READER ON GOOSENECK PEDESTAL.



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SHEET TITLE:  
**SITE PLAN - TECHNOLOGY**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

**D2.0**

JOB NO. 2140284.02

ALBANY CANAL (CATHEY CREEK)

S UMATILLA STREET

PACIFIC HWY 99 E

WILLETTA STREET

SERVER ROOM (132)

EXISTING POLE #137703



1 SITE PLAN - TECHNOLOGY

0' 4' 8' 16'  
1" = 20'-0"

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100 SW Main St.  
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Portland, OR 97204  
TEL: 503.382.2286  
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**GENERAL SHEET NOTES**

- A. PROVIDE DRY CONTACT FOR ACCESS CONTROLLED DEVICES FROM ACCESS CONTROL PANEL TO THE READY ROOM. TERMINATIONS IN READY ROOM BY DAY WIRELESS.

**SHEET KEYNOTES**

1. STUB ABOVE CEILING (2) 2-INCH RIGID CONDUITS WITH WEATHERHEAD FROM SERVER ROOM TO ROOF FOR RADIO TOWER CABLING.
2. REMOTE RELEASE FOR DOOR 114A.
3. MULLION MOUNT CARD READER.
4. PANIC BUTTON, LOCKS MAIN ENTRANCE VESTIBULE DOORS TO EXTERIOR UPON ACTIVATION AND DIALS 911.
5. EMERGENCY PHONE WITH PUSH BUTTON, DIALS 911 AND HAS HANDS FREE TWO WAY COMMUNICATION.
6. FLOOR BOX RFB-11
7. INSTALL (1) CAT6 CABLE FOR TOUCH PANEL CONTROLLER.
8. INTERVIEW ROOM RECORDING SYSTEM TO MATCH EXISTING SYSTEM. EXISTING SYSTEM WILL BE REINSTALLED. VERIFY WITH OWNER. LOCATIONS FOR (4) CAMERAS AND (4) MICROPHONES SALVAGED FROM THE EXISTING SYSTEM. PROVIDE NEW CAMERAS AND MICROPHONES FOR THE 2 ADDITIONAL ROOMS. (8) TOTAL CAMERAS TO BE SEPARATED FROM VIDEO SURVEILLANCE CAMERA SYSTEM.
9. INSTALL (1) CAT6 CABLE FOR DIGITAL SIGNAGE. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
10. OFCI FLAT SCREEN WITH BRACKET. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. DURESS BUTTON MOUNTED UNDER DESKTOP.
11. INSTALL (1) CAT6 CABLE. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.
12. INSTALL (1) CAT6 CABLE. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.
13. PUSHBUTTON TO OPEN VEHICLE GATE.
14. OFCI VIDEO SURVEILLANCE MONITOR. INSTALL ON ADJUSTABLE WALL MOUNTED BRACKET.
15. INSTALL (2) 1" CONDUITS TO FLOOR BOX. INSTALL (8) CAT6 CABLES TO EACH FLOOR BOX FOR SYSTEMS FURNITURE. INSTALL CARD READER FOR ROLL UP DOOR ON BCLAND. PROVIDE REMOTE RELEASE FOR DOOR IN DISPATCH.
17. OUTLET FOR INTOXILIZER.
18. KEYPAD WITH CARD READER COMBINATION.
19. PROVIDE (1) CAT6 CABLE FOR DOOR TABLET INTERFACE. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.



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Vancouver, WA  
360.695.7879  
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SW ALBANY, OR, 97321

Mechanical/Electrical  
**INTERFACE ENGINEERING**  
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PORTLAND, OR, 97204

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Revision Schedule	
Revision	Issue Date
Delta	

SHEET TITLE:  
**FIRST FLOOR PLAN - TECHNOLOGY**

DRAWN BY: Author

CHECKED BY: Checker

SHEET

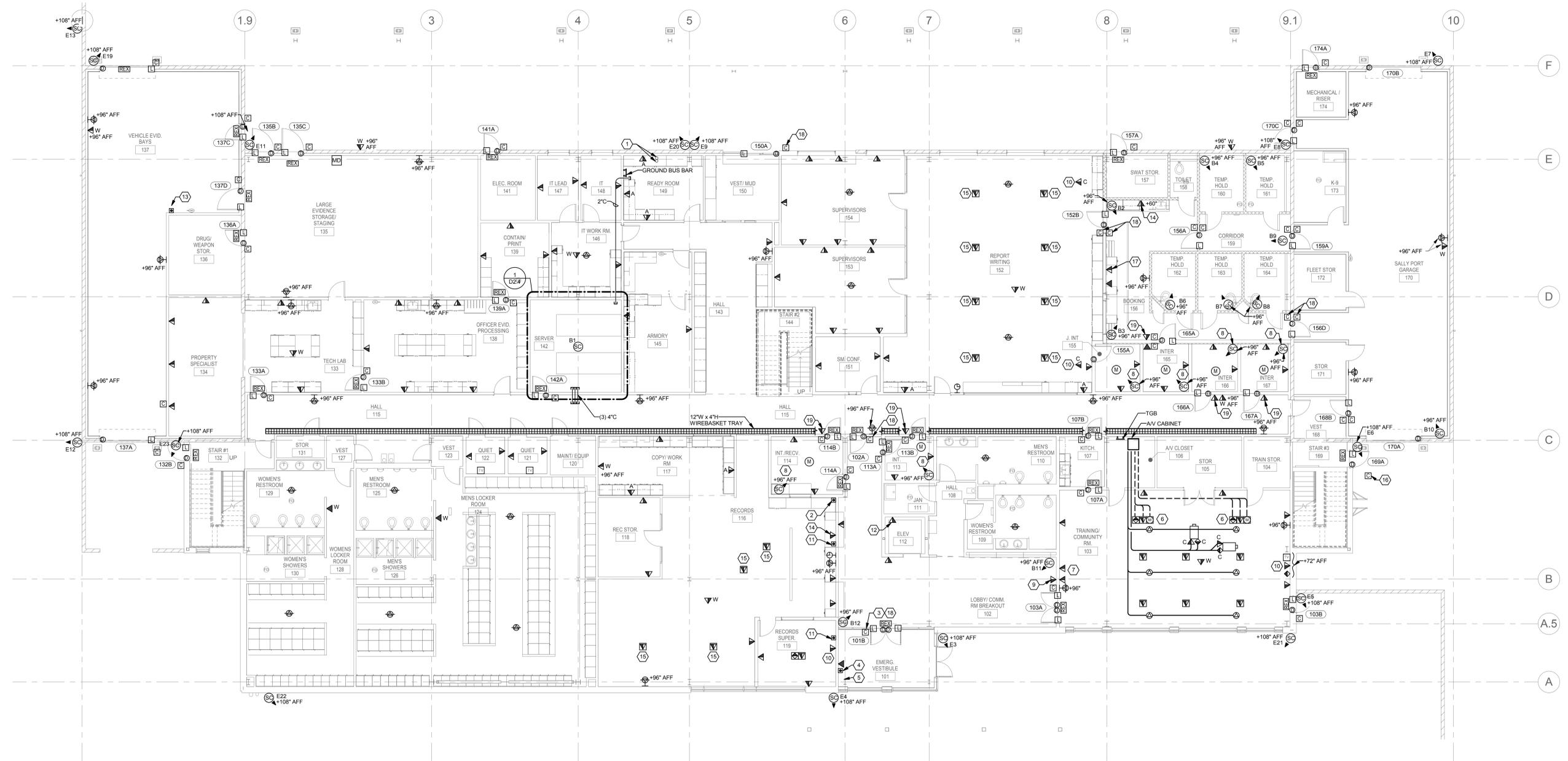
**D2.1**

JOB NO. **2140284.02**

PROJECT 2015-0047  
CONTACT Darcy Tucker  
**INTERFACE ENGINEERING**  
100 SW Main St.  
Suite 1600  
Portland, OR 97204  
TEL: 503.382.2286  
FAX: 503.382.2282  
www.interfaceengineering.com

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**90% CONSTRUCTION DOCUMENT SET: 01/08/16**



**1 FIRST FLOOR PLAN - TECHNOLOGY**  
1/8" = 1'-0"



**SHEET KEYNOTES**

1. (2) 2-INCH RIGID CONDUITS WITH WEATHERHEAD FROM SERVER ROOM TO ROOF FOR RADIO TOWER CABLING.
2. INSTALL (1) CATEGORY 6 CABLE FOR ELEVATOR PHONE. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.
3. CEILING MOUNTED VIDEO SURVEILLANCE MONITOR.
4. DURESS BUTTON MOUNTED UNDER DESKTOP.
5. OUTLET TO FEED FOUR CUBICLES.
6. INSTALL (2) 1" CONDUITS TO POKE THRU. INSTALL (8) CAT6 CABLES TO EACH POKE THRU FOR SYSTEMS FURNITURE.
7. PUSHBUTTON TO OPEN MAIN GATE OFF OF PACIFIC.
8. PUSHBUTTON TO OPEN EAST SALLY PORT DOOR. MOUNT UNDER SYSTEMS FURNITURE TABLETOP.
9. INTERCOM FROM MAIN GATE AT PACIFIC. MOUNT UNDER SYSTEMS FURNITURE TABLETOP.

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**SECOND FLOOR PLAN - TECHNOLOGY**

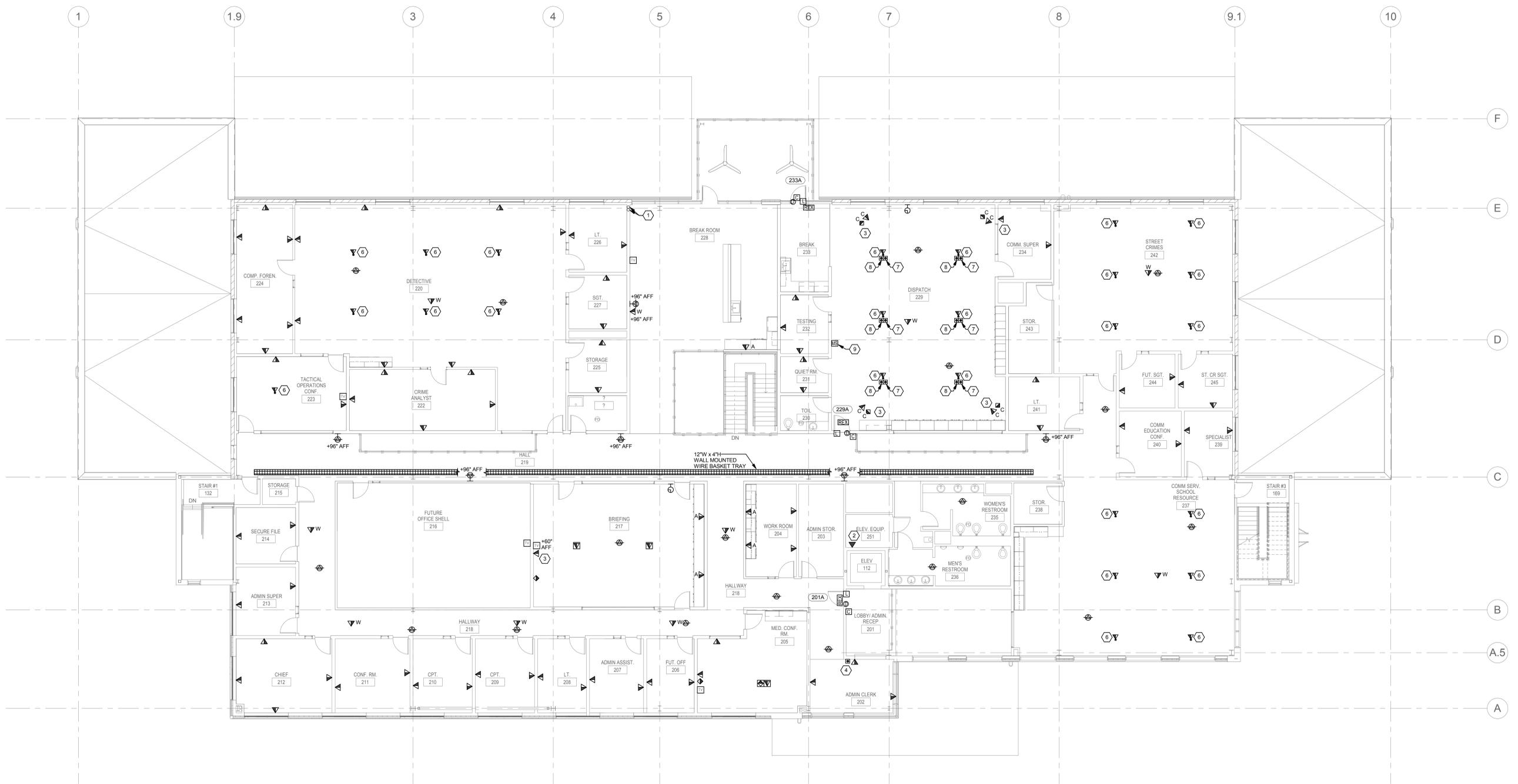
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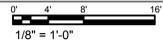
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**D2.2**

JOB NO. 2140284.02



**1 SECOND FLOOR PLAN - TECHNOLOGY**



PROJECT 2015-0047  
 CONTACT Darcy Tucker

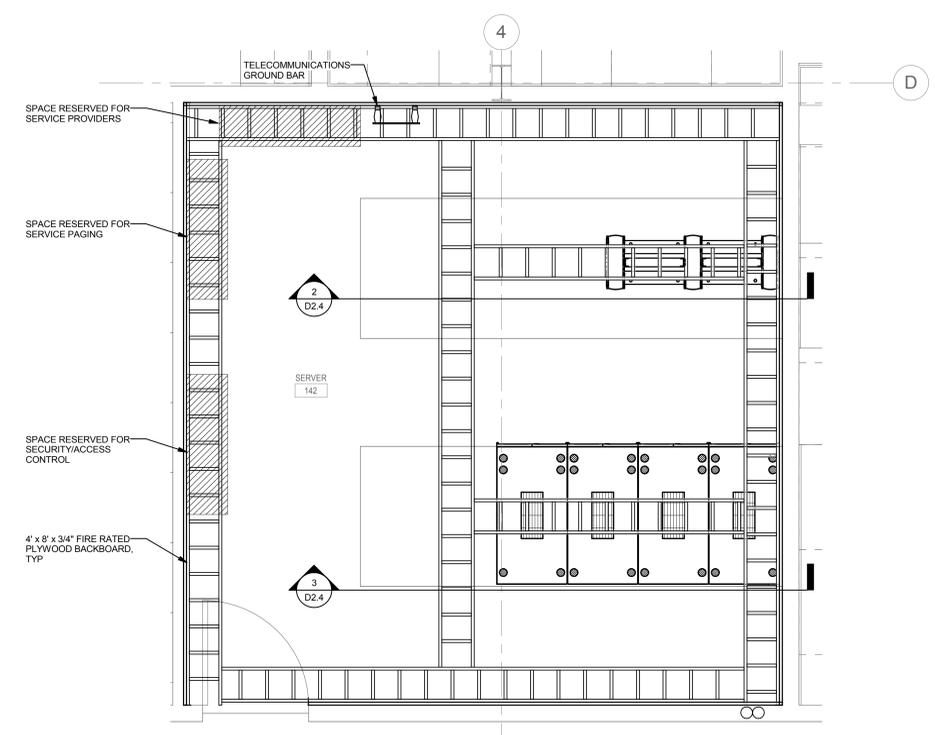
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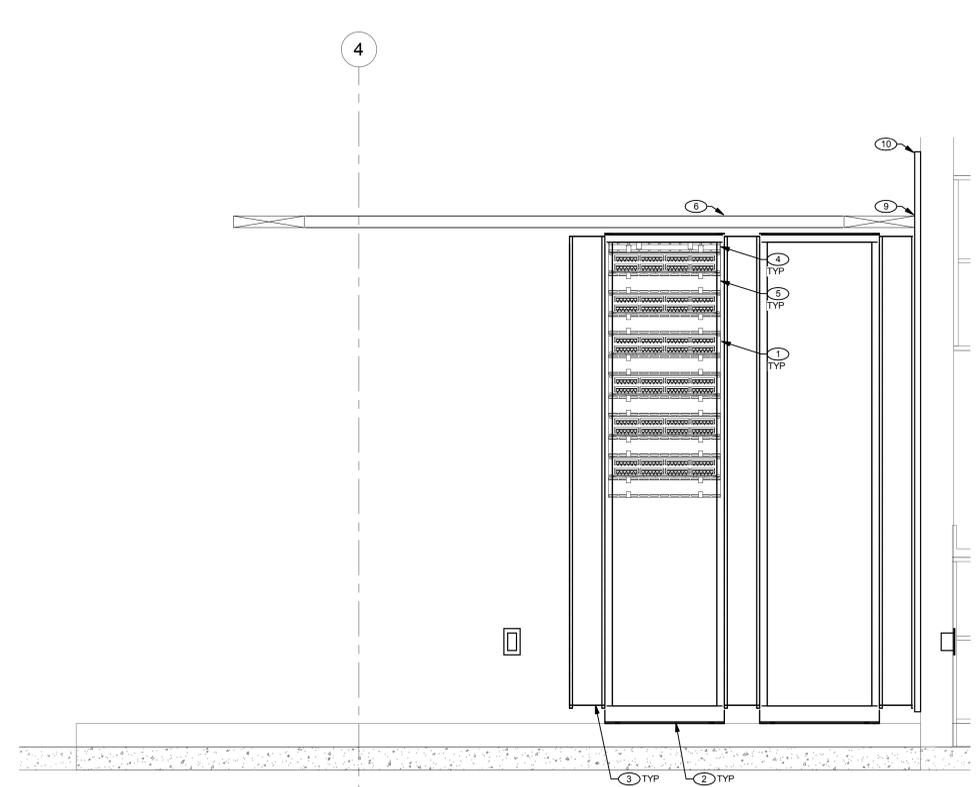
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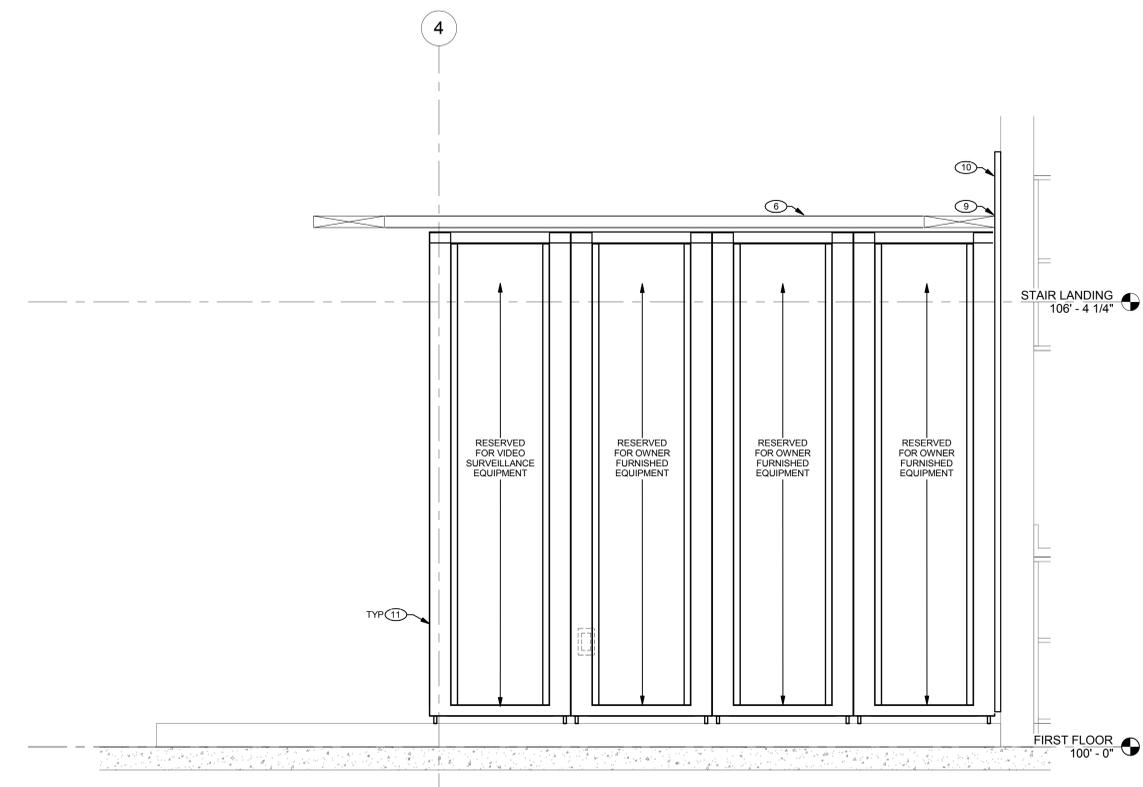
Equipment ID	Manufacturer	Part Number	Description	Notes
1	Approved	Approved	48 Port, Category 6, Modular Patch Panel	
2	Chatsworth	46353-703	19" Wide x 84" High Equipment Rack, UL Listed, Black Finish	
3	Chatsworth	30162-703	6" Wide x 84" High Double Sided Vertical Cable Manager, CCS, Black Finish	
4	Chatsworth	30139-719	1 Rack U Horizontal Cable Manager, 19" rack, Black Finish	
5	Chatsworth	30130-719	2 Rack U Horizontal Cable Manager, 19" rack, Black Finish	
6	Chatsworth	11275-712	UL Classified 12" Cable Runway	
7	Chatsworth	10595-712	3" Channel Rack-to-Runway Mounting Plate	
8	Chatsworth	12294-701	Rack Radius Drop	
9	Chatsworth	11421-712	Wall Angle Support Kit	
10	N/A	N/A	4' x 8' x 3/4" ACX Fire Retardant backboard	Install on all walls of Telecom Room
11	Tripp Lite	SR42UB	84" High, 42U Server Cabinet with sides and locking, reversible front and rear doors.	



**1 ENLARGED SERVER ROOM**  
1/2" = 1'-0"



**2 RACK ELEVATIONS**  
1" = 1'-0"



**3 RACK ELEVATIONS**  
1" = 1'-0"

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**ENLARGED PLANS - TECHNOLOGY**

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SHEET

**D2.4**

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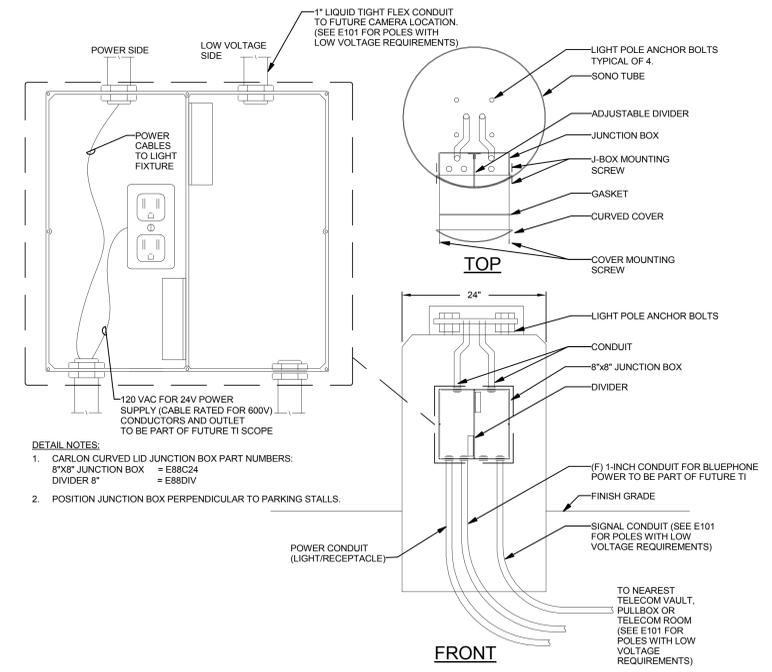
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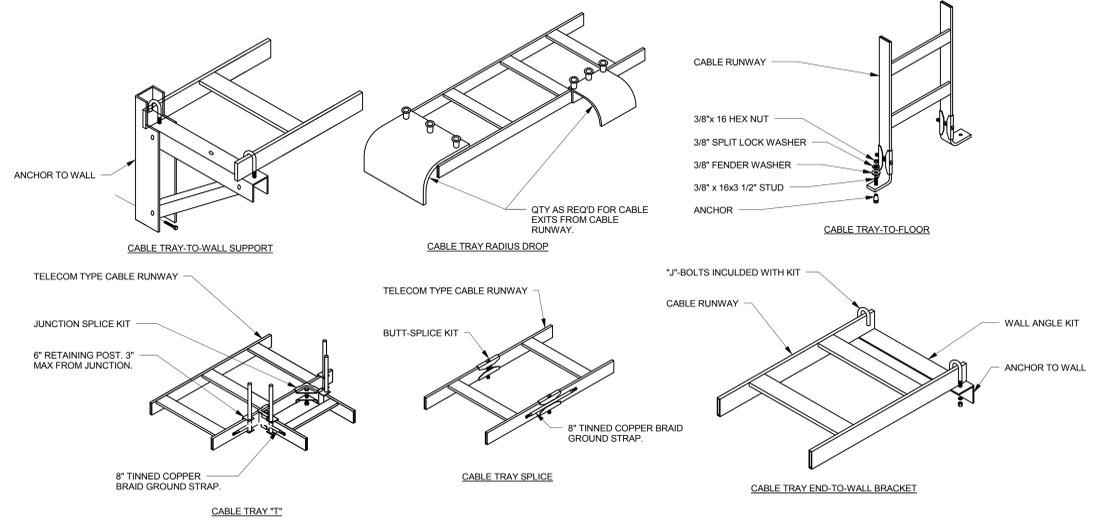
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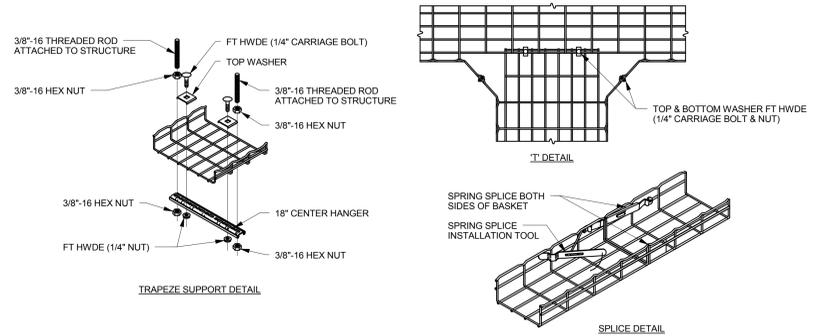
Revision Schedule	
Revision Delta	Issue Date



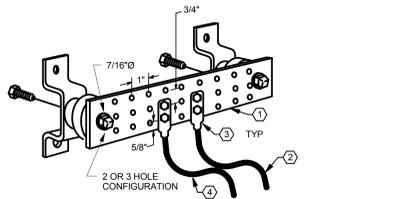
**4 CURVED J-BOX  
IN 24" LIGHT POLE BASE**  
NO SCALE



**1 LADDER RACK**  
NO SCALE



**2 WIRE BASKET TRAY**  
NO SCALE



- DETAIL KEYNOTES**
- 1 COPPER GROUND BAR, 1/4"x4"x10", HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
  - 2 3/0 BARE COPPER GROUND CONDUCTOR TO MAIN SERVICE EQUIPMENT GROUND OR TBB.
  - 3 2-HOLE LUG.
  - 4 3/0 BARE COPPER GROUND CONDUCTOR TO BUILDING STEEL.

**3 GROUNDING BAR DETAIL**  
NO SCALE

VIDEO SURVEILLANCE SCHEDULE				
W				
CAMERA ID	CAMERA TYPE	MOUNTING LOCATION	FIELD OF VIEW	AUDIO
EXTERIOR BUILDING				
E1	FIXED	POLE	PARKING	
E2	FIXED	POLE	SECURED PARKING ENTRANCE SECURITY GATE	
E3	FIXED	WALL MOUNTED @ +108° AFF	EMERG. VESTIBULE 101 ENTRY	X
E4	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
E5	FIXED	WALL MOUNTED @ +108° AFF	TRAINING/COMMUNITY RM. 170 ENTRY	
E6	FIXED	WALL MOUNTED @ +108° AFF	SALLY PORT GARAGE/ORPAT ENTRY	
E7	FIXED	WALL MOUNTED @ +108° AFF	SALLY PORT GARAGE/ORPAT ENTRY	
E8	FIXED	WALL MOUNTED @ +108° AFF	SALLY PORT GARAGE/ORPAT ENTRY	
E9	WIDE ANGLE	WALL MOUNTED @ +108° AFF	VEST/MUD ENTRY	
E11	FIXED	WALL MOUNTED @ +108° AFF	VEST/MUD ENTRY	
E12	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
E13	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
E15	FIXED	POLE	PARKING	
E16	FIXED	POLE	PARKING	
E19	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
E20	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
E21	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
E22	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
E23	FIXED	WALL MOUNTED @ +108° AFF	EXTERIOR	
INTERIOR				
B1	360-DEGREE FISH EYE	CEILING	SERVER 132	
B2	FIXED	WALL MOUNTED @ +96° AFF	BOOKING 156	X
B3	FIXED	WALL MOUNTED @ +96° AFF	BOOKING 156	
B4	FIXED	WALL MOUNTED @ +96° AFF	TEMP HOLD 160	
B5	FIXED	WALL MOUNTED @ +96° AFF	TEMP HOLD 161	
B6	FIXED	WALL MOUNTED @ +96° AFF	TEMP HOLD 162	
B7	FIXED	WALL MOUNTED @ +96° AFF	TEMP HOLD 163	
B8	FIXED	WALL MOUNTED @ +96° AFF	TEMP HOLD 164	
B9	FIXED	CEILING	CORRIDOR 169	
B10	FIXED	WALL MOUNTED @ +96° AFF	SALLY PORT GARAGE 170	X
B11	FIXED	WALL MOUNTED @ +96° AFF	LOBBY/COMM RM BREAKOUT 102	X
B12	FIXED	WALL MOUNTED @ +96° AFF	LOBBY/COMM RM BREAKOUT 102	X

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Revision Schedule	
Revision Delta	Issue Date

SHEET TITLE:  
**SCHEDULES - TECHNOLOGY**

DRAWN BY: Author

CHECKED BY: Checker

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**D9.1**

JOB NO. **2140284.02**

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Suite 1600  
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