

# Architectural Abbreviations

AB	ANCHOR BOLT	G	GAS
ABV	ABOVE	GA	GAUGE
AC	ASPHALTIC CONCRETE	GALV	GALVANIZED
ACT	ACOUSTICAL TILE	GI	GALVANIZED IRON
ACP	ASPHALTIC CONCRETE PAVING	GENL CONTR	GENERAL CONTRACTOR
ADDM	ADDENDUM	GLU LAM	GLUE LAMINATED
ADJ	ADJACENT	GYP BD	GYPSPUM BOARD
AFF	ABOVE FINISHED FLOOR	HB	HOSE BIB
AFS	ABOVE FINISHED GRADE	HD	HEAVY DUTY
AGSR	ABOVE FINISHED SLAB	HDDB	HARDBOARD
AL	ALUMINUM	HDWD	HARDWOOD
ALT	ALTERNATE	HM	HOLLOW METAL
AMB	AMBIENT	HORIZ	HORIZONTAL
AMP	AMPERE	INSTL	INSTALLATION
AMT	AMOUNT	INSUL	INSULATION
ANT	ANTENNA	INV	INVERT
ARCH	ARCHITECT	ISO	ISOMETRIC
ASSN	ASSOCIATION	JCT	JUNCTION
ASSY	ASSEMBLY	JST	JOIST
AV	AUDIO VISUAL	KO	KNOCK-OUT
AVE	AVENUE	LAM	LAMINATION
B&B	BALLED AND BURLAPPED	LAV	LAVATORY
B&L	BALANCE	L6	LENGTH
BAT	BATTERY	LL	LIVE LOAD
BD	BOARD	MAINT	MAINTENANCE
BITUM	BITUMINOUS	MAN	MANUAL
BL	BASE LINE	MAS	MASONRY
BLD	BUILDING	MATL	MATERIAL
BLKG	BLOCKING	MAX	MAXIMUM
BLST	BALLAST	MECH	MECHANICAL
BLK	BELOW	MEMB	MEMBRANE
BLVD	BOULEVARD	MET	METAL
BM	BENCH MARK	MFG	MANUFACTURING
BRG	BEARING	MH	MANHOLE
BTU	BRITISH THERMAL UNIT	MI	MALLEABLE IRON
BTUH	BRITISH THERMAL UNITS PER HOUR	MIN	MINIMUM
BU	BUILT-UP	MISC	MISCELLANEOUS
BJR	BUILT-UP ROOF	MTS	MOUNTING
CAB	CABINET	NEG	NEGATIVE
C&M PLAST	CEMENT PLASTER	NIC	NOT IN CONTRACT
CER TILE	CERAMIC TILE	NO	NUMBER
CFE	CONTRACTOR FURNISHED EQUIPMENT	NOM	NOMINAL
CHAN	CHANNEL	NTS	NOT TO SCALE
CJ	CAST IRON	OA	OVERALL
CJ	CONSTRUCTION JOINT	OD	OUTSIDE DIAMETER
CL	CENTER LINE	OD	OUTSIDE DIMENSION
CLG	CEILING	OPNG	OPENING
CLG HT	CEILING HEIGHT	OPP	OPPOSITE
CMP	CORRUGATED METAL PIPE	FNT	PAINT
CMU	CONCRETE MASONRY UNIT	FERIM	PERIMETER
CONTR	COUNTER	FERP	PERPENDICULAR
COL	COLUMN	FIV	FIRE INDICATOR VALVE
COMB	COMBINATION	FLAM	FLAMMABLE LAMINATE
CONC	CONCRETE	FLAS	PLASTER
CONF	CONFERENCE	FLYWD	PLYWOOD
CONSTR	CONSTRUCTION	FR	PAIR
CONT	CONTINUOUS	FSP	FOUNDS PER SQUARE FOOT
CONTR	CONTRACTOR	RAD	RADIUS
COORD	COORDINATE	RD	ROOF DRAIN
CPT	CARPET	REC	RECESSED
CRS	COLD ROLLED STEEL	REF	REFERENCE
DAT	DATUM	REF	REINFORCE(D) (ING) (MENT)
DEMO	DEMOLITION	REINF	ROUND HEAD MACHINE SCREW
DET	DETAIL	RHMS	ROUND HEAD WOOD SCREW
DF	DRINKING FOUNTAIN	RHS	RAILING
DIFF	DIFFERENCE	RO	ROUGH OPENING
DIM	DIMENSION	RKL	RAIN WATER LEADER
DISP	DISPENSER	RUB	RUBBER BASE
DL	DEAD LOAD	SAN	SANITARY
DN	DOWN	SCHED	SCHEDULE
DN	DRAIN	SECT	SECTION
DNG	DRAWINGS	SHT	SHEET(ING)
EM	EXISTING MASONRY	SIM	SIMILAR
ELEV	ELEVATION	SPEC	SPECIFICATION
ELECT	ELECTRICAL	SQ	SQUARE
ELEV	ELEVATOR	SQ FT	SQUARE FOOT
ERECT	ERECTION	SS	SANITARY SEWER
EST	ESTIMATE	STC	SOUND TRANSMISSION CLASS
EXT	EXCAVATE	STD	STANDARD
FA	FIRE ALARM	STL	STEEL
FC	FOOT CANDLE	STRUC	STRUCTURAL
FD	FLOOR DRAIN	SURF	SURFACE
FDN	FOUNDATION	SUSP	SUSPENDED
FEK	FIRE EXTINGUISHER CABINET	T&B	TOP AND BOTTOM
FHC	FIRE HOSE CABINET	T&G	TONGUE AND GROOVE
FHMS	FLAT HEAD MACHINE SCREW	TEL	TELEPHONE
FHNS	FLAT HEAD WOOD SCREW	TEMP	TEMPORARY
FIN	FINISH	THK	THICKNESS
FIN FLR	FINISH FLOOR	THRU	THROUGH
FIN GR	FINISH GRADE	TOL	TOLERANCE
FL	FLASHING	TYP	TYPICAL
FLR	FLOOR(ING)	UNIV	UNIVERSAL
FLR FIN	FLOOR FINISH	UR	URINAL
FOC	FACE OF CONCRETE	VCT	VINYL COMPOSITION TILE
FOF	FACE OF FINISH	VERT	VERTICAL
FOM	FACE OF MASONRY	VEST	VESTIBULE
FFM	FEET PER MINUTE	VOL	VOLUME
FS	FLOOR SINK	W	WITH
FTG	FOOTING	WO	WITHOUT
FURN	FURNITURE	WC	WATER CLOSET
		WD	WIDTH
		WD	WOOD
		WDW	WINDOW
		WR	WATER RESISTANT
		WT	WEIGHT

# CITY OF BUCKEYE

# SKYLINE REGIONAL

# PARK PHASE 1

# GATE HOUSE, RAMADA AND RESTROOM BUILDING BUCKEYE, ARIZONA

# Sheet Index

ARCHITECTURAL	
A1.1	PROJECT DATA
A1.2	ARCHITECTURAL SITE PLAN
A2	FLOOR PLANS
A3.1	DOOR AND WINDOW SCHEDULE
A3.2	DOOR DETAILS
A3.3	WINDOW, LOUVER AND VENT DETAILS
A5	CEILING PLANS
A6	ROOF PLANS
AT1	EXTERIOR ELEVATIONS- GATE HOUSE
AT2	EXTERIOR ELEVATIONS- RAMADA
AT3	EXTERIOR ELEVATIONS- RESTROOM
A8.1	BUILDING SECTIONS- GATE HOUSE AND RAMADA
A8.2	BUILDING SECTIONS- RESTROOM
A10	INTERIOR ELEVATIONS

STRUCTURAL	
S1.1	GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS T1 THRU T20
S2.1	FOUNDATION, FRAMING PLANS AND SCHEDULES
S3.1	FOUNDATION DETAILS 101 THRU 120
S4.1	FRAMING DETAILS 201 THRU 220

MECHANICAL	
M1	MECHANICAL PLAN- RESTROOM AND GATE HOUSE AND SCHEDULE

PLUMBING	
P1	PLUMBING PLAN- RESTROOM AND GATE HOUSE AND SCHEMATIC
P2	PLUMBING FIXTURE SPECIFICATIONS AND DETAILS

ELECTRICAL	
E000	ELECTRICAL SYMBOLS AND SCHEDULES
E100	ELECTRICAL PLANS
E200	PHOTOVOLTAIC SYSTEM, THREE-LINE DIAGRAM

## Project Information

ALL CONSTRUCTION WITHIN THE CITY OF BUCKEYE, ARIZONA SHALL COMPLY WITH THE FOLLOWING CODES AND AMENDMENTS PER THEIR ADOPTING ORDINANCES.

2012	INTERNATIONAL BUILDING CODE (IBC)	2012	INTERNATIONAL FIRE CODE (IFC)
2012	INTERNATIONAL MECHANICAL CODE (IMC)	2012	INTERNATIONAL PLUMBING CODE (IPC)
2012	INTERNATIONAL FUEL GAS CODE (IFGC)	2011	NATIONAL ELECTRICAL CODE (NEC)
2012	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2003	ICC/ANSI A117.1

NUMBER OF FLOORS :	ONE
BUILDING :	GROSS BUILDING AREA (G.B.A.)
1. GATE HOUSE	224 SQ. FT.
2. RAMADA	204 SQ. FT.
3. RESTROOM BUILDING	564 SQ. FT.
BUILDING COVERED AREAS / PROJECTIONS	TOTAL
	136 SQ. FT.
	211 SQ. FT.
	350 SQ. FT.
	365 SQ. FT.
	420 SQ. FT.
	927 SQ. FT.

BUILDING OCCUPANCY CLASSIFICATION : (CHAPTER 3)	BUSINESS - B (SECTION 304) :	BUSINESS, OFFICE AND STORAGE
	MODERATE-HAZARD STORAGE - 5-1 (SECTION 311)	NET CELL BATTERY STORAGE

OCCUPANTS PER CLASSIFICATION : (PER EXIT REQ. SHEET A2)	NUMBER OF OCCUPANTS	TOTAL
OCCUPANCY	GATE HOUSE = 2 OCC., RAMADA = 0 OCC., RESTROOM BUILDING = 1 OCC.	3 OCCUPANTS
BUSINESS - B	GATE HOUSE = 1 OCC., RAMADA = 0 OCC., RESTROOM BUILDING = 1 OCC.	2 OCCUPANTS
MODERATE-HAZARD STORAGE - 5-1		

OCCUPANCY SEPARATION: (TABLE 508.4)	NON-SEPERATED AT B OCC. / 5-1 OCC.
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CONSTRUCTION TYPE: (SECTION 602.5 / TABLE 601)	V-B
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AUTOMATIC SPRINKLER SYSTEM:	EXEMPT (SECTION 903.3.1.1.1, ITEM 2)
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FIRE ALARM SYSTEM:	NONE
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EMERGENCY LIGHTING:	NONE
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## Project Team

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PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**PROJECT DATA**

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COB PERMITTING APPROVED SEAL

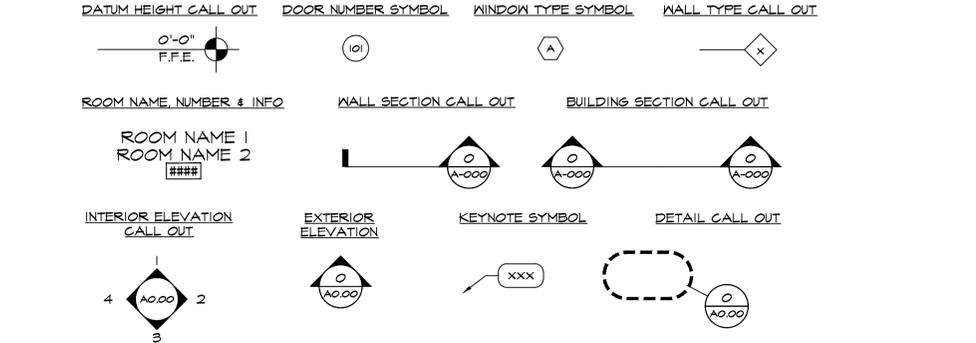
AS-BUILT SEAL

DESIGN SEAL  


ORIGINAL PLAN DATE  
**01/21/15**

PROJECT No. **312043** SHEET ID. **A** SHEET No. **1.1** OF **14**

## Architectural Tags and Symbols

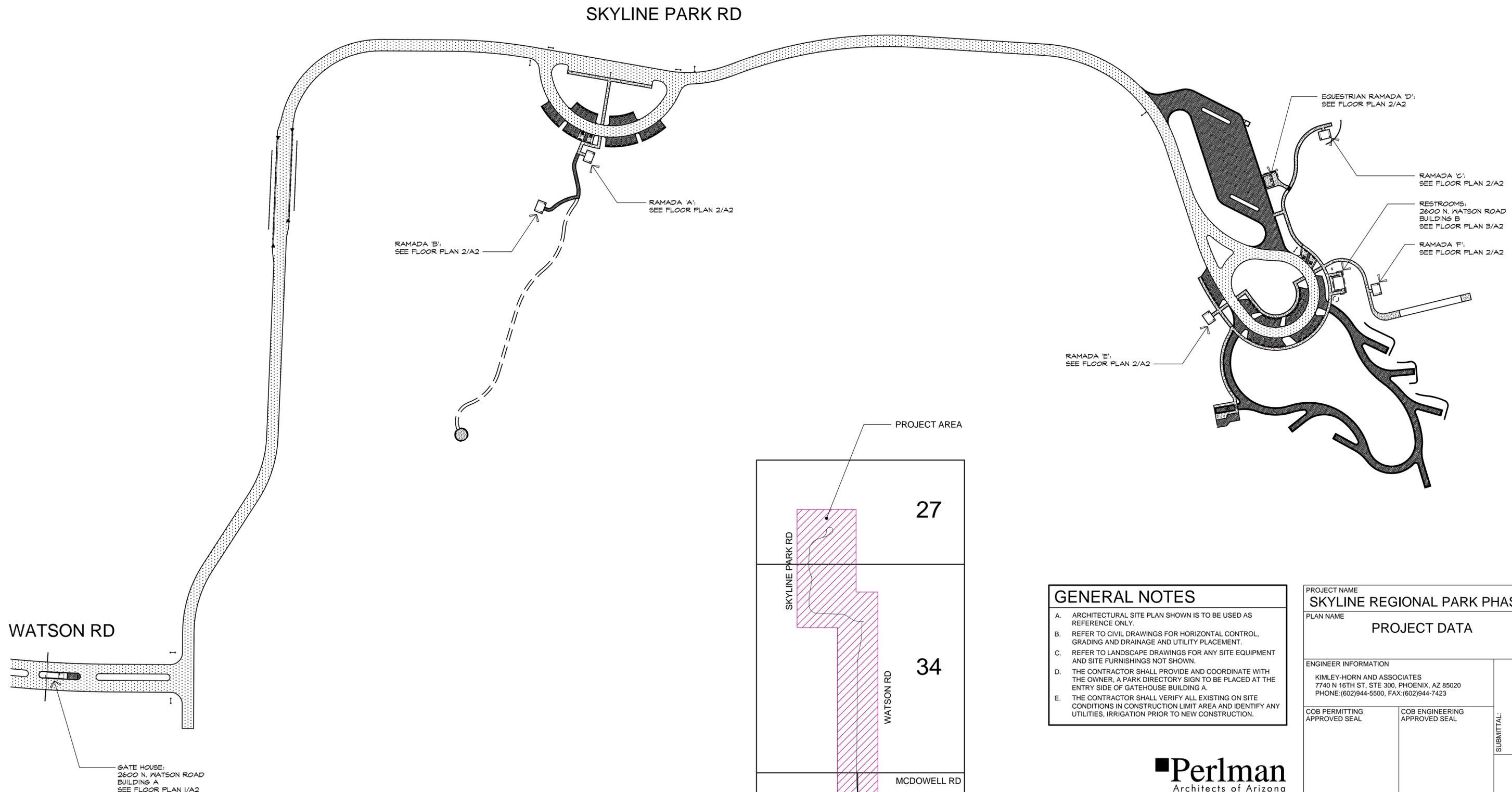


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2	
3	

SUBMITTAL: FIRST REVIEW

COB PERMIT # **ENG-13-00317**



- GENERAL NOTES**
- A. ARCHITECTURAL SITE PLAN SHOWN IS TO BE USED AS REFERENCE ONLY.
  - B. REFER TO CIVIL DRAWINGS FOR HORIZONTAL CONTROL, GRADING AND DRAINAGE AND UTILITY PLACEMENT.
  - C. REFER TO LANDSCAPE DRAWINGS FOR ANY SITE EQUIPMENT AND SITE FURNISHINGS NOT SHOWN.
  - D. THE CONTRACTOR SHALL PROVIDE AND COORDINATE WITH THE OWNER. A PARK DIRECTORY SIGN TO BE PLACED AT THE ENTRY SIDE OF GATEHOUSE BUILDING A.
  - E. THE CONTRACTOR SHALL VERIFY ALL EXISTING ON SITE CONDITIONS IN CONSTRUCTION LIMIT AREA AND IDENTIFY ANY UTILITIES, IRRIGATION PRIOR TO NEW CONSTRUCTION.

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PROJECT NAME <b>SKYLINE REGIONAL PARK PHASE 1</b>	
PLAN NAME <b>PROJECT DATA</b>	
ENGINEER INFORMATION KIMLEY-HORN AND ASSOCIATES 7740 N 16TH ST, STE 300, PHOENIX, AZ 85020 PHONE:(602)944-5500, FAX:(602)944-7423	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL <i>Mark</i> 25759 KENNETH W. POWERS Date Signed 2/23/15 ARIZONA, U.S.A. EXPIRES: 12-31-2015
ORIGINAL PLAN DATE 01/21/15	LATEST REVISION DATE
PROJECT No. 312043	SHEET ID. A
SHEET No. 1.2 OF 14	

**1 ARCHITECTURAL SITE PLAN**  
 SCALE: 1" = 100'-0"

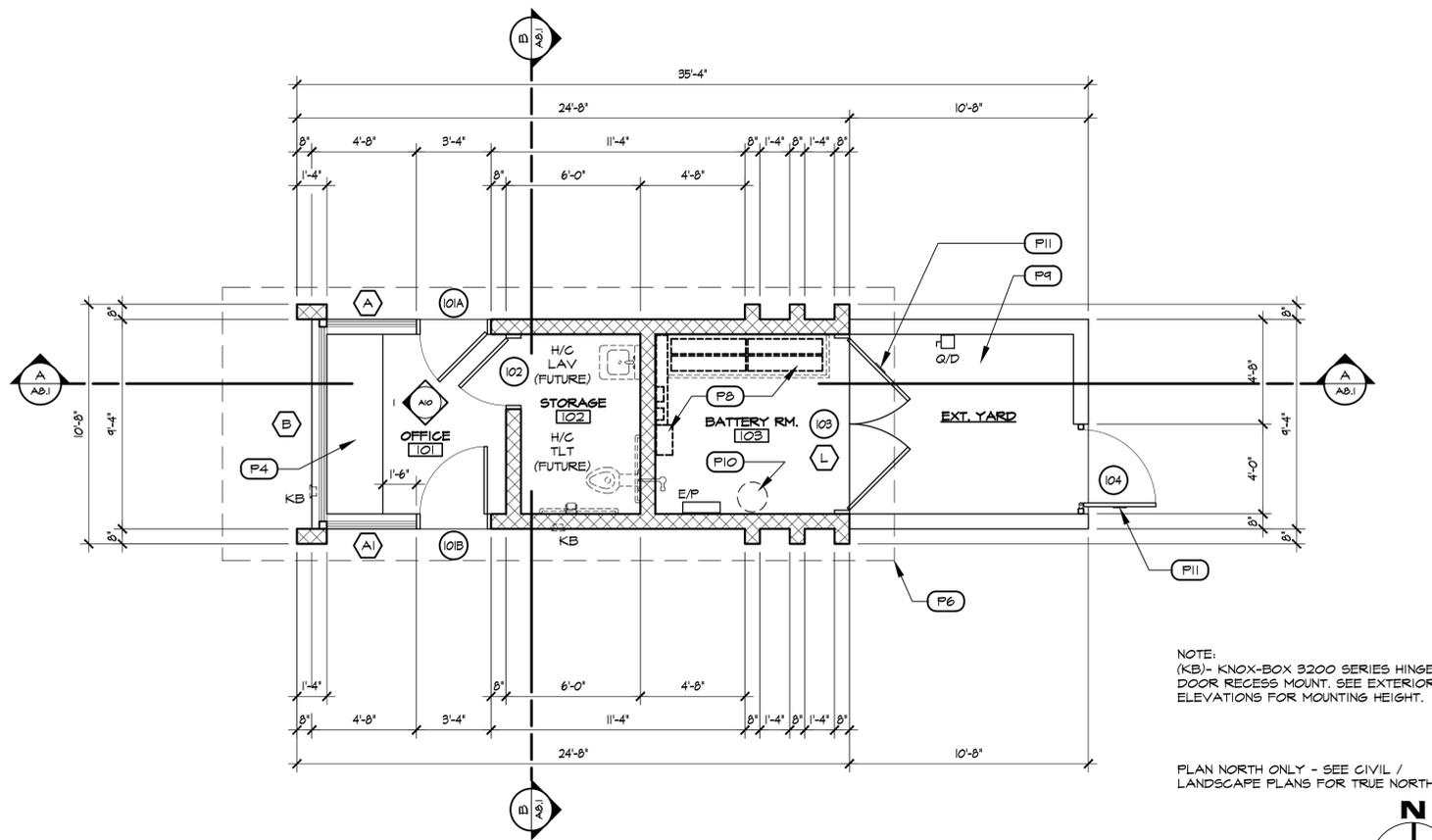
**VICINITY MAP**  
 SCALE: N.T.S.

SUBMITTAL: FIRST REVIEW

COB PLAN TRACKING #

COB PERMIT #

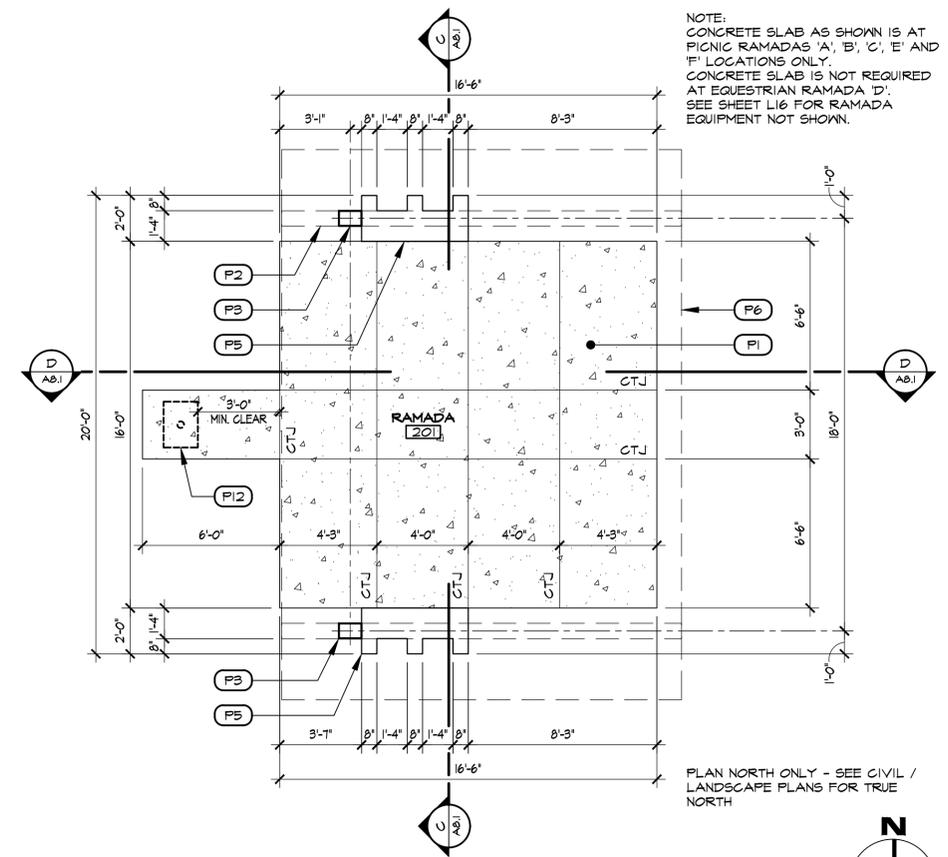
**ENG-13-00317**



NOTE:  
(KB)- KNOX-BOX 3200 SERIES HINGED DOOR RECESS MOUNT. SEE EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT.

PLAN NORTH ONLY - SEE CIVIL / LANDSCAPE PLANS FOR TRUE NORTH

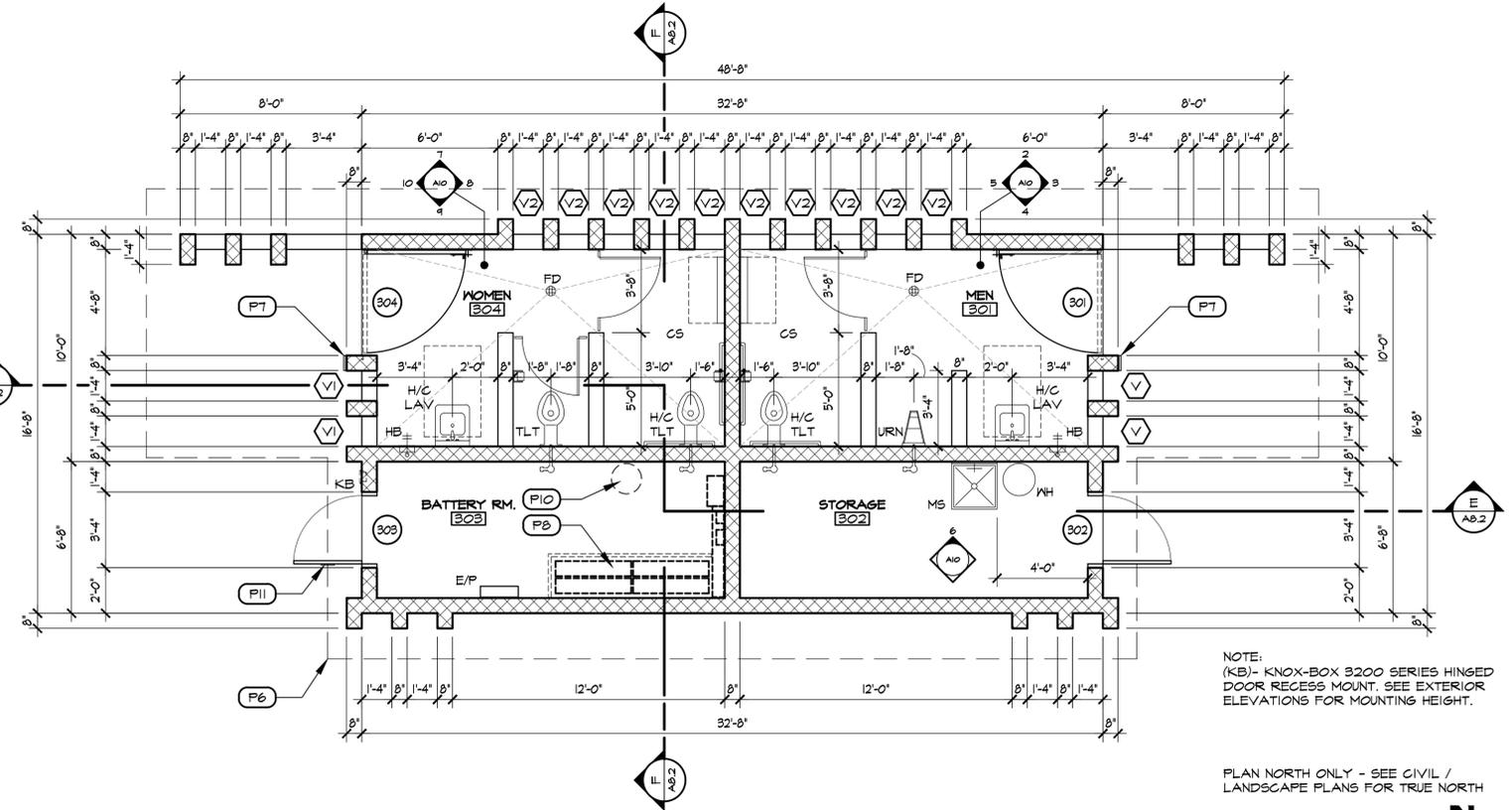
**1 GATE HOUSE FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



NOTE:  
CONCRETE SLAB AS SHOWN IS AT PICNIC RAMADAS 'A', 'B', 'C', 'E' AND 'F' LOCATIONS ONLY.  
CONCRETE SLAB IS NOT REQUIRED AT EQUESTRIAN RAMADA 'D'.  
SEE SHEET L16 FOR RAMADA EQUIPMENT NOT SHOWN.

PLAN NORTH ONLY - SEE CIVIL / LANDSCAPE PLANS FOR TRUE NORTH

**2 RAMADA FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



NOTE:  
(KB)- KNOX-BOX 3200 SERIES HINGED DOOR RECESS MOUNT. SEE EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT.

PLAN NORTH ONLY - SEE CIVIL / LANDSCAPE PLANS FOR TRUE NORTH

**3 RESTROOM FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

**FLOOR NOTES**

XX	DESCRIPTION:
P1	CONCRETE SLAB ON GRADE. SEE STRUCTURAL AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION NOT SHOWN. OMIT SLAB ON GRADE AT EQUESTRIAN RAMADA LOCATION ONLY. PROVIDE FINISHED GRADE. SEE LANDSCAPE DRAWINGS.
P2	STEEL OVERHEAD FRAMING (SHOWN DASHED). SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
P3	STEEL COLUMN. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
P4	STAINLESS STEEL 30" D. WORK SURFACE AND INTEGRAL FASCIA WITH EASED EDGE. TOP OF SURFACE AT 2'-6" A.F.F.
P5	CONCRETE MASONRY UNIT (CMU) CONSTRUCTED BENCH WITH 1/8" STEEL CAP (HOLD 3/4" FROM UNIT EDGE) EMBED INTO SOLID GROUT WITH NELSON STUDS. CLEAR SEAL FINISH. OUTLINE OF ROOF ABOVE (SHOWN DASHED).
P6	ACCESSIBLE SIGN AT LATCH SIDE OF DOOR. SEE DETAIL 20/A3.2.
P8	SEE ELECTRICAL DRAWINGS FOR BATTERY / PHOTOVOLTAIC EQUIPMENT LOCATIONS (SHOWN DASHED).
P9	SEE MECHANICAL DRAWINGS FOR EXTERIOR YARD MECHANICAL EQUIPMENT LOCATIONS (NOT SHOWN).
P10	SELF-CONTAINED 15 GAL. PORTABLE EYEWASH/DRENCH HOSE UNIT (SHOWN DASHED). MFR: GUARDIAN EQUIPMENT, MODEL G1562
P11	NFPA NO. 704 HAZARD IDENTIFICATION PLACARD. SEE DOOR SCHEDULE AND EXTERIOR ELEVATIONS.
P12	PEDESTAL GRILL. SEE LANDSCAPE DRAWINGS.

**EXIT REQUIREMENTS**

TOTAL OCCUPANTS PER SPACE:

- GATE HOUSE
  - OFFICE 101 - B OCCUPANCY, 64 S.F. / 100 GROSS = 1 OCC.
  - STORAGE 102 - B OCCUPANCY, 43 S.F. / 300 GROSS = 1 OCC.
  - BATTERY RM. - S-1 OCCUPANCY, 64 S.F. / 300 GROSS = 1 OCC.
- RAMADA
  - RAMADA 201 - NO OCCUPANCY, NO OCCUPANTS
- RESTROOM BUILDING
  - MEN 301 - NO OCCUPANCY, NO OCCUPANTS
  - STORAGE 302 - B OCCUPANCY, 92 S.F. / 300 GROSS = 1 OCC.
  - BATTERY RM. 303 - S-1 OCCUPANCY, 92 S.F. / 300 GROSS = 1 OCCUPANT
  - WOMEN 304 - NO OCCUPANCY, NO OCCUPANTS

NO SEPARATION IS REQUIRED BETWEEN MIXED OCCUPANCY PER IBC TABLE 508.4

MIN. NUMBER OF EXITS FOR OCCUPANT LOAD: (IBC TABLE 1015.1)

- GATE HOUSE = 3 OCCUPANTS
- RAMADA = NO OCCUPANTS
- RESTROOM BUILDING = 2 OCCUPANTS

REQUIRED EXITS	PROVIDED EXITS
1. 1	2
2. NONE	
3. 1	2

**LEGEND**

- (102) DOOR TYPE. SEE DOOR SCHEDULE
- (A) WINDOW TYPE. SEE WINDOW SCHEDULE

**GENERAL NOTES**

A. IF ANY DISCREPANCIES OCCUR PRIOR TO / DURING NEW CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING PRIOR TO START / COMPLETION OF THE WORK. IF WORK HAS BEEN COMPLETED PRIOR TO APPROVALS, THE CONTRACTOR SHALL BE LIABLE FOR SUCH CONSTRUCTION / REPAIRS.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**FLOOR PLANS**

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COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL  
DESIGN SEAL

ORIGINAL PLAN DATE  
01/21/15

LATEST REVISION DATE

PROJECT No.  
312043

SHEET ID.  
A

SHEET No.  
2 OF 14



REVISIONS:

1	
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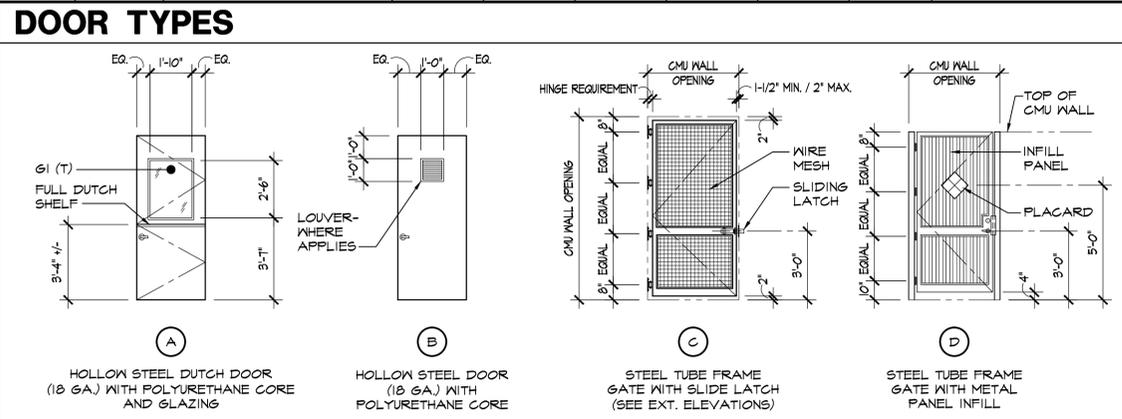
SUBMITTAL: FIRST REVIEW

COB PLAN TRACKING #

COB PERMIT #

**ENG-13-00317**

DOOR SCHEDULE SEE 21/A3.2 FOR DOOR HARDWARE SETS									
DOOR NUMBER	DOOR		MAT'L	HEAD	FRAME			HARDWARE SET	REMARKS
	TYPE	W x H			JAMB	THRESHOLD	JAMB		
101A	A	PAIR 3'-0" x 7'-2"	ALUM.	6/A3.2	10/A3.2	11/A3.2	18/A3.2	AL-01	
101A	A	PAIR 3'-0" x 7'-2"	ALUM.	6/A3.2	11/A3.2	10/A3.2	18/A3.2	AL-01	
102	B	3'-0" x 7'-2"	STL.	9/A3.2	15/A3.2	14/A3.2	-	01	
103	B	FR. 3'-10" x 7'-10"	STL.	7/A3.2	12/A3.2	12/A3.2	19/A3.2	02	(6) (8)
104	D	OPENING: 4'-0" x 7'-6" +/-	STL.	-	17/A3.2	16/A3.2	-	6-01	(5) (8)
301	C	OPENING: 4'-0" x 8'-0"	STL.	1/A3.1	4/A3.1	2, 3/A3.1	-	6-02	(1) (2) (3)
302	B	3'-0" x 7'-10"	STL.	8/A3.2	13/A3.2	13/A3.2	19/A3.2	03	(4)
303	B	3'-0" x 7'-10"	STL.	8/A3.2	13/A3.2	13/A3.2	19/A3.2	03	(4) (6) (7) (8)
304	C	OPENING: 4'-0" x 8'-0"	STL.	1/A3.1	2, 3/A3.1	4/A3.1	-	6-02	(1) (2) (3)



**DOOR TYPES**

(A) HOLLOW STEEL DUCT DOOR (18 GA.) WITH POLYURETHANE CORE AND GLAZING

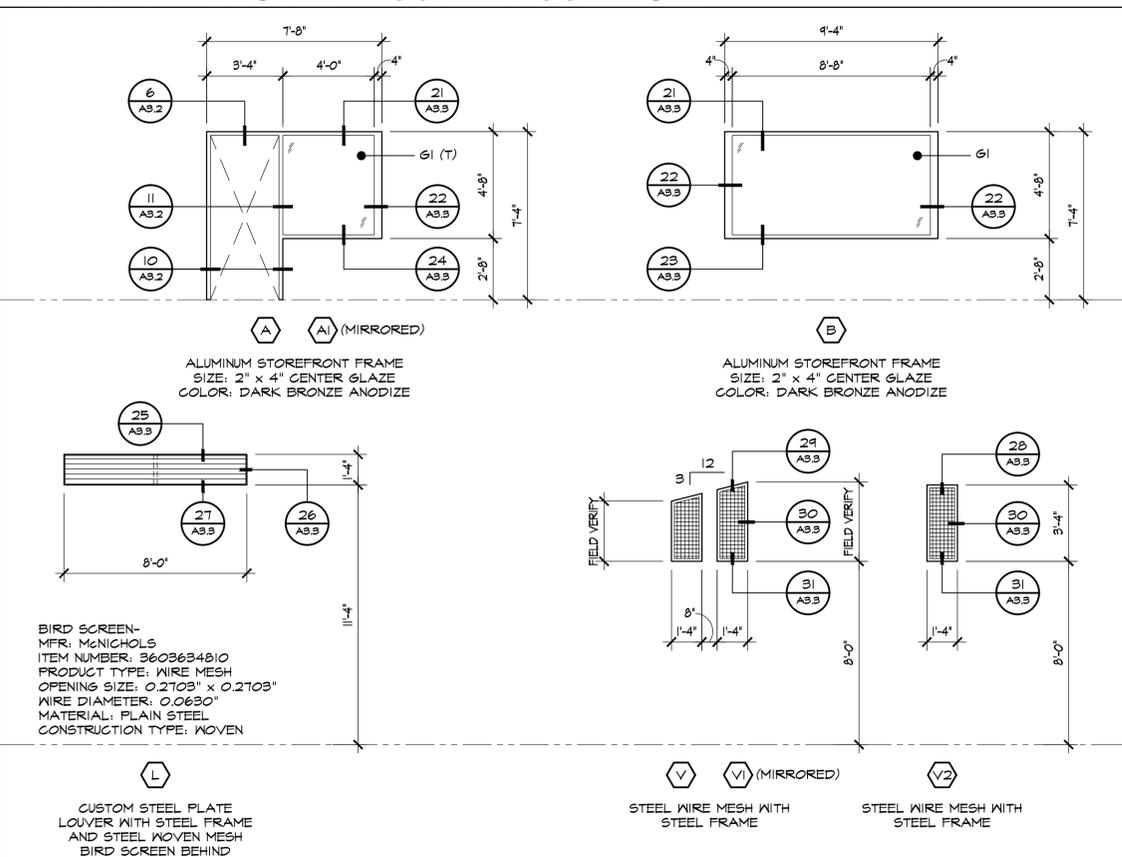
(B) HOLLOW STEEL DOOR (18 GA.) WITH POLYURETHANE CORE

(C) STEEL TUBE FRAME GATE WITH SLIDE LATCH (SEE EXT. ELEVATIONS)

(D) STEEL TUBE FRAME GATE WITH METAL PANEL INFILL

- REMARKS**
- PROVIDE A LEGIBLE SIGN AT EXTERIOR SIDE OF DOOR DESIGNATING THE SEX IN A READILY VISIBLE LOCATION NEAR THE ENTRANCE TO TOILET FACILITY. SIGNS FOR ACCESSIBLE TOILET FACILITIES SHALL COMPLY WITH ICC A117.1. (PER IBC [P] 2402.5, SIGNAGE). SEE DETAIL 20/A3.2.
  - ALL HARDWARE IS TO BE PROVIDED BY THE DOOR MFR./SUPPLIER.
  - STEEL GATE WILL BE LATCHED OPEN OR CLOSED WITH A PAD LOCK WHICH WILL BE DETERMINED AND OPERATED BY THE CITY OF BUCKEYE AND RECREATION DEPARTMENT. THERE WILL BE NO OPERATION OF THESE GATES BY THE PUBLIC.
  - PROVIDE STANDING SEAM METAL WALL PANEL SYSTEM OVER DOOR AT EXTERIOR SIDE. PANEL SEAMS TO LINE-UP WITH ADJACENT STANDING SEAM METAL WALL PANEL SYSTEM, SEE EXTERIOR ELEVATIONS.
  - METAL PANEL INFILL - MFR: WESTERN STATES METAL ROOFING PANEL: WESTERN RIB (24 GA.) COLOR: FRESH RUST
  - PROVIDE A LEGIBLE SIGN AT EXTERIOR SIDE OF DOOR UNDER HAZARD IDENTIFICATION PLACARD DESIGNATING THAT THE ROOM CONTAINS LEAD ACID BATTERY SYSTEM, CONTAINS ENERGIZED ELECTRICAL CIRCUITS AND ELECTROLYTE SOLUTIONS ARE CORROSIVE LIQUID.
  - PROVIDE VANDAL RESISTANT LOUVER, SEE DOOR TYPE.
  - PROVIDE NFPA NO. 704 HAZARD IDENTIFICATION PLACARD AFFIXED TO EXTERIOR SIDE OF DOOR. PROVIDE 14 GA. METAL BACKING PLATE ATTACHED TO INFILL PANEL AT GATE 104 ONLY. VERIFY RATINGS.

**WINDOW / LOUVER / SCREEN SCHEDULE**



FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL FINISH				CEILING	REMARKS
				NORTH	EAST	SOUTH	WEST		
101	OFFICE	F-2	B-1	W-1 / O-1	W-1	W-1 / O-1	W-1 / O-1	C-1, C-2	
102	STORAGE	F-2	B-1	W-1	W-1	W-1	W-1 / O-1	C-1, C-2	
103	BATTERY ROOM	F-1	B-1	W-1	W-1 / O-1	W-1	W-1	C-1, C-2	
-	EXTERIOR YARD	F-4	B-1	W-2	W-2 / O-1	W-2	W-2 / O-1	-	
201	RAMADA	F-4	-	-	-	-	-	C-1, C-2	
301	MEN	F-3	B-1	W-2 / O-2	W-2 / O-1,2	W-2	W-2	C-1, C-2	(A)
302	STORAGE	F-2	B-1	W-1	W-1 / O-1	W-1	W-1	C-1, C-2	
303	BATTERY ROOM	F-1	B-1	W-1	W-1	W-1	W-1 / O-1	C-1, C-2	
304	WOMEN	F-3	B-1	W-2 / O-2	W-2	W-2	W-2 / O-1,2	C-1, C-2	(A)

**ROOM FINISH LEGEND**

MARK	DESCRIPTION	MARK	DESCRIPTION
F-1	EXPOSED CONCRETE, FLOAT SURFACE WITH ACID RESISTANT EPOXY-BASED COATING. MFR: CHEMCO SYSTEMS TYPE: CCS COATING (NOVOLAC EPOXY COATING) COLOR: GRAY	C-1	EXPOSED GALV. STEEL ROOF DECK
F-2	EXPOSED CONCRETE, FLOAT SURFACE WITH SEALER	C-2	EXPOSED STEEL ROOF FRAMING MEMBERS
F-3	EXPOSED CONCRETE, 1/4"-3/8" GRIND WITH MIN. 50% CUT EXPOSED AGGREGATE WITH SEALER/HARDENER		
F-4	EXPOSED CONCRETE (EXTERIOR), MEDIUM BROOM FINISH		
B-1	NO BASE		
W-1	EXPOSED CONCRETE MASONRY UNITS		
W-2	EXPOSED CONCRETE MASONRY UNITS WITH ANTI-GRAFFITI COATING. MFR: AMERICAN POLYMER CORP. TYPE: GAFITTI SOLUTION SYSTEM FINISH: CLEAR WITH FLAT APPEARANCE		
O-1	DOOR / GLAZING UNIT AS SCHEDULED		
O-2	LOUVER / METAL SCREEN AS SCHEDULED		

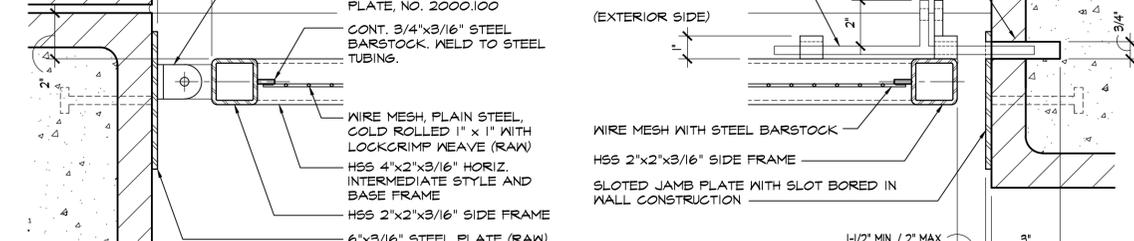
**REMARKS**

(A) SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION FOR CONCRETE PREPARATION PRIOR TO GRINDING FLOOR SURFACE.

**GLASS TYPE**

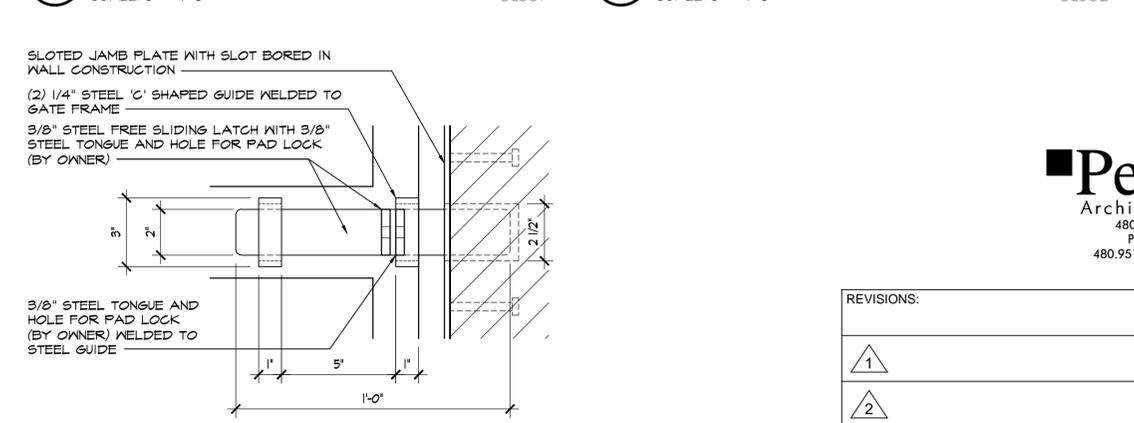
G1 1/4" GLASS UNIT MFR: OLD CASTEL COLOR: PPG SOLAR BRONZE

(T) DENOTED TEMPERED SAFETY GLASS TO BE USED. (PER IBC SECTION 2406.3, HAZARDOUS LOCATIONS)

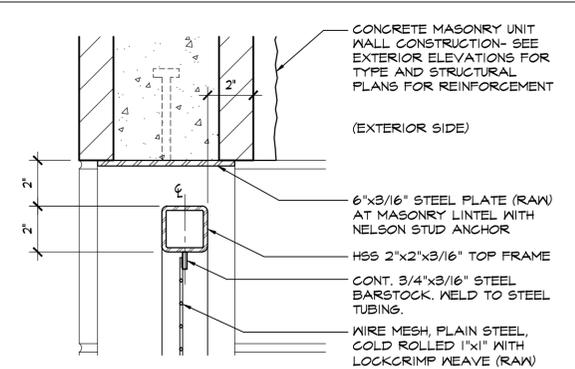


**3 GATE JAMB** SCALE: 3" = 1'-0" 65J001

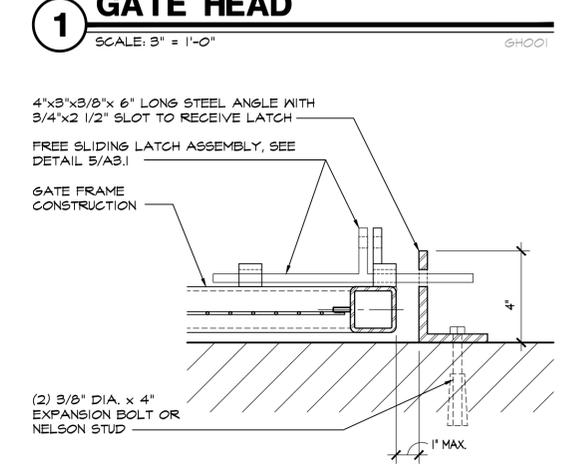
**4 GATE JAMB- CLOSED** SCALE: 3" = 1'-0" 65J002



**5 SLIDING LATCH** SCALE: 3" = 1'-0" 65L001



**1 GATE HEAD** SCALE: 3" = 1'-0" 6H001



**2 GATE JAMB- OPEN** SCALE: 3" = 1'-0" 6J003

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**DOOR AND WINDOW SCHEDULE**

ENGINEER INFORMATION  
KIMLEY-HORN AND ASSOCIATES  
7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
PHONE:(602)944-5500, FAX:(602)944-7423

COB PERMITTING APPROVED SEAL

COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL

DESIGN SEAL

ORIGINAL PLAN DATE  
01/21/15

LATEST REVISION DATE

PROJECT No.  
312043

SHEET ID.  
A

SHEET No.  
3.1 OF 14

PERMIT TRACKING #  
ENG-13-00317

EXPIRES: 12-31-2015

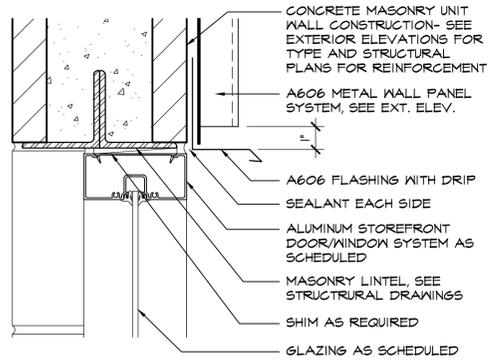
25759  
KENNETH W. POWERS  
Date Sealed 2/9/15  
ARIZONA, U.S.A.

**Perlman**  
Architects of Arizona  
4808 N. 24th Street Ste, 100  
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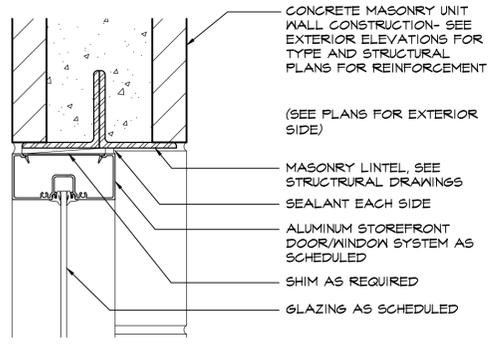
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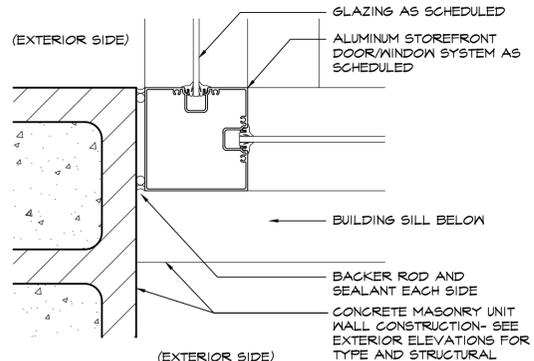
**20 WINDOW HEAD**  
SCALE: 3" = 1'-0"

Alum-Head-CMU001



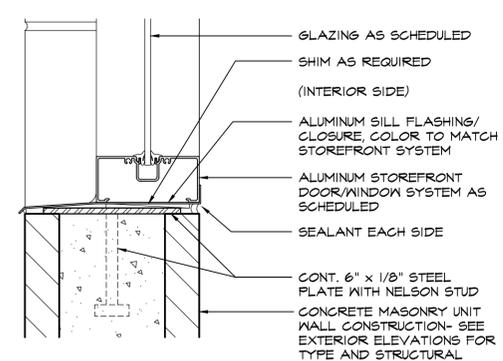
**21 WINDOW HEAD**  
SCALE: 3" = 1'-0"

Alum-Head-CMU002



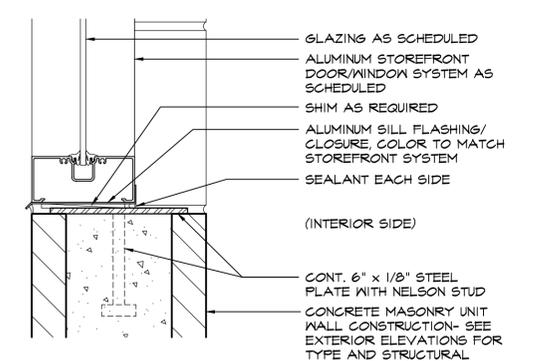
**22 WINDOW JAMB**  
SCALE: 3" = 1'-0"

Alum-Jamb-CMU001



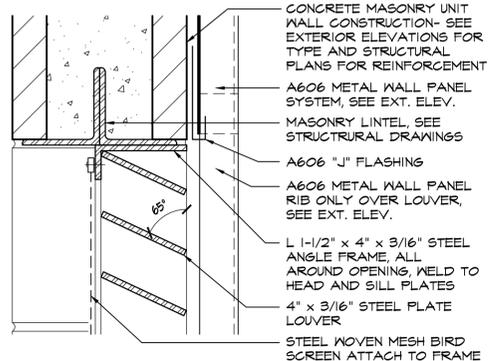
**23 WINDOW SILL**  
SCALE: 3" = 1'-0"

Alum-Sill-CMU001



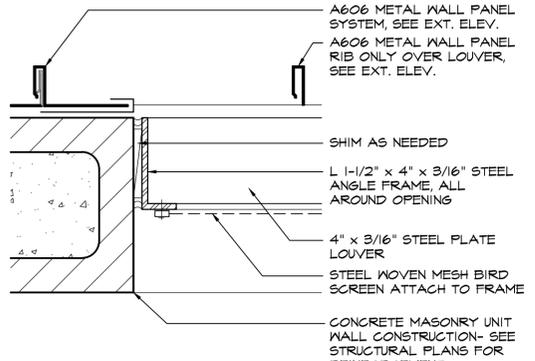
**24 WINDOW SILL**  
SCALE: 3" = 1'-0"

Alum-Sill-CMU002



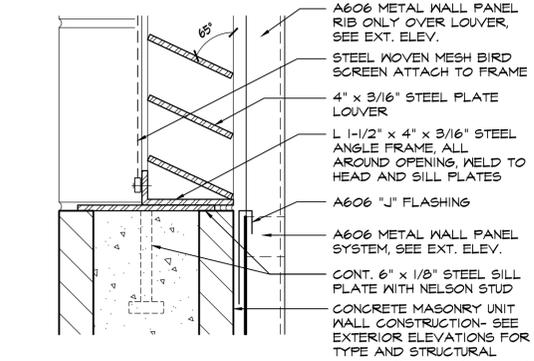
**25 LOUVER HEAD**  
SCALE: 3" = 1'-0"

LH001



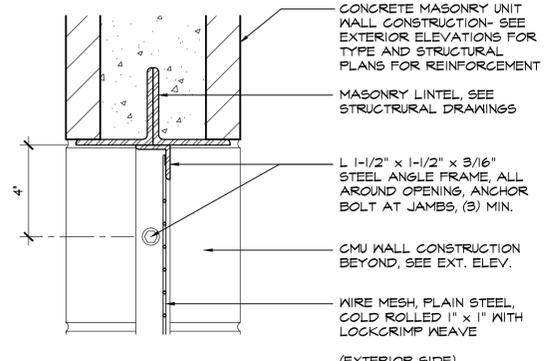
**26 LOUVER JAMB**  
SCALE: 3" = 1'-0"

LJ001



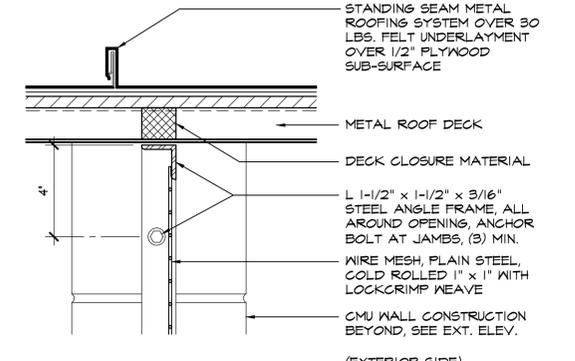
**27 LOUVER SILL**  
SCALE: 3" = 1'-0"

LS001



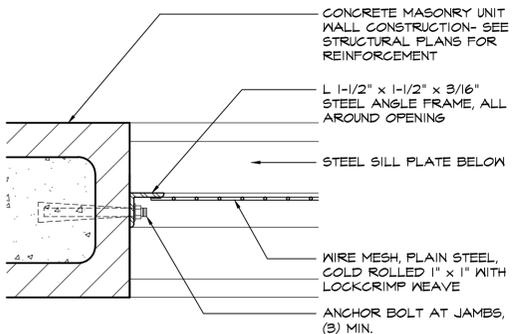
**28 VENT HEAD**  
SCALE: 3" = 1'-0"

VH001



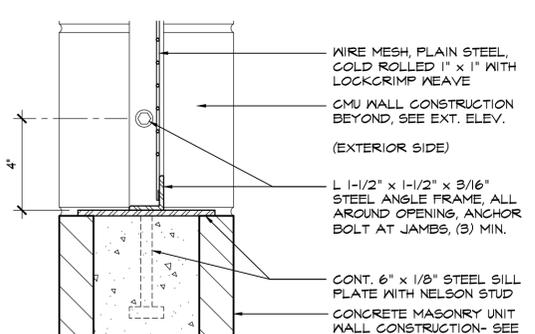
**29 VENT HEAD**  
SCALE: 3" = 1'-0"

VH002



**30 VENT JAMB**  
SCALE: 3" = 1'-0"

VJ001



**31 VENT SILL**  
SCALE: 3" = 1'-0"

VS001

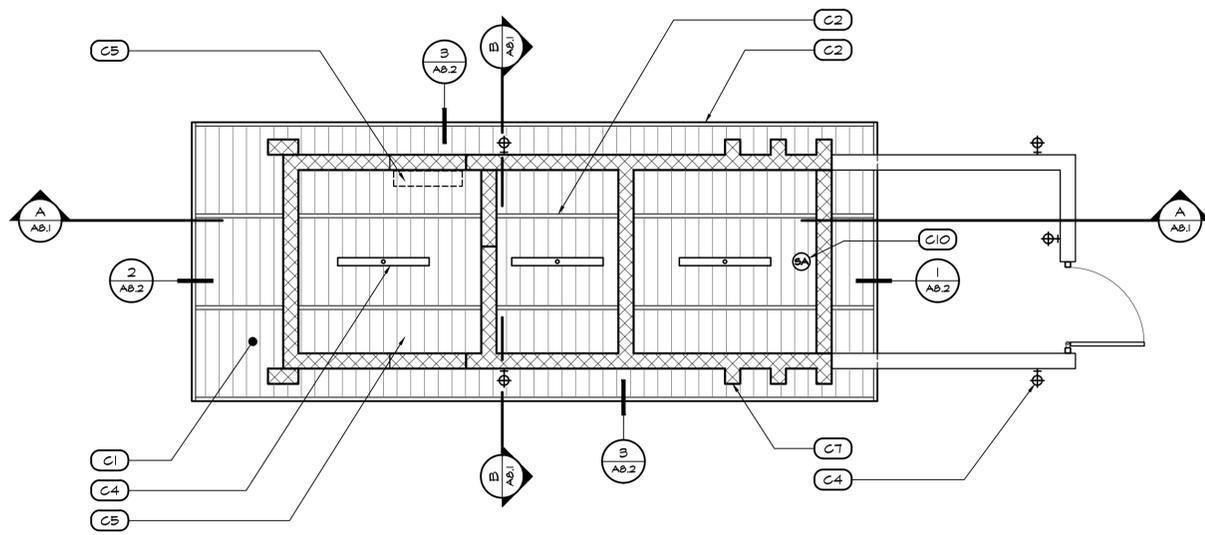
**Perlman**  
Architects of Arizona  
4808 N. 24th Street Ste, 100  
Phoenix, Arizona 85016  
480.951.5900 480.951.3045 f  
perlmanaz.com

REVISIONS:	
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3	

PROJECT NAME <b>SKYLINE REGIONAL PARK PHASE 1</b>	
PLAN NAME <b>WINDOW, LOUVER AND VENT DETAILS</b>	
ENGINEER INFORMATION KIMLEY-HORN AND ASSOCIATES 7740 N 16TH ST, STE 300, PHOENIX, AZ 85020 PHONE:(602)944-5500, FAX:(602)944-7423	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL 
ORIGINAL PLAN DATE <b>01/21/15</b>	LATEST REVISION DATE
PROJECT No. <b>312043</b>	SHEET ID. <b>A</b>
SHEET No. <b>3.3 OF 14</b>	

SUBMITTAL: FIRST REVIEW

COB PLAN TRACKING #  
COB PERMIT #  
**ENG-13-00317**



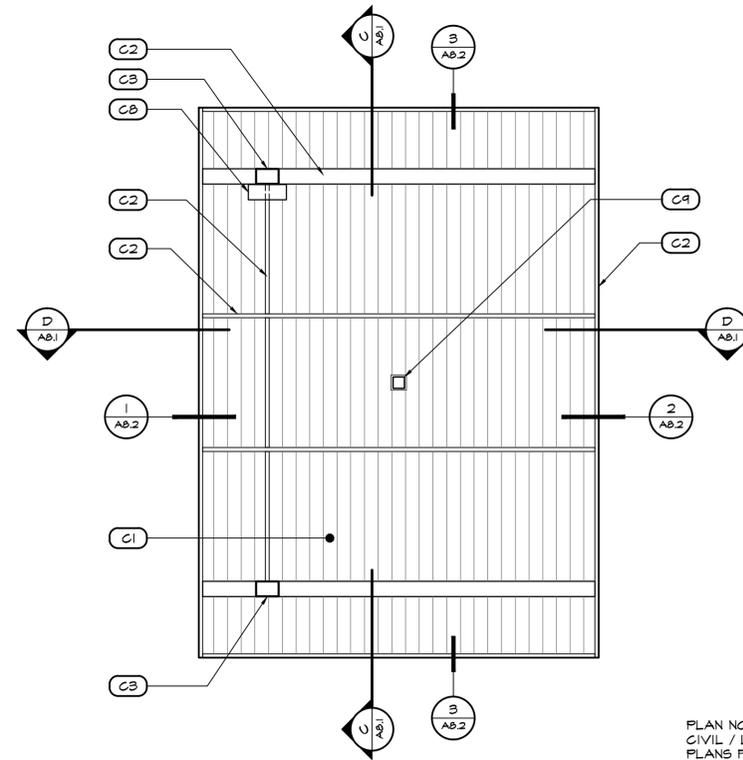
PLAN NORTH ONLY - SEE CIVIL /  
LANDSCAPE PLANS FOR TRUE NORTH



### 1 GATE HOUSE CEILING PLAN

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

CeilingPlan-Ann



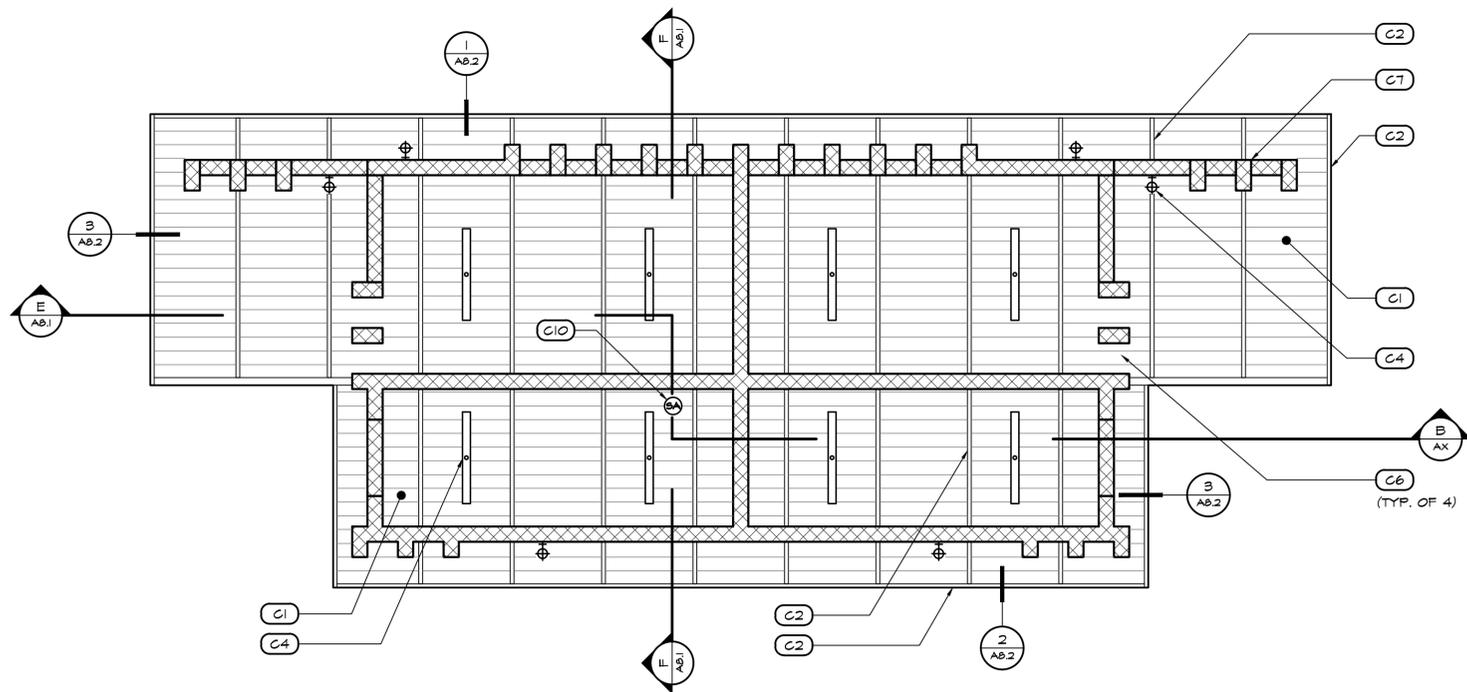
PLAN NORTH ONLY - SEE  
CIVIL / LANDSCAPE  
PLANS FOR TRUE NORTH



### 2 RAMADA CEILING PLAN

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

CeilingPlan-Ann



PLAN NORTH ONLY - SEE CIVIL /  
LANDSCAPE PLANS FOR TRUE NORTH



### 3 RESTROOM CEILING PLAN

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

CeilingPlan-Ann

## CEILING NOTES

XX	DESCRIPTION:
C1	GALVANIZED STEEL ROOF DECK, SEE STRUCTURAL DRAWINGS.
C2	STEEL FRAMING MEMBER, SEE STRUCTURAL DRAWINGS.
C3	STEEL COLUMN, SEE STRUCTURAL DRAWINGS.
C4	LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS FOR TYPE AND REQUIREMENTS.
C5	MECHANICAL FIXTURE, SEE MECHANICAL DRAWINGS FOR TYPE AND REQUIREMENTS.
C6	WALL OPENING WITH SCREENED VENT AS SCHEDULED.
C7	CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE DRAWINGS FOR TYPE.
C8	BATTERY AND CONTROLLER (NEMA 3) ENCLOSURE MOUNTED AT HIGHEST POINT OF THE COLUMN WITH VANDAL RESISTANT MOUNTING HARDWARE. MFR: SOLAR KING, INC.
C9	LED LIGHT BRICK WITH VANDAL RESISTANT LENS AND MOUNTING HARDWARE. MFR: SOLAR KING, INC.
C10	SURFACE MOUNT SMOKE ALARM / DETECTOR, SEE ELECTRICAL DRAWINGS FOR REQUIREMENTS.

## GENERAL NOTES

- IF ANY DISCREPANCIES OCCUR PRIOR TO / DURING NEW CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING PRIOR TO START / COMPLETION OF THE WORK. IF WORK HAS BEEN COMPLETED PRIOR TO APPROVALS, THE CONTRACTOR SHALL BE LIABLE FOR SUCH CONSTRUCTION / REPAIRS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING ON SITE CONDITIONS IN CONSTRUCTION LIMIT AREA AND IDENTIFY ANY UTILITIES, IRRIGATION PRIOR TO NEW CONSTRUCTION.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**CEILING PLANS**

ENGINEER INFORMATION  
KIMLEY-HORN AND ASSOCIATES  
7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
PHONE:(602)944-5500, FAX:(602)944-7423

COB PERMITTING APPROVED SEAL  
COB ENGINEERING APPROVED SEAL  
SUBMITTAL: FIRST REVIEW

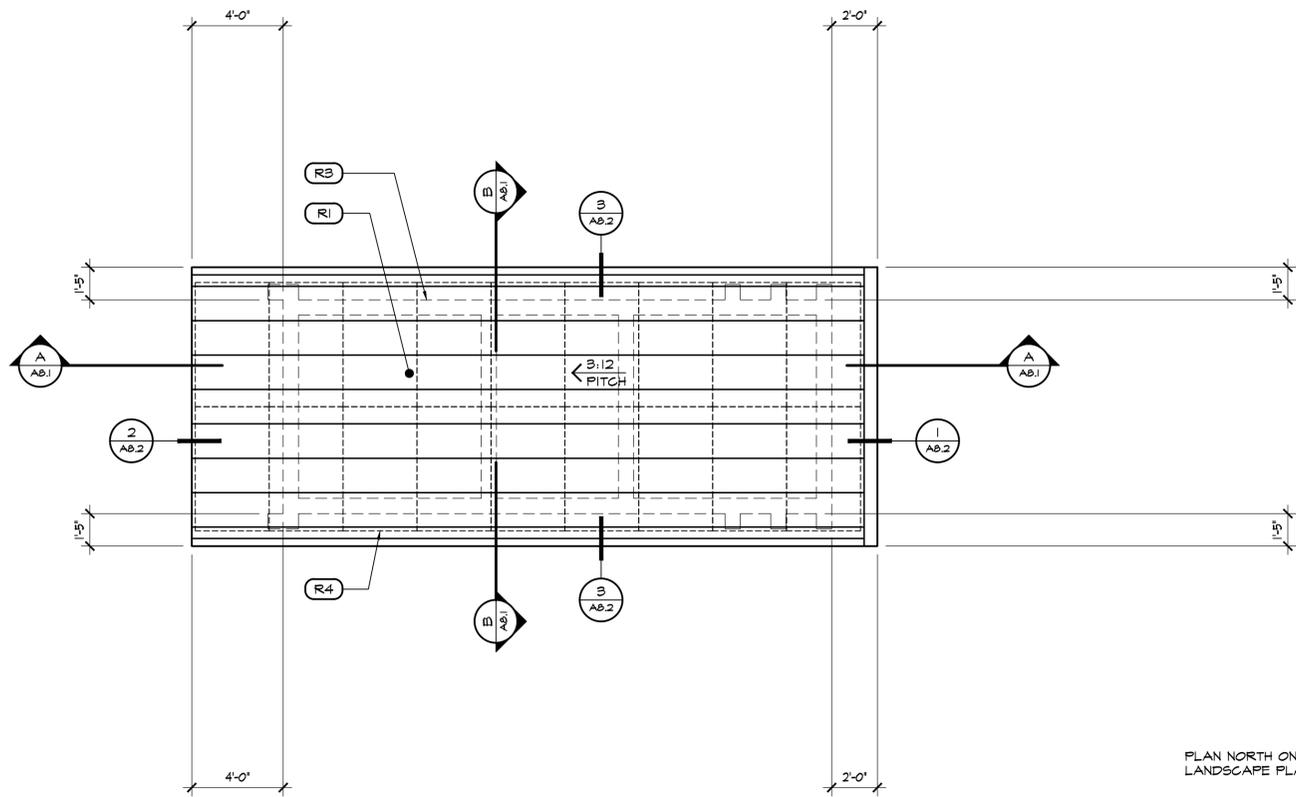
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Phoenix, Arizona 85016  
480.951.5900 480.951.3045 f  
perlmanaz.com



AS-BUILT SEAL  
DESIGN SEAL  
ORIGINAL PLAN DATE  
**1/21/15**  
LATEST REVISION DATE

PROJECT No.  
**312043**  
SHEET ID.  
**A**  
SHEET No.  
**5 OF 14**  
COB PLAN TRACKING #  
**ENG-13-00317**

REVISIONS:
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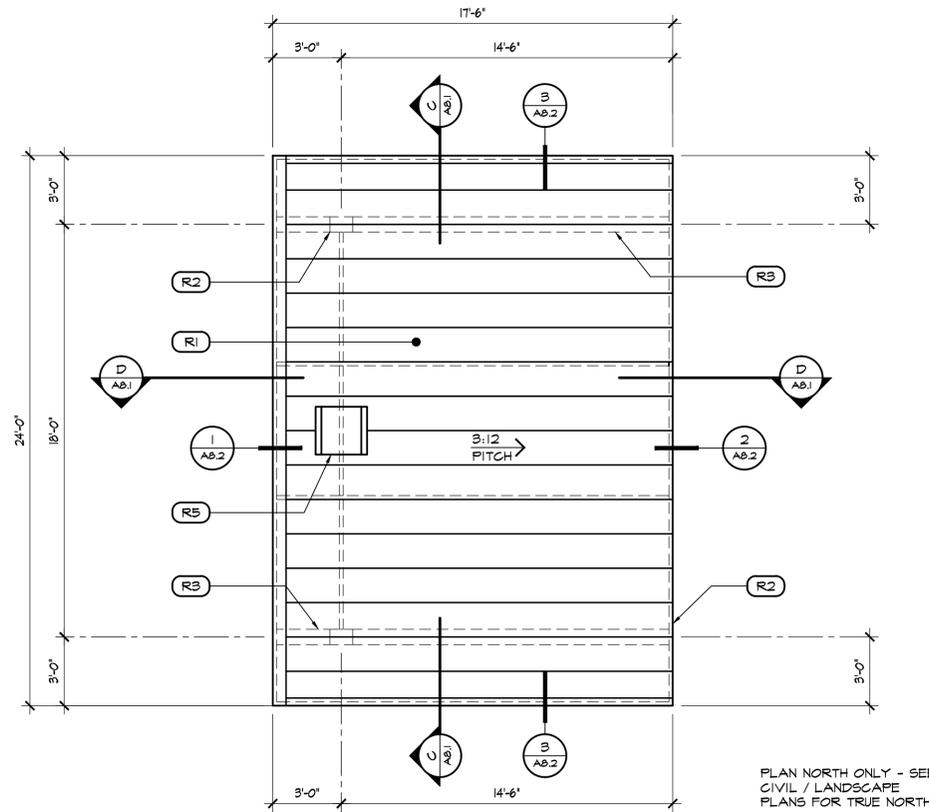
PLAN NORTH ONLY - SEE CIVIL / LANDSCAPE PLANS FOR TRUE NORTH



### 1 GATE HOUSE ROOF PLAN

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

RoofPlan-anno



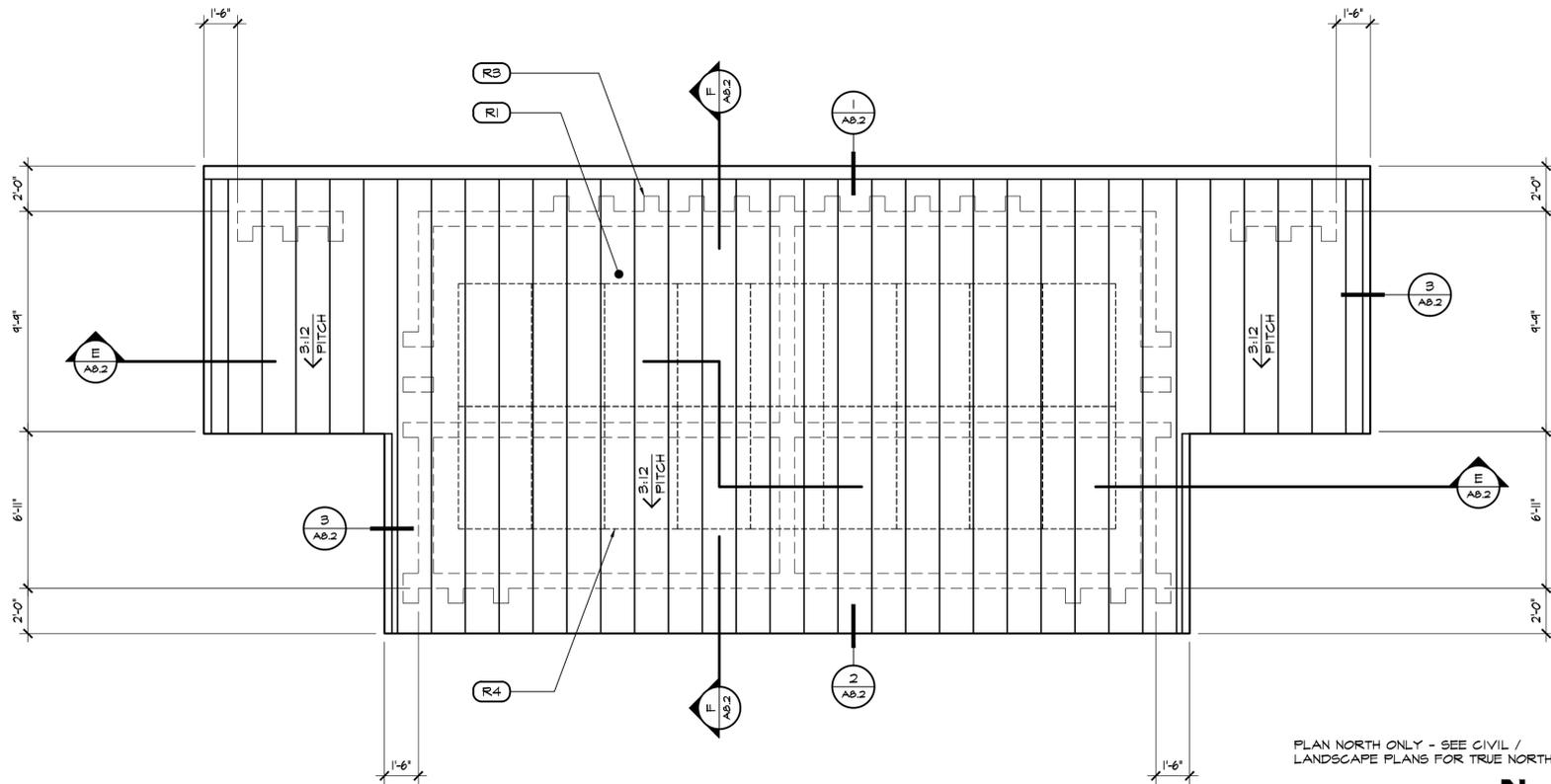
PLAN NORTH ONLY - SEE CIVIL / LANDSCAPE PLANS FOR TRUE NORTH



### 2 RAMADA ROOF PLAN

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

RoofPlan-anno



PLAN NORTH ONLY - SEE CIVIL / LANDSCAPE PLANS FOR TRUE NORTH



### 3 RESTROOM ROOF PLAN

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

RoofPlan-anno

## ROOF NOTES

XX	DESCRIPTION:
R1	STANDING SEAM METAL ROOFING SYSTEM, SEE EXTERIOR ELEVATIONS FOR FINISH OVER 30 LBS. FELT UNDERLAYMENT OVER 1/2" PLYWOOD SUB-SURFACE ON ROOF DECK PER STRUCTURAL DRAWINGS.
R2	STEEL FRAMING MEMBER, SEE STRUCTURAL DRAWINGS.
R3	SHOWN DASHED: OUTLINE OF BUILDING / STRUCTURE BELOW.
R4	LARGE AREA MODULE SOLAR PANEL- SEE ELECTRICAL PLANS
R5	SOLAR MODULE PANEL WITH POLYCARBONATE SHIELD OVER. MFR: SOLAR KING, INC.

## GENERAL NOTES

- IF ANY DISCREPANCIES OCCUR PRIOR TO / DURING NEW CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING PRIOR TO START / COMPLETION OF THE WORK. IF WORK HAS BEEN COMPLETED PRIOR TO APPROVALS, THE CONTRACTOR SHALL BE LIABLE FOR SUCH CONSTRUCTION / REPAIRS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING ON SITE CONDITIONS IN CONSTRUCTION LIMIT AREA AND IDENTIFY ANY UTILITIES, IRRIGATION PRIOR TO NEW CONSTRUCTION.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**ROOF PLANS**

ENGINEER INFORMATION  
KIMLEY-HORN AND ASSOCIATES  
7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
PHONE:(602)944-5500, FAX:(602)944-7423

COB PERMITTING APPROVED SEAL  
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL  
DESIGN SEAL

ORIGINAL PLAN DATE  
**1/21/15**

LATEST REVISION DATE

PROJECT No.  
**312043**

SHEET ID.  
**A**

SHEET No.  
**6 OF 14**

**Perlman**  
Architects of Arizona  
4808 N. 24th Street Ste, 100  
Phoenix, Arizona 85016  
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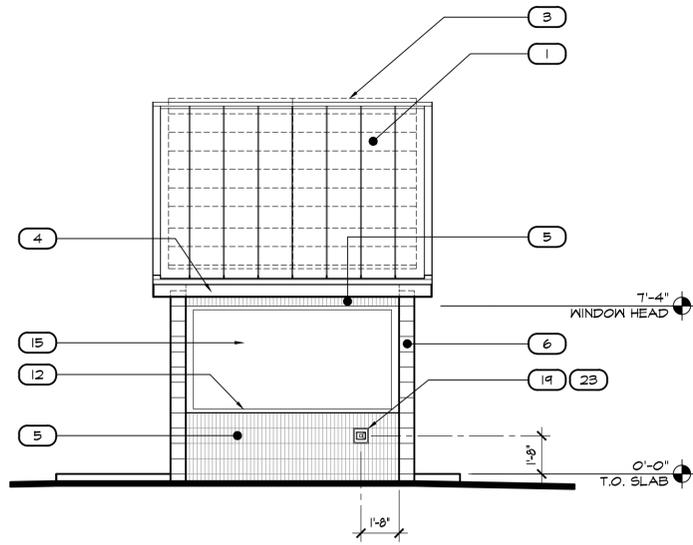


SUBMITTAL: FIRST REVIEW

COB PLAN TRACKING #

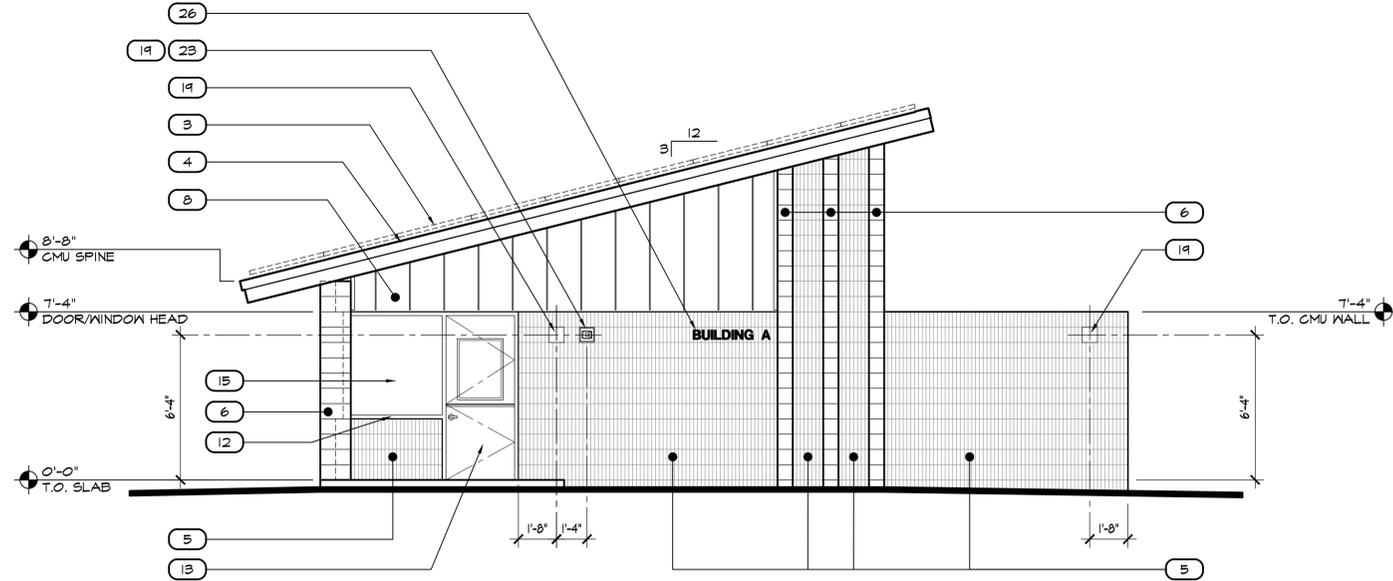
COB PERMIT #

**ENG-13-00317**



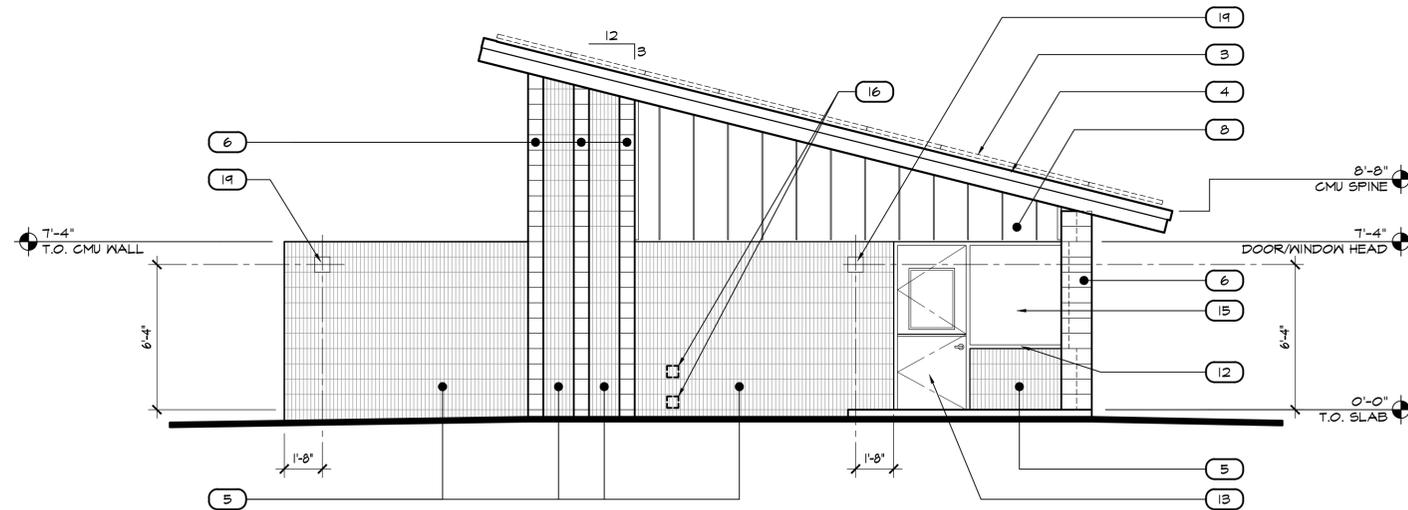
**1 GATE HOUSE FRONT ELEVATION**

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



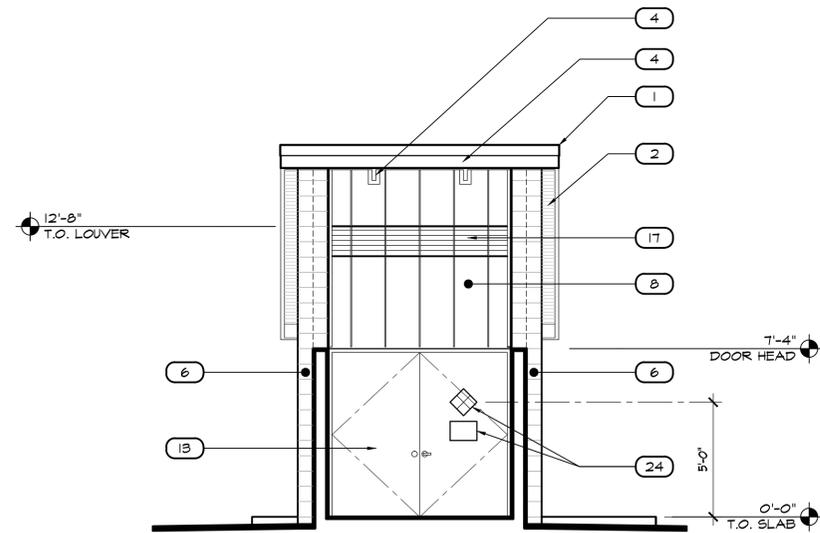
**2 GATE HOUSE RIGHT ELEVATION**

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



**3 GATE HOUSE LEFT ELEVATION**

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



**4 GATE HOUSE REAR ELEVATION**

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

**ELEVATION NOTES**

XX	DESCRIPTION:
1	STANDING SEAM METAL ROOFING SYSTEM- MFR: WESTERN STATES METAL ROOFING PANEL: WESTERN LOCK STANDING SEAM (24 GA.) SEAM SPACING x HEIGHT: 17.5" O.C. x 1.75" COLOR: FRESH RUST
2	EXPOSED 1 1/2" x 22 GA. GALVANIZED STEEL DECK COLOR: NONE, FINISH TO WEATHER
3	LARGE AREA MODULE SOLAR PANEL- SEE ELECTRICAL PLANS
4	STEEL TUBE FRAMING / FASCIA- COLOR: EXPOSED, FINISH TO WEATHER
5	CONCRETE MASONRY UNITS (CMU)- SIZE: 9x8x16 TYPE: FLUTED BLOCK, COLOR: COCOA BROWN GROUT COLOR: MATCH BLOCK COLOR, SUBMIT SAMPLES
6	CONCRETE MASONRY UNITS (CMU)- SIZE: 8x8x16 TYPE: SMOOTH BLOCK, COLOR: COCOA BROWN GROUT COLOR: MATCH BLOCK COLOR, SUBMIT SAMPLES
7	CONCRETE MASONRY UNITS (CMU)- SIZE: 9x4x16 TYPE: FLUTED BLOCK, COLOR: COCOA BROWN GROUT COLOR: MATCH BLOCK COLOR, SUBMIT SAMPLES
8	STANDING SEAM METAL WALL PANEL SYSTEM OVER SMOOTH CMU WALL CONSTRUCTION- MFR: WESTERN STATES METAL ROOFING PANEL: WESTERN LOCK STANDING SEAM (24 GA.) SEAM SPACING x HEIGHT: 17.5" O.C. x 1.75" COLOR: FRESH RUST
9	STEEL TUBE COLUMN- COLOR: EXPOSED, FINISH TO WEATHER
10	MFR: McNICHOLS, PRODUCT TYPE: SQUARE OPENING OPENING SIZE: 1" x 1", WIRE DIAMETER: 0.2500" MATERIAL: PLAIN STEEL, COLD ROLLED CONSTRUCTION TYPE: LOCKRIMP WEAVE COLOR: EXPOSED, FINISH TO WEATHER FRAME: SEE PLANS FOR DETAILS COLOR: EXPOSED, FINISH TO WEATHER
11	STEEL TUBE CONSTRUCTED GATE- COLOR: EXPOSED, FINISH TO WEATHER
12	STOREFRONT ALUMINUM FRAMING SYSTEM- COLOR: DARK BRONZE ANODIZED
13	STEEL DOOR AS SCHEDULED- COLOR: PAINT TO MATCH DARK BRONZE STOREFRONT
14	STEEL FRAME- COLOR: PAINT TO MATCH DARK BRONZE STOREFRONT
15	GLAZING PANEL AS SCHEDULED- SEE WINDOW TYPES
16	PHOTOVOLTAIC EQUIPMENT VENT THRU EXTERIOR WALL WITH FINE SCREENED LOUVERED COVER. COORDINATE LOCATION.
17	STEEL PLATE CONSTRUCTED LOUVER- COLOR: EXPOSED, FINISH TO WEATHER
18	STEEL DOOR AS SCHEDULED WITH STANDING SEAM METAL WALL PANEL SYSTEM OVER- COLOR: PAINT EXPOSED DOOR BODY TO MATCH DARK BRONZE AND WALL PANEL SYSTEM TO MATCH ADJACENT SYSTEM
19	USE 8x8 SMOOTH FACE CMU AT WALL MOUNTED LIGHT FIXTURE LOCATION AND KNOX-BOX LOCATION.
20	ACCESSIBLE SIGN AT LATCH SIDE OF DOOR.
21	1/8" STEEL CAP (HOLD 3/4" FROM UNIT EDGE) EMBED INTO SOLID GROUT WITH NELSON STUDS. CLEAR SEAL FINISH.
22	SOLAR MODULE PANEL WITH POLYCARBONATE SHIELD OVER WITH CONTROLLER AND LED LIGHT UNDER (SEE PLANS). SYSTEM MFR: SOLAR KING, INC. NO.: SKI-RLS3645 KNOX-BOX 3200 SERIES HINGED DOOR RECESSED MOUNT.
23	NFFPA NO. 704 HAZARD IDENTIFICATION PLACARD (VERIFY RATINGS) WITH NFFPA NO. 608.7 ROOM CONTENT SIGN BELOW.
24	PEDESTAL GRILL, SEE LANDSCAPE DRAWINGS.
25	5" H x 1/8" MED. HELVETICA BRUSHED ST. STEEL BUILDING IDENTIFICATION LETTERING. INDIVIDUALLY MOUNTED WITH 1" STANDOFF SPACERS.

**GENERAL NOTES**

- A. PROVIDE ANTI-GRAFFITI COATING SYSTEM ON ALL EXPOSED CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**EXTERIOR ELEVATIONS-  
GATE HOUSE**

ENGINEER INFORMATION  
KIMLEY-HORN AND ASSOCIATES  
7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
PHONE:(602)944-5500, FAX:(602)944-7423

COB PERMITTING APPROVED SEAL  
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL  
DESIGN SEAL

ORIGINAL PLAN DATE  
**01/21/15**

LATEST REVISION DATE

PROJECT No.  
**312043**

SHEET ID.  
**A**

SHEET No.  
**7.1 OF 14**

**Perlman**  
Architects of Arizona  
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Phoenix, Arizona 85016  
480.951.5900 480.951.3045 f  
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REVISIONS:

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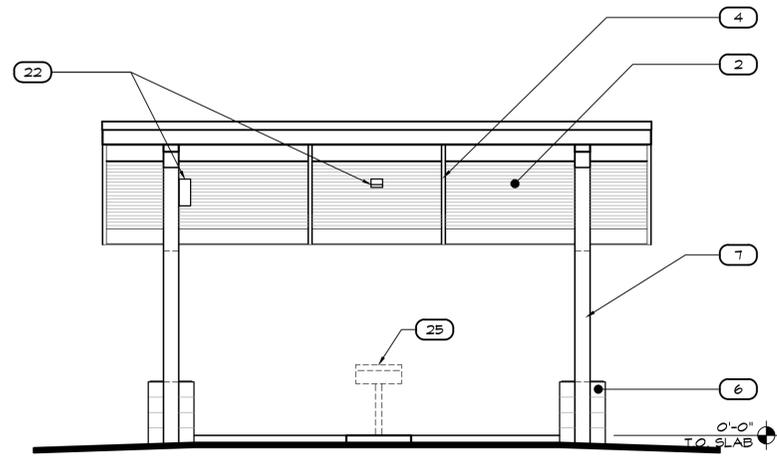
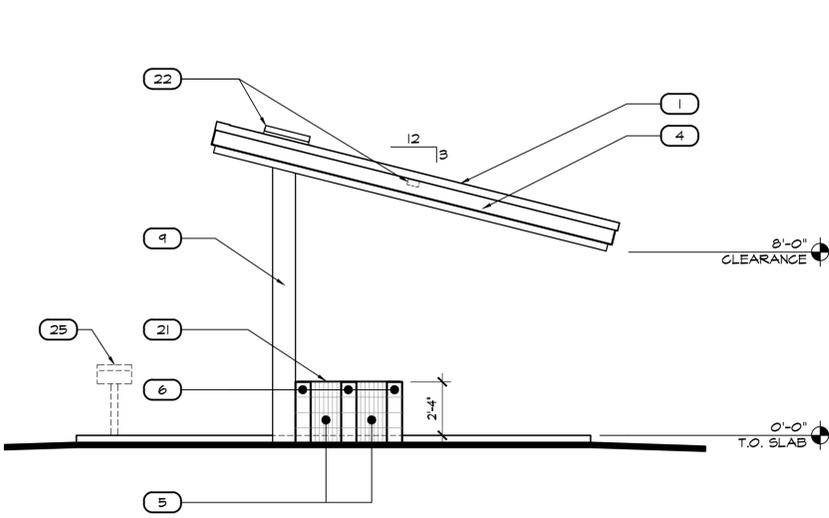
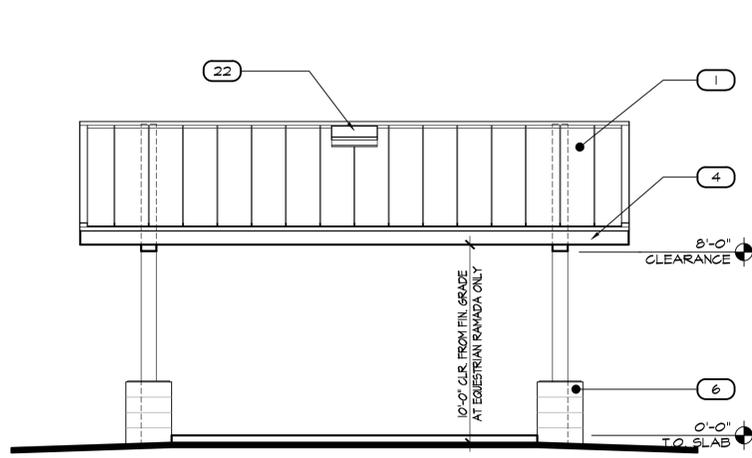


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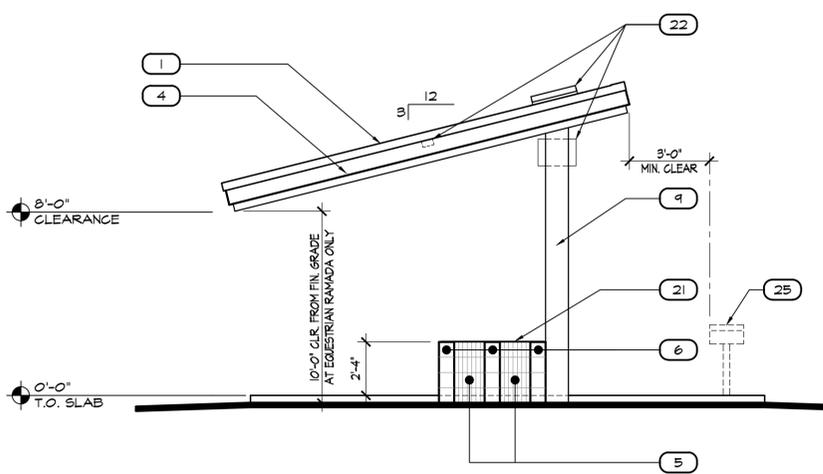
**ENG-13-00317**



**1 RAMADA FRONT ELEVATION**  
SCALE: 1/4" = 1'-0" ExtElevations-Arno

**2 RAMADA LEFT ELEVATION**  
SCALE: 1/4" = 1'-0" ExtElevations-Arno

**3 RAMADA REAR ELEVATION**  
SCALE: 1/4" = 1'-0" ExtElevations-Arno



**4 RAMADA RIGHT ELEVATION**  
SCALE: 1/4" = 1'-0" ExtElevations-Arno

**ELEVATION NOTES**

XX	DESCRIPTION:
1	STANDING SEAM METAL ROOFING SYSTEM- MFR: WESTERN STATES METAL ROOFING PANEL: WESTERN LOCK STANDING SEAM (24 GA.) SEAM SPACING x HEIGHT: 17.5" O.C. x 1.75" COLOR: FRESH RUST
2	EXPOSED 1 1/2" x 22 GA. GALVINIZED STEEL DECK COLOR: NONE, FINISH TO WEATHER
3	LARGE AREA MODULE SOLAR PANEL- SEE ELECTRICAL PLANS
4	STEEL TUBE FRAMING / FASCIA- COLOR: EXPOSED, FINISH TO WEATHER
5	CONCRETE MASONRY UNITS (CMU)- SIZE: 9x8x16 TYPE: FLUTED BLOCK, COLOR: COCOA BROWN GROUT COLOR: MATCH BLOCK COLOR, SUBMIT SAMPLES
6	CONCRETE MASONRY UNITS (CMU)- SIZE: 8x8x16 TYPE: SMOOTH BLOCK, COLOR: COCOA BROWN GROUT COLOR: MATCH BLOCK COLOR, SUBMIT SAMPLES
7	CONCRETE MASONRY UNITS (CMU)- SIZE: 9x4x16 TYPE: FLUTED BLOCK, COLOR: COCOA BROWN GROUT COLOR: MATCH BLOCK COLOR, SUBMIT SAMPLES
8	STANDING SEAM METAL WALL PANEL SYSTEM OVER SMOOTH CMU WALL CONSTRUCTION- MFR: WESTERN STATES METAL ROOFING PANEL: WESTERN LOCK STANDING SEAM (24 GA.) SEAM SPACING x HEIGHT: 17.5" O.C. x 1.75" COLOR: FRESH RUST
9	STEEL TUBE COLUMN- COLOR: EXPOSED, FINISH TO WEATHER
10	WIRE MESH WITH FRAME- MFR: McNICHOLS, PRODUCT TYPE: SQUARE OPENING OPENING SIZE: 1" x 1", WIRE DIAMETER: 0.2500" MATERIAL: PLAIN STEEL, COLD ROLLED CONSTRUCTION TYPE: LOCKCRIMP WEAVE COLOR: EXPOSED, FINISH TO WEATHER FRAME: SEE PLANS FOR DETAILS
11	STEEL TUBE CONSTRUCTED GATE- COLOR: EXPOSED, FINISH TO WEATHER
12	STOREFRONT ALUMINUM FRAMING SYSTEM- COLOR: DARK BRONZE ANODIZED
13	STEEL DOOR AS SCHEDULED- COLOR: PAINT TO MATCH DARK BRONZE STOREFRONT
14	STEEL FRAME- COLOR: PAINT TO MATCH DARK BRONZE STOREFRONT
15	GLAZING PANEL AS SCHEDULED- SEE WINDOW TYPES
16	PHOTOVOLTAIC EQUIPMENT VENT THRU EXTERIOR WALL WITH FINE SCREENED LOUVERED COVER. COORDINATE LOCATION.
17	STEEL PLATE CONSTRUCTED LOUVER- COLOR: EXPOSED, FINISH TO WEATHER
18	STEEL DOOR AS SCHEDULED WITH STANDING SEAM METAL WALL PANEL SYSTEM OVER- COLOR: PAINT EXPOSED DOOR BODY TO MATCH DARK BRONZE AND WALL PANEL SYSTEM TO MATCH ADJACENT SYSTEM
19	USE 8x8 SMOOTH FACE CMU AT WALL MOUNTED LIGHT FIXTURE LOCATION AND KNOX-BOX LOCATION.
20	ACCESSIBLE SIGN AT LATCH SIDE OF DOOR.
21	1/8" STEEL CAP ( HOLD 3/4" FROM UNIT EDGE) EMBED INTO SOLID GROUT WITH NELSON STUDS. CLEAR SEAL FINISH - SOLAR MODULE PANEL WITH POLYCARBONATE SHIELD OVER WITH CONTROLLER AND LED LIGHT UNDER (SEE PLANS).
22	SYSTEM MFR: SOLAR KING, INC.- NO. SKI-RLS3645 KNOX-BOX 3200 SERIES HINGED DOOR RECESSED MOUNT.
23	NFPA NO. 704 HAZARD IDENTIFICATION PLACARD (VERIFY RATINGS) WITH NFPA NO. 608.7 ROOM CONTENT SIGN BELOW.
24	PEDESTAL GRILL, SEE LANDSCAPE DRAWINGS.
25	5" H x 1/8" MED. HELVETICA BRUSHED ST. STEEL BUILDING IDENTIFICATION LETTERING. INDIVIDUALLY MOUNTED WITH 1" STANDOFF SPACERS.

**GENERAL NOTES**

A. PROVIDE ANTI-GRAFFITI COATING SYSTEM AN ALL EXPOSED  
CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**EXTERIOR ELEVATIONS-  
RAMADA**

ENGINEER INFORMATION  
KIMLEY-HORN AND ASSOCIATES  
7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
PHONE:(602)944-5500, FAX:(602)944-7423

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FIRST REVIEW
AS-BUILT SEAL	DESIGN SEAL	

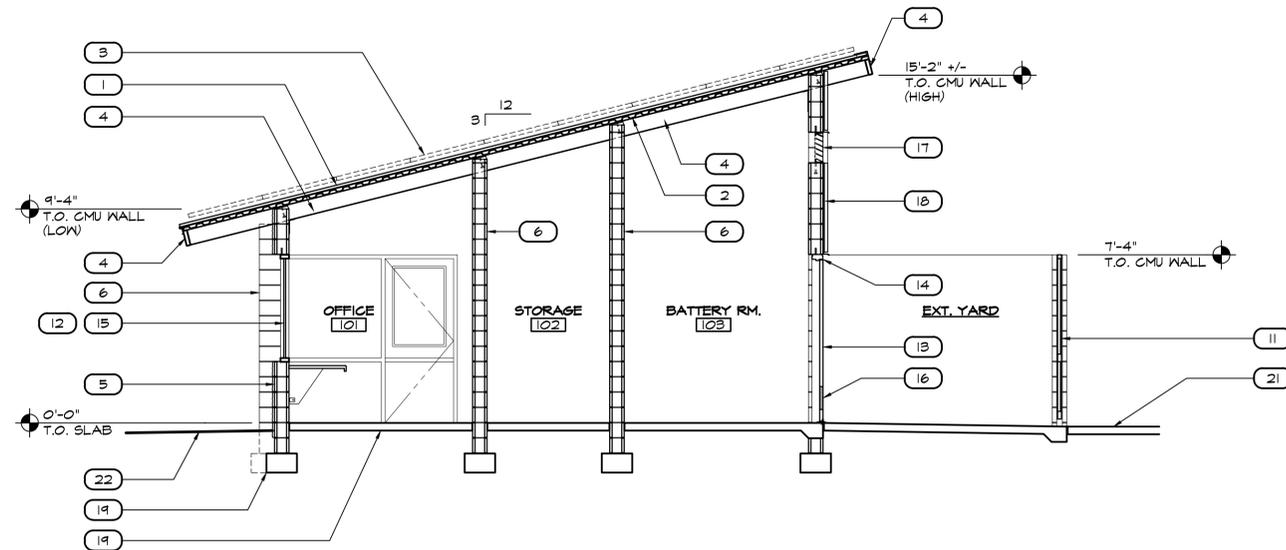
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Phoenix, Arizona 85016  
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REVISIONS:
1
2
3

ORIGINAL PLAN DATE 01/21/15	LATEST REVISION DATE
PROJECT No. 312043	SHEET ID. A
SHEET No. 7.2 OF 14	COB PERMIT # ENG-13-00317

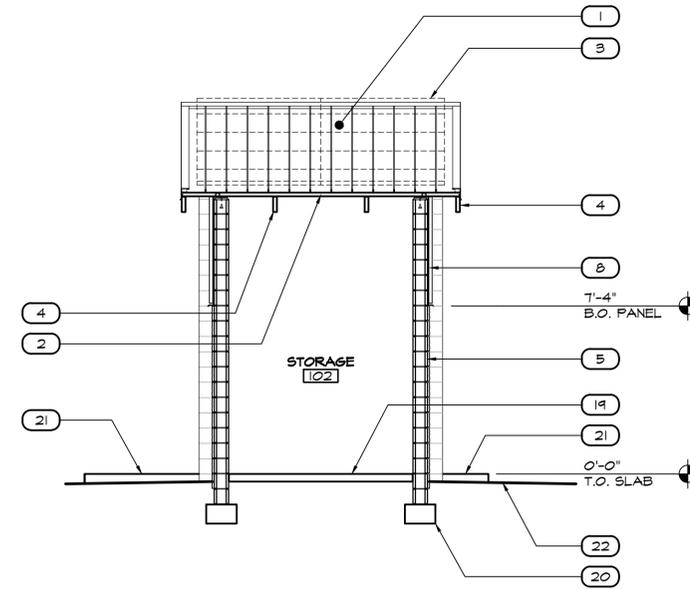




**A GATE HOUSE BUILDING SECTION**

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

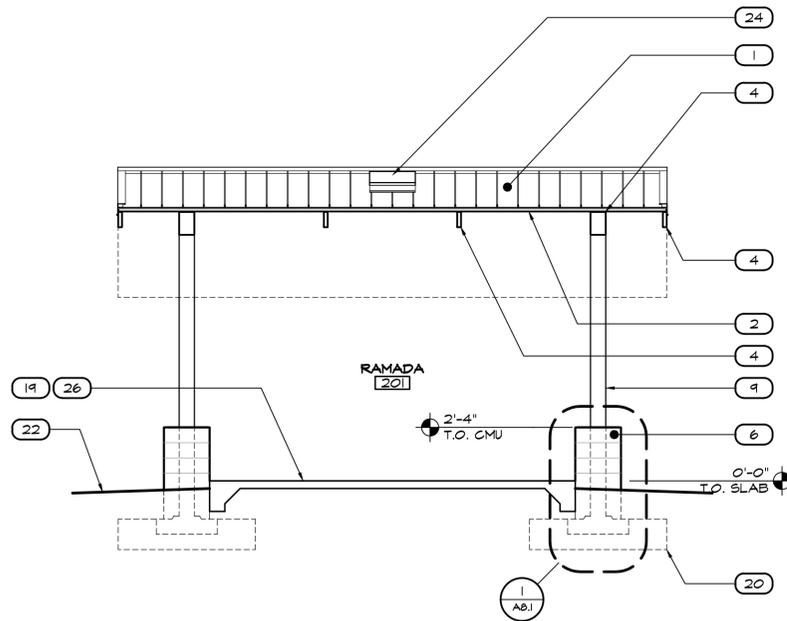
ExtElevations-Anno



**B GATE HOUSE BUILDING SECTION**

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

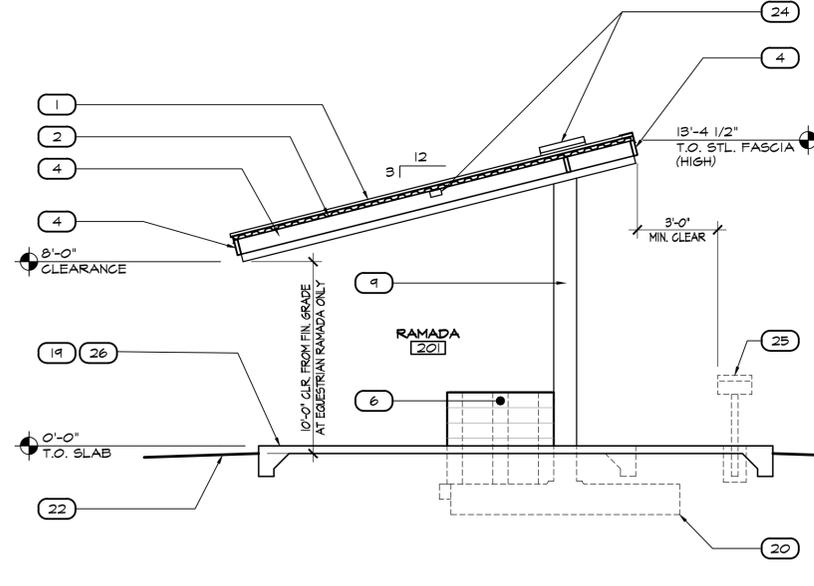
ExtElevations-Anno



**C RAMADA BUILDING SECTION**

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

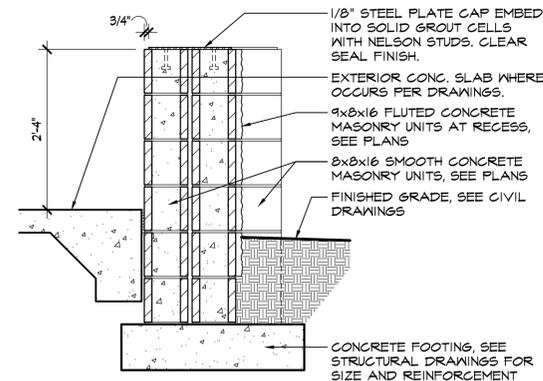
ExtElevations-Anno



**D RAMADA BUILDING SECTION**

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

ExtElevations-Anno



**1 BENCH**

SCALE: 3/4" = 1'-0"

BENCH/01

**SECTION NOTES**

XX	DESCRIPTION:
1	STANDING SEAM METAL ROOFING SYSTEM OVER 30 LBS. FELT UNDERLAYMENT OVER 1/2" PLYWOOD SUB-SURFACE ON ROOF DECK
2	GALVINIZED STEEL DECK - SEE STRUCTURAL PLANS
3	LARGE AREA MODULE SOLAR PANEL - SEE ELECTRICAL PLANS
4	STEEL TUBE FRAMING / FASCIA - SEE STRUCTURAL PLANS
5	CONCRETE MASONRY UNITS (CMU)- SIZE: 9x8x16 TYPE: FLUTED BLOCK
6	CONCRETE MASONRY UNITS (CMU)- SIZE: 8x8x16 TYPE: SMOOTH BLOCK
7	CONCRETE MASONRY UNITS (CMU)- SIZE: 9x4x16 TYPE: FLUTED BLOCK
8	STANDING SEAM METAL WALL PANEL SYSTEM OVER SMOOTH CMU WALL CONSTRUCTION
9	STEEL TUBE COLUMN- SEE STRUCTURAL PLANS
10	WIRE MESH WITH FRAME- SEE DETAILS
11	STEEL TUBE CONSTRUCTED GATE AS SCHEDULED
12	STOREFRONT ALUMINUM FRAMING SYSTEM AS SCHEDULED
13	STEEL DOOR AS SCHEDULED
14	STEEL DOOR FRAME
15	GLAZING PANEL AS SCHEDULED- SEE WINDOW TYPES
16	PRE-FABRICATED LOUVER- SEE MECHANICAL PLANS
17	STEEL PLATE CONSTRUCTED LOUVER
18	STEEL DOOR AS SCHEDULED WITH STANDING SEAM METAL WALL PANEL SYSTEM OVER
19	CONCRETE FLOOR SLAB ON GRADE- SEE STRUCTURAL PLANS AND GEOTECHNICAL REPORT FOR UNDERLAYMENT REQUIREMENTS
20	CONCRETE FOOTING- SEE STRUCTURAL PLANS
21	CONCRETE STOOP / WALK ON GRADE
22	FINISHED GRADE- SEE CIVIL PLANS
23	MODULE SOLAR PANELS NOT SHOWN FOR CLARITY- SEE ROOF AND EXTERIOR ELEVATION DRAWINGS
24	SOLAR POWERED RAMADA LIGHTING SYSTEM.
25	PEDESTAL GRILL- SEE LANDSCAPE DRAWINGS FOR LOCATION.
26	CONCRETE FLOOR SLAB ON GRADE OMITTED AT EQUESTRIAN SHADE RAMADA 'D' LOCATION ONLY. PROVIDE FINISHED GRADE. SEE LANDSCAPE DRAWINGS.

**GENERAL NOTES**

- A. PROVIDE ANTI-GRAFFITI COATING SYSTEM AN ALL EXPOSED CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**BUILDING SECTIONS-  
GATE HOUSE AND RAMADA**

ENGINEER INFORMATION  
KIMLEY-HORN AND ASSOCIATES  
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COB PERMITTING APPROVED SEAL

COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL

DESIGN SEAL

ORIGINAL PLAN DATE  
**1/21/15**

LATEST REVISION DATE

PROJECT No.  
**312043**

SHEET ID.  
**A**

SHEET No.  
**B.1 OF 14**

SUBMITTAL: FIRST REVIEW

COB PLAN TRACKING #

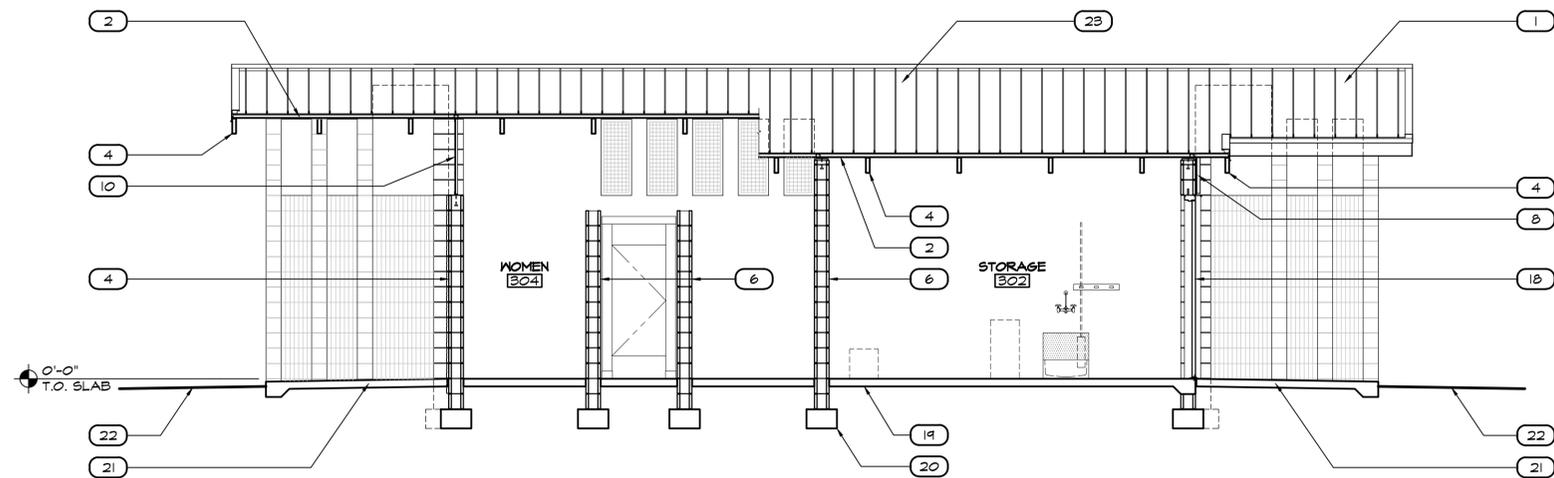
COB PERMIT #

**ENG-13-00317**

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Phoenix, Arizona 85016  
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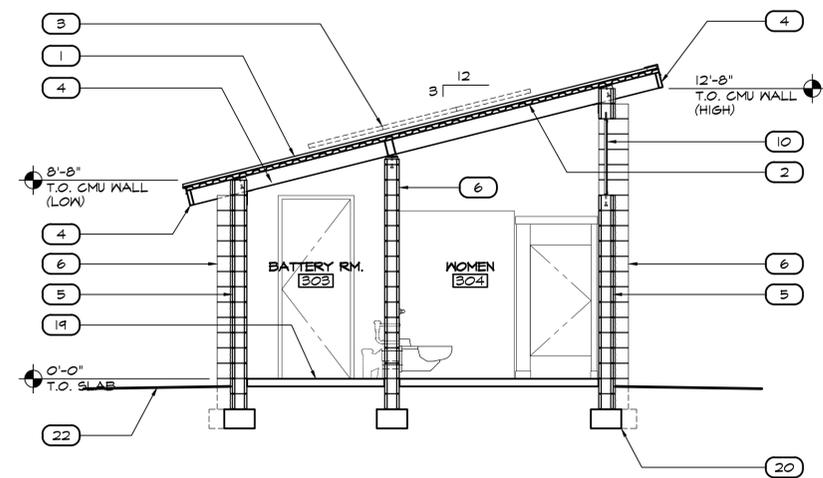
REVISIONS:
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**E RESTROOM BUILDING SECTION**

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

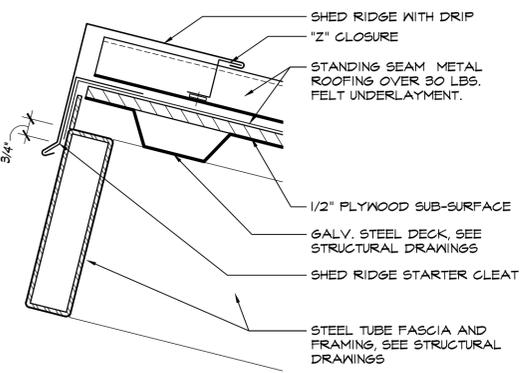


**F RESTROOM BUILDING SECTION**

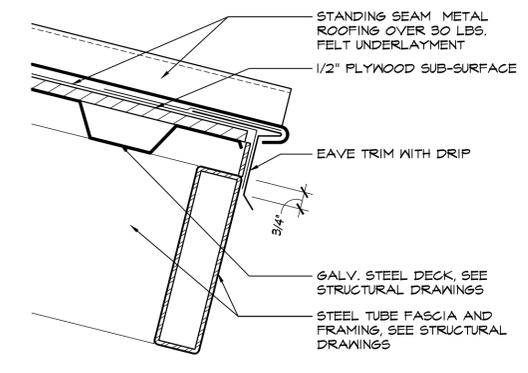
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**SECTION NOTES**

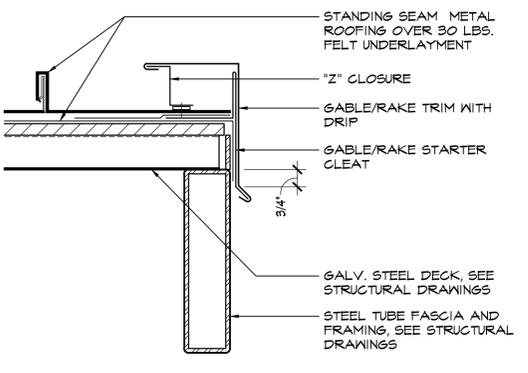
XX	DESCRIPTION:
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25	PEDESTAL GRILL- SEE LANDSCAPE DRAWINGS FOR LOCATION.
26	CONCRETE FLOOR SLAB ON GRADE OMITTED AT EQUESTRIAN SHADE RAMADA 'D' LOCATION ONLY. PROVIDE FINISHED GRADE. SEE LANDSCAPE DRAWINGS.



**1 SHED RIDGE**  
SCALE: 3" = 1'-0" RIDGE001



**2 EAVE**  
SCALE: 3" = 1'-0" EAVE001



**3 GABLE**  
SCALE: 3" = 1'-0" GABLE001

**GENERAL NOTES**

- A. PROVIDE ANTI-GRAFFITI COATING SYSTEM AN ALL EXPOSED CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**BUILDING SECTIONS- RESTROOM**

ENGINEER INFORMATION  
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COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL  
DESIGN SEAL  
KENNETH W. POWERS  
25759  
ARIZONA, U.S.A.  
EXPIRES: 12-31-2015

ORIGINAL PLAN DATE  
**01/21/15**

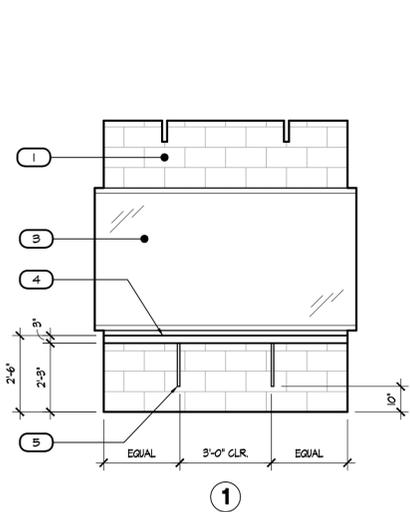
PROJECT No. **312043** SHEET ID. **A** SHEET No. **8.2 OF 14**

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REVISIONS:

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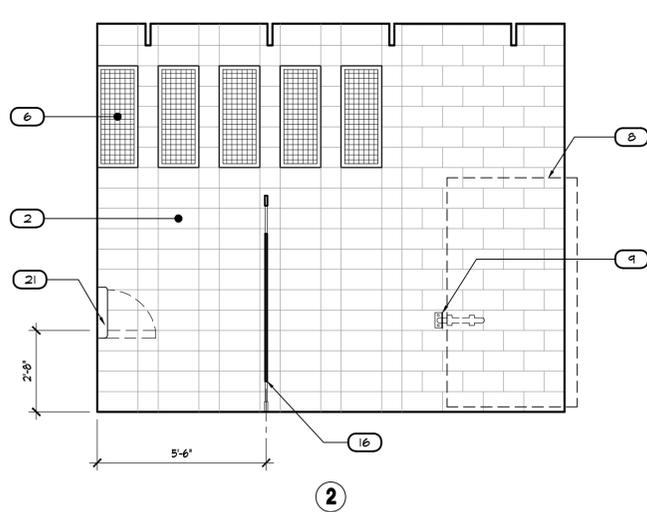
SUBMITTAL: FIRST REVIEW  
COB PLAN TRACKING #  
COB PERMIT #  
**ENG-13-00317**



**OFFICE - 101**

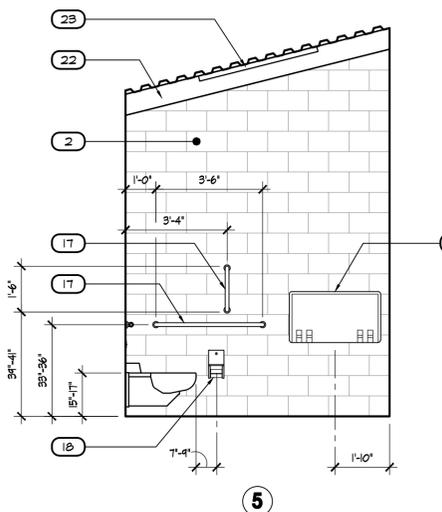
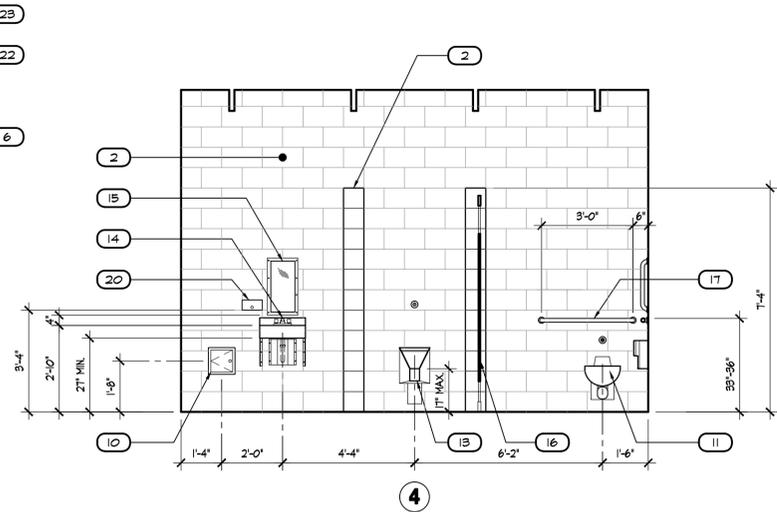
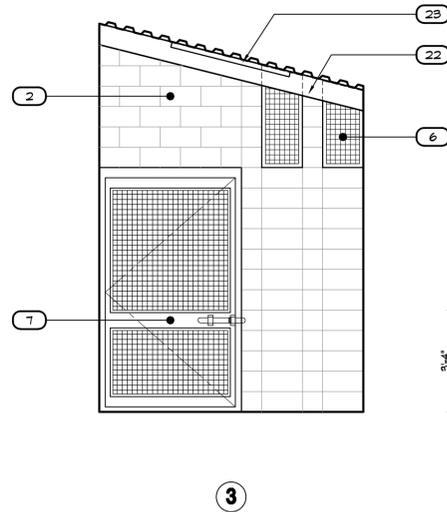
SCALE: 3/8" = 1'-0"

IntElev-anno



**MEN - 301**

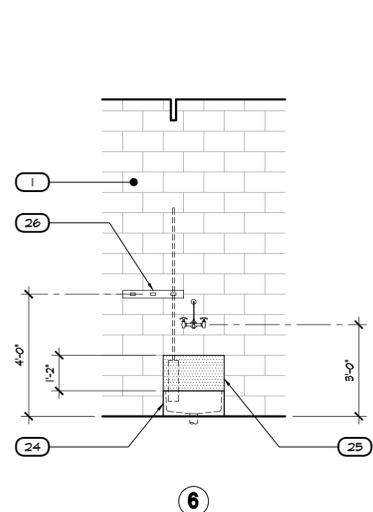
SCALE: 3/8" = 1'-0"



**MEN - 301**

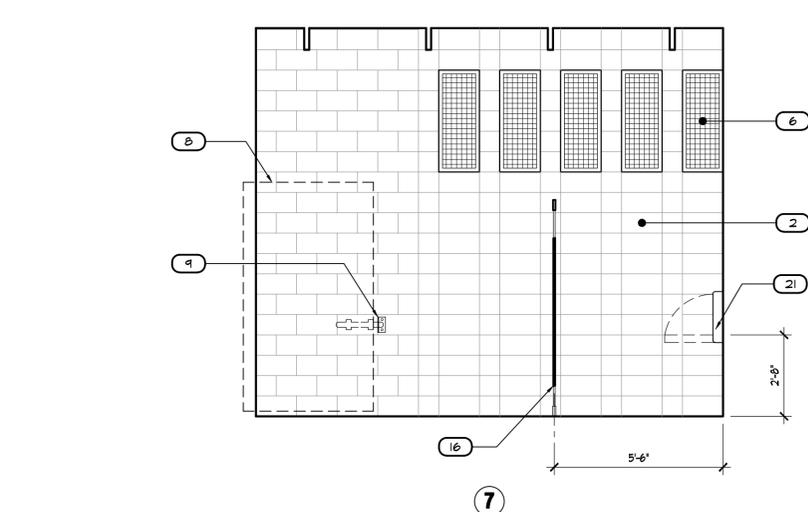
SCALE: 3/8" = 1'-0"

IntElev-anno



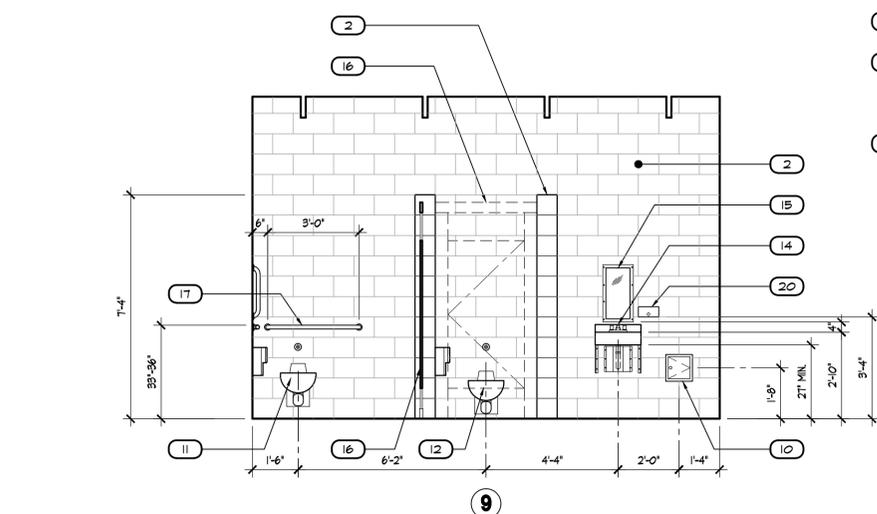
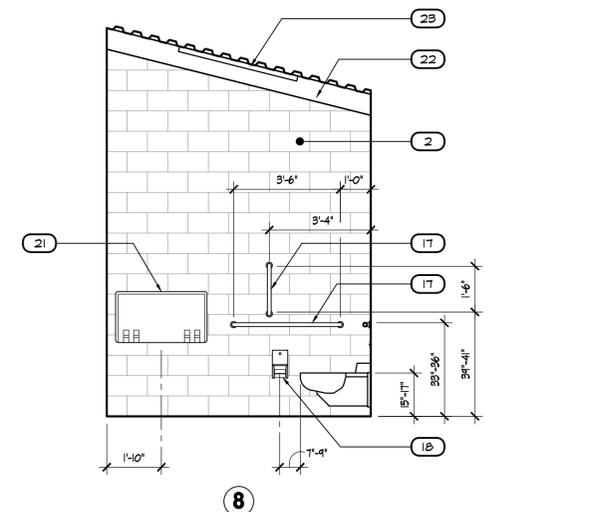
**STORAGE - 302**

SCALE: 3/8" = 1'-0"



**WOMEN - 304**

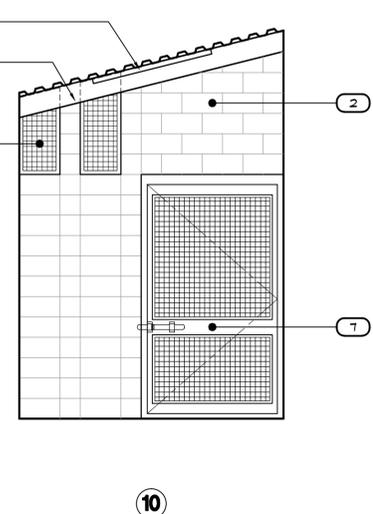
SCALE: 3/8" = 1'-0"



**WOMEN - 304**

SCALE: 3/8" = 1'-0"

IntElev-anno



**INTERIOR NOTES**

XX	DESCRIPTION:
1	EXPOSED SMOOTH-FACED CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION.
2	EXPOSED SMOOTH-FACED CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION WITH ANTI-GRAFFITI COATING. FINISH TO BE FLAT WITH A CLEAR COATING.
3	ALUMINUM STOREFRONT WINDOW FRAME SYSTEM WITH GLAZING PANEL AS SCHEDULED.
4	MILLWORK- 30" DEEP STAINLESS STEEL WORK SURFACE AND INTEGRAL FASCIA WITH EASED EDGE.
5	MILLWORK- (2) INTERMEDIATE SUPPORT WITH STAINLESS STEEL FINISH TO MATCH WORK SURFACE.
6	VENT- STEEL WIRE MESH WITH STEEL FRAME.
7	STEEL TUBE CONSTRUCTED GATE WITH STEEL WIRE MESH INFILL PANELS AS SCHEDULED.
8	SHOWN DASHED- LOCATION OF STEEL TUBE CONSTRUCTED GATE AT OPEN POSITION.
9	WALL MOUNTED STEEL ANGLE WITH SLOT TO RECEIVE STEEL TUBE GATE LATCH.
10	NON-FREEZE WALL HYDRANT- VANDALISM AND TAMPER RESISTANT, FLUSH WITH WALL WITH INTEGRAL HINGED LOCKING COVER.
11	STAINLESS STEEL WALL HUNG WATER CLOSET (ADA) WITH THRU-WALL PUSH BUTTON FLUSH VALVE- SEE PLUMBING DRAWINGS FOR TYPE AND FITTINGS.
12	STAINLESS STEEL WALL HUNG WATER CLOSET (STANDARD) WITH THRU-WALL PUSH BUTTON FLUSH VALVE- SEE PLUMBING DRAWINGS FOR TYPE AND FITTINGS.
13	STAINLESS STEEL WALL HUNG URINAL (ADA) WITH THRU-WALL PUSH BUTTON FLUSH VALVE- SEE PLUMBING DRAWINGS FOR TYPE AND FITTINGS.
14	STAINLESS STEEL WALL HUNG LAVATORY (ADA) WITH ANGLE BRACE AND EXPOSED PIPING BURN-GUARD BELOW - SEE PLUMBING DRAWINGS FOR TYPE AND FITTINGS.
15	STAINLESS STEEL FRAMED SECURITY MIRROR MFR: ACORN ENGINEERING CO. OR APPROVED EQUAL MODEL: 1813 HC FRONT MOUNT SIZE: 12" x 22 1/2" MIRROR: TYPE 400 STAINLESS STEEL POLISHED TO A MIRROR FINISH.
16	TOILET PARTITION WITH OVERHEAD SUPPORT MFR: BOBRICK WASHROOM EQUIPMENT, INC. OR APPROV. EQ. SERIES: 1090 COLOR: SC02 DESERT BEIGE
17	GRAB BAR MFR: BOBRICK WASHROOM EQUIPMENT, INC. OR APPROV. EQ. SERIES: 5806. SEE INT. ELEVATION FOR LENGHT FINISH: SATIN WITH PEENED GRIP
18	SURFACE MOUNTED TISSUE DISPENSER MFR: BOBRICK WASHROOM EQUIPMENT, INC. OR APPROV. EQ. SERIES: B-2888
19	NOT USED.
20	SURFACE MOUNTED SOAP DISPENSER MFR: BOBRICK WASHROOM EQUIPMENT, INC. OR APPROV. EQ. SERIES: B-4112
21	SURFACE MOUNTED BABY CHANGING STATION MFR: KOALA KARE PRODUCTS OR APPROV. EQ. SERIES: KB200 COLOR: KB200-01 GREY
22	EXPOSED ROOF FRAMING MEMBER
23	SURFACE MOUNTED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR TYPE AND FITTING
24	MOP SINK. SEE PLUMBING DRAWINGS FOR FIXTURE AND FITTING
25	FIBERGLASS REINFORCED PLASTIC (RFP) PANEL WALL CLADDING/WALL GUARD
26	WALL MOUNTED STAINLESS STEEL MOP BRACKET, 24" LONG WITH (3) RUBBER GRIPS

**GENERAL NOTES**

A. IF ANY DISCREPANCIES OCCUR PRIOR TO / DURING NEW CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING PRIOR TO START / COMPLETION OF THE WORK. IF WORK HAS BEEN COMPLETED PRIOR TO APPROVALS, THE CONTRACTOR SHALL BE LIABLE FOR SUCH CONSTRUCTION / REPAIRS.

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3

PROJECT NAME <b>SKYLINE REGIONAL PARK PHASE 1</b>	
PLAN NAME <b>INTERIOR ELEVATIONS</b>	
ENGINEER INFORMATION KIMLEY-HORN AND ASSOCIATES 7740 N 16TH ST, STE 300, PHOENIX, AZ 85020 PHONE:(602)944-5500, FAX:(602)944-7423	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL 
ORIGINAL PLAN DATE 01/21/15	LATEST REVISION DATE
PROJECT No. 312043	SHEET ID. A
SHEET No. 10 OF 14	
SUBMITTAL: FIRST REVIEW	
COB PLAN TRACKING # ENG-13-00317	

# ELECTRICAL SYMBOLS LIST

DIMENSIONS ARE TO DEVICE CENTERLINES. COORDINATE ALL INSTALLATIONS.  
LIGHTING & LIGHTING CONTROLS

- LIGHTING FIXTURE. SUBSCRIPT LETTER DENOTES FIXTURE TYPE AS DESCRIBED IN LIGHT FIXTURE SCHEDULE. LOWER CASE LETTER INDICATES SWITCHING CONTROL.
- SINGLE-POLE SWITCH @ 44" AFF UNO. LOWER CASE LETTER DENOTES FIXTURE CONTROL. 300V. 20A.
- THREE-WAY SWITCH 300V. 20A. MTD @ 44" AFF UNO. (SIMILAR FOR 4-WAY).
- WALL BOX, DUAL TECHNOLOGY, OCCUPANCY (o) / VACANCY (v) SENSOR SWITCH WITH OFF/ON CONTROL, AND ADJUSTABLE SETTINGS FOR FOOTCANDLE LEVEL AND OFF DELAY. "PIR" SUBSCRIPT INDICATES PASSIVE INFRARED DEVICE. COORDINATE DEVICE SELECTION WITH ROOM SIZE. PROVIDE NEUTRAL AS REQUIRED BY DEVICE. MOUNT AT 44" AFF UNO. DOUBLE "o" OR "v" INDICATES DUAL SWITCH DEVICE. LUTRON OR EQUAL.

## RECEPTACLES & COMMUNICATIONS OUTLETS

- DUPLEX CONVENIENCE OUTLET, 20A, 125V, MTD @ 18" AFF UNO.
- DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSPASH OR 44" AFF.
- DOUBLE DUPLEX CONVENIENCE OUTLETS UNDER COMMON COVER
- DOUBLE DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSPASH OR 44" AFF.
- GFCI DUPLEX CONVENIENCE OUTLET, 20A, 125V, 5 mA TRIP WITH INDICATOR LIGHT, MTD. @ 18" AFF UNO.
- GFCI DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTER BACKSPASH OR 44" AFF.

## POWER DISTRIBUTION

- J-BOX (WITH FLEX CONNECTION TO EQUIPMENT.)
- DISCONNECT SWITCH, WITH RATING AS SHOWN ON PLANS
- COMBINATION DISCONNECT SWITCH / MOTOR STARTER FURNISHED BY ELECTRICAL CONTRACTOR.
- TOGGLE-OPERATED WITH THERMAL OVERLOAD PROTECTION
- BRANCH CIRCUITRY CONCEALED IN WALL OR CEILING WITH #12 INSULATED GND. U.N.O. HACHURES INDICATE NUMBER OF CURRENT CARRYING CONDUCTORS. 'X' INDICATES ADDITIONAL INSULATED, ISOLATED GROUND CONDUCTORS.
- BRANCH CIRCUITRY ROUTED UNDERGROUND AND/OR IN FLOOR SLAB
- BRANCH CIRCUITRY HOMERUN TO PANEL AS NOTED ON PLANS

UNLESS NOTED, OR MATCHING EXISTING, ALL WIRING DEVICES IN FINISHED AREAS TO BE WHITE, DECORA STYLE WITH STAINLESS STEEL COVER PLATES.

# LIGHTING FIXTURE SCHEDULE

TAG	MTG.	MANUFACTURER	CATALOG No.	VOLT	LAMPS		REMARKS
					No.	TYPE	
'A'	SURF	AXIS	BSLED B2 750 30 SO 4 AP 120 D 1 SC	120	-	35W LED ARRAY (3000K)	2" LED SURFACE MOUNT BEAM 2 ON CEILING
'B'	SURF	LITHONIA	ZL1N L48 3000LM U/LENS MVOLT 30K 80CRI WH	120	-	32W LED ARRAY (3000K)	LED STRIP ON CEILING
'C'	WALL	INTENSE	IVT106L 27 BR	120	-	4W LED ARRAY (2700K)	LED MINI-CYLINDER AT 7' AFG TO CENTER (CENTER ON 8 x 8 BLOCK)
'D'	WALL	LITHONIA	OLW14	120	-	18W LED ARRAY (5000K)	AREA LIGHT AT 7' AFG TO CENTER - PROVIDED WITH PHOTOCELL

**LIGHTING FIXTURE SCHEDULE GENERAL NOTES:**  
 1. ALL FLUORESCENT FIXTURES TO HAVE ELECTRONIC BALLASTS. (T.H.D. <10%)  
 2. ALL BATTERY BACKED FLUORESCENT BALLASTS TO BE RATED FOR MINIMUM 1100 LUMENS.  
 3. ALL PRISMATIC LENSES FOR LAY-IN FIXTURES TO BE .125" THICK, PATTERN 12.  
 4. ALL FLUORESCENT AND PL LAMPS TO BE 35K, MINIMUM CRI OF 82, UNLESS NOTED OTHERWISE.  
 5. ALL FLUORESCENT FIXTURES TO HAVE INTEGRAL DISCONNECTING MEANS PER 2005 NEC 410.73(G) and 2008 NEC 410.130(G)(1).  
 6. ALL METAL HALIDE FIXTURES TO BE SUPPLIED WITH PULSE START LAMPS and BALLASTS.

# EQUIPMENT SCHEDULE

TAG	DESCRIPTION	H.P.	FLA	XUŠV	WIRE, CONDUIT	CONN.	MOUNT HEIGHT	DISC. SW. WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
DCU-1	DUCTLESS CONDENSING UNIT		9.2	G EXE<	2 #12, #12 GND., 3/4" C.	□	AT UNIT	30A. 2P. 2F. WP
DU-1	DUCTLESS UNIT		-	-	3/4" C. TO DCU	-	AT UNIT	FED FROM DCU-1
JP-1	JET PUMP	1	8.0	G EXE<	2 #12, #12 GND., 3/4" C.	□	AT UNIT	30A. 2P. 2F. WP

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

PANELBOARD SCHEDULE 'RR'		LOCATION: SEE POWER PLAN	
VOLT: 480V EXE< 4W		FULLY RATED 22 k.A.I.C.	
MAINS: 30/2 M.C.B.		NEMA RATING: 1	
MTG: SURFACE		TYPE: BOLT-ON W/ GROUND BUS	
CIRCUIT / BREAKER DESCRIPTION	C/B NO.	V.A.	CIR. NO.
LTG. and RECEP.TS - EAST, HEAT TRACE	1	488	2
LTG. and RECEP.TS - WEST, EXTERIOR	3		4
SPARE	5		6
	7		8
	9		10
	11		12
	13		14
	15		16
	17		18
	19	960	20
SMOKE ALARM	19	40	2
	19	960	2
TOTAL LOAD PER PHASE	1,428	1,312	1,428 VA @ 120V.= 11.9 AMPS

\* LOAD SHOWN AT 125% PER NEC. □ EXISTING CIRCUIT BREAKER. ● EXISTING LOAD REMOVED AT DEMO, NEW USE/LABEL AS SHOWN.  
 ■ PROVIDE LOCK-ON/OFF DEVICE AT CIRCUIT BREAKER. ○ EXISTING CIRCUIT BREAKER REMOVED AND REPLACED AS SHOWN.

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

PANELBOARD SCHEDULE 'GH'		LOCATION: SEE POWER PLAN	
VOLT: 480V EXE< 4W		FULLY RATED 22 k.A.I.C.	
MAINS: 30/2 M.C.B.		NEMA RATING: 1	
MTG: SURFACE		TYPE: BOLT-ON W/ GROUND BUS	
CIRCUIT / BREAKER DESCRIPTION	C/B NO.	V.A.	CIR. NO.
LTG. and RECEP.TS - OFFICE, STORAGE	1	584	2
LTG. and RECEP.TS - MECH ROOM, EXTERIOR	3		4
SPARE	5		6
	7		8
	9		10
	11		12
	13		14
	15		16
	17		18
	19	1104	20
SMOKE ALARM	19	40	2
	19	1104	2
TOTAL LOAD PER PHASE	1,688	1,570	1,688 VA @ 120V.= 14.1 AMPS

\* LOAD SHOWN AT 125% PER NEC. □ EXISTING CIRCUIT BREAKER. ● EXISTING LOAD REMOVED AT DEMO, NEW USE/LABEL AS SHOWN.  
 ■ PROVIDE LOCK-ON/OFF DEVICE AT CIRCUIT BREAKER. ○ EXISTING CIRCUIT BREAKER REMOVED AND REPLACED AS SHOWN.

REVISIONS:

- 1
- 2
- 3

# WOODWARD ENGINEERING

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PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**ELEC. SYMBOLS, SPEC, DETAILS**

ENGINEER INFORMATION  
 KIMLEY-HORN AND ASSOCIATES  
 7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
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COB PERMITTING APPROVED SEAL  
 COB ENGINEERING APPROVED SEAL

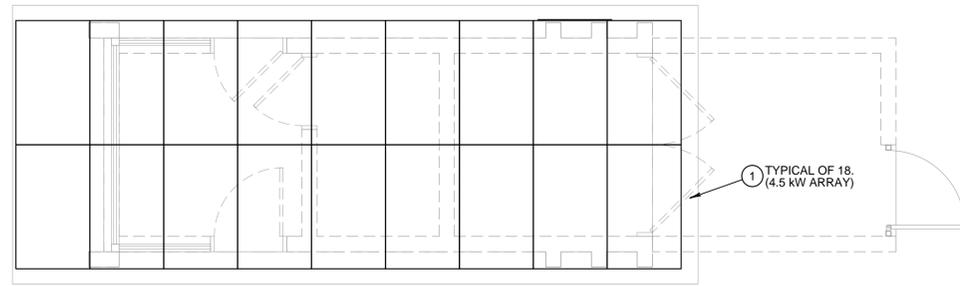
AS-BUILT SEAL  
 DESIGN SEAL

ORIGINAL PLAN DATE  
**01/21/15**

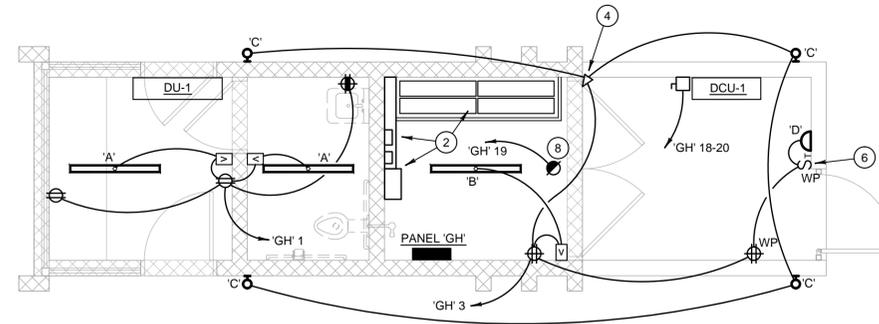
PROJECT No. **312043** SHEET ID. **E000** SHEET No. **03** OF **3**

SUBMITTAL: FIRST REVIEW

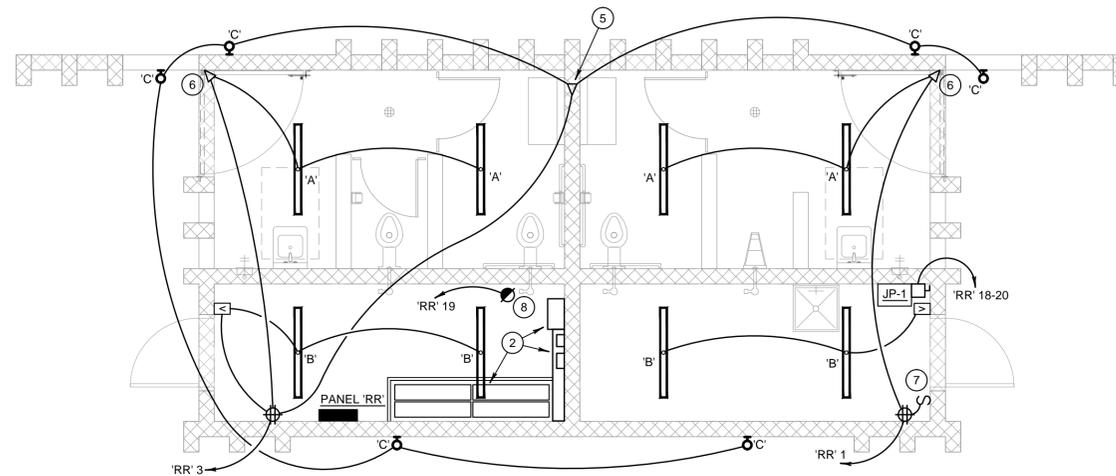
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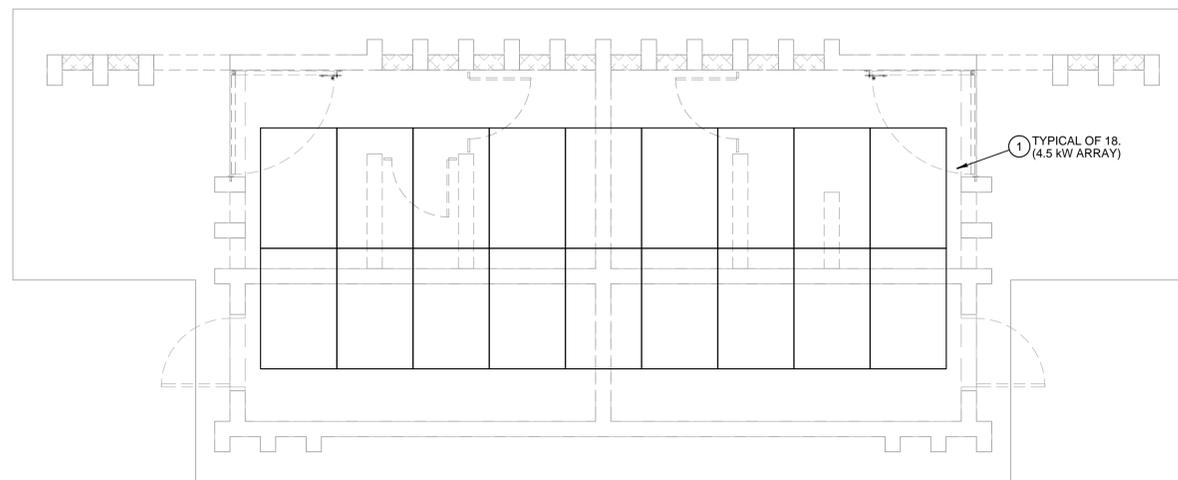
**ELECTRICAL ROOF PLAN - ENTRY GATEHOUSE**  
SCALE: 1/4" = 1'-0"



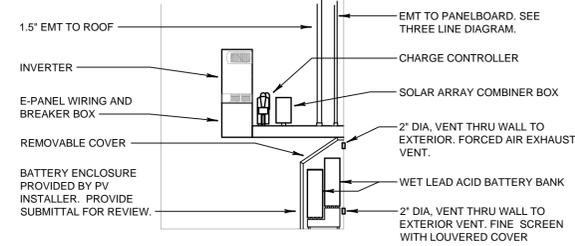
**ELECTRICAL PLAN - ENTRY GATEHOUSE**  
SCALE: 1/4" = 1'-0"



**ELECTRICAL PLAN - RESTROOM**  
SCALE: 1/4" = 1'-0"



**ELECTRICAL ROOF PLAN - RESTROOM**  
SCALE: 1/4" = 1'-0"



**PV EQUIPMENT ELEVATION**  
SCALE: 1/4" = 1'-0"

ALL MULTI-WIRE BRANCH CIRCUITS TO HAVE SEPARATE NEUTRALS OR BREAKER HANDLE TIES.

ALL CIRCUITRY SHOWN WITHOUT TICKS TO HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.

ALL BRANCH CIRCUITRY TO ROOF MOUNTED EQUIPMENT TO BE ROUTED BELOW ROOF, THEN STUBBED THROUGH THE ROOF DIRECTLY UNDER THE EQUIPMENT BEING SERVED. IF THE CIRCUITRY MUST BE ROUTED LATERALLY ABOVE THE ROOF, DERATE THE CONDUCTORS PER NEC 310.15(B)(2).

REVISIONS:	
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**POWER PLAN GENERAL NOTES:**

- COORDINATE PRECISE DEVICE MOUNTING HEIGHTS AND LOCATIONS WITH FURNITURE PLANS, OWNER, ETC.
- REFER TO MECHANICAL DRAWINGS FOR PRECISE LOCATIONS OF ALL MECHANICAL UNITS.

**LIGHTING PLAN GENERAL NOTES:**

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PRECISE LOCATIONS OF ALL FIXTURES.

**KEYED NOTES:**

- PHOTOVOLTAIC (PV) PANEL ON ROOF - MOUNTING FRAME ASSEMBLY CLIPPED TO TOP OF STANDING SEAM RIDGES. COORDINATE WITH PV INSTALLER. REFER TO PV DRAWINGS FOR WIRING, GROUNDING, AND MOUNTING.
- PV SYSTEM EQUIPMENT - REFER TO PV ELEVATION THIS SHEET FOR NOTES AND THREE LINE DIAGRAM, SHEET E200 FOR CONNECTIONS.
- WP, 0-60 MINUTE TIMER SWITCH AT APPROX. 44" AFG.
- WP, INDUSTRIAL PHOTOCELL ON WALL ABOVE DOOR - AIM NORTH FOR DUSK TO DAWN CONTROL OF THE TYPE 'C' EXTERIOR LIGHTING FIXTURES.
- WP, INDUSTRIAL PHOTOCELL ON ROOF - AIM NORTH FOR DUSK TO DAWN CONTROL OF THE TYPE 'C' EXTERIOR LIGHTING FIXTURES.
- CORNER MOUNT (HIGH IN CORNER) DUAL TECHNOLOGY OCCUPANCY SENSOR WITH PHOTOCELL CONTROL SET TO 10 FOOTCANDLES (WILL NOT ACTIVATE LIGHTS UNTIL BELOW 10 FOOTCANDLES).
- TOGGLE SWITCH ON WALL FOR 120VAC HEAT TRACE TAPE CONNECTION - REFER TO PLUMBING SHEETS FOR INFO.
- 120VAC RESIDENTIAL STYLE SMOKE ALARM WITH 9VDC BATTERY BACKUP. LOCATE BETWEEN 4" AND 12" OF CORNER AT CEILING.

WE # 14051

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PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

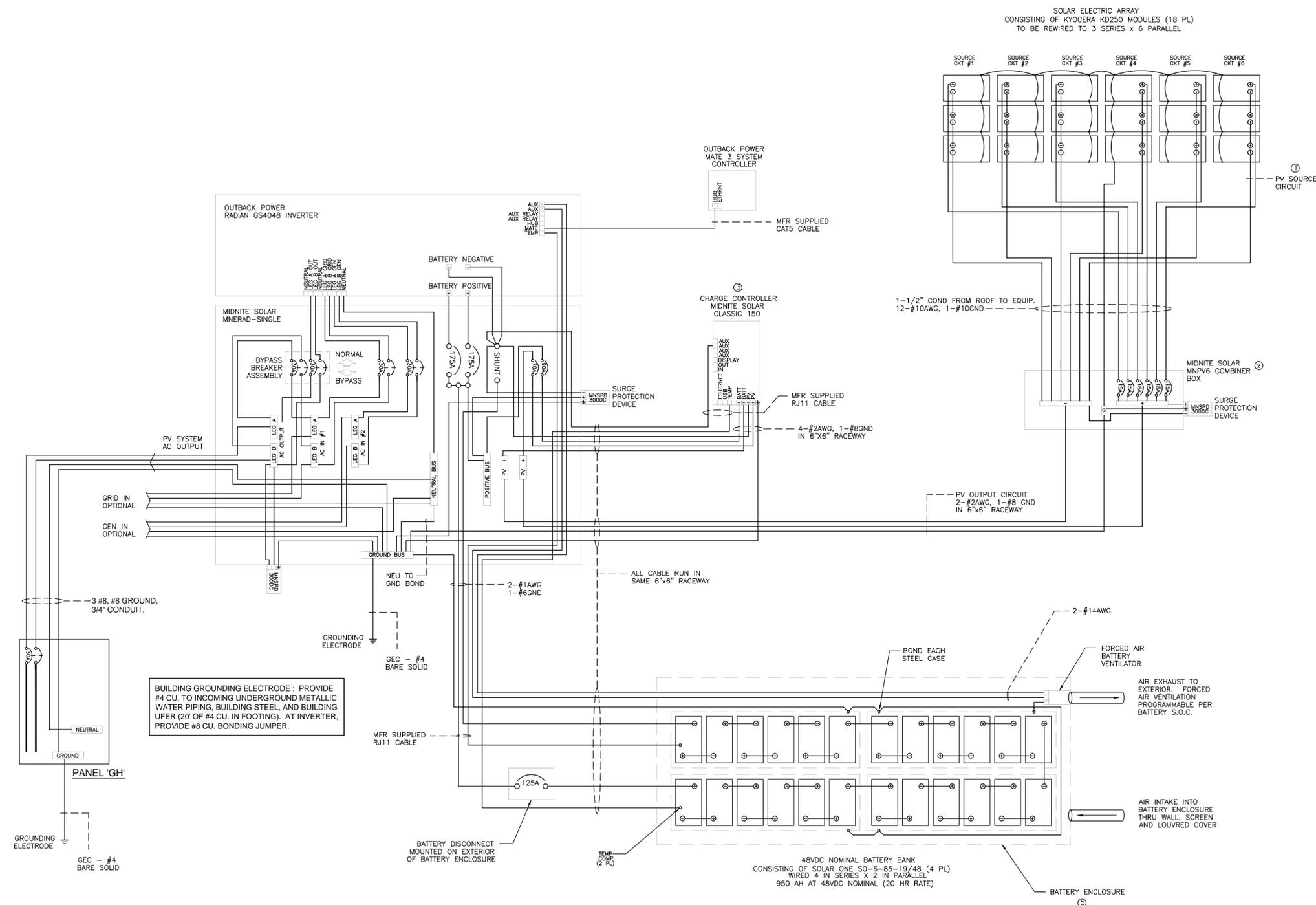
PLAN NAME  
**ELECTRICAL PLANS**

ENGINEER INFORMATION  
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COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FIRST REVIEW

AS-BUILT SEAL	DESIGN SEAL 	COB PLAN TRACKING # <b>ENG-13-00317</b>

ORIGINAL PLAN DATE <b>01/21/15</b>	LATEST REVISION DATE
PROJECT No. <b>312043</b>	SHEET ID. SHEET No. <b>E100 OF 3</b>



**THREE LINE DIAGRAM - GATEHOUSE (TYPICAL AT RESTROOM BUILDING)**

- NOTES:  
 1. LABEL EACH SOURCE CIRCUIT AT COMBINER BOX  
 2. LABEL COMBINER BOX #1  
 3. AFCI AND GFCI INCLUDED AS STANDARD FEATURE ON CHARGE CONTROLLER  
 4. ALL LABELING TO BE IN ACCORDANCE WITH NEC.  
 5. BATTERY TO BE MIN 6" ABOVE SLAB ON RACK. ENCLOSURE FAB TO BE 1/2" NOMINAL PLYWOOD, REMOVABLE COVER TO PROVIDE ACCESS REMOVE AND INSTALL BATTERY. PAINT INTERIOR OF ENCLOSURE AND FLOOR WITH 2 COATS EPOXY PAINT. PAINT EXTERIOR TO MATCH BUILDING.

NO SCALE

DRAWN BY WILL HERNDON	DATE 06/19/2014
REV A	



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PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**  
 PLAN NAME  
**PV SYSTEM THREE-LINE DIAGRAM**

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 SUBMITTAL: FIRST REVIEW

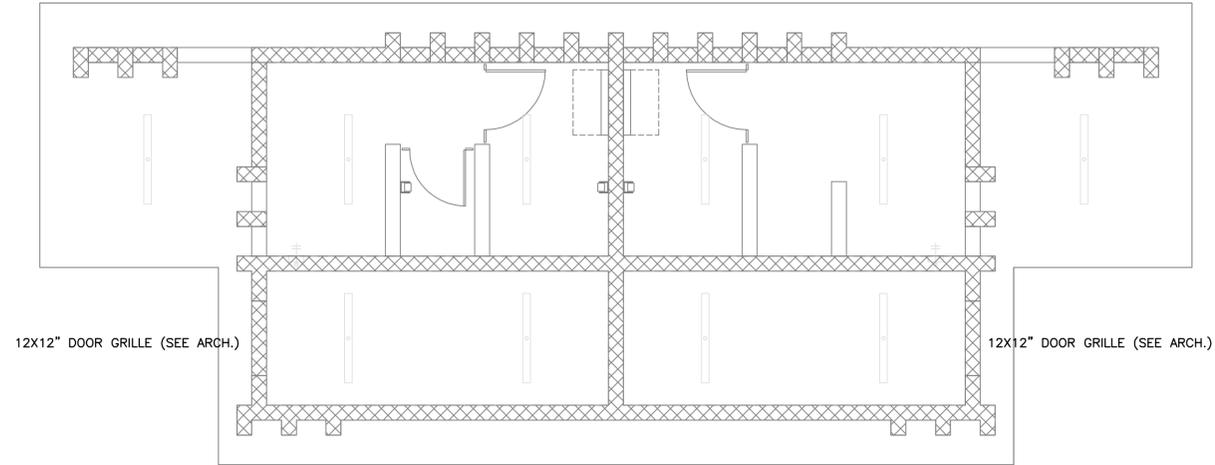
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 EXPIRES 03.31.2016

ORIGINAL PLAN DATE  
**01/21/15**  
 LATEST REVISION DATE

PROJECT No.  
**312043**  
 SHEET ID.  
**E200** OF 3

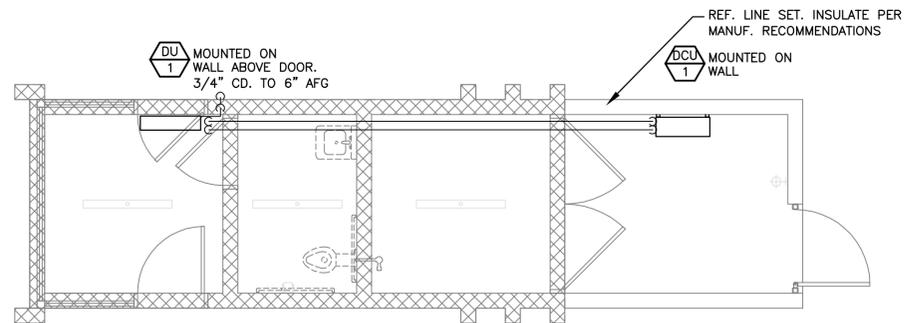
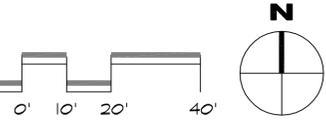
COB PLAN TRACKING #  
**ENG-13-00317**

NO MECHANICAL WORK. RESTROOMS ARE NATURALLY VENTILATED.



### 4 MECHANICAL PLAN-RESTROOM BUILDING

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



### DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE (AIR-TO-AIR) R-410A

TAG #	TAG #	MANUFACTURER	MODEL INDOOR/OUTDOOR	AIR CAPACITIES				SEER RATING	HSPF	CYCLE	EVAPORATOR ENTERING		AMBIENT CONDITION		COOLING/HEATING CAPACITIES (MBH)		ELECTRICAL CHARACTERISTICS						UNIT WT	REMARKS
				TOTAL CFM	OA CFM	ESP IWG	IDF WATTS				DB	WB	DB	WB	SENSIBLE	TOTAL	MCA	COMPRESSOR RLA \ LRA	ODF FLA	IDF FLA	MOCP	VOLT		
1		SANYO	KHS0971 CH0971	282	-	DUCTLESS	30	16	8.5	COOLING	80	67	115	67	7800	9000	10.3			.33	INDOOR	POWER FROM OUTDOOR	35	1 2 3 4 5 6 7
										HEATING	70	60	47	43		12200			.35	20	208-230	1	99	

- NO ALLOWANCE SHALL BE MADE FOR CONTRACTORS FAILURE TO COORDINATE WITH ALL TRADES PRIOR TO ANY WORK INCLUDING BUT NOT LIMITED TO STRUCTURAL AND ELECTRICAL AND ARCHITECTURAL.
- CONDENSING UNITS SHALL BE SECURED TO PLATFORM TO PREVENT MOVEMENT CAUSED DAMAGE TO REFRIGERANT PIPING.
- ALL REFRIGERATION PIPING SHALL BE SIZED PER MANUFACTURER'S REQUIREMENTS AND INCLUDE ALL REQUIRED ACCESSORIES.
- THIS UNIT RECEIVES ITS POWER FROM THE OUTDOOR UNIT THROUGH A FIELD SUPPLIED INTERCONNECTING WIRE. CONDUIT PROVIDED BY ELECTRICAL, WIRING BY MECHANICAL.
- PROVIDE AND INSTALL MATCHING INTEGRAL / INTERNAL CONDENSATE PUMP.
- PROVIDE AND INSTALL REMOTE DIGITAL THERMOSTAT. MOUNT THERMOSTAT AT ADA HEIGHT. UNIT SHALL TURN ON AT 6 A.M AND OFF AT 8 P.M. FOR PV SOLAR BATTERY SAVINGS.
- ALL CONTROL WIRING SHALL BE IN CONDUIT. PROVIDE MANUFACTURERS MATCHING LINE-HIDE SET COVER SYSTEM WHERE REFRIGERANT PIPING CAN NOT BE CONCEALED WITH IN WALL.

AME PROJECT # 14048

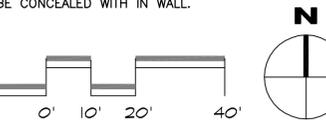
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### 4 MECHANICAL PLAN-BOOTH

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



PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME

ENGINEER INFORMATION  
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COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL

DESIGN SEAL

ORIGINAL PLAN DATE  
**11/25/14**

LATEST REVISION DATE

PROJECT No. **312043** SHEET ID. **M** SHEET No. **1 OF 1**

SUBMITTAL: 90% CITY REVIEW

COB PLAN TRACKING #  
COB PERMIT # **ENG-13-00317**



**PLUMBING FIXTURE SPECIFICATIONS**

ALL PLUMBING FIXTURES SHALL BE OF A LOW-FLOW DESIGN WHICH LIMITS THE WATER FLOW NOT TO EXCEED THE FOLLOWING:

**WC1 - WATER CLOSET: (SECURITY FIXTURE)**  
 ACORN MODEL #2105-W-1-BCN-FVC-FVT-HS, WALL HUNG BACK OUTLET, WITH WALL SLEEVE OPTION WALL THICKNESS 7-5/8" CMU, 16 GAUGE TYPE 304 STAINLESS STEEL SEAMLESS WELDED. SIPHON BLOWOUT JET ELONGATED BOWL, CONCEALED WALL ANCHOR. TOP 1-1/2 INLET, SLOAN PRISON MODEL 9603 CONCEALED HYDRAULICALLY ACTIVATED WITH PUSH BUTTON AND TO DELIVER A MAX. OF 1.6 GALLONS PER FLUSH. PROVIDED WITH HIGH BACK PRESSURE VACUUM BREAKER, WITH SLOAN MBFW METAL BUTTON FIXTURE WALL ACTUATOR. PROVIDE WITH INTEGRAL OPEN FRONT SEAT. PROVIDE PPP MODEL FVP-1VB WITH VACUUM BREAKER FLUSH ARE INDICATED AT FLUSH VALVES. PROVIDE VERTICAL WATER CLOSET CHAIR CARRIER.

**WC2 - WATER CLOSET: (SECURITY FIXTURE WALL HUNG ADA 17" RIM HEIGHT)**  
 ACORN MODEL #2105-W-1-BCN-FVC-FVT-HS, WALL HUNG BACK OUTLET, WITH WALL SLEEVE OPTION WALL THICKNESS 7-5/8" CMU, 16 GAUGE TYPE 304 STAINLESS STEEL SEAMLESS WELDED. SIPHON BLOWOUT JET ELONGATED BOWL, CONCEALED WALL ANCHOR. TOP 1-1/2 INLET, SLOAN PRISON MODEL 9603 CONCEALED HYDRAULICALLY ACTIVATED WITH PUSH BUTTON AND TO DELIVER A MAX. OF 1.6 GALLONS PER FLUSH. PROVIDED WITH HIGH BACK PRESSURE VACUUM BREAKER, WITH SLOAN MBFW METAL BUTTON FIXTURE WALL ACTUATOR. PROVIDE WITH INTEGRAL OPEN FRONT SEAT. PROVIDE PPP MODEL FVP-1VB WITH VACUUM BREAKER FLUSH ARE INDICATED AT FLUSH VALVES. PROVIDE VERTICAL WATER CLOSET CHAIR CARRIER.

**U1 - URINAL: (ADA SECURITY FIXTURE)**  
 ACORN MODEL #2167-W-1--FV-FVC-FVT, 1.0 GPF, MOUNT RIM AT 17" A.F.F., WALL HUNG BACK OUTLET WASH DOWN, 16 GAGE, TYPE 304 STAINLESS STEEL, WITH COVERED CORNERS, WITH WALL SLEEVE OPTION WALL THICKNESS 7-5/8" CMU, P-TRAP FULLY ENCLOSED, 3-1 1 BACK INLET, SLOAN PRISON MODEL 9609-1.5, SCREWS TO BE TAMPER PROOF. CONCEALED HYDRAULICALLY ACTIVATED WITH PUSH BUTTON AND TO DELIVER 1.5 GALLONS PER FLUSH. PROVIDED WITH HIGH BACK PRESSURE VACUUM BREAKER, WITH SLOAN MBFW METAL BUTTON FIXTURE WALL ACTUATOR. PROVIDE VERTICAL WALL CARRIER.

**L1 - LAVATORY (ADA SECURITY FIXTURE):**  
 ACORN MODEL #1953-1-DMS-MVC2-H1, STAINLESS STEEL, UNIT WITH 34" STANDARD HEIGHT RIM TO CONFORM WITH ANSI, UFAS AND ADA ACCESSIBILITY STANDARDS. WALL HUNG, BACKSPASH, APRON AND TRAP ENCLOSURE TO BE CONSTRUCTED OF HEAVY 16 GAGE, TYPE 304 STAINLESS STEEL WITH SATIN FINISH. BASIN TO INCLUDE CONTRASTING MIRROR FINISH ON RIM. OPERATION: PROVIDE PUSHBUTTON ACTUATED METERING VALVE TIM-TROL HOT AND COLD, DECK MOUNTED, SINGLE HOLE, WITH BACKSPASH MOUNTED STAINLESS STEEL TUBULAR SPOUT. WASHBASIN TO BE FURNISHED COMPLETE WITH THE FOLLOWING: ASSE 1016-1996/1070 COMPLIANT TEMPERATURE / PRESSURE BALANCING MIXING VALVE WITH STRAINERS AND INTEGRAL CHECKS, AND 1-1/2" P-TRAP WASTE OUTLET.

**TMV1 - THERMOSTATIC MIXING VALVE:**  
 WATTS MODEL #MMV-M1, THERMOSTATIC MIXING VALVE., CAPABLE OF DELIVERING .5 GPM MINIMUM TO 12 GPM MAXIMUM, 120 DEGREES FAHRENHEIT OUTLET, 40 DEGREES F. TO140 DEGREE F., THE VALVE SHALL BE ASSE STANDARD 1016 LISTED AND CONTROL THE TEMPERATURE OF THE HOT WATER TO THE FIXTURES THE VALVE SHALL HAVE 1/2" FEMALE NPT INLET AND OUTLET CONNECTIONS, BRASS BODY SHALL HAVE INTEGRAL MOUNTING HOLES, SHALL BE SUPPLIED WITH SUITABLE ENCLOSURE.

**MS1 - MOP SINK:**  
 FIAT MODEL TSBC 1610-2424, 24" x 24" x 12", 6" DROP FRONT CORNER MODEL, FLOOR MOUNTED, MOLDED STONE MOP SINK WITH INTEGRAL STAINLESS STEEL STRAINER EXTENSION. SUPPLY FITTING: CHICAGO FAUCETS MODEL 897 CHROME PLATED SUPPLY FITTING WITH INTEGRAL STOPS, VACUUM BREAKER, 3/4" HOSE THREAD SPOUT AND WALL BRACE. MOUNT FITTING AT 24" ABOVE FINISHED FLOOR. HOSE: FIAT 832-AA, 30" HEAVY DUTY FLEXIBLE 3/4" RUBBER HOSE AND WALL BRACKET. SEALANT: FIAT 833-AA SILICONE SEALANT INSTALLED IN ACCORDANCE WITH MANUFACTURER. MOP HANGER: FIAT 889-CC 18 GAUGE TYPE 302 STAINLESS STEEL MOP HANGER. SEE ARCHITECTURAL DRAWINGS FOR LOCATION. TRAP: 3" CAST IRON TRAP. PROVIDE STAINLESS STEEL SPLASH SHIELDS ON ALL WALL ADJOINING THE MOP SINK.

**RPBP - REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER:**  
 WATTS MODEL SERIES Q09-QT (1/2" THRU 3") REDUCED PRESSURE ZONE ASSEMBLIES PREVENT THE REVERSE FLOW OF POLLUTED WATER FROM ENTERING INTO THE POTABLE WATER SUPPLY DUE TO BACKSIPHONAGE AND OR BACKPRESSURE. TWO, IN-LINE INDEPENDENT CHECK VALVES, REPLACEABLE CHECK SEATS WITH AN INTERMEDIATE RELIEF VALVE, AND BALL VALVE TEST COCKS. CHECK WITH LOCAL WATER AUTHORITIES FOR INSTALLATION REQUIREMENTS. MAXIMUM WORKING PRESSURE: 175PSI (12.06 BAR). INLET AND OUTLET SHUT-OFF VALVES AND FOUR TESTCOCKS. CONSTRUCTED OF BRONZE BODY AND CAP, DISC. HOLDER/STEM OD ACETAL, AND STAINLESS STEEL SPRINGS. SHALL MEET USC MANUAL 8TH EDITION, ASSE STANDARD 1013, AWWA STANDARD C511-92, IAPMO FILE NO. 1563 AND BE RATED AT 175 PSI WATER PRESSURE.

**WH - WALL HYDRANT (FREEZELESS):**  
 ACORN MODEL #8104, 3/4" INLET, 3/4" OUTLET, NON-REMOVABLE VACUUM BREAKER, FLUSH MOUNTING WALL BOX, BRASS FINISH, REMOVABLE LOOSE TEE KEY HANDLE.

**WHA - WATER HAMMER ARRESTOR:**  
 WATTS DRAINAGE "SS" SERIES STAINLESS STEEL SHOCK ARRESTOR WITH INTERNAL NESTING TYPE PRE-CHARGED STAINLESS STEEL BELLOWS (3/4" - 1") DESIGNED TO OPERATE ON POTABLE WATER LINES UP TO 200 PSI WORKING PRESSURE. PDI WH201 APPROVED AND CERTIFIED.

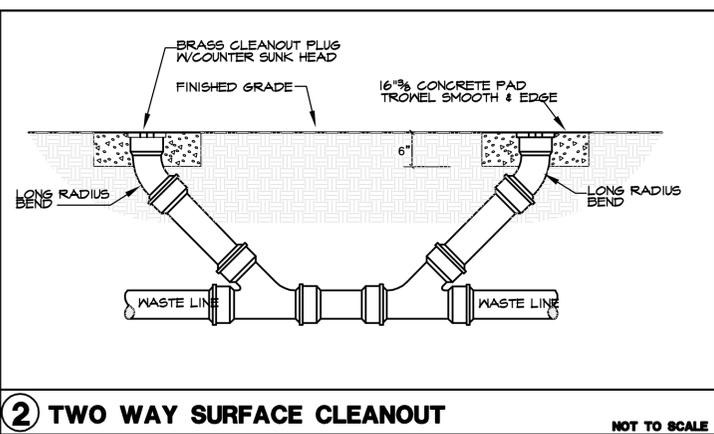
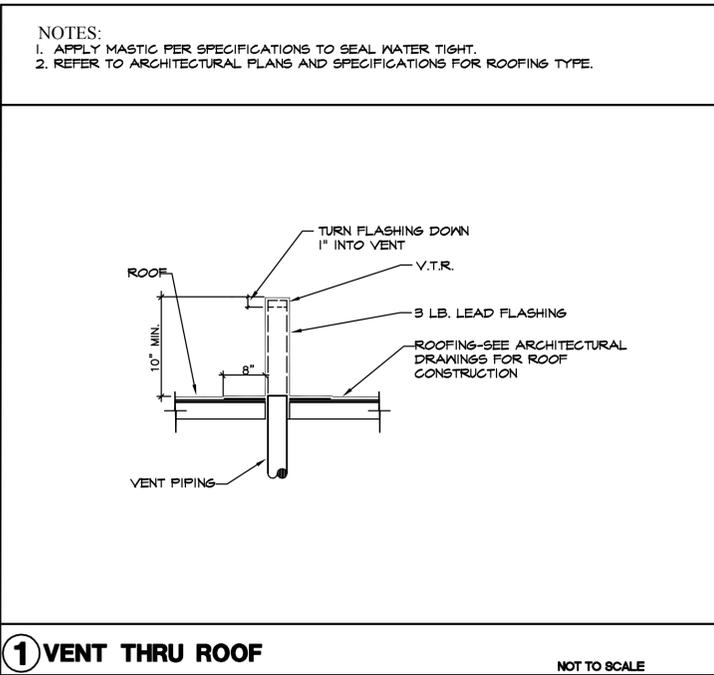
**ED - FLOOR DRAIN:**  
 J.R. SMITH #2005-A DUOCO CAST IRON DRAIN BODY WITH 5" DIAMETER ADJUSTABLE NICKEL BRONZE STRAINER, TRAP GAURD SEE SPECIFICATION BELOW, AND NO-HUB OUTLET CONNECTION.

**IG - TRAP PRIMER GAURD:**  
 PROVENT TRAPGUARD ELASTOMERIC DEVICE UTILIZING A NORMALLY CLOSED SEAL TO PREVENT EVAPORATION OF THE TRAP SEAL AND TO PREVENT SEWER GASES FROM BACKING UP INTO HABITABLE AREAS. DEVICE SHALL BE DESIGNED TO OPEN WITH FLUID ALLOWING LIQUID DRAINAGE TO FLOW THROUGH INTO THE BUILDING DRAIN. PRODUCT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE REQUIREMENTS OF THE APPLICABLE CODES. DEVICE SHALL BE INSTALLED INSIDE SPECIFIED WATTS DRAINAGE FLOOR DRAIN TAIL PIECE. THIS DEVICE SHALL COMPLY WITH ASSE 1072, ICC-ES E-1091, 2006 IPC SEC. 105.2 SEC. 1002.4 TRAP SEALS, 2006 IRC SEC. R104.1.1 SEC. P3201 TRAP SEALS, 2006 UPC SEC. 301.2 SEC. SANITARY DRAINAGE, NSF14 PLASTIC PIPING SYSTEM COMPONENTS & RELATED MATERIALS AND CAN/CSA B602-06 ELASTOMERIC MECHANICAL COUPLINGS FOR DWV PIPE.

**ECO - FLOOR CLEANOUT:**  
 J.R. SMITH 4023 CAST IRON ADJUSTABLE TYPE WITH SERRATED CUT-OFF SECTIONS, THREADED BRONZE PLUG, SCORATED NICKEL BRONZE COVER PLATE, AND CENTER COVER PLATE SECURING SCREW WITH COUNTERSUNK HEAD.

**WCO - WALL CLEANOUT:**  
 J.R. SMITH 4532 CAST IRON BRANCH CLEANOUT TEE WITH BRONZE COUNTERSUNK PLUG, ROUND STAINLESS STEEL ACCESS COVER.

**PRV - WATER PRESSURE REDUCING VALVE:**  
 "WATTS" MODEL SERIES 223S, BRONZE CONSTRUCTION, WITH STAINLESS STEEL STRAINER, RENWEABLE STAINLESS STEEL SEAT, WITH ADJUSTABLE DIAPHRAGM.



AME PROJECT # 14048

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REVISIONS:	
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PROJECT NAME <b>SKYLINE REGIONAL PARK PHASE 1</b>		PLAN NAME	
ENGINEER INFORMATION KIMLEY-HORN AND ASSOCIATES 7740 N 16TH ST, STE 300, PHOENIX, AZ 85020 PHONE:(602)944-5500, FAX:(602)944-7423		SUBMITTAL: 90% CITY REVIEW	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL		
ORIGINAL PLAN DATE <b>11/25/14</b>	LATEST REVISION DATE	COB PLAN TRACKING #	
PROJECT No. <b>312043</b>	SHEET ID. <b>P</b>	SHEET No. <b>2 OF 2</b>	COB PERMIT # <b>ENG-13-00317</b>

# GENERAL STRUCTURAL NOTES

(APPLIES UNLESS NOTED OTHERWISE)

- ALL WORK SHALL CONFORM TO THE 2012 INTERNATIONAL BUILDING CODE.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH ARCHITECT. DO NOT SCALE DRAWINGS.

FOR CLARITY, ALL ROOF, FLOOR AND WALL OPENINGS MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VERIFY ALL SIZES, WEIGHTS AND LOCATIONS OF MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTS, ETC. WITH MECHANICAL AND ELECTRICAL ENGINEERS THROUGH ARCHITECT.

DETAILS MARKED "TYPICAL" MAY OR MAY NOT BE CUT ON PLANS, BUT SHALL APPLY UNLESS NOTED OTHERWISE.

- CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
- THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, BRACING, SHORING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SCAFFOLDING, BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS. THE STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, NOR WILL THE STRUCTURAL ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S DESIGN OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO.
- THE CONTRACT STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- FOUNDATION DESIGN BASED ON MINIMUM INTERNATIONAL BUILDING CODE SOIL BEARING VALUE AS PERMITTED BY TABLE 1804.2 AND THE BUILDING OFFICIAL IN THE ABSENCE OF A SOILS REPORT. DESIGN SOIL BEARING PRESSURE = 1500 PSF AT 1'-6" BELOW LOWEST ADJACENT FINISHED GRADE AND SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5'-0" FOR PERIMETER FOOTINGS. SPREAD FOOTINGS SHALL BE ON FIRM UNDISTURBED SOIL AND/OR ENGINEERED FILL. FOR TOP (BOTTOM) OF FOOTING ELEVATIONS, SEE FOUNDATION PLAN. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEOTECHNICAL ASPECTS OF THIS PROJECT.

- LAP SPLICES FOR REINFORCING IN CONCRETE SHALL BE 30 BAR DIAMETERS MINIMUM.
- LAP SPLICES FOR REINFORCING IN CMU SHALL BE 40 BAR DIAMETERS FOR GRADE 40 REINFORCING AND 48 BAR DIAMETERS FOR GRADE 60 REINFORCING U.N.O.

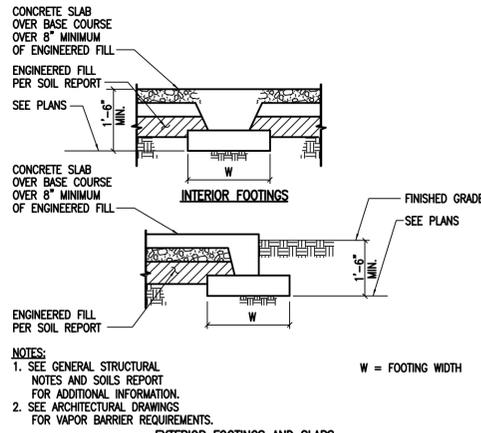
- PROVIDE BENT CORNER BARS TO MATCH AND LAP HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS IN CONCRETE FOOTINGS AND WALLS, AND MASONRY WALL BOND BEAMS.

- DESIGN LOADS:  
WIND: ULT WIND SPEED = 115 MPH, EXPOSURE "C", I = 1.0  
SEISMIC:  $S_{DS} = 0.187$ ,  $S_M = 0.096$ , I = 1.0

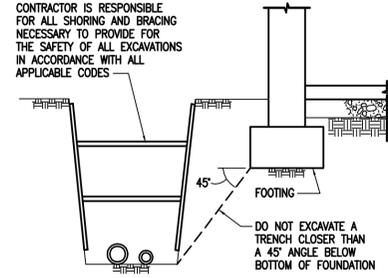
- MATERIALS OF CONSTRUCTION:

- CONCRETE - ASTM C94,  $F'_c = 3000$  PSI AT 28 DAYS (MAX W/C RATIO = 0.53 AT SLAB-ON-GRADE)
- REINFORCING - ASTM A615 GRADE 40 FOR #3 AND SMALLER, ASTM A615 GRADE 60 FOR #4 AND LARGER
- CMU - ASTM C90, GRADE N, TYPE I,  $F_m = 1500$  PSI
- GROUT - ASTM C476, 2000 PSI AT 28 DAYS
- MORTAR - ASTM C270, TYPE S, 1800 PSI AT 28 DAYS
- STRUCTURAL STEEL - ASTM A36 ( $F_y = 36$  KSI) FOR PLATE AND SHAPES, ASTM A500 GRADE B ( $F_y = 46$  KSI) FOR TUBES, ASTM A53, TYPES E OR S, GRADE B ( $F_y = 35$  KSI) FOR PIPES
- BOLTS - ASTM A307
- ANCHOR BOLTS - ASTM A36 OR ASTM A307, GRADE A
- EPOXY BOLTS IN CONCRETE - "HIT-RE 500 SD" BY HILTI PER ESR-2322, "PE1000+" BY POWERS PER ESR-2583, "SET-XP" BY SIMPSON PER ESR-2508
- EPOXY BOLTS IN CMU - "HIT-HY 150 MAX" BY HILTI PER ESR-1967, "POWER-FAST+" (STANDARD SET) BY POWERS PER ESR-1531, "SET" BY SIMPSON PER ESR-1772
- SCREW IN ANCHORS IN CONCRETE - "WEDGE-BOLT+" BY POWERS PER ESR-2526, "TITEN HD" BY SIMPSON PER ESR-2713
- SCREW IN ANCHORS IN CMU - "HUS-H" BY HILTI PER ESR-2369, "WEDGE BOLT+" BY POWERS PER ESR-1678, "TITEN HD" BY SIMPSON PER ESR-1056
- WELDING - E70 SERIES LOW HYDROGEN RODS, E90 SERIES FOR ASTM A615 GRADE 60 REINFORCING
- STEEL DECK - 1 1/2" X 24 GAGE STEEL DECK ( $I_x = 0.1121$  IN<sup>4</sup>,  $S_x = 0.1239$  IN<sup>3</sup>) WITH #10 TEK SCREWS AT 12" O.C. AND AT ALL ENDS, END LAPS AND INTERMEDIATE SUPPORTS. SIDE SEAM ATTACHMENTS SHALL BE #10 TEK SCREWS AT 12" O.C.

- SPECIAL INSPECTIONS:
  - SPECIAL INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED INSPECTOR APPROVED BY THE ARCHITECT AND THE BUILDING OFFICIAL.
  - SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A STATE REGISTERED STRUCTURAL ENGINEER WHO IS FAMILIAR WITH THE STRUCTURAL DESIGN OF THIS PROJECT. THE SPECIAL INSPECTION CERTIFICATE SHALL BE SEALED BY THE REGISTERED STRUCTURAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM OF 24 HOURS NOTICE TO THE SPECIAL INSPECTOR AND THE TESTING LABORATORY PRIOR TO BEGINNING ANY WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS REQUIRED.
  - IN ACCORDANCE WITH CHAPTER 17 OF THE IBC, SOME INSPECTIONS MAY BE MADE ON A PERIODIC BASIS AND SATISFY THE REQUIREMENTS OF CONTINUOUS INSPECTION.
  - SPECIAL INSPECTION IS REQUIRED DURING THE FOLLOWING OPERATIONS PER IBC CHAPTER 17. INSPECTION OF ADDITIONAL OPERATIONS NOT LISTED BELOW MAY ALSO BE REQUIRED PER CHAPTER 17. IN THE EVENT THAT ANY OF THE FOLLOWING OPERATIONS ARE NOT USED IN THE CONSTRUCTION OF THIS PROJECT, THEN SPECIAL INSPECTION OF THOSE OPERATIONS IS NOT REQUIRED.
    - SOILS PER IBC SECTION 1705.6 AND TABLE 1705.6.
    - CONCRETE PER IBC SECTION 1705.3 AND TABLE 1705.3.
    - REINFORCING STEEL PER IBC SECTION 1705.3 AND TABLE 1705.3.
    - STRUCTURAL MASONRY PER IBC SECTION 1705.4 AND TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6.
    - STRUCTURAL STEEL PER IBC SECTION 1705.2.1 AND AISC 360.
    - STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL PER IBC SECTION 1705.2.2 AND TABLE 1705.2.2.
    - ANCHOR BOLTS, EXPANSION BOLTS AND EPOXY BOLTS PER IBC TABLE(S) 1705.3
- DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
  - THE SPECIAL INSPECTOR SHALL INSPECT THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
  - THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE ENGINEER OR ARCHITECT OF RECORD AND THE BUILDING OFFICIAL.
  - UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.



T1 TYPICAL EARTHWORK DETAIL 201.16R

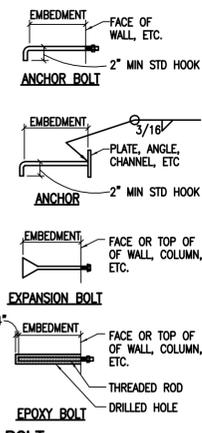


T2 TYPICAL TRENCH DETAIL 201.02

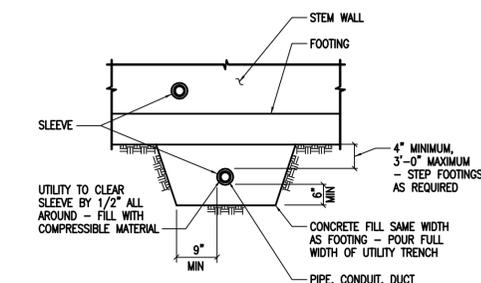
BOLT DIAMETER	VERT. EMBEDMENT LENGTH	HORIZ. EMBEDMENT LENGTH
1/2"	7"	5"
5/8"	7"	5"
3/4"	8"	6" - SEE NOTE 3
7/8"	8"	6"
1"	9"	7"

PROVIDE ANCHORS, EPOXY BOLTS, ANCHOR BOLTS AND EXPANSION BOLTS PER THIS SCHEDULE IN CONCRETE OR MASONRY UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. EXPANSION BOLTS SHALL NOT BE USED IN MASONRY.

- EXPANSION BOLTS AND EPOXY BOLTS SHALL BE USED ONLY WHERE SPECIFICALLY SHOWN ON THE DRAWINGS OR WHEN APPLICATION IS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- CONTRACTOR MAY REQUEST IN WRITING TO SUBSTITUTE EXPANSION OR EPOXY BOLTS OF EQUAL VALUE TO THE SPECIFIED MATERIAL WITH A CURRENT ICBQ REPORT FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD. A COPY OF THE ICBQ REPORT SHALL BE FORWARDED TO THE DEVELOPMENT SERVICES DEPARTMENT FOR PLAN REVIEW AFTER THE ENGINEER OF RECORD HAS REVIEWED AND APPROVED THE ITEM AND PRIOR TO ERECTION OF THE ITEM.
- 3/4" # BOLTS MAY HAVE 5" EMBEDMENT IN 8" CMU WALLS.
- PROVIDE A 3" # MINIMUM OPENING IN THE FACE SHELL AT ALL ANCHORS EMBEDDED IN SIDE OF CMU WALLS. (NOT APPLICABLE TO EPOXY BOLTS)

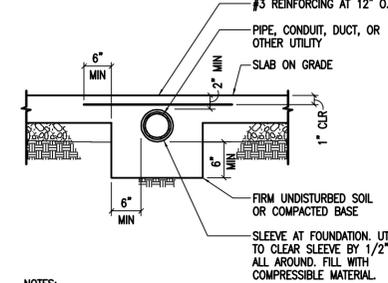


T3 TYPICAL ANCHOR, ANCHOR BOLT, EXPANSION BOLT AND EPOXY BOLT SCHEDULE 501.01



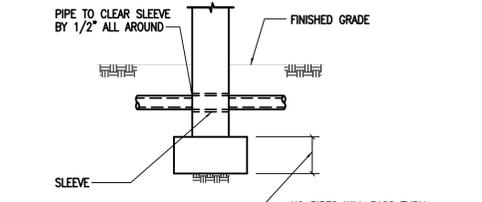
- NO UTILITIES SHALL PASS THROUGH FOOTING OR THROUGH OR UNDER COLUMN FOOTINGS.
- PROVIDE 4" MINIMUM SPACING BETWEEN MULTIPLE PIPES.

T4 UTILITIES THROUGH/UNDER FOUNDATION 201.03

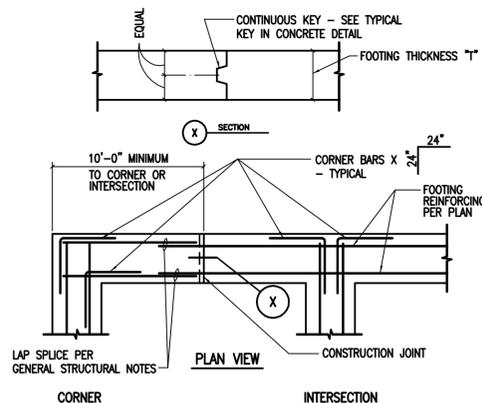


- PROVIDE 4" MINIMUM SPACING BETWEEN MULTIPLE PIPES OR CONDUIT.
- THIS DETAIL APPLIES ONLY IF SPECIFICALLY APPROVED BY ARCHITECT IN WRITING.

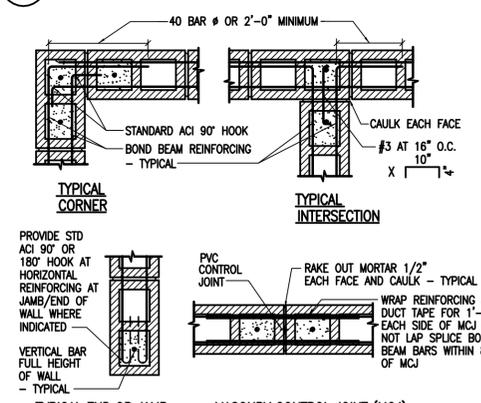
T5 SLEEVE FOR UTILITY BELOW SLAB 201.04



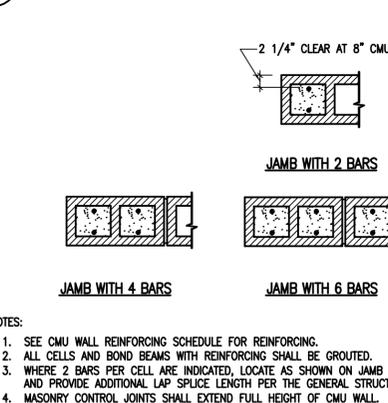
T6 PIPE THRU CONCRETE FOUNDATION STEM WALL 201.28



T7 TYPICAL CORNER REINFORCING AND CONSTRUCTION JOINTS IN CONCRETE FOOTINGS 201.20

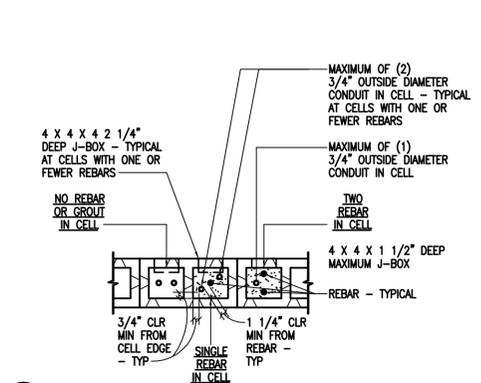


T8 PLAN VIEW - TYPICAL CMU WALL REINFORCING 201.01R

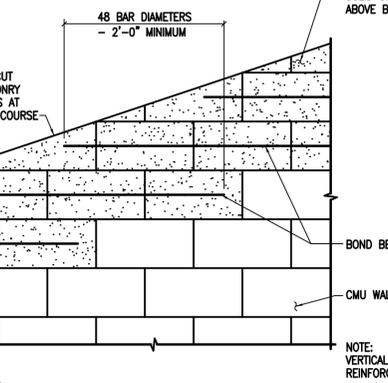


- LAY CMU IN RUNNING BOND U.N.O. ON DRAWINGS.
- ALL HEAD AND BED JOINTS SHALL BE FILLED SOLIDLY WITH MORTAR FOR THE FULL THICKNESS OF THE FACE SHELL EXCEPT WHERE JOINTS ARE RAKED.
- SPREAD OUT FULL MORTAR BED AT CROSS WEBS IN STARTING COURSE ON FOOTINGS AND IN ALL COURSES OF PIERS, COLUMNS, AND PILASTERS, AND IN WALLS WHERE WEBS ARE ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH GROUT. FOR STARTING COURSE ON FOOTINGS WHERE CELLS ARE NOT GROUTED, SPREAD OUT FULL MORTAR BED INCLUDING AREAS UNDER CELLS.
- FOR SOLID GROUTED WALLS, THE HEAD JOINTS SHALL BE COMPLETELY FILLED OR BUTTERED FOR FULL WIDTH OF THE WALL AND UNIT SHOVED INTO PLACE. DO NOT SLUSH JOINTS.

T9 MORTAR REQUIRED AT TYPICAL CMU CONSTRUCTION 401.05



T11 ALLOWABLE ELECTRICAL CONDUIT IN CMU WALLS 401.10



T12 SLOPED CMU WALL BOND BEAM 401.10

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PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

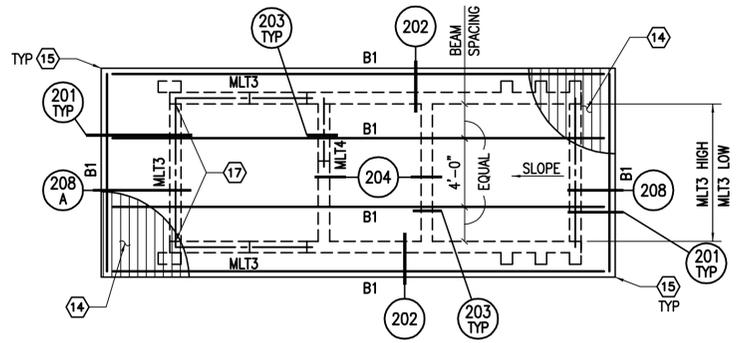
PLAN NAME  
**GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS T1 thru T20**

ENGINEER INFORMATION  
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7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
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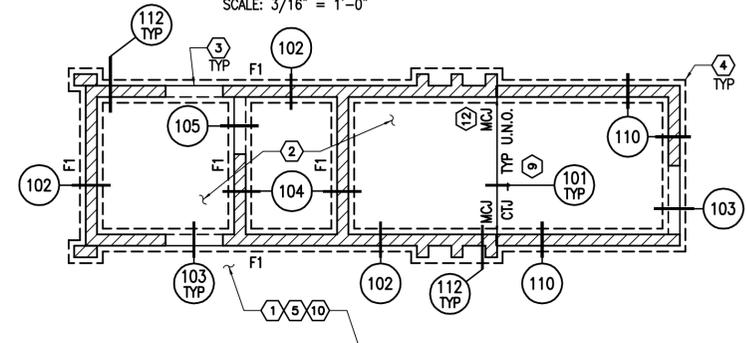
TOB PERMITTING APPROVED SEAL	TOB ENGINEERING APPROVED SEAL	SUBMITTAL: <b>FIRST REVIEW</b>
AS-BUILT SEAL	DESIGN SEAL	
ORIGINAL PLAN DATE <b>11/25/14</b>	LATEST REVISION DATE	COB PLAN TRACKING # <b>ENG-13-00317</b>
PROJECT No. <b>312043</b>	SHEET ID. <b>S</b>	



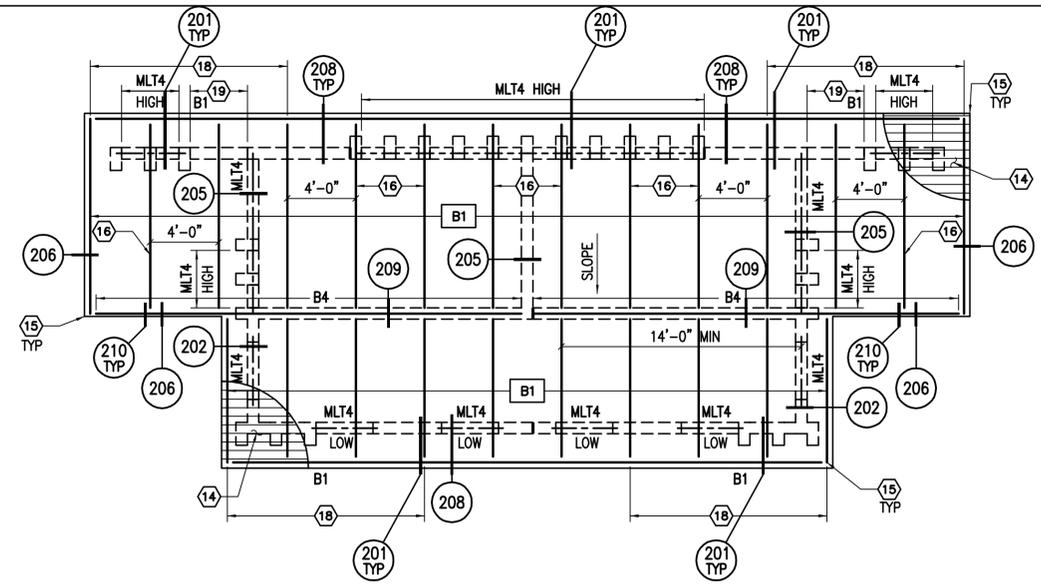
Feb 03, 2015 - 4:10pm  
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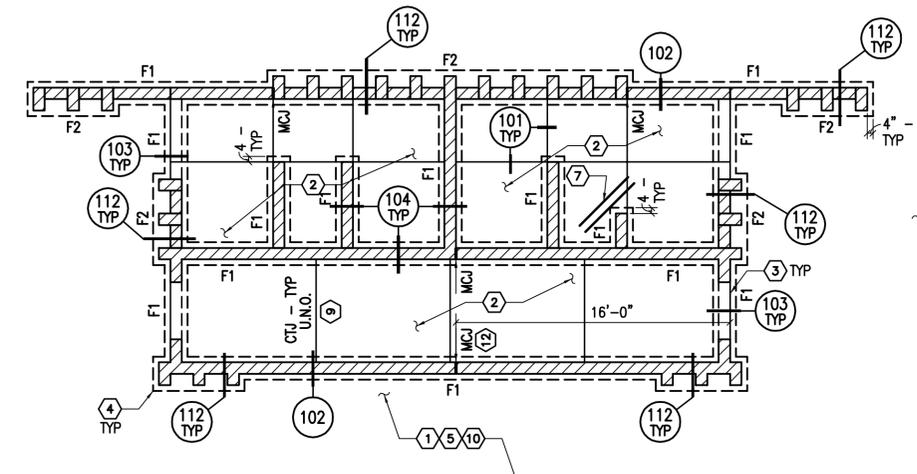
**ROOF FRAMING PLAN - GATE HOUSE**  
 SCALE: 3/16" = 1'-0"



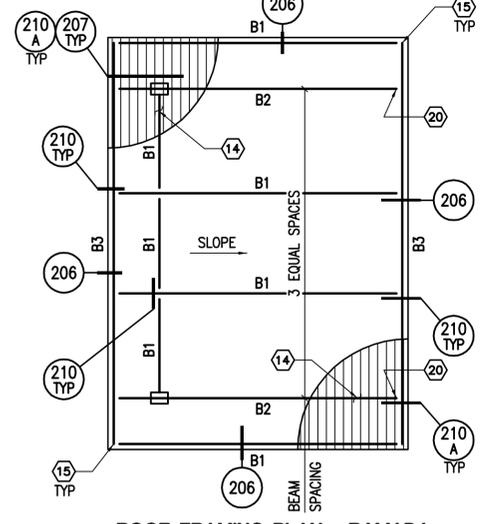
**FOUNDATION PLAN - GATE HOUSE**  
 SCALE: 3/16" = 1'-0"



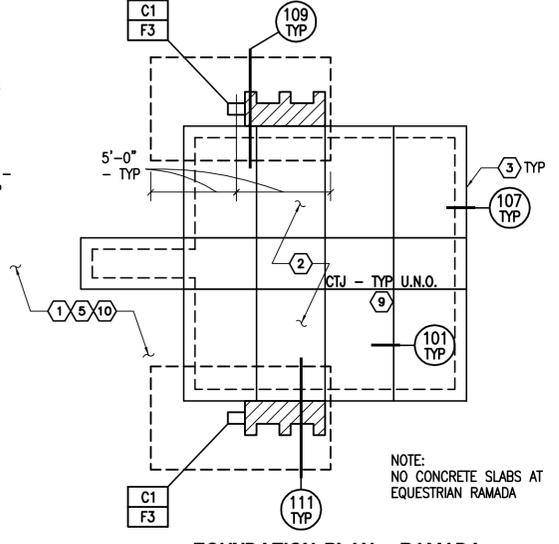
**ROOF FRAMING PLAN - RESTROOM**  
 SCALE: 3/16" = 1'-0"



**FOUNDATION PLAN - RESTROOM**  
 SCALE: 3/16" = 1'-0"



**ROOF FRAMING PLAN - RAMADA**  
 SCALE: 3/16" = 1'-0"



**FOUNDATION PLAN - RAMADA**  
 SCALE: 3/16" = 1'-0"

NOTE:  
 NO CONCRETE SLABS AT  
 EQUESTRIAN RAMADA

COLUMN (C) SCHEDULE			
MARK	SIZE	BASE CONNECTION	REMARKS
C1	HSS 12 X 8 X 1/2	1 X 16 X 1'-8" STEEL BASEPLATE WITH 8 - 1" # F1554, GRADE 36 THREADED RODS	AESS FINISH

NOTES:  
 1. THREADED RODS SHALL BE EMBEDDED 12" MINIMUM INTO FOOTING.  
 2. TYPICAL THREADED ROD DETAIL:

3. BASE PLATE PLAN VIEW:

TYPICAL 8" CMU WALL REINFORCING SCHEDULE		
LOCATION	REINFORCING	8" CMU WALLS
TYPICAL THROUGHOUT		#4 AT 32" O.C. U.N.O.
CORNERS		3 #4
INTERSECTIONS		2 #4
EACH SIDE OF MCJ AND END OF WALL		1 #4
AT CMU OPENINGS UP TO 6'-0"		2 #4
AT CMU OPENINGS 6'-1" TO 10'-0"		4 #4
JOINT REINFORCING		16" O.C.
TOP OF PARAPET		1 #4 U.N.O.
BOND BEAM AT FLOOR AND ROOF LINES		2 #4
SILLS (EXTEND 2'-0" PAST OPENING)		1 #4
LINTELS		SEE SCHEDULES

NOTE:  
 1. SCHEDULE APPLIES UNLESS NOTED OTHERWISE. SEE CMU WALL REINFORCING SCHEDULE FOR SPECIAL REINFORCING.

FOOTING (F) SCHEDULE			
MARK	DIMENSIONS	FOOTING REINFORCING	REMARKS
F1	1'-4" X CONT	10"	2 #4 CONTINUOUS
F2	2'-0" X CONT	10"	3 #4 CONTINUOUS
F3	6'-0" X CONT	16"	7 #6 CONTINUOUS CENTERED, #8 AT 12" O.C. TRANSVERSE CENTERED

BEAM (B) SCHEDULE			
MARK	BEAM SIZE	END CONNECTION	REMARKS
B1	HSS 8 X 2 X 3/16	SEE DETAILS	AESS FINISH
B2	HSS 12 X 8 X 1/2	SEE DETAILS	AESS FINISH - SEE NOTE 1
B3	HSS 8 X 2 X 3/8	SEE DETAILS	AESS FINISH
B4	HSS 8 X 4 X 1/4	SEE DETAILS	AESS FINISH

NOTE:  
 1. CAMBER/SET CANTILEVERED END OF BEAM UP 1/2" FROM FINAL ELEVATION.

MASONRY LINTEL (MLT) SCHEDULE			
MARK	TYPE	LINTEL SIZE	REMARKS
MLT1	A	2 - L 3 1/2 X 3 1/2 X 1/4	SEE DETAIL 214
MLT2	A	2 - L 5 X 3 1/2 X 5/16 (LLV)	SEE DETAIL 214
MLT3	A	2 - L 6 X 3 1/2 X 3/8 (LLV)	SEE DETAIL 214
MLT4	B	H = 16", 2 #4 BOTTOM	SEE DETAIL 213 - SEE NOTE 1

NOTE:  
 1. AT CONTRACTORS OPTION, USE MLT1.

PLUMBING PIPE AND CONDUIT MAY BE PLACED VERTICALLY (NOT HORIZONTALLY) IN UNREINFORCED CELLS. SEE TYPICAL DETAIL T11 FOR ADDITIONAL INFORMATION.

CONTRACTOR SHALL COORDINATE ALL MASONRY AND CONCRETE CONSTRUCTION JOINTS PRIOR TO CONSTRUCTION.

BOTTOM OF FOOTING ELEVATION SHALL BE 1'-6" MINIMUM BELOW LOWEST ADJACENT FINISHED GRADE OR FINISHED FLOOR ELEVATION, WHICHEVER IS LOWER - TYPICAL U.N.O. ADDITIONALLY, TOP OF FOOTING ELEVATION AT CMU WALLS SHALL BE 1'-4" MINIMUM BELOW FINISHED FLOOR ELEVATION U.N.O.

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- PLAN KEYNOTES**
- SEE TYPICAL DETAIL T1 AND GENERAL STRUCTURAL NOTES FOR EARTHWORK REQUIREMENTS.
  - 4" CONCRETE SLAB (F<sub>c</sub> = 3,000 PSI) OVER 4" A.B.C. - TYPICAL U.N.O. SEE ARCHITECTURAL DRAWINGS FOR FLOOR FINISH.
  - PROVIDE 1/2" PERFORMED JOINT FILLER AT ALL LOCATIONS WHERE EXTERIOR SLABS ABUT THE BUILDING U.N.O. ON ARCHITECTURAL DRAWINGS.
  - ALL HORIZONTAL REINFORCING IN FOOTINGS, STEMWALLS AND WALLS SHALL BE CONTINUOUS AROUND ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS.
  - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND LIMITS OF SITE WORK, SIDEWALKS, CURBS, SITE WALLS, ETC.
  - STEP FOOTINGS AS REQUIRED TO MAINTAIN BOTTOM/TOP OF FOOTING ELEVATION SHOWN - TYPICAL.

- 2 #4 X 4'-0" CENTERED IN SLAB AT 6" O.C. - TYPICAL AT RE-ENTRANT CORNERS AND DISCONTINUOUS SLAB JOINTS. DO NOT ALLOW BARS TO EXTEND THRU CTJ/CJ LOCATIONS.
- FLOOR DRAIN - FOR EXACT LOCATION, SLOPE, ETC., SEE ARCHITECTURAL AND MECHANICAL/PLUMBING DRAWINGS.
- CTJ INDICATES SLAB CONTROL JOINT. SEE DETAIL 101.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF EXTERIOR SLAB JOINTS - TYPICAL. PROVIDE JOINTS AT 10'-0" O.C. MAXIMUM EACH WAY IN UNREINFORCED SLABS PER DETAIL 101 U.N.O.
- SLOPE SLAB TO DRAIN - SEE ARCHITECTURAL AND MECHANICAL/PLUMBING DRAWINGS.
- MCJ INDICATES MASONRY CONTROL JOINT PER TYPICAL DETAIL T8. VERIFY ALL MCJ LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- WARP LINE - TYPICAL.
- 1 1/2" X 22 GAGE GALVANIZED STEEL DECK - TYPICAL AT ROOFS U.N.O. FOR ATTACHMENT, SEE GENERAL STRUCTURAL NOTES AND DETAIL 211.
- MITRE CUT AND BUTT WELD BEAMS ALL AROUND - TYPICAL AT CORNERS.
- LOCATE STEEL BEAM ON CMU POPOUT CENTERLINE.
- WELD LINTEL ANGLES TO LINTEL ANGLES WITH 3/16" WELD ALL AROUND - TYPICAL.
- FASCIA BEAM SHALL BE CONTINUOUS IN AREA INDICATED.

- SEE ARCHITECTURAL DRAWINGS FOR TOP OF WALL ELEVATION IN AREA INDICATED. PROVIDE 1 #4 CONTINUOUS IN 8" DEEP GROUTED BOND BEAM - EXTEND BOND BEAM/REINFORCING 2'-0" MINIMUM BEYOND JAMBS.
- SEE BEAM SCHEDULE FOR CAMBER REQUIREMENT AT CANTILEVERED END OF BEAM.

REVISIONS:

1	
2	
3	

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**FOUNDATION, FRAMING PLANS AND SCHEDULES**

ENGINEER INFORMATION  
 KIMLEY-HORN AND ASSOCIATES  
 7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
 PHONE:(602)944-5500, FAX:(602)944-7423

TOB PERMITTING APPROVED SEAL

TOB ENGINEERING APPROVED SEAL

AS-BUILT SEAL

DESIGN SEAL

ORIGINAL PLAN DATE  
**11/25/14**

LATEST REVISION DATE

PROJECT No.  
**312043**

SHEET ID.  
**S**

SHEET No.  
**2.1 OF 4**

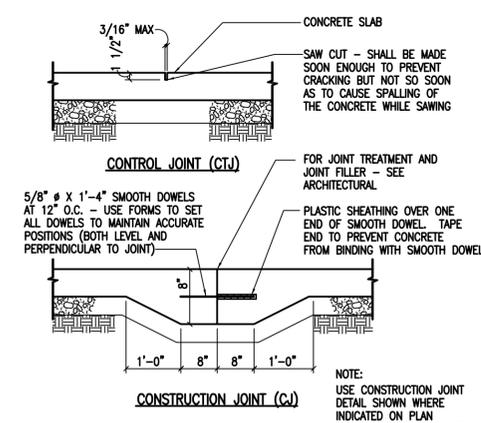
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3360 DAVID G. SCHOTT

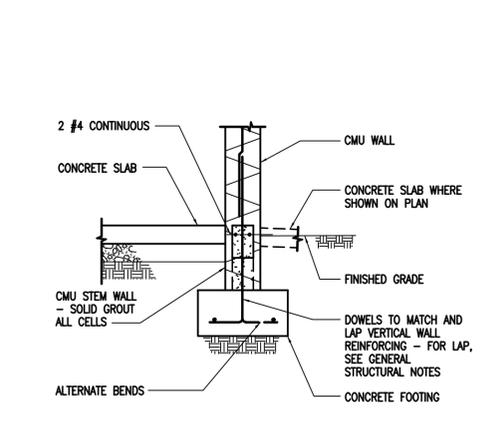
Expire 3/31/2011

COB PERMIT #  
**ENG-13-00317**

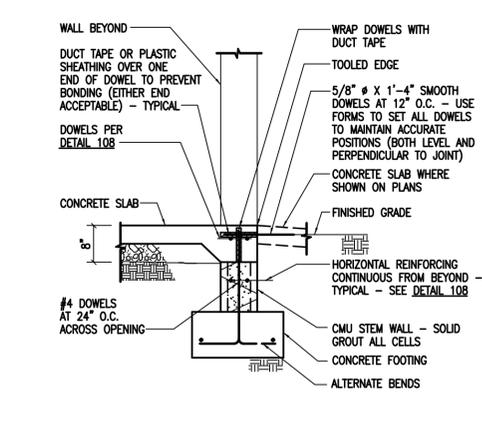
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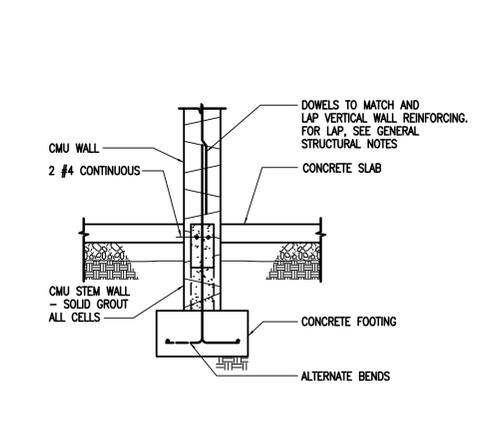
101 TYPICAL CONCRETE SLAB JOINTS 202.01AR



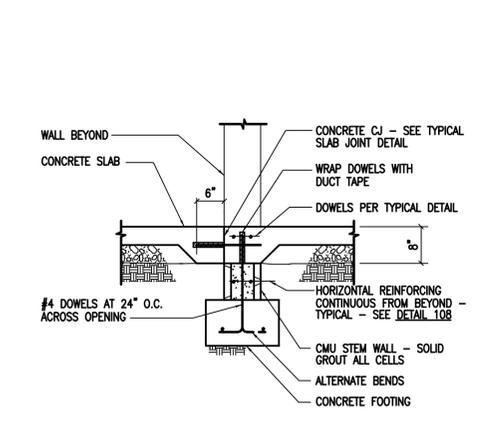
102 EXTERIOR CMU WALL FOOTING 210.05R



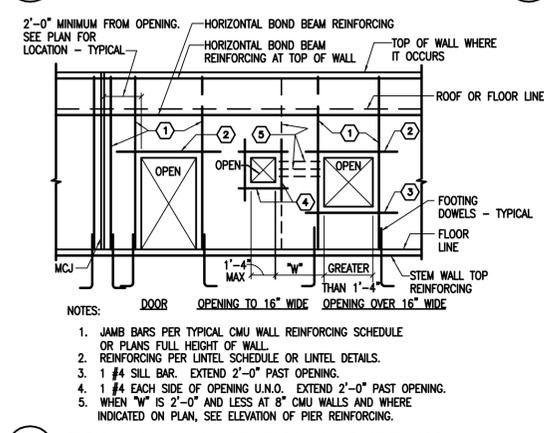
103 EXTERIOR FOOTING AT WALL OPENING 210.05R



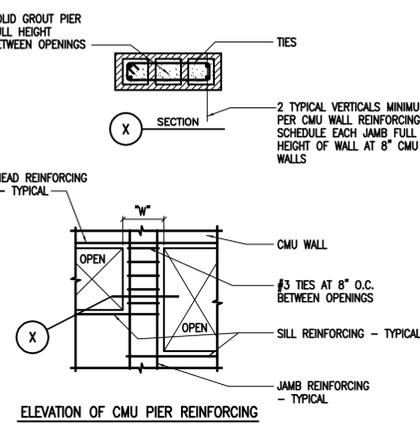
104 INTERIOR CMU WALL FOOTING 215.03R



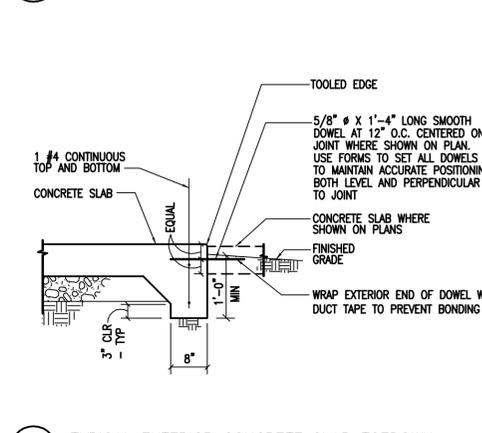
105 INTERIOR FOOTING AT WALL OPENING 218.04R



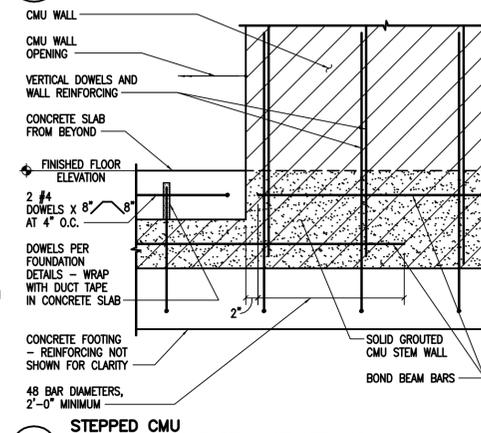
106 TYPICAL CMU WALL REINFORCING AT OPENINGS 401.03



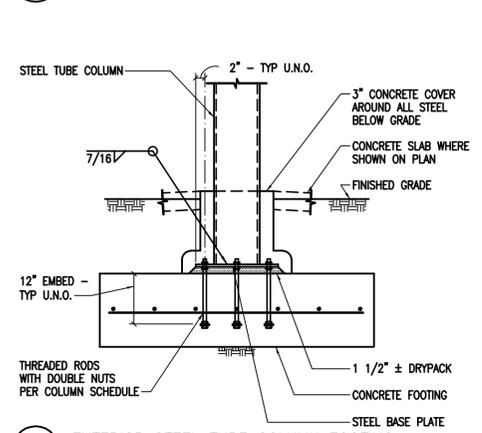
ELEVATION OF CMU PIER REINFORCING



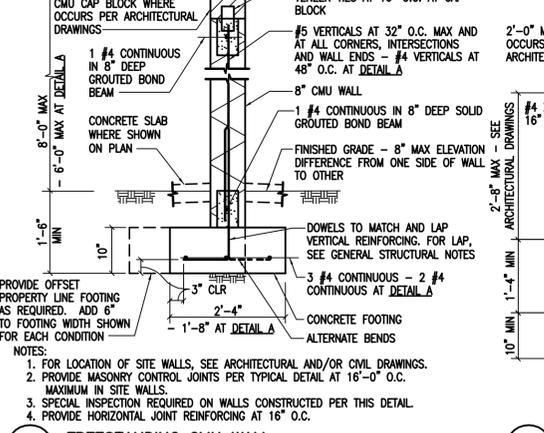
107 TYPICAL EXTERIOR CONCRETE SLAB TOEDOWN 203.01R



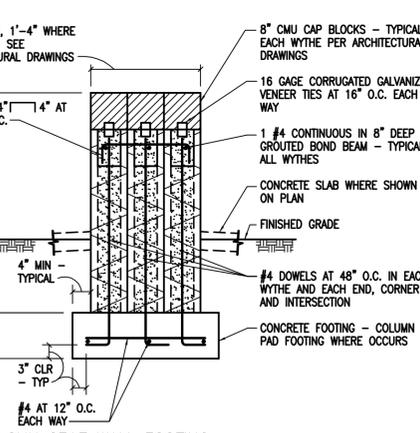
108 STEPPED CMU STEM WALL BOND BEAM AT OPENING 203.01R



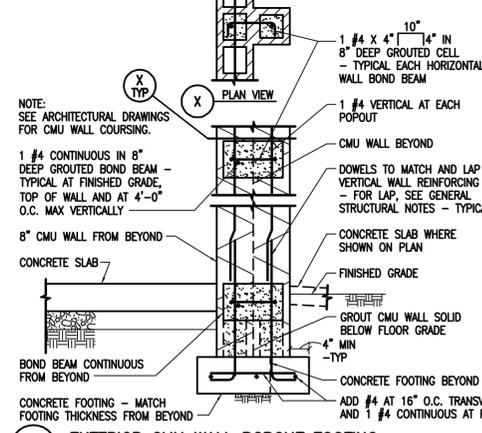
109 EXTERIOR STEEL TUBE COLUMN FOOTING 270.21R



110 FREESTANDING CMU WALL 402.02R



111 CMU SEAT WALL FOOTING 402.02R



112 EXTERIOR CMU WALL POPOUT FOOTING 211.05R

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PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**FOUNDATION DETAILS**  
 101 thru 120

ENGINEER INFORMATION  
 KIMLEY-HORN AND ASSOCIATES  
 7740 N 16TH ST, STE 300, PHOENIX, AZ 85020  
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AS-BUILT SEAL

DESIGN SEAL

ORIGINAL PLAN DATE  
 11/25/14

LATEST REVISION DATE

PROJECT No.  
 312043

SHEET ID.  
 S

SHEET No.  
 3.1 OF 4

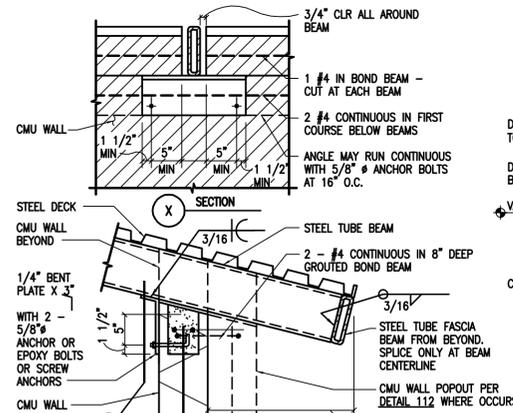
33507 DAVID G. SCHOTT  
 Professional Engineer  
 ARIZONA, U.S.A.  
 Expires 3/31/2017

COB PLAN TRACKING #

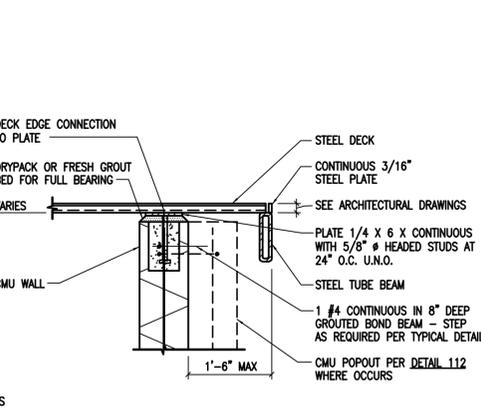
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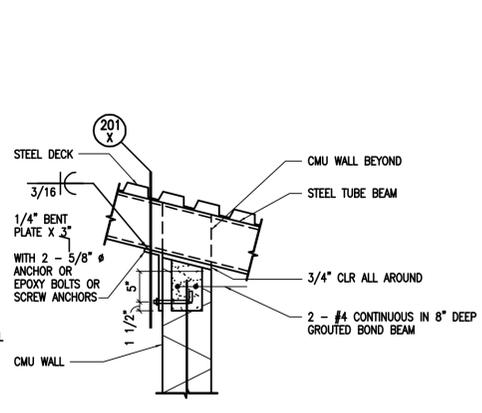
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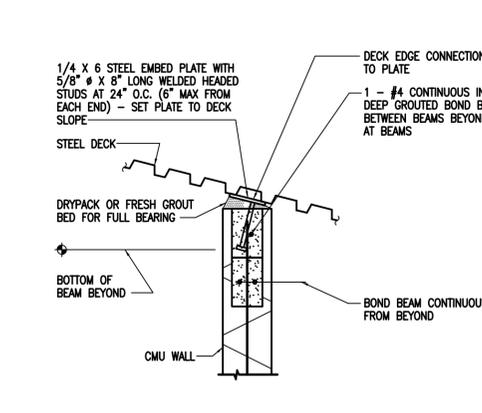
**201 STEEL TUBE BEAM AT CMU WALL**  
 AS NOTED



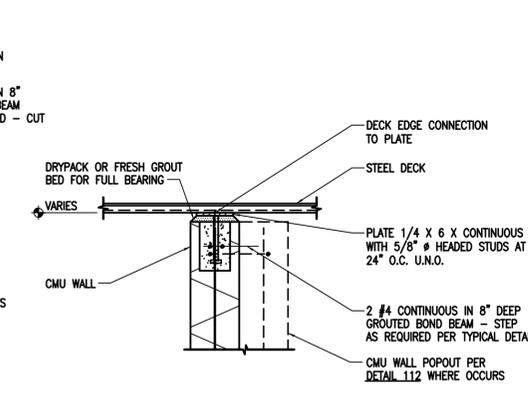
**202 STEEL DECK AT CMU WALL**  
 574.03R



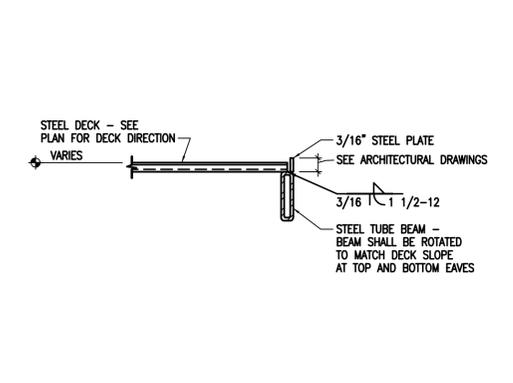
**203 STEEL TUBE BEAM AT INTERIOR CMU WALL**  
 574.03R



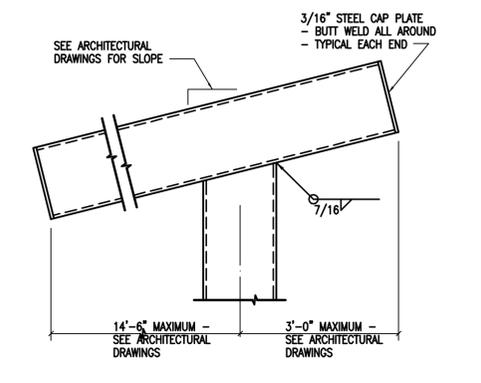
**204 STEEL DECK AT INTERIOR CMU WALL**  
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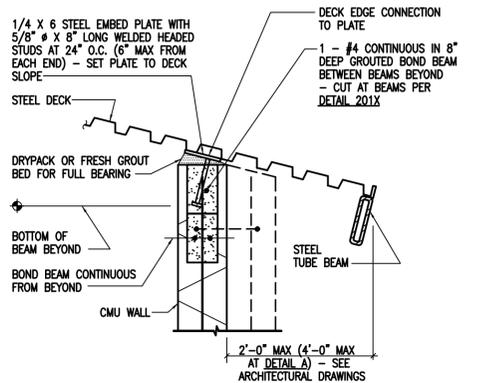
**205 STEEL DECK AT CMU WALL**  
 574.03R



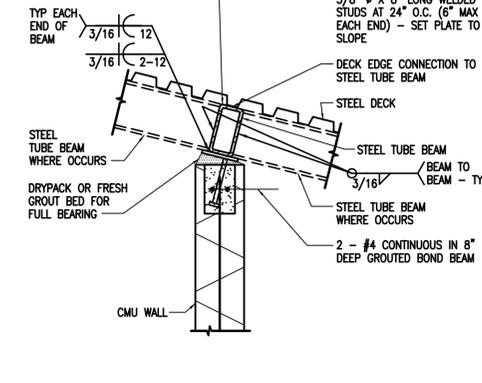
**206 STEEL DECK AT STEEL TUBE BEAM**



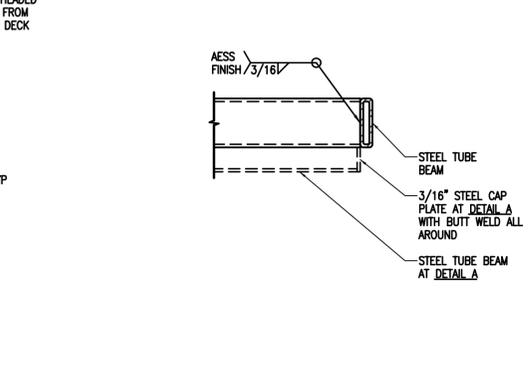
**207 STEEL TUBE BEAM TO COLUMN CONNECTION**



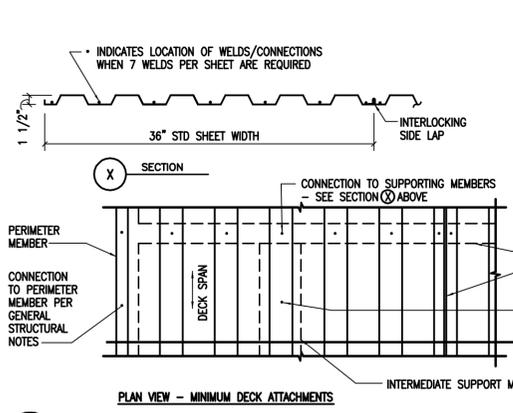
**208 STEEL DECK AT CMU WALL**  
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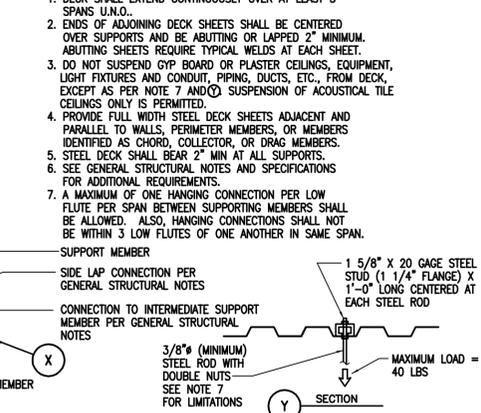
**209 STEEL DECK AT INTERIOR CMU WALL WITH STEEL TUBE BEAM**  
 AS NOTED



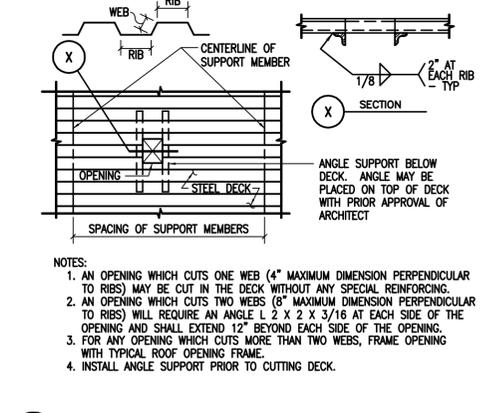
**210 STEEL TUBE BEAM TO BEAM CONNECTION**  
 AS NOTED



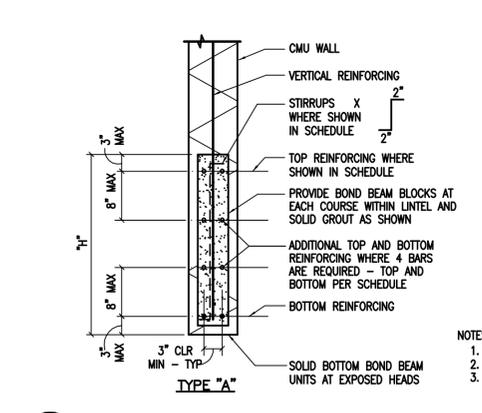
**211 TYPICAL STEEL ROOF DECK ATTACHMENT**  
 TYPICAL DETAIL



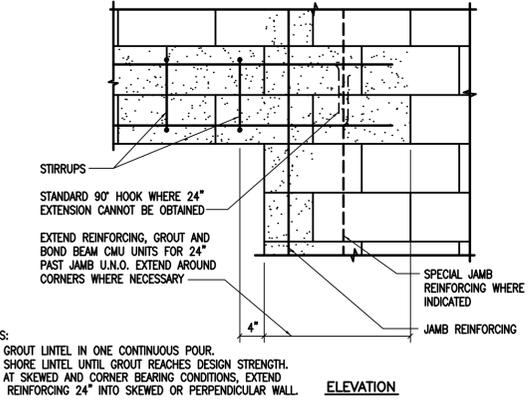
**212 TYPICAL SMALL OPENING IN STEEL ROOF DECK**  
 TYPICAL DETAIL



**213 TYPICAL REINFORCED CMU LINTEL**  
 TYPICAL DETAIL



**214 TYPICAL CMU WALL STEEL LINTELS**  
 TYPICAL DETAIL



**215 TYPICAL REINFORCED CMU LINTEL ELEVATION**

- NOTES:**
1. DECK SHALL EXTEND CONTINUOUSLY OVER AT LEAST 3 SPANS U.N.O.
  2. ENDS OF ADJOINING DECK SHEETS SHALL BE CENTERED OVER SUPPORTS AND BE ABUTTING OR LAPPED 2" MINIMUM. ABUTTING SHEETS REQUIRE TYPICAL WELDS AT EACH SHEET.
  3. DO NOT SUSPEND GYP BOARD OR PLASTER CEILINGS, EQUIPMENT, LIGHT FIXTURES AND CONDUIT, PIPING, DUCTS, ETC., FROM DECK, EXCEPT AS PER NOTE 7 AND SUSPENSION OF ACOUSTICAL TILE CEILINGS ONLY IS PERMITTED.
  4. PROVIDE FULL WIDTH STEEL DECK SHEETS ADJACENT AND PARALLEL TO WALLS, PERIMETER MEMBERS, OR MEMBERS IDENTIFIED AS CHORD, COLLECTOR, OR DRAG MEMBERS.
  5. STEEL DECK SHALL BEAR 2" MIN AT ALL SUPPORTS.
  6. SEE GENERAL STRUCTURAL NOTES AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  7. A MAXIMUM OF ONE HANGING CONNECTION PER LOW FLUTE PER SPAN BETWEEN SUPPORTING MEMBERS SHALL BE ALLOWED. ALSO, HANGING CONNECTIONS SHALL NOT BE WITHIN 3 LOW FLUTES OF ONE ANOTHER IN SAME SPAN.

- NOTES:**
1. AN OPENING WHICH CUTS ONE WEB (4" MAXIMUM DIMENSION PERPENDICULAR TO RIBS) MAY BE CUT IN THE DECK WITHOUT ANY SPECIAL REINFORCING.
  2. AN OPENING WHICH CUTS TWO WEBS (8" MAXIMUM DIMENSION PERPENDICULAR TO RIBS) WILL REQUIRE AN ANGLE L 2 X 2 X 3/16 AT EACH SIDE OF THE OPENING AND SHALL EXTEND 12" BEYOND EACH SIDE OF THE OPENING.
  3. FOR ANY OPENING WHICH CUTS MORE THAN TWO WEBS, FRAME OPENING WITH TYPICAL ROOF OPENING FRAME.
  4. INSTALL ANGLE SUPPORT PRIOR TO CUTTING DECK.

- NOTES:**
1. GROUT LINTEL IN ONE CONTINUOUS POUR.
  2. SHORE LINTEL UNTIL GROUT REACHES DESIGN STRENGTH.
  3. AT SKEWED AND CORNER BEARING CONDITIONS, EXTEND REINFORCING 24" INTO SKEWED OR PERPENDICULAR WALL.

PROJECT NAME  
**SKYLINE REGIONAL PARK PHASE 1**

PLAN NAME  
**FRAMING DETAILS**  
 201 thru 220

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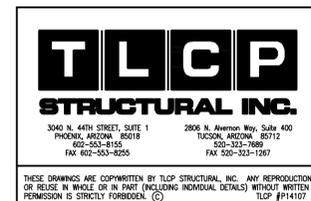
AS-BUILT SEAL  
 DESIGN SEAL

ORIGINAL PLAN DATE  
**1/25/14**

PROJECT No.  
**312043**

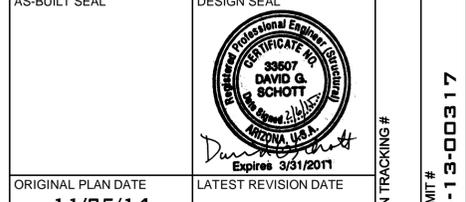
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SHEET No.  
**4.1 OF 4**



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SUBMITTAL: FIRST REVIEW  
 COB PERMIT # ENG-13-00317  
 COB PLAN TRACKING #